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(54) Title: OLIGONUCLEOTIDE MODULATORS ACTIVATING UTROPHIN EXPRESSION

(57) Abstract: Provided is an oligonucleotide modulator for preventing or treating dystrophin-deficient-related disorders (DDD) including Duchenne muscular dystrophy (DMD) and Becker muscular dystrophy (BMD). The oligonucleotide modulator comprises a sense nucleic acid strand and an antisense nucleic acid strand, wherein the sense nucleic acid strand and the antisense nucleic acid strand are independently an oligonucleotide strand of 16 to 35 nucleotides in length, in which one nucleotide strand has at least 75% base homology or complementarity to a target selected from a promoter region of a target gene UTRN.

OLIGONUCLEOTIDE MODULATORS ACTIVATING UTROPHIN EXPRESSION

TECHNICAL FIELD

[1] The present disclosure relates to the technical field of nucleic acids, specifically as it relates to an oligonucleotide modulator associated with gene activation and pharmaceutical use thereof.

BACKGROUND

[2] Duchenne muscular dystrophy (DMD) is a recessive, X-linked genetic disease occurring at a frequency of about 1 in 3,500 to 5000 new-born males. About 20,000 children are diagnosed with DMD globally each year. DMD leads to premature death of patients in the 2nd-4th decade of life. The disease is caused by mutation in the *DMD* gene that encodes the dystrophin protein which is important in muscle fibers, and its absence results in muscle weakness that gets worse over time because muscle cells break down and are gradually lost. Approximately 1/3 of the children obtained DMD as a result of spontaneous mutation in the dystrophin gene and have no family history of the disease.

[3] Dystrophin is part of the dystrophin-glycoprotein complex (DGC), which bridges the inner cytoskeleton (F-actin) and the extra-cellular matrix. In this manner it provides stability to muscle fibers during contraction. Becker muscular dystrophy (BMD) is a milder, less progressive form of the disease, and is also caused by changes in the same *DMD* gene.

[4] In general, DMD patients carry mutations which yield an incomplete dystrophin protein (nonsense or frame shift mutations) that is not functional, while in BMD, internally deleted proteins of reduced molecular weight (derived from in-frame deletions) are expressed, which are partially functional.

[5] The *DMD* gene is highly complex, containing at least seven independent, tissue-specific promoters and two polyadenylation sites. Furthermore, dystrophin transcripts are alternatively spliced, producing a range of different transcripts, encoding a large set of protein isoforms. Dystrophin is also expressed in brain, where it has yet unknown functions. However, lack of brain dystrophin probably underlies cognitive problems that many DMD patients experience.

[6] Utrophin gene (*UTRN)* encodes the utrophin protein which shares both structural and functional similarities with the dystrophin. Utrophin contains an actin-binding N-terminus, a triple coiled-coil repeat central region, and a C-terminus that consists of protein-protein

interaction motifs which interact with dystroglycan protein components. Utrophin is located at the neuromuscular synapse and myotendinous junctions, where it participates in post-synaptic membrane maintenance and acetylcholine receptor clustering.

[7] In early human developing muscles, utrophin is found at the sarcolemma and is progressively replaced by dystrophin toward birth. In adult tissues, utrophin is expressed in a wide range of tissues such as lung, kidney, liver, spleen and is limited not only to neuromuscular and myotendinous junctions in muscles but also the sarcolemma in regenerating myofibers and blood vessels. Two utrophin promoters, A and B, differentially regulated, have been reported to drive two distinct mRNA isoforms translated into full length utrophin proteins with unique N-termini and different expression patterns.

[8] Unlike the dystrophin tissue-specific promoters, utrophin A promoter driving the gene encoding the full-length protein is associated with a CpG island at the 5′-end of the gene. Expressed in many tissues, utrophin A is the isoform that is expressed in muscle at neuromuscular and myotendinous junctions, choroid plexus, pia mater, and renal glomerulus and found at the sarcolemma in regenerating myofibers. utrophin B, which differs from A by a slightly different N-terminal acting binding site, is confined to endothelial cells and blood vessels. Both dystrophin and utrophin have smaller transcripts driven by similar internal promoters (Dp71, Dp140, Up71, Up140).

[9] Utrophin is an autosomal and functional paralogue of dystrophin and is able to compensate for the primary defect of dystrophin in DMD and BMD. Mouse studies have suggested that utrophin gene may serve as a functional substitute for the dystrophin gene and, therefore, may serve as a potential therapeutic target for muscular dystrophy resulted from dystrophin deficiency. Therefore, a utrophin based strategy has the potential to offer a treatment to all DMD/BMD patients irrespective of their genetic defect.

[10] The induction of utrophin expression at both the transcriptional and post-transcriptional levels by utilizing oligonucleotides represents an attractive approach for developing novel therapies for DMD and BMD regardless of the location of mutation in DMD gene. However, such approach was limited by tools of gene upregulation [US20120122953A1 and WO2019183005A1].

SUMMARY

[11] In order to address the aforementioned problem, the present disclosure provides an oligonucleotide modulator such as a small activating RNA (saRNA) molecule, for treating diseases or conditions caused by the lack or insufficient level of dystrophin such as DMD and BMD by targeting *UTRN* gene promoter and subsequently activating *UTRN* gene

transcription and increasing the expression level of utrophin protein to compensate the deficiency of dystrophin via the RNA activation (RNAa) mechanism.

[12] In particular, the inventors discovered that such saRNAs capable of activating/up-regulating the expression of *UTRN* mRNA were not randomly distributed on the promoter but were clustered in certain specific hotspot regions. Only some regions on the promotor of *UTRN* gene are in favor of gene activation by saRNAs, for example, the regions -636 to -496, -351 to -294, -236 to -187 and -101 to -65 upstream of the transcription start site of *UTRN* gene. The inventors also discovered that optimal target sequences/sense strand of an saRNA within the *UTRN* promoter region include sequences having criteria of: (1) a GC content between 35% and 70%; (2) less than 5 consecutive identical nucleotides; (3) 3 or less dinucleotide repeats; and (4) 3 or less trinucleotide repeats. As a beneficial consequence of the criteria, a target sequence (*e.g.*, an isolated nucleic acid sequence comprising the target sequence), upon interacting with the saRNA, can activate/upregulate the expression of *UTRN* mRNA by at least 10% as compared to a baseline level of *UTRN* mRNA. Based at least in part on these discoveries, the present disclosure features saRNA, compositions, and pharmaceutical compositions for activating/up-regulating the expression of *UTRN* mRNA by at least 10% as compared to baseline levels of *UTRN* gene. Also provided herein are methods for preventing or treating a disease or condition induced by insufficient expression of dystrophin, a dystrophin gene mutation, and/or low functional dystrophin levels in an individual comprising administering any of the saRNA, compositions, and/or pharmaceutical compositions described herein.

[13] In one aspect of the present disclosure, an oligonucleotide modulator (such as saRNA molecule) capable of activating/up-regulating expression of the *UTRN* gene in a cell is provided, the oligonucleotide modulator (*e.g.*, the saRNA) comprising an oligonucleotide sequence of 16 to 35 consecutive nucleotides in length, wherein the continuous oligonucleotide sequence has at least 75%, or at least 80%, or at least 85%, or at least 90% sequence homology or complementary to an equal length region of SEQ ID NO:1200, and thereby activating or up-regulating the expression of the gene by at least 10% as compared to baseline expression of the *UTRN* gene. In some embodiments, the equal length region of SEQ ID NO:1200 is located in the region -636 to -496 (SEQ ID NO:1207), region -351 to -294 (SEQ ID NO:1208), region -236 to -187 (SEQ ID NO:1209), or region -101 to -65 (SEQ ID NO:1210) upstream of the transcription start site of *UTRN* gene.

[14] In certain embodiments, the saRNA disclosed in the present disclosure comprises a sense strand and an antisense strand, wherein the sense strand and the antisense strand each comprise complementary regions, wherein the complementary regions of the sense

strand and the antisense strand form a double-stranded nucleic acid structure. In certain embodiments, the sense strand and the antisense strand disclosed in the present disclosure have a complementarity of at least 90%. In certain embodiments, the sense strand and the antisense strand disclosed in the present disclosure are located on two different nucleic acid strands. While in certain embodiments, the sense strand and the antisense strand disclosed in the present disclosure are located on a contiguous nucleic acid strand, optionally a hairpin single-stranded nucleic acid molecule, wherein the complementary regions of the sense strand and the antisense strand form a double-stranded nucleic acid structure. In certain embodiments, the sense strand and the antisense strand disclosed in the present disclosure comprises a 3' overhang ranging from 0 to 6 nucleotides in length, alternatively, from 2 to 3 nucleotides in length. In certain embodiments, at least one of the nucleotides of the overhang is a thymine deoxyribonucleotide. In certain embodiments, the overhangs are natural overhangs which are nucleotides selected from or complementary to the corresponding position on the DNA target. In certain embodiments, the sense strand and the antisense strand disclosed in the present disclosure independently comprise a length of about 16 to about 35, about 17 to about 30, about 18 to about 25, or about 19 to about 22 consecutive nucleotides.

[15] In certain embodiments, the sense strand disclosed in the present disclosure has at least 75% sequence homology to a nucleotide sequence selected from SEQ ID NOs: 400-797, and the antisense strand disclosed in the present disclosure has at least 75% sequence homology to a nucleotide sequence selected from SEQ ID NOs: 800-1197. In certain embodiments, the sense strand disclosed in the present disclosure comprises a nucleotide sequence selected from SEQ ID NOs: 400-797, and the antisense strand disclosed in the present disclosure comprises a nucleotide sequence selected from SEQ ID NOs: 800-1197.

[16] In certain embodiments, the oligonucleotide sequence disclosed in the present disclosure has at least 75% sequence homology or complementarity to a nucleotide sequence selected from SEQ ID NOs: 1-398. In certain embodiments, the sense strand of the oligonucleotide sequence disclosed in the present disclosure has at least 75% sequence homology to a nucleotide sequence selected from SEQ ID NOs: 1-398. In certain embodiments, the antisense strand of the oligonucleotide sequence disclosed in the present disclosure has at least 75% sequence complementarity to a nucleotide sequence selected from SEQ ID NOs: 1-398.

[17] In certain embodiments, at least one nucleotide of the saRNA disclosed in the present disclosure is a chemically modified nucleotide. In certain embodiments, at least one nucleotide of the antisense and/or sense strand of the saRNA disclosed in the present

disclosure is chemically modified. In certain embodiments, the chemically modified nucleotide disclosed in the present disclosure is a nucleotide with at least one the following modifications:

a) modification of a phosphodiester bond connecting nucleotides in the nucleotide sequence of the saRNA;
b) modification of 2'-OH of a ribose in the nucleotide sequence of the saRNA; and
c) modification of a base in the nucleotide sequence of the saRNA.

[18] In certain embodiments, at least one nucleotide of the saRNA disclosed in the present disclosure is a locked nucleic acid, an abasic nucleotide, a 2′-amino-modified nucleotide, a 2′-alkyl-modified nucleotide, a morpholino nucleotide, a phosphoramidate, or a non-natural base comprising nucleotide.

[19] In certain embodiments, the chemical modification of the at least one chemically modified nucleotide disclosed in the present disclosure is an addition of a (*E*)-vinylphosphonate moiety at the 5' end of the sense strand or the antisense strand.

[20] In certain embodiments, the disclosure provides oligonucleotide modulator wherein the sense strand and/or the antisense strand of the saRNA disclosed in the present disclosure is conjugated to one or more conjugation moieties selected from a lipid, a fatty acid, a fluorophore, a ligand, a saccharide, a peptide, and an antibody.

[21] In certain embodiments, the sense strand or the antisense strand of the saRNA disclosed in the present disclosure is conjugated to one or more conjugation moieties selected from a cell-penetrating peptide, polyethylene glycol, an alkaloid, a tryptamine, a benzimidazole, a quinolone, an amino acid, a cholesterol, glucose, and N-acetylgalactosamine.

[22] In certain embodiments of the oligonucleotide modulator, the sense strand or the antisense strand of the saRNA disclosed in the present disclosure is conjugated to one or more conjugation moieties selected from a cell-penetrating peptide, polyethylene glycol, an alkaloid, a tryptamine, a benzimidazole, a quinolone, an amino acid, a cholesterol, glucose, and N-acetylgalactosamine.

[23] In another aspect of the present disclosure, an isolated polynucleotide of saRNA is provided, wherein the isolated polynucleotide is a continuous nucleotide sequence having a length of 16 to 35 nucleotides in SEQ ID NO:1200. Specifically, the isolated polynucleotide is a nucleic acid sequence selected from SEQ ID NOs:1-398. In another aspect of the present disclosure, methods of using the isolated polynucleotide of saRNA is provided.

[24] In another aspect of the present disclosure, an isolated oligonucleotide complex is

provided, wherein the isolated oligonucleotide complex comprises the antisense strand of the saRNA disclosed herein and the sense strand of the isolated polynucleotide disclosed herein. In some embodiments, the isolated oligonucleotide complex activates the expression of *UTRN* gene by at least 10% as compared to the baseline level of the gene.

[25] Another aspect of the present disclosure provides an isolated polynucleotide encoding the saRNA disclosed herein. In one embodiment, the saRNA disclosed herein is a small activating RNA (saRNA) molecule. In one embodiment, the polynucleotide is a DNA molecule. Another aspect of the present disclosure provides a vector comprising the isolated polynucleotide disclosed herein.

[26] In another aspect of the present disclosure, an isolated nucleic acid complex is provided, wherein the isolated nucleic acid complex comprises the antisense strand of the saRNA disclosed herein and the sense strand of the isolated polynucleotide disclosed herein. In some embodiments, the isolated nucleic acid complex activates the expression of *UTRN* gene by at least 10% as compared to baseline expression of the *UTRN* gene in a cell.

[27] The present disclosure is also related to an isolated polynucleotide encoding the saRNA disclosed herein in the present disclosure. A vector comprising the isolated polynucleotide disclosed herein is also disclosed.

[28] Another aspect of the present disclosure provides a cell comprising the saRNA disclosed herein, the isolated polynucleotide encoding the saRNA disclosed herein, or the vector disclosed herein. In one embodiment, the cell is a mammalian cell, optionally a human cell. In some embodiments, the cell is a host cell. The aforementioned cell may be *in vitro*, such as a cell line or a cell strain, or may exist in a mammalian body, such as a human body. In some embodiments, the isolated polynucleotide is a DNA. In some embodiments, the vector is an AAV.

[29] Another aspect of the present disclosure provides a composition, such as a pharmaceutical composition, comprising the aforementioned saRNA or isolated polynucleotide encoding the saRNA disclosed herein and optionally, a pharmaceutically acceptable carrier. In some embodiments, the pharmaceutically acceptable carrier includes an aqueous carrier, a liposome, a high-molecular polymer or a polypeptide. In some embodiments, the pharmaceutically acceptable carrier is selected from an aqueous carrier, a liposome, a high-molecular polymer and a polypeptide. In some embodiments, the aqueous carrier may be, for example, RNase-free water or RNase-free buffer. In some embodiments, the composition may comprise 0.001-200 nM (e.g., 0.001-200 nM, 0.001-100 nM, 0.001-50 nM, 0.001-20 nM, 10-100 nM, 10-50 nM, 20-50 nM, 20-100 nM or 50-

150 nM), or optionally 1~150 nM of the aforementioned saRNA or isolated polynucleotide encoding the saRNA disclosed herein.

[30] Another aspect of the present disclosure relates to use of the aforementioned saRNA, isolated polynucleotide encoding the saRNA disclosed herein or the composition comprising the aforementioned saRNA or isolated polynucleotide disclosed herein in preparing a preparation for activating/up-regulating the expression of *UTRN* gene in a cell.

[31] The present disclosure also relates to a method for activating/up-regulating the expression of *UTRN* gene in a cell, wherein the method comprises administering the aforementioned saRNA, the isolated polynucleotide disclosed herein or the composition comprising the aforementioned saRNA or isolated polynucleotide disclosed herein to the cell. In the meantime, a method for increasing a level of utrophin in a cell or a level of functional utrophin in muscle is also provided, comprising introducing the saRNA, the nucleic acid, or the composition disclosed herein into the cell in an effective amount.

[32] The aforementioned saRNA, the isolated polynucleotide disclosed herein or the composition comprising the aforementioned saRNA or isolated polynucleotide disclosed herein may be directly introduced into a cell or may be produced in the cell after a nucleotide sequence encoding the saRNA is introduced into the cell. The cell is for example a mammalian cell, such as a human cell. The aforementioned cell may be *in vitro*, such as a cell line or a cell strain, or may exist in a mammalian body, such as a human body. The human body can be a subject suffering from a disease or symptom caused by insufficient expression of dystrophin, a dystrophin gene mutation, and/or low functional dystrophin levels in an individual, and the saRNA, the isolated polynucleotide disclosed herein or the composition comprising the aforementioned saRNA or the isolated polynucleotide disclosed herein is administered in a sufficient amount to treat the disease or symptom. Specifically, the symptom caused by lack of dystrophin due to dystrophin gene mutation, and/or insufficient expression of functional dystrophin includes, for example, DMD and BMD. In one embodiment, the disease caused by insufficient expression of dystrophin, a dystrophin gene mutation, and/or low functional dystrophin levels is DMD. In another embodiment, the disease caused by insufficient expression of dystrophin, a dystrophin gene mutation, and/or low functional dystrophin levels is BMD.

[33] Another aspect of the present disclosure relates to a method for preventing or treating a disorder caused by insufficient expression of dystrophin, a dystrophin gene mutation, and/or insufficient levels of functional dystrophin in an individual, which comprises administering a therapeutically effective dose of the saRNA disclosed herein, the isolated polynucleotide encoding the saRNA disclosed herein, the vector disclosed herein, or the

composition comprising the saRNA disclosed to the individual. In certain embodiments, the disease or condition is DMD. In certain embodiments, the disease or condition is BMD. The individual may be a mammal, such as a human. In one embodiment, the individual suffers from a symptom caused by insufficient expression of dystrophin, a dystrophin gene mutation and/or low functional dystrophin levels in muscle may include, for example, BMD. In one embodiment, the disease caused by insufficient muscle levels of functional dystrophin due to dystrophin gene mutation is DMD or BMD. In one embodiment, the diseases described herein include DMD and BMD. In certain embodiments, the saRNA disclosed herein, the isolated polynucleotide disclosed herein, the vector disclosed herein, or the composition disclosed herein is administrated to an individual by an administration pathway selected from one or more of: parenteral infusions, oral administration, intranasal administration, inhaled administration, vaginal administration, and rectal administration. In certain embodiments, the administration pathway is selected from one or more of intrathecal, intramuscular, intravenous, intra-arterial, intraperitoneal, intravesical, intracerebroventricular, intravitreal and subcutaneous administrations. In certain embodiments, the method disclosed herein activates/up-regulates expression of *UTRN* gene or *UTRN* mRNA in the individual by at least 10% (*e.g.*, by at least 15%, by at least 20%, by at least 25%, by at least 30%, by at least 35%, by at least 40%, by at least 45%, or by at least 50%) as compared to the baseline level of the gene. In certain embodiments, the method disclosed herein increases level of utrophin in the individual by at least 10% as compared to the baseline level of the gene.

[34] Another aspect of the present disclosure relates to use of the saRNA disclosed herein, the isolated polynucleotide disclosed herein or the composition comprising the saRNA disclosed herein or the isolated polynucleotide disclosed herein in preparing a medicament for preventing or treating a disorder or condition caused insufficient expression of dystrophin, a dystrophin gene mutation, and/or low functional dystrophin levels in an individual. The individual may be a mammal, such as a human. In one embodiment, the disease or condition may include, for example, DMD or BMD. In one embodiment, the disease caused by insufficient expression of dystrophin, a dystrophin gene mutation, and/or low functional dystrophin levels is DMD. In one embodiment, the diseases described herein include DMD and BMD.

[35] In addition, the present disclosure further provides kit for performing the method of prevention or treatment disclosed herein, wherein the kit comprises a) saRNA, b) instructions for use, and c) optionally, means for administering said saRNA to the individual. Specifically, a kit can be packed in a labeled package and the label on said

package indicates that said molecule or composition can be used in preventing or treating a disorder or condition induced by insufficient expression of dystrophin, or against DMD or BMD.

[36] A kit is provided by the present disclosure for performing the method disclosed herein, wherein the kit comprises a) saRNA disclosed herein, and b) instructions for use. In certain embodiments, the instruction for use comprising means or methods for administering the saRNA disclosed herein to an individual.

[37] Aspects of the present disclosure include a kit comprising the saRNA disclosed herein, the isolated polynucleotide disclosed herein, the vector disclosed herein, or the composition disclosed herein in a labeled package and the label on package indicates that the saRNA, the isolated polynucleotide, the vector or the composition can be used in preventing or treating a disease or condition induced by insufficient expression of dystrophin, or against DMD or BMD.

[38] Further to provide by the present disclosure is a kit for detecting dystrophin, utrophin, or utrophin related protein (e.g., dystroglycan) in muscle or plasma, or in a cell disclosed herein having been transfected with the saRNA aforementioned, or the nucleic acid aforementioned, or the composition aforementioned.

[39] The saRNA activating/upregulating the expression of *UTRN* gene provided herein (such as an saRNA molecule) can efficiently and specifically upregulate the expression of *UTRN* gene and increase the expression level of *UTRN* mRNA with low toxic and adverse effects, and can be used in preparing a drug for preventing or treating disorders associated with insufficient expression of dystrophin and diseases or conditions caused by a dystrophin gene mutation.

BRIEF DESCRIPTION OF THE DRAWINGS

[40] FIG. 1 shows changes in expression level of human *UTRN* mRNA mediated by saRNAs. 398 human *UTRN* promotor-targeting saRNAs were individually transfected at a concentration of 25 nM for 3 days into human malignant embryonic rhabdomyoma cell line (RD). Sequences of saRNA strands and duplex composition are shown in Table 1. Mock was transfected in the absence of an oligonucleotide (not shown). dsCon2 duplex served as a non-specific duplex control (not shown). DS18-si8 was a duplex siRNA targeting *UTRN* gene and transfected as a silencing dsRNA control (not shown). mRNA levels of *UTRN* at day 3 were quantified by one-step RT-qPCR using a gene specific primer set (as shown in Table 3) in each of PCR reactions. Geometric means of the mRNA levels of *TBP* and *B2M* were used as an internal reference. The value (y-axis, log2 fold change) shows the relative fold changes on *UTRN* mRNA expression levels by each

of the 398 saRNAs relative to Mock treatment after normalized to *TBP* and *B2M* (mean ± SEM of two replicate transfection wells). saRNAs are sorted on x-axis by their activity of inducing *UTRN* mRNA expression (log2) in a descending order.

[41] FIG. 2 shows saRNAs sorted by their target location and hotspot regions on human *UTRN* promoter. 398 human *UTRN* promoter-targeting saRNAs were individually transfected at 25 nM into RD cells for 3 days. Mock was transfected in the absence of an oligonucleotide (not shown). dsCon2 duplex served as a non-specific duplex control (not shown). DS18-si8 was a duplex siRNA targeting *UTRN* gene and transfected as a silencing dsRNA control (not shown). mRNA levels of *UTRN* at day 3 were quantified by one-step RT-qPCR using a gene specific primer set (as shown in Table 3) in individual PCR reactions. Geometric means of the mRNA levels of *TBP* and *B2M* were used as an internal reference. The value (y-axis, log2 fold change) shows the relative fold changes in *UTRN* mRNA expression levels by each of the saRNAs relative to Mock treatment after normalized to *B2M* and *TBP* (mean ± SEM of two replicate transfection wells). saRNAs are sorted on x-axis by their location on the promoter from -666 bp upstream and 334 bp downstream of *UTRN* transcription start site (TSS). Locations of the 4 saRNA hotspot regions were marked as H1 to H4 in rectangular dotted boxes. The numbers above the boxes indicate the boundaries of the hotspot regions relative to the UTRN TSS (+1 position) which span the very 5' end of the first saRNA's target and the very 3' end of the last saRNA's target within each hotspot region.

[42] FIG. 3 shows the activating effects of lead saRNAs on the expression of human *UTRN* gene RD cells. Cells were treated at an saRNA concentration of 25 nM for 3 days. Mock was transfected in the absence of an oligonucleotide. dsCon2 was transfected as a non-specific duplex control. DS18-si8 was a duplex siRNA targeting *UTRN* gene and transfected as a silencing dsRNA control. FIG.3 shows mRNA levels of *UTRN* in RD cells at day 3 were quantified by two step RT-qPCR using a gene specific primer set (as shown in Table 3). Geometric means of the mRNA levels of *TBP* and *B2M* were used as an internal reference. The values (y-axis) are presented as *UTRN* mRNA expression levels relative to Mock treatment after normalized to *TBP* and *B2M* (mean ± SEM of two replicate transfection wells).

[43] FIG. 4 shows the activating effects of lead saRNAs on the protein expression of UTRN in RD cells. The cells were treated by the indicated saRNAs (see Table 1) at 25 nM for 5 days. Mock was transfected in the absence of an oligonucleotide. dsCon2 was transfected as a non-specific duplex control. DS18-si8 was a duplex siRNA targeting *UTRN* gene and transfected as a silencing dsRNA control. The utrophin protein levels in

RD cells at day 5 were determined by Western blotting using a primary antibody against human utrophin protein. An antibody against α/β-Tubulin protein was also blotted to serve as a control for protein loading. FIG.4 shows relative fold changes of utrophin protein levels derived from quantifying the band intensity. The values (y-axis) are relative band intensity of utrophin after being normalized to α/β-Tubulin. All saRNAs are sorted on x-axis by their activity of inducing utrophin protein expression (fold change) in a descending order.

[44] FIG. 5 shows the activating effects of saRNAs on the expression of human *UTRN* mRNA in RD cells. The indicated saRNA (see Table 10) were transfected into RD cells at 25 nM for 3 days. Mock was transfected in the absence of an oligonucleotide. dsCon2 was transfected as a non-specific duplex control. DS18-si8 was a duplex siRNA targeting *UTRN* gene and transfected as a silencing dsRNA control. mRNA levels of *UTRN* were quantified by two step RT-qPCR using a gene specific primer set (as shown in Table 3). Geometric means of the mRNA levels of *TBP* and *HPRT1* were used as an internal reference. The values (y-axis) are presented as *UTRN* mRNA expression levels relative to Mock treatment after normalized to *TBP* and *HPRT1*(mean ± SEM of two replicate transfection wells).

[45] FIGs. 6A-6B show the activating effects of saRNAs on the expression of human utrophin protein in RD cells. The indicated saRNA (see Table 10) were transfected into RD cells at 25 nM for 3 days. Mock was transfected in the absence of an oligonucleotide. dsCon2 was transfected as a non-specific duplex control. Utrophin protein levels were determined by JESS using a primary antibody against human utrophin protein. An antibody against α/β-Tubulin protein was also detected to serve as a control for protein loading. FIG.6A shows the protein bands for utrophin and α/β-Tubulin proteins. FIG.6B shows relative fold changes of utrophin levels derived from quantifying the band intensity of FIG.6A. The values (y-axis) are relative band intensity of utrophin after normalized to α/β-Tubulin (mean ± SEM of two replicate transfection wells).

DETAILED DESCRIPTION

[46] Double-stranded RNAs (dsRNAs) targeting gene regulatory sequences, including promoters, have been shown to upregulate target genes in a sequence-specific manner at the transcriptional level via a mechanism known as RNA activation (RNAa) (Li, L. C., *et al.* Small dsRNAs induce transcriptional activation in human cells. PNAS (2006)). Such dsRNAs are termed small activating RNAs (saRNAs).

[47] Embodiments of the present disclosure are based in part on the surprising discovery that an oligonucleotide modulator (for example, saRNA, also referred to as "*UTRN* gene

saRNA" or "*UTRN* saRNA" herein) is capable of activating or upregulating the expression of a *UTRN* gene in a cell. The increase in production of functional *UTRN* gene mRNA following administration with an saRNA of the present disclosure can achieve a significant increase or upregulation in the level of *UTRN* mRNA and utrophin protein.

[48] In particular, the inventors discovered that the functional saRNAs capable of activating/up-regulating the expression of *UTRN* mRNA were not randomly distributed on the promoter but were clustered in certain specific hotspot regions. Only some regions on the promotor of *UTRN* gene are in favor of gene activation by saRNA, for example, the regions -636 to -496, -351 to -294, -236 to -187 and -101 to -65 upstream of the transcription start site of *UTRN* gene. These specific promoter regions (referred to as "hotspot region" herein) identified by the present disclosure are optionally at least 37 nt in length, or alternatively have a length ranging from about 37 to about 200 nt.

[49] The inventors also discovered that optimal target sequences/sense strand of an saRNA within the *UTRN* promoter region include sequences having criteria of: (1) a GC content between 35% and 70%; (2) less than 5 consecutive identical nucleotides; (3) 3 or less dinucleotide repeats; and (4) 3 or less trinucleotide repeats. As a beneficial consequence of the criteria, a target sequence (*e.g.*, an isolated nucleic acid sequence comprising the target sequence), upon interacting with the saRNA, can activate/upregulate the expression of *UTRN* mRNA by at least 10% or 1.1 fold as compared to a baseline level of *UTRN* mRNA.

[50] A "hotspot region" herein is defined by a nucleic acid region on the target gene of the saRNAs spanning the very 5' end of the first saRNA's target and the very 3' end of the last saRNA's target within each hotspot where at least 25% of the saRNAs designed according to the criteria (1), (2), (3), and (4) listed above, to target the region are turned out to be functional, *i.e.*, can induce a 1.1-fold or more change in the mRNA expression of the target gene as compared to the baseline level of the mRNA expression. In some embodiments, at least 28%, at least 30%, about 35%, about 40%, or over 50% of the saRNAs designed to be functional, i.e., can induce a 1.1-fold or more change in the level of mRNA transcription or protein expression of the target gene as compared to a baseline level of the gene.

[51] Based at least in part on these discoveries, the present disclosure features saRNA, compositions, and pharmaceutical compositions for activating/up-regulating the expression of *UTRN* mRNA by at least 10% as compared to baseline levels of *UTRN* mRNA. Also provided herein are methods for preventing or treating a disease or condition induced by insufficient expression of dystrophin, a dystrophin gene mutation, and/or low

functional dystrophin levels in an individual comprising administering to the individual any of the saRNA, compositions, and/or pharmaceutical compositions described herein.

[52] Embodiments of the present disclosure are also based in part on the surprising discovery that the saRNAs capable of activating or up-regulating the expression of *UTRN* gene in a cell are clustered in particular *UTRN* gene promoter regions, as shown in FIG. 2. The present inventors identified these clusters of *UTRN* gene promoter regions that were considered "hotspot" promoter regions that enrich target sites for the functional saRNAs developed (see *e.g.*, Table 9). For example, the 4 hotspot regions of the human *UTRN* promoter located in regions -636 to -496 (H1), -351 to -294 (H2), -236 to -187 (H3) and -101 to -65 (H4) from the TSS of the promoter were detected and were found to be optimal target sites for saRNAs in activating *UTRN* gene expression by the RNA activation mechanism.

[53] This saRNA- *UTRN* mRNA- utrophin pathway can provide an alternative therapeutic method different from the current treatment of dystrophin-deficiency-related disorders (DDD), e.g., for Duchenne muscular dystrophy (DMD) and Becker muscular dystrophy (BMD) patients.

[54] In the present disclosure, the related terms are defined as follows:

[55] The term "complementary" as used herein refers to the capability of forming base pairs between two oligonucleotide strands. The base pairs are generally formed through hydrogen bonds between nucleotides in the antiparallel oligonucleotide strands. The bases of the complementary oligonucleotide strands can be paired in the Watson-Crick manner (such as A to T, A to U, and C to G) or in any other manner allowing the formation of a duplex (such as Hoogsteen or reverse Hoogsteen base pairing).

[56] Complementarity includes complete complementarity and incomplete complementarity. "Complete complementarity" or "100% complementarity" means that each nucleotide from the first oligonucleotide strand can form a hydrogen bond with a nucleotide at a corresponding position in the second oligonucleotide strand in the double-stranded region of the double-stranded oligonucleotide molecule, with no base pair being "mispaired". "Incomplete complementarity" means that not all the nucleotide units of the two strands are bound with each other by hydrogen bonds. For example, for two oligonucleotide strands each of 20 nucleotides in length in the double stranded region, if only two base pairs in this double-stranded region can be formed through hydrogen bonds, the oligonucleotide strands have a complementarity of 10%. In the same example, if 18 base pairs in this double-stranded region can be formed through hydrogen bonds, the oligonucleotide strands have a complementarity of 90%. Substantial complementarity

refers to at least about 75%, about 79%, about 80%, about 85%, about 90%, about 95% or 99% complementarity.

[57] The term "oligonucleotide" or “polynucleotide” can be used interchangeably, and refers to polymers of nucleotides, and includes, but is not limited to, single-stranded or double-stranded nucleic acid molecules of DNA, RNA, or DNA/RNA hybrid, oligonucleotide strands containing regularly and irregularly alternating deoxyribosyl portions and ribosyl portions, as well as modified and naturally or unnaturally existing frameworks for such oligonucleotides. The oligonucleotide for activating target gene transcription described herein is a small activating nucleic acid molecule (saRNA).

[58] The terms "oligonucleotide strand", “strand” and "oligonucleotide sequence" as used herein can be used interchangeably, referring to a generic term for short nucleotide sequences having less than 35 bases (including nucleotides in deoxyribonucleic acid (DNA) or ribonucleic acid (RNA)). In a non-limiting example, the length of a strand can be any length from 16 to 35 nucleotides.

[59] The term "target gene" as used herein can refer to nucleic acid sequences, transgenes, viral or bacterial sequences, chromosomes or extrachromosomal genes that are naturally present in organisms, and/or can be transiently or stably transfected or incorporated into cells and/or chromatins thereof. The target gene can be a protein-coding gene or a non-protein-coding gene (such as a microRNA gene and a long non-coding RNA gene). The target gene generally contains a promoter sequence, and the positive regulation for the target gene can be achieved by designing an saRNA having sequence identity (also called homology) to the promoter sequence, characterized as the up-regulation of expression of the target gene. "Target sequence" or “target site” used interchangeably herein refers to a sequence segment in the sequence of a target gene sequence, such as, a target gene promoter, which is homologous or complementary with a sense strand or an antisense strand of an saRNA according to the present disclosure. The target gene can also include one or more regulatory elements where one or more saRNA are designed to have sequence identity to a regulatory element. Non-limiting examples of one or more regulatory elements include: a promoter, an enhancer, a silencer, an insulator, a TATA box, a GC box, a CAAT box, a transcriptional start site, a DNA binding motif of a transcription factor or other protein that regulates transcription, and a 5’ untranslated region.

[60] As used herein, the terms "sense strand" of an saRNA refers to the strand having sequence homology or sequence identity with a segment of the coding strand of the sequence of a target gene promoter in the saRNA duplex.

[61] As used herein, the terms "antisense strand" of an saRNA refers to the strand which is complementary with the sense strand in the saRNA duplex or the target gene sequence region.

[62] The term "coding strand" as used herein refers to a DNA strand in the target gene which cannot be used for transcription, and the nucleotide sequence of this strand is the same as that of a RNA produced from transcription (in the RNA, T in DNA is replaced by U). The coding strand of the double-stranded DNA sequence of the target gene promoter described herein refers to a promoter sequence on the same DNA strand as the DNA coding strand of the target gene.

[63] The term "template strand" as used herein refers to the other strand complementary with the coding strand in the double-stranded DNA of the target gene, i.*e.*, the strand that, as a template, can be transcribed into RNA, and this strand is complementary with the transcribed RNA (A to U and G to C). In the process of transcription, RNA polymerase binds to the template strand, moves along the 3'→5' direction of the template strand, and catalyzes the synthesis of the RNA along the 5'→3' direction. The template strand of the double-stranded DNA sequence of the target gene promoter described herein refers to a promoter sequence on the same DNA strand as the DNA template strand of the target gene.

[64] As used herein, the term “LNA” refers to a locked nucleic acid in which the 2′-oxygen and 4′-carbon atoms are joined by an extra bridge. As used herein, the term “BNA” refers to a 2'-O and 4'-aminoethylene bridged nucleic acid that can contain a five-membered or six-membered bridged structure with an N-O linkage. As used herein, the term “PNA” refers to a nucleic acid mimic with a pseudopeptide backbone composed of N-(2-aminoethyl) glycine units with the nucleobases attached to the glycine nitrogen via carbonyl methylene linkers.

[65] The term "promoter" as used herein refers to a sequence which is spatially associated with a protein-coding or RNA-coding nucleic acid sequence and plays a regulatory role for the transcription of the protein-coding or RNA-coding nucleic acid sequence. Generally, a eukaryotic gene promoter contains 100 to 5000 base pairs, although this length range is not intended to limit the term "promoter" as used herein. Although the promoter sequence is generally located at the 5' terminus of a protein-coding or RNA-coding sequence, it may also exist in exon and intron sequences.

[66] The term "transcription start site" as used herein refers to a nucleotide marking the transcription start on the template strand of a gene. The transcription start site can appear on the template strand of the promoter region. A gene can have more than one transcription start site.

[67] The term "identity" or "homology" as used herein means that one oligonucleotide strand (sense or antisense strand) of an saRNA has sequence similarity with a coding strand or template strand in a region of a target gene. As used herein, the "identity" or "homology" may be at least about 75%, about 79%, about 80%, about 85%, about 90%, about 95% or 99%.

[68] The term "equal length portion" refers to a portion of a sequence that is compared with an object sequence (e.g., a continuous oligonucleotide sequence from the saRNA) and has equal length (equal number of bases) to the object sequence.

[69] The term "sequence specific mode" as used herein means a binding or hybridization way of two nucleic acid fragments according to their nucleotide sequence, e.g., a Watson-Crick manner (such as A to T, A to U, and C to G) or any other manner allowing the formation of a duplex (such as Hoogsteen or reverse Hoogsteen base pairing).

[70] The term "overhang" as used herein refers to non-base-paired nucleotides at the terminus (5' or 3') of an oligonucleotide strand, which is formed by one strand extending out of the other strand in a double-stranded oligonucleotide. A single-stranded region extending out of the 3' terminus and/or 5' terminus of a duplex is referred to as an overhang. The term "natural overhang" as used herein refers to an overhang which is consisted of one or more nucleotides identical or complementary to the corresponding position on the DNA target. A natural overhang on a sense strand is consisted of one or more nucleotides identical to the corresponding position on the DNA target. A natural overhang on an antisense strand is consisted of one or more nucleotides complementary to the corresponding position on the DNA target.

[71] As used herein, the terms "gene activation" or "activating gene expression" and "gene upregulation" or "up-regulating gene expression" can be used interchangeably, and mean an increase in transcription, translation, expression or activity of a certain nucleic acid, compared with a baseline level of the nucleic acid, as determined by measuring the transcriptional level, mRNA level, protein level, enzymatic activity, methylation state, chromatin state or configuration, translation level or the activity or state in a cell or biological system of a gene. These activities or states can be determined directly or indirectly. In addition, "gene activation", "activating gene expression", "gene up-regulation" or "up-regulating gene expression" refers to an increase in activity associated with a nucleic acid sequence, regardless of the mechanism of such activation. For example, gene activation occurs at the transcriptional level to increase transcription into RNA and the RNA is translated into a protein, thereby increasing the expression of the protein.

[72] The terms "baseline expression", or "baseline level" of a nucleic acid or a gene refers to the expression level of the nucleic acid or the gene without any artificial regulation of it, for example, before or without administrating the saRNA according to the present disclosure.

[73] As used herein, the terms “oligonucleotide modulator”, "small activating RNA", "saRNA", and "small activating nucleic acid molecule" can be used interchangeably, and refer to a nucleic acid molecule that can upregulate target gene expression and can be composed of a first nucleic acid fragment (sense strand) containing a nucleotide sequence having sequence identity to the non-coding nucleic acid sequence (e.g., a promoter or an enhancer) of a target gene and a second nucleic acid fragment (antisense strand) containing a nucleotide sequence complementary with the first nucleic acid fragment, wherein the first nucleic acid fragment and the second nucleic acid fragment form a duplex. The saRNA can also be comprised of a synthesized or vector-expressed single-stranded RNA molecule that can form a hairpin structure by two complementary regions (first and second regions) within the molecule, wherein the first region contains a nucleotide sequence having sequence identity to the target sequence of a promoter of a gene, and the second region contains a nucleotide sequence which is complementary with the first region. The length of the duplex region of the saRNA is typically about 10 to about 50, about 12 to about 48, about 14 to about 46, about 16 to about 44, about 18 to about 42, about 20 to about 40, about 22 to about 38, about 24 to about 36, about 26 to about 34, and about 28 to about 32 base pairs, and typically about 10, about 15, about 20, about 25, about 30, about 35, about 40, about 45 or about 50 base pairs. In addition, the terms “oligonucleotide modulator”, "saRNA", "small activating RNA", and "small activating nucleic acid molecule" also contain nucleic acids other than the ribonucleotide, including, but not limited to, modified nucleotides or analogues.

[74] As used herein, the term “functional saRNA” refers to an saRNA which activates the expression of its intended target gene by at least 10% (or at least 1.1 fold) as compared to a baseline level of the gene. The term “non-functional saRNA” refers to an saRNA which modulates the expression of *UTRN* gene by less than 10% (or less than 1.1 fold) as compared to a baseline level of the gene.

[75] As used herein, the term "hotspot region" refers to a gene promoter region which contains a hotspot and a continuous target sequence spanning the very 5’ end of the first saRNA and the 3’ end of the last saRNA within the hotspot.

[76] As used herein, the term “an isolated target site” and “an isolated polynucleotide" can be used interchangeably, and herein means a target site to which an saRNA has

complementarity or hybridizes to. For example, an isolated nucleic acid sequence of a target site can include a nucleic acid sequence to which a region of saRNAs has complementarity or hybridizes to. As used herein, the term "an isolated polynucleotide" used herein means a polynucleotide which encodes an saRNA.

[77] As used herein, the term "synthesis" refers to a method for synthesis of an oligonucleotide, including any method allowing RNA synthesis, such as chemical synthesis, *in vitro* transcription, and/or vector-based expression.

[78] As used herein, the terms "disease", "disorder", and "condition" can be used interchangeably when referring to dystrophin-deficient-related disorders.

[79] As used herein, the upper cased "*UTRN*" or "*UTRN* gene" refers to a human gene.

[80] As used herein, the term "*UTRN* mRNA" refers to a message RNA (mRNA) generated from the expression of *UTRN* gene, or the transcription of *UTRN* gene.

[81] As used herein, the terms "UTRN protein" and "utrophin" can be used interchangeably, and refers to a protein generated from the expression of *UTRN* gene, or translation of the *UTRN* mRNA.

saRNA

[82] In the present disclosure, expression of the *UTRN* gene is upregulated by RNA activation, and a related disease (e.g., DMD) is treated by increasing the expression level of utrophin. As the *UTRN* gene encodes utrophin, an increase in *UTRN* mRNA expression results in an increase in expression of the utrophin, thereby treating the disease (e.g., DMD). Therefore, the *UTRN* gene, in some cases, is a target gene in the present disclosure.

[83] Aspects of the present disclosure include an oligonucleotide modulator (e.g., saRNA) comprising an oligonucleotide sequence having a length ranging from 16 to 35 consecutive nucleotides, wherein the continuous oligonucleotide sequence has at least 75%, or at least 80%, or at least 85%, or at least 90% sequence homology or complementary to an equal length portion of SEQ ID NO:1200, and wherein the saRNA activates/upregulates the expression of *UTRN* gene by at least 10% as compared to its baseline expression.

[84] In some embodiments, the equal length portion of SEQ ID NO:1200 disclosed herein is located in the region -636 to -496 (SEQ ID NO:1207), region -351 to -294 (SEQ ID NO:1208), region -236 to -187 (SEQ ID NO:1209), or region -101 to -65 (SEQ ID NO:1210) upstream of the transcription start site of *UTRN* gene.

[85] In some embodiments, the continuous oligonucleotide sequence of the saRNA has five or less, i.e., 5, 4, 3, 2, 1, or 0 nucleotide differences or mismatches relative to the equal length portion of SEQ ID NO:1200. In some embodiments, the differences or

mismatches locate in the middle or at 3' terminus of the oligonucleotide sequence of the saRNA. Methods and principles of saRNA molecule design are well known to those skilled in the art and are described in detail in, for example, Place et. al., *Molecular Therapy–Nucleic Acids* (2012) 1, e15; and Li et.al., *PNAS*, 2006, vol. 103, no. 46, 17337–17342, which are herein incorporated by reference in their entireties.

[86] In some embodiments, the saRNA disclosed herein comprises a sense strand and an antisense strand. The sense strand and the antisense strand comprise complementary regions capable of forming a double-stranded nucleic acid structure that activates the expression of the *UTRN* gene in a cell via the RNAa mechanism. The RNAa mechanism (also known as RNA activation) used herein refers to a mechanism that a double-strand nucleic acid structure is capable of upregulating target genes in a sequence-specific manner at the transcriptional level. The sense strand and the antisense strand of the saRNA can exist either on two different nucleic acid strands or on one nucleic acid strand (e.g., a contiguous nucleic acid sequence). When the sense strand and the antisense strand are located on two different strands, at least one strand of the saRNA has a 3' overhang of 0 to 6 nucleotides in length, such that the overhangs of 0, 1, 2, 3, 4, 5 or 6 nucleotides in length, and in some cases, both strands have a 3' overhang of 2 or 3 nucleotides in length. The nucleotide of the overhang is, in some cases thymine deoxyribonucleotide (dT), or in some cases, natural overhangs which are nucleotides selected from or complementary to the corresponding position on the DNA target. When the sense strand and the antisense strand are located on one nucleic acid strand, in some cases, the saRNA is a hairpin single-stranded nucleic acid molecule, where the complementary regions of the sense strand and the antisense strand form a double stranded nucleic acid structure with each other. In the aforementioned saRNA, in some embodiments, the sense strand and the antisense strand have a length ranging from16 to 35 nucleotides, respectively. For example, in some embodiments, the sense strand and the antisense strand, independently comprises a length of 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34 or 35 nucleotides.

[87] In certain embodiments, one strand of the saRNA has at least 75% (e.g., at least about 79%, about 80%, about 85%, about 90%, about 95% or about 99%) sequence homology or complementarity to a nucleotide sequence selected from SEQ ID NOs: 1-398. Specifically, the sense strand of the saRNA disclosed herein has at least 75% (e.g., at least about 79%, about 80%, about 85%, about 90%, about 95% or about 99%) sequence homology to any nucleotide sequence selected from SEQ ID NOs: 400-797, and the antisense strand of the saRNA disclosed herein has at least 75% (e.g., at least about 79%, about 80%, about 85%, about 90%, about 95% or about 99%) sequence homology to any nucleotide sequence

selected from SEQ ID NOs: 800-1197. More specifically, the sense strand of the saRNA disclosed herein comprises or consists of any nucleotide sequence selected from SEQ ID NOs: 400-797; and the antisense strand of the saRNA disclosed herein comprises or consists of or is any nucleotide sequence selected from SEQ ID NOs: 800-1197.

[88] In certain embodiments, one strand of the saRNA can have five or less, i.e., 5, 4, 3, 2, 1, or 0 nucleotide differences or mismatches relative to the nucleotide sequence selected from SEQ ID Nos: 1-398. Specifically, the sense strand of the saRNA disclosed herein can have five or less, i.e., 5, 4, 3, 2, 1, or 0 nucleotide differences relative to the nucleotide sequence selected from SEQ ID Nos: 400-797, and the antisense strand of the saRNA disclosed herein can have five or less, i.e., 5, 4, 3, 2, 1, or 0 nucleotide differences relative to the nucleotide sequence selected from SEQ ID NOs: 800-1197. In some embodiments, the differences or mismatches locate in the middle or 3' terminus of the sense or antisense strand of the saRNA.

[89] In certain embodiments, the antisense strand disclosed herein is capable of interacting with a target nucleic acid sequence of a promoter of a gene in a sequence specific manner, meaning that the antisense strand is capable of undergoing hybridization to a target nucleic acid through hydrogen bonding. In certain embodiments, an antisense strand has a nucleotide sequence that, when written in the 5' to 3' direction, comprises the reverse complement of the target portion of a target nucleic acid to which it is targeted. In certain such embodiments, an antisense strand has a nucleotide sequence that, when written in the 5' to 3' direction, comprises the reverse complement of the target portion in SEQ ID NO:1200; specifically, the target portion is a nucleic acid sequence selected from SEQ ID NOs:1-398.

[90] In the saRNAs disclosed herein, all nucleotides may be natural or non-chemically modified nucleotides, or at least one nucleotide is a chemically modified nucleotide. Non-limiting examples of the chemical modification include one or more of a combination of the following:

(1) modification of a phosphodiester bond of nucleotides in the nucleotide sequence of the saRNA;

(2) modification of 2'-OH of the ribose in the nucleotide sequence of the saRNA;

(3) modification of a base in the nucleotide of the saRNA; and

(4) at least one nucleotide in the nucleotide sequence of a small activating nucleic acid molecule being a locked nucleic acid.

[91] The chemical modification described herein is well-known to those skilled in the art, and the modification of the phosphodiester bond refers to the modification of oxygen in

the phosphodiester bond, including phosphorothioate modification and boranophosphate modification. The modifications disclosed herein stabilize an saRNA structure, maintaining high specificity and high affinity for base pairing.

[92] In some embodiments, the saRNA of the present disclosure includes at least one chemically modified nucleotide which is modified at 2'-OH in pentose of a nucleotide, i.e., the introduction of certain substituents at the hydroxyl position of the ribose, such as 2'-fluoro modification, 2'-oxymethyl modification, 2'-oxyethylidene methoxy modification, 2,4'-dinitrophenol modification, locked nucleic acid (LNA), 2'-amino modification or 2'-deoxy modification, e.g., a 2′-deoxy-2′-fluoro modified nucleotide, a 2′-deoxy-modified nucleotide.

[93] In some embodiments, the saRNA of the present disclosure includes at least one chemically modified nucleotide which is modified at the base of the nucleotide, e.g., 5 '-bromouracil modification, 5' -iodouracil modification, N-methyluracil modification, or 2,6-diaminopurine modification.

[94] In some embodiments, the chemical modification of the saRNA is an addition of a (E) - vinylphosphonate moiety at the 5' end of the sense or antisense sequence. In some embodiments, the chemical modification of the at least one chemically modified nucleotide is an addition of a 5'-methyl cytosine moiety at the 5' end of the sense or antisense sequence.

[95] In some embodiments, the saRNA of the present disclosure includes at least one nucleotide in the nucleotide sequence of the small activating nucleic acid molecule being a chemically modified nucleic acid, e.g., a locked nucleotide, an abasic nucleotide, a 2′-amino-modified nucleotide, a 2′-alkyl-modified nucleotide, a morpholino nucleotide, a phosphoramidate, and a non-natural base comprising nucleotide. In some embodiments, the saRNA disclosed herein includes an "endo-light" modification with 2′-O-methyl modified nucleotides and nucleotides comprising a 5′-phosphorothioate group.

[96] In some embodiments, the saRNA of the present disclosure is chemically modified to enhance stability or other beneficial characteristics. The nucleic acids featured in the present disclosure may be synthesized and/or modified by conventional methods, such as those described in "Current protocols in nucleic acid chemistry," Beaucage, S. L. *et al.* (Edrs.), John Wiley & Sons, Inc., New York, N.Y., USA, which is hereby incorporated herein by reference. Modifications include, for example, (a) end modifications, e.g., 5′ end modifications (phosphorylation, conjugation, inverted linkages, etc.) 3′ end modifications (conjugation, DNA nucleotides, inverted linkages, etc.), (b) base modifications, e.g., replacement with stabilizing bases, destabilizing bases, or bases that base pair with an

expanded repertoire of partners, removal of bases (abasic nucleotides), or conjugated bases, (c) sugar modifications (e.g., at the 2′ position or 4′ position) or replacement of the sugar, as well as (d) backbone modifications, including modification or replacement of the phosphodiester linkages. Specific examples of saRNA molecules that can be used in this present disclosure include, but are not limited to RNAs containing modified backbones or no natural internucleoside linkages. In some embodiments, RNAs having modified backbones include, among others, those that do not have a phosphorus atom in the backbone. In some embodiments, modified RNAs that do not have a phosphorus atom in their internucleoside backbone can also be considered to be oligonucleosides. In some embodiments, the modified oligonucleotide will have a phosphorus atom in its internucleoside backbone.

[97] Modified oligonucleotide backbones include, for example, phosphorothioates, chiral phosphorothioates, phosphorodithioates, phosphotriesters, aminoalkylphosphotriesters, methyl and other alkyl phosphonates including 3′-alkylene phosphonates and chiral phosphonates, phosphinates, phosphoramidates including 3′-amino phosphoramidate and aminoalkylphosphoramidates, thionophosphoramidates, thionoalkylphosphonates, thionoalkylphosphotriesters, and boranophosphates having normal 3′-5′ linkages, 2′-5′ linked analogs of these, and those) having inverted polarity wherein the adjacent pairs of nucleoside units are linked 3′-5′ to 5′-3′ or 2′-5′ to 5′-2′. Various salts, mixed salts and free acid forms are also included.

[98] Non-limiting examples of preparation of the phosphorus-containing linkages include, but are not limited to, U.S. Pat. Nos. 3,687,808; 4,469,863; 4,476,301; 5,023,243; 5,177,195; 5,188,897; 5,264,423; 5,276,019; 5,278,302; 5,286,717; 5,321,131; 5,399,676; 5,405,939; 5,453,496; 5,455,233; 5,466,677; 5,476,925; 5,519,126; 5,536,821; 5,541,316; 5,550,111; 5,563,253; 5,571,799; 5,587,361; 5,625,050; 6,028,188; 6,124,445; 6,160,109; 6,169,170; 6,172,209; 6,239,265; 6,277,603; 6,326,199; 6,346,614; 6,444,423; 6,531,590; 6,534,639; 6,608,035; 6,683,167; 6,858,715; 6,867,294; 6,878,805; 7,015,315; 7,041,816; 7,273,933; 7,321,029; and U.S. Pat. RE39464, which are hereby incorporated by reference in their entireties.

[99] In certain embodiments, the small activating nucleic acid molecule is an RNA, a DNA, a BNA, an LNA or a peptide nucleic acid (PNA).

[100] In addition, to facilitate entry of the saRNA into a cell, chemical conjugation moieties may be introduced at the ends of the sense or antisense strands of the saRNA on the basis of the above modifications to facilitate action through a cell membrane composed of lipid bilayers and gene promoter regions within the nuclear membrane and nucleus.

[101] In certain embodiments, saRNAs disclosed in the present disclosure are covalently attached to one or more conjugate groups. In certain embodiments, conjugate groups modify one or more properties of the attached oligonucleotide, including but not limited to pharmacodynamics, pharmacokinetics, stability, binding, absorption, tissue distribution, cellular distribution, cellular uptake, charge and clearance. In certain embodiments, conjugate groups impart a new property on the attached oligonucleotide, e.g., fluorophores or reporter groups that enable detection of the oligonucleotide. Certain conjugate groups and conjugate moieties have been described previously, for example: cholesterol moiety (Letsinger *et al.*, *Proc. Natl. Acad. Sci. USA*, 1989, 86, 6553-6556), cholic acid (Manoharan et al., *Bioorg. Med. Chem. Lett.,* 1994, 4, 1053-1060), a thioether, e.g., hexyl-S-tritylthiol (Manoharan *et al.*, *Ann. N.Y. Acad. Sci.,* 1992, 660, 306-309; Manoharan *et al.*, *Bioorg. Med. Chem. Lett.,* 1993, 3, 2765-2770), a thiocholesterol (Oberhauser *et al.*, *Nucl. Acids Res.,* 1992, 20, 533-538), an aliphatic chain, e.g., do-decan-diol or undecyl residues (Saison-Behmoaras et al., *EMBO* 1, 1991, 10, 1111-1118; Kabanov et al., *FEBS Lett.,* 1990, 259, 327-330; Svinarchuk et al., *Biochimie,* 1993, 75, 49-54), a phospholipid, e.g., di-hexadecyl-rac-glycerol or triethyl-ammonium 1,2-di-O-hexadecyl-rac-glycero-3-H-phosphonate (Manoharan *et al.*, *Tetrahedron Lett.,* 1995, 36, 3651-3654; Shea *et al.*, *Nucl. Acids Res.,* 1990, 18, 3777-3783), a polyamine or a polyethylene glycol chain (Manoharan et al., *Nucleosides &Nucleotides,* 1995, 14, 969-973), or adamantane acetic acid, a palmityl moiety (Mishra *et al.*, *Biochim. Biophys. Acta,* 1995, 1264, 229-237), an octadecylamine or hexylamino-carbonyl-oxycholesterol moiety (Crooke *et al.*, *J. Pharmacol. Exp. Ther.,* 1996, 277, 923-937), a tocopherol group (Nishina *et al.*, *Molecular Therapy Nucleic Acids,* 2015, 4, e220; and Nishina *et al.*, *Molecular Therapy,* 2008, 16, 734-740), or a GalNAc cluster (e.g., WO2014/179620).

[102] In some embodiments, the saRNA of the present disclosure relates to the sense strand or the antisense strand of the saRNA that is conjugated to one or more conjugation moieties selected from: intercalators, reporter molecules, polyamines, polyamides, peptides, carbohydrates, vitamin moieties, polyethylene glycols, thioethers, polyethers, cholesterols, thiocholesterols, cholic acid moieties, folate, lipids, phospholipids, biotin, phenazine, phenanthridine, anthraquinone, adamantane, acridine, fluoresceins, rhodamines, coumarins, fluorophores, and dyes.

[103] In some embodiments, a conjugation moiety comprises an active drug substance, for example, aspirin, warfarin, phenylbutazone, ibuprofen, suprofen, fen-bufen, ketoprofen, (S)-(+)-pranoprofen, carprofen, dansylsarcosine, 2,3,5-triiodobenzoic acid, fingolimod, flufenamic acid, folinic acid, a benzothiadiazide, chlorothiazide, a diazepine, indo-

methicin, a barbiturate, a cephalosporin, a sulfa drug, an antidiabetic, an antibacterial or an antibiotic.

[104] In some embodiments, the saRNA of the present disclosure is conjugated to one or more conjugation moieties selected from: a lipid, a fatty acid, a fluorophore, a ligand, a saccharide, a peptide, and an antibody.

[105] In some embodiments, the saRNA of the present disclosure relates to the sense strand or the antisense strand of the saRNA that is conjugated to one or more conjugation moieties selected from a cell-penetrating peptide, polyethylene glycol, an alkaloid, a tryptamine, a benzimidazole, a quinolone, an amino acid, a cholesterol, glucose and N-acetylgalactosamine.

[106] In some embodiments, the saRNA conjugated to one or more conjugation moieties disclosed in the embodiments is directly contacted, transferred, delivered or administrated to a cell or a subject. "Patient", "individual" or "subject" as used interchangeably herein can refer to a non-human (e.g., a mammal) subject or a human subject.

[107] In some embodiments, the sense strand and the antisense strand of the saRNA independently have at least about 10%, 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%, or about 100% nucleotides which are chemically modified nucleotides.

[108] In some embodiments, at least about 50%, at least about 60%, at least about 70%, at least about 80%, at least about 90%, at least about 95%, or about 100% nucleotides of the saRNA are chemically modified nucleotides.

[109] These modifications can increase the bioavailability of the saRNA, improve affinity to a target sequence, and enhance resistance to nuclease hydrolysis in a cell.

[110] In some embodiments, the saRNA of the present disclosure which, upon contact with a cell, are effective in activating or up-regulating the expression of one or more genes in the cell, for example by at least 10% (e.g., at least 20%, at least 30%, at least 40%, at least 50%, at least 60%, at least 70%, at least 80%, at least 90%, at least 100%, at least 150%, at least 200%, at least 300%, at least 500%, at least 800%, at least 1000%, at least 2000%, or at least 5000%).

[111] In a non-limiting example, an saRNA is designed based at least in part on the following criteria: (1) having a GC content between 35% and 70%; (2) with less than 5 consecutive identical nucleotides; (3) with 3 or less dinucleotide repeats; and (4) with 3 or less trinucleotide repeats. In some embodiments, an saRNA is designed/selected based, at

least in part, on criteria that enables production of functional saRNA. For example, in some cases, a sequence located upstream of a TSS may include a sequence that does not favor synthesis of an saRNA despite being located in a hotspot region.

[112] In some embodiments, an saRNA is designed/selected based, at least in part, on criteria that includes a sequence having a particular GC content (e.g., a GC content between 25% and 75%) and lacking consecutive identical nucleotides, consecutive dinucleotides, or consecutive trinucleotides. In some embodiments, an saRNA sequence comprises a sequence (1) having a GC content between 35% and 70%; (2) with less than 5 consecutive identical nucleotides; (3) with 3 or less dinucleotide repeats; and (4) with 3 or less trinucleotide repeats.

[113] In some embodiments, an saRNA sequence comprises a sequence having a GC content between 25% and 75%, between 30% and 70%, between 35% and 70%, between 40% and 60%, or between 45% and 55%. In some embodiments, the saRNA comprises a sequence having a GC context between 35% and 70%.

[114] In some embodiments, an saRNA sequence comprises a sequence having less than 7 consecutive identical nucleotides, less than 6 consecutive identical nucleotides, less than 5 consecutive identical nucleotides, less than 4 consecutive identical nucleotides, or less than 3 consecutive identical nucleotides. In some embodiments, the saRNA comprises a sequence having less than 5 consecutive identical nucleotides.

[115] In some embodiments, an saRNA sequence comprises a sequence having 5 or less dinucleotide repeats, 4 or less dinucleotide repeats, 3 or less dinucleotide repeats, or 2 or less dinucleotide repeats. In some embodiments, the saRNA comprises a sequence having 3 or less dinucleotide repeats.

[116] In some embodiments, an saRNA sequence comprises a sequence having 5 or less trinucleotide repeats, 4 or less trinucleotide repeats, 3 or less trinucleotide repeats, or 2 or less trinucleotide repeats. In some embodiments, the saRNA comprises a sequence having 3 or less trinucleotide repeats.

Target sequence

[117] In certain embodiments, the present disclosure relates to an isolated target site of the saRNA of the present disclosure, specifically, the isolated target site is a nucleotide sequence having a length ranging from 16 to 35 nucleotides in the nucleotide sequence of SEQ ID NO:1200. In certain embodiments, the isolated target site is a nucleic acid sequence selected from SEQ ID NOs:1-398. The isolated target site is capable of interacting with an antisense strand of the saRNA disclosed in the present disclosure, and thus capable of activating the expression of *UTRN* gene (e.g., mRNA expression, protein

expression, UTRN expression). In some embodiments, the target site is selected based at least in part on a gene sequence. In some embodiments, the target site is selected based at least in part on a sequence close to a transcription start site (TSS) of the gene. In some embodiments, the target site is selected based at least in part on a promoter sequence upstream of the TSS. In some embodiments, the target site is selected based at least in part on a sequence from -5000 bp, -4000bp, -3000 bp, -2000bp, -1000 bp or -500 bp upstream of the TSS. In some embodiments, the target site is selected at least in part by moving toward the TSS by 1 bp each time, and resulting in a target sequence, followed by repeating this step and increasing towards the TSS by an additional base pair (e.g., n +1). In some embodiments, the target site has a length of about 8 to about 35 nucleotides. In some embodiments, the target site has a length of about 8, 9, 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, or 35 nucleotides.

[118] In certain embodiments, the present disclosure relates to an isolated oligonucleotide complex comprising the saRNA disclosed herein and the isolated target site disclosed in the present disclosure. In certain embodiments, the isolated oligonucleotide complex activates the expression of *UTRN* gene by at least 10% (*e.g.*, activates/upregulates expression of the *UTRN* gene as compared to baseline *UTRN* gene expression levels).

Hotspot

[119] In certain embodiments, the present disclosure relates to an isolated nucleic acid sequence, or namely "hotspot region", located upstream of the transcription start site of *UTRN* gene. In certain embodiments, isolated nucleic acid sequence disclosed herein is an oligonucleotide sequence having least 37 consecutive nucleotides in length and has at least 75%, or at least 80%, or at least 85%, or at least 90% sequence homology to an equal length region within the nucleotide sequence of SEQ ID NO:1200. In some embodiments, at least 25% (e.g., 28%, 35%, 40%, 45%, 50%, 55%, 60%, 65%, 70%, 75%, 80%, 85%, 90%, 95% or 100%) of the saRNAs designed to target a sequence within the hotspot is functional, i.e., can induce an at least 1.1-fold change in the mRNA expression of the target gene. In a non-limiting example, at least 50% of the saRNAs designed to the targeted hotspots is functional, i.e., can induce an at least 1.1-fold change in the mRNA expression of the target gene. In a non-limiting example, an saRNA is designed based at least in part on the following criteria: (1) having a GC content between 35% and 70%; (2) with less than 5 consecutive identical nucleotides; (3) with 3 or less dinucleotide repeats; and (4) with 3 or less trinucleotide repeats. In some embodiments, the same or similar criteria is used to select an isolated nucleic acid sequence and/or a target sequence. In a

non-limiting example, an isolated nucleic acid sequence upstream of the *UTRN* gene's TSS is selected based at least in part on the following criteria: (1) having a GC content between 35% and 70%; (2) with less than 5 consecutive identical nucleotides; (3) with 3 or less dinucleotide repeats; and (4) with 3 or less trinucleotide repeats. In some embodiments, the isolated nucleic acid has about 19 to about 250 (e.g., about 27 to about 200, about 30 to about 200, about 33 to about 200, about 36 to about 150, about 39 to about 100, about 42 to about 75, about 45 to about 70, or about 48 to about 55) nucleotides in length. In some embodiments, a hotspot region is a polynucleotide sequence selected from the group consisting of SEQ ID NOs:1207-1210. In some embodiments, a hotspot region is a nucleic acid sequence selected from the group consisting of region -636 to -496 (SEQ ID NO:1207), region -351 to -294 (SEQ ID NO:1208), region -236 to -187 (SEQ ID NO:1209), or region -101 to -65 (SEQ ID NO:1210) upstream of the transcription start site of *UTRN* gene. The present disclosure also provides a method of designing saRNA, said method provide saRNA targeting said isolated nucleic acid sequence of the present disclosure.

[120] In some embodiments, a target sequence is design/selected based, at least in part, on criteria that enables production of functional saRNA. For example, in some cases, a sequence located upstream of a TSS may include a sequence that does not favor synthesis of a target sequence despite being located in a hotspot region.

[121] In some embodiments, a target sequence within a hotspot region is selected based, at least in part, on criteria that includes a sequence having a particular GC content (e.g., a GC content between 25% and 75%) and lacking consecutive identical nucleotides, consecutive dinucleotides, or consecutive trinucleotides. In some embodiments, a target sequence within a hotspot region comprises a sequence having a GC content between 35% and 70%; (2) with less than 5 consecutive identical nucleotides; (3) with 3 or less dinucleotide repeats; and (4) with 3 or less trinucleotide repeats.

[122] In some embodiments, a target sequence comprises a sequence having a GC content between 25% and 75%, between 30% and 70%, between 35% and 70%, between 40% and 60%, or between 45% and 55%. In some embodiments, the saRNA comprises a sequence having a GC context between 35% and 70%.

[123] In some embodiments, a target sequence comprises a sequence having less than 7 consecutive identical nucleotides, less than 6 consecutive identical nucleotides, less than 5 consecutive identical nucleotides, less than 4 consecutive identical nucleotides, or less than 3 consecutive identical nucleotides. In some embodiments, the saRNA comprises a sequence having less than 5 consecutive identical nucleotides.

[124] In some embodiments, a target sequence comprises a sequence having 5 or less dinucleotide repeats, 4 or less dinucleotide repeats, 3 or less dinucleotide repeats, or 2 or less dinucleotide repeats. In some embodiments, the target sequence comprises a sequence having 3 or less dinucleotide repeats.

[125] In some embodiments, a target sequence comprises a sequence having 5 or less trinucleotide repeats, 4 or less trinucleotide repeats, 3 or less trinucleotide repeats, or 2 or less trinucleotide repeats. In some embodiments, the target sequence comprises a sequence having 3 or less trinucleotide repeats.

[126] RNAa activity of each designed saRNA is depended on a complex myriad of factors, such as chromatin environments, sequence features of the target per se and nearby regions, transcriptional factor binding etc. The core underlying determinant may be accessibility of the DNA target. In the regions with higher accessibility, dsRNAs may show a higher activity of RNAa. While dsRNAs designed targeting other regions of the promotor may exhibit non-functional or even transcriptional silencing effect. This may explain the existing of hotspot regions where functional saRNAs are clustered together. For example, a target sequence designed based at least in part on the following criteria: (1) having a GC content between 35% and 70%; (2) with less than 5 consecutive identical nucleotides; (3) with 3 or less dinucleotide repeats; and (4) with 3 or less trinucleotide repeats may not activate/upregulate the expression of *UTRN* gene by at least 10% as compared to baseline expression of the *UTRN* gene because the target sequence that the saRNA binds to is not within a hotspot region (e.g., any of hotspot regions described herein).

[127] In certain embodiments, the present disclosure relates to an isolated nucleic acid complex comprising the saRNA disclosed in the present disclosure and the isolated nucleic acid sequence disclosed herein. In certain embodiments, the isolated nucleic acid complex activates the expression of *UTRN* gene by at least 10% as compared to baseline expression of the *UTRN* gene.

[128] In some aspects, methods of using the isolated nucleic acid upstream of the transcription target site of *UTRN* gene is also provided.

DNA encoding saRNA

[129] In certain embodiments, the present disclosure relates to a nucleic acid or polynucleotide encoding the saRNA which can activate or upregulate the expression of *UTRN* gene in a cell by at least 10% (*e.g.*, as compared to baseline expression of the *UTRN* gene). In certain embodiments, the nucleic acid is a DNA encoding an saRNA. In certain embodiments, the nucleic acid is a recombinant vector, specifically, a recombinant

AAV vector. The vectors disclosed herein comprise a fragment of DNA that encodes an saRNA of the present disclosure.

Cell comprising saRNA

[130] After contacting a cell, the saRNA disclosed herein can effectively activate or upregulate the expression of *UTRN* gene in a cell, for example upregulate the expression by at least 10% (*e.g.*, as compared to baseline expression of the *UTRN* gene).

[131] In certain embodiments, the present disclosure relates to a cell comprising the saRNA disclosed herein. In some embodiments, the cell is a mammalian cell. In some embodiments, the cell is a human cell, such as a human malignant embryonic rhabdomyoma cells (*e.g.*, a RD cell). The cell disclosed herein may be *in vitro*, or *ex vivo*, such as a cell line or a cell strain, or may exist in a mammalian body, such as a human body. The human body disclosed herein is a subject suffering from a disease or symptom caused by a *UTRN* gene mutation, low utrophin level, and/or insufficient levels of functional utrophin in muscle. In some embodiments, the cell is from a subject suffering from DMD.

Composition comprising saRNA

[132] In certain embodiments, the present disclosure relates to a composition or pharmaceutical composition comprising the saRNA or the nucleic acid of the present disclosure. In some embodiments, the composition comprises at least one pharmaceutically acceptable carrier. In some embodiments, the composition comprising at least one pharmaceutically acceptable carrier selected from an aqueous carrier, liposome or LNP, polymer, micelle, colloid, metal nanoparticle, non-metallic nanoparticle, bioconjugate (*e.g.*, GalNAc), polypeptide, antibody and any combination thereof. In one embodiment, the aqueous carrier may be, for example, RNase-free water, or RNase-free buffer. In some embodiments, the composition may contain 0.001-200 nM (e.g., 0.01-100 nM, 0.1-50 nM, 1-150 nM, 1-200 nM, 1-20 nM, 0.001-1 nM, 1-10 nM, 10-100 nM, 10-50 nM, 20-50 nM, 20-100 nM) of the saRNA or isolated polynucleotide as described herein. In some embodiments, the composition includes 25 nM of the saRNA or isolated polynucleotide as described herein.

Methods of using saRNA

[133] Another aspect of the present disclosure relates to an saRNA for activating/upregulating the *UTRN* gene expression in a cell. The saRNA comprises an oligonucleotide sequence having a length of 16 to 35 consecutive nucleotides. In some embodiments, the oligonucleotide sequence has at least 75%, or at least 80%, or at least

85%, or at least 90% homology or complementary to an equal length region of SEQ ID NO:1200, specifically, the saRNA activates/up-regulates the expression of the *UTRN* gene by at least 10% (e.g., at least 20%, at least 30%, at least 40%, at least 50%, at least 60%, at least 70%, at least 80%, at least 90%, at least 100%, at least 150%, at least 200%, at least 300%, at least 500%, at least 800%, at least 1000%, at least 2000%, or at least 5000% as compared to baseline expression of the *UTRN* gene). In certain embodiments, upon administering the saRNA disclosed in the embodiments, e.g., to a cell or a subject, the expression of the *UTRN* gene is activated/up-regulated by at least 1.1 fold (e.g., at least 1.2 fold, at least 1.5 fold, at least 1.8 fold, at least 2.0 fold, or at least 2.2 fold compared to baseline expression of the *UTRN* gene). In certain embodiments, an saRNA activates or upregulates the expression of the *UTRN* gene by about 2.2-fold. In certain embodiments, the expression of *UTRN gene* is activated/up-regulated by administering the saRNA disclosed in the embodiments to a cell at a concentration of at least 0.01 nM, e.g., 0.02 nM, 0.05 nM, 0.08 nM, 0.1 nM, 0.2 nM, 0.3 nM, 0.4 nM, 0.5 nM, 0.6 nM, 0.8 nM, 1 nM, 5 nM, 10 nM, 25 nM, 50 nM, 75 nM, 100 nM, 150 nM or 200 nM. In certain embodiments, the induction of *UTRN* gene coding protein (utrophin) is activated/up-regulated by administering the saRNA disclosed in the embodiments, e.g., to a cell or a subject, the expression of the *UTRN* gene coding protein (utrophin) by at least 1.1 fold (e.g., at least 2 fold, at least 3 fold, at least 4 fold, at least 5 fold, at least 6 fold, at least 7 fold, or at least 8 fold compared to baseline expression of the utrophin protein). In certain embodiments, an saRNA activates or upregulates the expression of the utrophin protein by about 8.0-fold. In certain embodiments, the induction of *UTRN* gene coding protein (utrophin) is activated/up-regulated by administering the saRNA disclosed in the embodiments to a cell at a concentration of at least 0.01 nM, e.g., 0.02 nM, 0.05 nM, 0.08 nM, 0.1 nM, 0.2 nM, 0.3 nM, 0.4 nM, 0.5 nM, 0.6 nM, 0.8 nM, 1 nM, 2 nM, 3 nM, 4nM, 5 nM, 10 nM, 25 nM, 50 nM, 75 nM, 100 nM, 150 nM or 200 nM.

[134] Another aspect of the present disclosure relates to a method for preventing or treating a disorder or condition induced by insufficient expression of dystrophin, a dystrophin gene mutation, and/or low functional dystrophin levels in an individual comprising: administering an effective amount of the saRNA, the nucleic acid or isolated polynucleotide encoding the saRNA, or the composition comprising the saRNA disclosed herein to the individual. in certain embodiments, the effective amount of the saRNA disclosed herein can be a concentration ranging from 0.01 nM to 50 nM, e.g., 0.01 nM, 0.02 nM, 0.05 nM, 0.08 nM, 0.1 nM, 0.2 nM, 0.3 nM, 0.4 nM, 0.5 nM, 0.6 nM, 0.8 nM, 1 nM, 5 nM, 10 nM, 25 nM, 50 nM, 75 nM, 100 nM, 150 nM or 200 nM. In some

embodiments, the disorder or condition is DMD. In some embodiments, the individual is a mammal. In some embodiments, the individual is a human.

[135] In any of the embodiments provided herein, such saRNA, nucleic acids encoding the saRNA of the present disclosure, or compositions comprising such saRNA of the present disclosure may be introduced directly into a cell, or may be produced intracellularly upon introduction of a nucleotide sequence encoding the saRNA into a cell, for example a mammalian cell including, but not limited to RD cells, or a human cell. Such cells may be *ex vivo*, such as cell lines, and the like, or may be present in mammalian bodies, such as humans. In some embodiments, the human is a subject or individual suffering from a dystrophin-deficiency-related condition or DMD or BMD. In certain embodiments, a nucleic acid or an isolated polynucleotide encoding an saRNA or a composition comprising the aforementioned saRNA as described herein, in respective amounts sufficient to treat DMD or BMD.

[136] Another aspect of the present disclosure relates administering an effective mount of the saRNA or the composition to an individual using administration pathway as described herein. In some embodiments, the administration pathway is selected from one or more of: parenteral infusions, oral administration, intranasal administration, inhaled administration, vaginal administration, and rectal administration. In some embodiments, the administration pathway is selected from one or more of: intrathecal, intramuscular, intravenous, intra-arterial, intraperitoneal, intravesical, intracerebroventricular, intravitreal and subcutaneous administrations.

Dose regiments and route of administration

[137] Aspects of the present disclosure relate to a pharmaceutical composition comprising the saRNA of the present disclosure. In some embodiments, the pharmaceutical composition comprises the saRNA of the present disclosure and a pharmaceutically acceptable carrier, a therapeutically inert carrier, diluent or pharmaceutically acceptable excipient. The pharmaceutical composition disclosed herein is to be developed into a medicament preventing or treating the dystrophin-deficiency-related condition or DMD or BMD.

[138] Aspects of the present disclosure also relate to methods of using the saRNAs of the present disclosure to prepare such compositions.

[139] Another aspect of the present disclosure relates to use of the saRNA of the present disclosure in manufacturing the pharmaceutical composition disclosed herein.

[140] Another aspect of the present disclosure relates to use of the saRNA or an isolated polynucleotide, according to any one of the embodiments described herein, or a

composition according to any one of the embodiments described herein, in the manufacture of a medicament for the prevention or treatment of gene or protein-related symptom induced by the insufficient expression of dystrophin, a dystrophin gene mutation, and/or low functional dystrophin levels in an individual. For the use according to certain embodiments, the condition can include a dystrophin-mutation-related disorder or condition that comprises a DMD. For the use according to certain embodiments, the symptom induced by insufficient expression of utrophin is BMD or DMD. Also related is the use according to certain embodiments wherein the individual is a mammal, for example a human.

[141] The dosage at which the saRNAs or compositions of the present disclosure can be administered can vary within wide limits and will be fitted to the individual requirements in each case. In certain embodiments, a first dose of a pharmaceutical composition according to the present disclosure is administered when the subject is less than one week old, less than one month old, less than 3 months old, less than 6 months old, less than one-year-old, less than 2 years old, less than 15 years old, or older than 15 years old.

[142] The single dose of the saRNA can be a single dose ranging from 0.01 mg/kg to 1000 mg/kg for example, about 0.01, 0.02, 0.05, 0.1, 0.2, 0.5, 1, 2, 2.5, 5, 7.5, 10, 12.5, 15, 17.5, 20, 25, 30, 40, 50, 75, 100, 120, 150, 200, 250, 300, 400, 500, 750, or 1000 mg/kg. The doses described herein may contain two or more of any of the saRNA sequences described herein.

[143] In some embodiments, the proposed dose frequency is approximate. For example, in certain embodiments if the proposed dose frequency is a dose at day 1 and a second dose at day 29, a DMD patient may receive a second dose 25, 26, 27, 28, 29, 30, 31, 32, 33, or 34 days after receipt of the first dose. In certain embodiments, if the proposed dose frequency is a dose at day 1 and a second dose at day 15, a DMD patient may receive a second dose 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, or 20 days after receipt of the first dose. In certain embodiments, if the proposed dose frequency is a dose at day 1 and a second dose at day 85, a DMD patient may receive a second dose 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, or 90 days after receipt of the first dose.

[144] In certain embodiments, the dose and/or the volume of the injection will be adjusted based on the subject's age, the subject's body weight, and/or other factors that may require adjustment of the parameters of the injection.

[145] In certain embodiments, pharmaceutical compositions comprise a co-solvent system. Certain of such co-solvent systems comprise, for example, benzyl alcohol, a nonpolar surfactant, a water-miscible organic polymer, and an aqueous phase. In certain

embodiments, such co-solvent systems are used for hydrophobic compounds. A non-limiting example of such a co-solvent system is the VPD co-solvent system, which is a solution of absolute ethanol comprising 3% w/v benzyl alcohol, 8% w/v of the nonpolar surfactant Polysorbate 80™ and 65% w/v polyethylene glycol 300. The proportions of such co-solvent systems may vary considerably without significantly altering their solubility and toxicity characteristics. Furthermore, the identity of co-solvent components may be varied: for example, other surfactants may be used instead of Polysorbate 80™; the fraction size of polyethylene glycol may be varied; other biocompatible polymers may replace polyethylene glycol, e.g., polyvinyl pyrrolidone; and other sugars or polysaccharides may substitute for dextrose.

[146] Examples of other compositions or components associated with the saRNA, compositions, pharmaceutical compositions, and methods described herein include, but are not limited to: diluents, salts, buffers, chelating agents, preservatives, drying agents, antimicrobials, needles, syringes, packaging materials, tubes, bottles, flasks, beakers, and the like, for example, for using, modifying, assembling, storing, packaging, preparing, mixing, diluting, and/or preserving the components for a particular use. In embodiments where liquid forms of any of the components are used, the liquid form may be concentrated or ready to use.

[147] In some embodiments, lipid moieties used in nucleic acid therapies can be applied in the present disclosure for delivery of the saRNA molecules disclosed herein. In such methods, the nucleic acid (e.g., one or more saRNAs described herein) is introduced into preformed liposomes or lipoplexes made of mixtures of cationic lipids and neutral lipids. In certain methods, saRNA complexes with mono- or poly-cationic lipids are formed without the presence of a neutral lipid. In certain embodiments, a lipid moiety is selected to increase distribution of a pharmaceutical agent to a particular cell or tissue. In certain embodiments, a lipid moiety is selected to increase distribution of a pharmaceutical agent to fat tissue. In certain embodiments, a lipid moiety is selected to increase distribution of a pharmaceutical agent to muscle tissue.

[148] In certain embodiments, pharmaceutical compositions comprise a delivery system. Examples of delivery systems include, but are not limited to, liposomes and emulsions. Certain delivery systems are useful for preparing certain pharmaceutical compositions including those comprising hydrophobic compounds. In certain embodiments, certain organic solvents such as dimethylsulfoxide are used.

[149] In certain embodiments, pharmaceutical compositions comprise one or more tissue-specific delivery molecules designed to deliver the one or more pharmaceutical

agents of the present disclosure to specific tissues or cell types. For example, in certain embodiments, pharmaceutical compositions include liposomes coated with a tissue-specific antibody.

[150] In some embodiments, the saRNA can be delivered or administered via a vector. Any vectors that may be used for gene delivery may be used. In some embodiments, a viral vector may be used. Non-limiting examples of viral vectors that may be used in the present disclosure include, but are not limited to, human immunodeficiency virus; HSV, herpes simplex virus; MMSV, Moloney murine sarcoma virus; MSCV, murine stem cell virus; SFV, Semliki Forest virus; SIN, Sindbis virus; VEE, Venezuelan equine encephalitis virus; VSV, vesicular stomatitis virus; VV, vaccinia virus; AAV, adeno-associated virus; adenovirus; lentivirus; and retrovirus.

[151] In some embodiments, the vector is a recombinant AAV vector (rAAV). AAV vectors are DNA viruses of relatively small size that can integrate, in a stable and site-specific manner, into the genome of the cells that they infect. They are able to infect a wide spectrum of cells without inducing any effects on cellular growth, morphology or differentiation, and they do not appear to be involved in human pathologies. The AAV genome has been cloned, sequenced and characterized. It encompasses approximately 4700 bases and contains an inverted terminal repeat (ITR) region of approximately 145 bases at each end, which serves as an origin of replication for the virus. The remainder of the genome is divided into two essential regions that carry the encapsidation functions: the left-hand part of the genome, that contains the rep gene involved in viral replication and expression of the viral genes; and the right-hand part of the genome, that contains the cap gene encoding the capsid proteins of the virus.

[152] AAV vectors may be prepared using standard methods in the art. Adeno-associated viruses of any serotype are suitable (see, e.g., Blacklow, pp. 165-174 of "Parvoviruses and Human Disease" J. R. Pattison, ed. (1988); Rose, Comprehensive Virology 3:1, 1974; P. Tattersall "The Evolution of Parvovirus Taxonomy" In Parvoviruses (J R Kerr, S F Cotmore. M E Bloom, R M Linden, C R Parrish, Eds.) p 5-14, Hudder Arnold, London, UK (2006); and D E Bowles, J E Rabinowitz, R J Samulski "The Genus Dependovirus" (J R Kerr, S F Cotmore. M E Bloom, R M Linden, C R Parrish, Eds.) p 15-23, Hudder Arnold, London, UK (2006), the disclosures of which are hereby incorporated by reference herein in their entireties). Methods for purifying for vectors may be found in, for example, U.S. Pat. Nos. 6,566,118, 6,989,264, and 6,995,006 and WO/1999/011764 titled "Methods for Generating High Titer Helper-free Preparation of Recombinant AAV Vectors", the disclosures of which are herein incorporated by

reference in their entirety. Preparation of hybrid vectors is described in, for example, PCT Application No. PCT/US2005/027091, the disclosure of which is herein incorporated by reference in its entirety. The use of vectors derived from the AAVs for transferring genes *in vitro* and *in vivo* has been described (See e.g., International Patent Application Publication Nos: 91/18088 and WO 93/09239; U.S. Pat. Nos. 4,797,368, 6,596,535, and 5,139,941; and European Patent No: 0488528, all of which are herein incorporated by reference in their entirety). These publications describe various AAV-derived constructs in which the rep and/or cap genes are deleted and replaced by a gene of interest, and the use of these constructs for transferring the gene of interest *in vitro* (into cultured cells) or *in vivo* (directly into an organism). The replication defective recombinant AAVs (rAAV) according to the disclosure can be prepared by co-transfecting a plasmid containing the nucleic acid sequence of interest flanked by two AAV inverted terminal repeat (ITR) regions, and a plasmid carrying the AAV encapsulation genes (rep and cap genes), into a cell line that is infected with a human helper virus (for example an adenovirus). The AAV recombinants that are produced are then purified by standard techniques.

[153] In some embodiments, the vector(s) for use in the methods of the disclosure are encapsulated into a virus particle (*e.g.*, AAV virus particle including, but not limited to, AAV1, AAV2, AAV3, AAV4, AAV5, AAV6, AAV7, AAV8, AAV9, AAV10, AAV11, AAV12, AAV13, AAV14, AAV15, and AAV16). Accordingly, the disclosure may include a recombinant virus particle (recombinant because it contains a recombinant polynucleotide) comprising any of the vectors described herein. Methods of producing such particles are known in the art and are described in U.S. Pat. No. 6,596,535.

[154] Preparations, pharmaceutical compositions, or medicaments of the present disclosure are formulated, dosed, and administered in a fashion consistent with good medical practice. Factors for consideration in this context include the particular disorder being treated, the particular mammal being treated, the clinical condition of the individual subject, the cause of the disorder, the site of delivery of the agent, the method of administration, the scheduling of administration, and other factors known to medical practitioners.

[155] For the preparations, pharmaceutical compositions, or medicaments of the present disclosure, the delivery can be optionally through parenteral infusions including intrathecal, intramuscular, intravenous, intra-arterial, intraperitoneal, intravesical, intracerebroventricular, intravitreal or subcutaneous administration; or through oral administration, intranasal administration, inhaled administration, vaginal administration, or rectal administration.

[156] A typical formulation of the oligonucleotide modulator in the present disclosure is prepared by mixing an saRNA of the present disclosure and a carrier or excipient. Suitable carriers and excipients are well known to those skilled in the art and are described in detail in, e.g., Ansel H. C. et al., Ansel's Pharmaceutical Dosage Forms and Drug Delivery Systems (2004) Lippincott, Williams & Wilkins, Philadelphia; Gennaro A. R. et al., Remington: The Science and Practice of Pharmacy (2000) Lippincott, Williams & Wilkins, Philadelphia; and Rowe R. C, Handbook of Pharmaceutical Excipients (2005) Pharmaceutical Press, Chicago. The formulations may also include one or more buffers, stabilizing agents, surfactants, wetting agents, lubricating agents, emulsifiers, suspending agents, preservatives, antioxidants, opaquing agents, glidants, processing aids, colorants, sweeteners, perfuming agents, flavoring agents, diluents and other known additives to provide an elegant presentation of the drug (*i.e.*, an saRNA of the present disclosure or pharmaceutical composition thereof) or aid in the manufacturing of the pharmaceutical product (*i.e.*, medicament).

Method of diagnosis

[157] Another aspect of the present disclosure relates to a method for detecting dystrophin, utrophin or dystrophin related protein (e.g., dystroglycan) in a cell. In certain embodiments, the method includes detecting dystrophin, utrophin or dystrophin related protein (e.g., dystroglycan) in a cell transfected with the saRNA, the isolated polynucleotide, or the composition comprising the saRNA as disclosed herein in the present disclosure. In certain embodiments, the method disclosed herein can be applied in detecting a specific sub-group of subjects suffering from a disorder or condition induced by insufficient expression of dystrophin, a dystrophin gene mutation, and/or low functional dystrophin levels in an individual. As alternative embodiments of the method disclosed herein, the method can be used in efficacy or safety monitoring of the aforementioned subjects treated by the saRNA, nucleic acid or isolated polynucleotide encoding the saRNA, composition, or medicament of the present disclosure.

[158] In certain embodiments, a baseline measurement is obtained from a biological sample, as defined herein, obtained from an individual prior to administering the therapy described herein. In certain embodiments, a baseline expression of the dystrophin or *DMD* gene is the expression of the dystrophin or *DMD* gene obtained from a biological sample prior to administering the saRNA described herein. In certain embodiments, a baseline expression of the utrophin or *UTRN* gene is the expression of the utrophin or *UTRN* gene obtained from a biological sample prior to administering the saRNA described herein. In

certain embodiments, the biological sample is peripheral blood cells, plasma, muscle cells, serum, skin tissue, cerebrospinal fluid (CSF).

[159] In some embodiments, the saRNA provided herein activates the amount of functional utrophin in a cell as compared to the baseline measurement aforementioned, by at least 10% (e.g., at least 20%, at least 30%, at least 40%, at least 50%, at least 60%, at least 70%, at least 80%, at least 90%, at least 100%, at least 150%, at least 200%, at least 300%, at least 500%, at least 800%, at least 1000%, at least 2000%, or at least 5000%).

[160] In some embodiments, the saRNA shows a greater than additive effect or synergy in the treatment, prevention, delaying progression and/or amelioration of diseases caused by the dystrophin gene mutation. In some embodiments, the saRNA shows a greater than additive effect or synergy in the protection of cells implicated in the pathophysiology of the disease, particularly for the treatment, prevention, delaying progression and/or amelioration DDD (e.g., DMD or BMD).

[161] Another aspect of the present disclosure relates to a method for activating/up-regulating expression of *UTRN* gene in a cell comprising: administering the saRNA, or the isolated polynucleotide, or the composition of the embodiments disclosed herein. In some embodiments, the saRNA, or the isolated polynucleotide, or the composition is introduced directly into the cell. In some embodiments, the saRNA of the embodiments disclosed herein is produced in the cell after a nucleotide sequence encoding the saRNA is introduced into the cell. In some embodiments, the cell disclosed herein is a mammalian cell, for example a human cell.

[162] Another aspect of the present disclosure relates to a method for increasing a level of utrophin in a cell or a level of functional utrophin in muscle of a subject, comprising introducing an effective amount of the saRNA, the nucleic acid or polynucleotide encoding the saRNA, or the composition of the embodiments disclosed herein into the cell or subject.

Kit

[163] Another aspect of the present disclosure relates to a kit for performing the method for increasing a level of utrophin in a cell or a level of functional utrophin in muscle, comprising the saRNA disclosed herein. In certain embodiments, the kit further comprises means for administering said saRNA to an individual. In certain embodiments, the kit is in a labeled package and the label on said package indicates that the saRNA or the composition can be used in preventing or treating a disease or condition induced by insufficient expression of dystrophin, a dystrophin gene mutation, and/or low functional dystrophin levels in an individual, or against DDD, e.g., DMD or BMD.

[164] A "kit" as used herein, typically defines a package, assembly, or container (such as an insulated container) including one or more of the components or embodiments of the disclosure, and/or other components associated with the disclosure, for example, as previously described. Any of the agents or components of the kit may be provided in liquid form (e.g., in solution), or in solid form (e.g., a dried powder, frozen, etc.).

[165] In additional embodiments, a kit can include instructions or instructions to a website or other source in any form that are provided for using the kit in connection with the components and/or methods described herein. For instance, the instructions may include instructions for the use, modification, mixing, diluting, preserving, assembly, storage, packaging, and/or preparation of the components and/or other components associated with the kit. In some cases, the instructions may also include instructions for the delivery of the components, for example, for shipping or storage at room temperature, sub-zero temperatures, cryogenic temperatures, etc. The instructions may be provided in any form that is useful to the user of the kit, such as written or oral (e.g., telephonic), digital, optical, visual (e.g., videotape, DVD, etc.) and/or electronic communications (including Internet or web-based communications), provided in any manner.

[166] Another aspect of the present disclosure relates to a kit for detecting dystrophin, utrophin or dystrophin related protein (e.g., dystroglycan) in a cell. In certain embodiments, the kit is for detecting dystrophin, utrophin or dystrophin related protein (e.g., dystroglycan) in a cell transfected with any one or more of the saRNA disclosed herein, or the isolated polynucleotide, or the composition disclosed herein. Also provided herein is a kit for increasing a level of utrophin in a cell.

Particular embodiments

[167] The present disclosure provides the following particular embodiments:

[168] Embodiment 1 is a small activating RNA (saRNA) comprising an oligonucleotide sequence having a length ranging from 16 to 35 consecutive nucleotides, wherein the oligonucleotide sequence comprises a continuous nucleotide sequence having at least 75%, at least 80%, at least 85%, or at least 90% homology or complementarity to an equal length portion of SEQ ID NO:1200, wherein the saRNA upregulates the expression of *UTRN* gene by at least 10% as compared to baseline expression of the *UTRN* gene.

[169] Embodiment 2 is the saRNA of embodiment 1, wherein the equal length portion of SEQ ID NO:1200 is located in the region -636 to -496 (SEQ ID NO:1207), region -351 to -294 (SEQ ID NO:1208), region -236 to -187 (SEQ ID NO:1209), or region -101 to -65 (SEQ ID NO:1210) upstream of the transcription start site of *UTRN* gene.

[170] Embodiment 3 is the saRNA of any one of embodiments 1-2, wherein the saRNA (1) has a GC content between 35% and 70%; (2) with less than 5 consecutive identical nucleotides; (3) with 3 or less dinucleotide repeats; and (4) with 3 or less trinucleotide repeats.

[171] Embodiment 4 is the saRNA of any one of embodiments 1-3, wherein the saRNA comprises a sense strand and an antisense strand.

[172] Embodiment 5 is the saRNA of any one of embodiments 1-4, wherein the oligonucleotide sequence is the sense strand or the antisense strand of the saRNA.

[173] Embodiment 6 is the saRNA of any one of embodiments 1-5, wherein the sense strand and the antisense strand each comprise complementary regions, wherein the complementary regions of the sense strand and the antisense strand form a double-stranded nucleic acid structure.

[174] Embodiment 7 is the saRNA of any one of embodiments 4-6, wherein the sense strand and the antisense strand have a complementarity of at least 90%.

[175] Embodiment 8 is the saRNA of embodiment 4, wherein the sense strand and the antisense strand are located on two different nucleic acid strands.

[176] Embodiment 9 is the saRNA of embodiment 4, wherein the sense strand and the antisense strand are located on a contiguous nucleic acid strand, optionally a hairpin single-stranded nucleic acid molecule, wherein the complementary regions of the sense strand and the antisense strand form a double-stranded nucleic acid structure.

[177] Embodiment 10 is the saRNA of embodiment 4, wherein at least one of the sense strand and the antisense strand comprises a 3' overhang ranging from 0 to 6 nucleotides in length.

[178] Embodiment 11 is the saRNA of embodiment 10, wherein the sense strand and the antisense strand comprise a 3' overhang of ranging from 2 to 3 nucleotides in length.

[179] Embodiment 12 is the saRNA of embodiment 10, wherein at least one of the nucleotides of the overhang is nucleotides selected from or complementary to the corresponding nucleotides on the *UTRN* gene.

[180] Embodiment 13 is the saRNA of any of embodiments 4-12, wherein the sense strand and the antisense strand independently comprise a length of about 16 to about 35, about 17 to about 30, about 18 to about 25, or about 19 to about 22 consecutive nucleotides.

[181] Embodiment 14 is the saRNA of any one of embodiments 4-12, wherein the sense strand has at least 75% sequence homology to a nucleotide sequence selected from SEQ

ID NOs: 400-797, and the antisense strand has at least 75% sequence homology to a nucleotide sequence selected from SEQ ID NOs: 800-1197.

[182] Embodiment 15 is the saRNA of embodiment 14, wherein the sense strand comprises a nucleotide sequence selected from SEQ ID NOs: 400-797, and the antisense strand comprises a nucleotide sequence selected from SEQ ID NOs: 800-1197.

[183] Embodiment 16 is the saRNA of embodiment 1, wherein the oligonucleotide sequence has at least 75% sequence homology or complementarity to a nucleotide sequence selected from SEQ ID NOs: 1-398.

[184] Embodiment 17 is the saRNA of embodiment 4, wherein the sense strand has at least 75% sequence homology to a nucleotide sequence selected from SEQ ID NOs: 1-398.

[185] Embodiment 18 is the saRNA of embodiment 4, wherein the antisense strand has at least 75% sequence complementarity to a nucleotide sequence selected from SEQ ID NOs: 1-398.

[186] Embodiment 19 is the saRNA of any of embodiments 1-18, wherein at least one nucleotide of the saRNA is a chemically modified nucleotide.

[187] Embodiment 20 is the saRNA of embodiment 19, wherein at least one nucleotide of the antisense and/or sense strand of the saRNA is chemically modified.

[188] Embodiment 21 is the saRNA of embodiment 19, wherein the chemically modified nucleotide is a nucleotide with at least one the following modifications:

a) modification of a phosphodiester bond connecting nucleotides in the nucleotide sequence of the saRNA;
b) modification of 2'-OH of a ribose in the nucleotide sequence of the saRNA; and
c) modification of a base in the nucleotide sequence of the saRNA.

[189] Embodiment 22 is the saRNA of embodiment 19, wherein at least one nucleotide of the saRNA is a locked nucleic acid, an abasic nucleotide, a 2′-amino-modified nucleotide, a 2′-alkyl-modified nucleotide, a morpholino nucleotide, a phosphoramidate, or a non-natural base comprising nucleotide.

[190] Embodiment 23 is the saRNA of embodiment 19, wherein the chemical modification of the at least one chemically modified nucleotide is an addition of a (*E*)-vinylphosphonate moiety at the 5' end of the sense strand or the antisense strand.

[191] Embodiment 24 is the saRNA of any one of embodiments 1-23 wherein the sense strand or the antisense strand of the saRNA is conjugated to one or more conjugation moieties selected from a lipid, a fatty acid, a fluorophore, a ligand, a saccharide, a peptide, and an antibody.

[192] Embodiment 25 is the saRNA of embodiment 24, wherein the sense strand or the antisense strand of the saRNA is conjugated to one or more conjugation moieties selected from a cell-penetrating peptide, polyethylene glycol, an alkaloid, a tryptamine, a benzimidazole, a quinolone, an amino acid, a cholesterol, glucose, and N-acetylgalactosamine, and any combinations thereof.

[193] Embodiment 26 is an oligonucleotide modulator comprising one or more saRNA according to any one of embodiments 1-25.

[194] Embodiment 27 is the oligonucleotide modulator of embodiment 26, further comprising one or more moieties or components conjugated, combined or bonded with said saRNA(s).

[195] Embodiment 28 is the oligonucleotide modulator of embodiment 27, wherein the sense strand and/or the antisense strand of the saRNA is conjugated to one or more conjugation moieties selected from the group consisting of a lipid, a fatty acid, a fluorophore, a ligand, a saccharide, a peptide, and an antibody.

[196] Embodiment 29 is the oligonucleotide modulator of embodiment 27, wherein the conjugation moiety is each independently selected from a lipid, a cell-penetrating peptide, a polyethylene glycol, an alkaloid, a tryptamine, a benzimidazole, a quinolone, an amino acid, a cholesterol, a glucose, a N-acetylgalactosamine, and any combinations thereof.

[197] Embodiment 30 is the oligonucleotide modulator of embodiment 26, wherein the oligonucleotide modulator further comprises a saRNA conjugated to or combined with one or more of other active moieties for *UTRN* associated diseases or disorder treatment, wherein the one or more of other active moieties are each independently selected from a saRNA, a single-stranded oligonucleotide, a chemical moiety, a polypeptide and an antibody.

[198] Embodiment 31 is an isolated polynucleotide, wherein the isolated polynucleotide comprises the continuous nucleotide sequence of embodiment 1.

[199] Embodiment 32 is the isolated polynucleotide of embodiment 31, wherein the isolated polynucleotide is a nucleic acid sequence selected from SEQ ID NOs:1-398.

[200] Embodiment 33 is an isolated oligonucleotide complex comprising the antisense strand of the saRNA of any of embodiments 1-25 and the isolated polynucleotide of any of embodiments 31-32.

[201] Embodiment 34 is the isolated oligonucleotide complex of embodiment 33, wherein the isolated oligonucleotide complex activates the expression of *UTRN* gene by at least 10% as compared to baseline expression of the *UTRN* gene.

[202] Embodiment 35 is an isolated nucleic acid sequence upstream of the transcription start site of *UTRN* gene, wherein the isolated nucleic acid sequence is selected from SEQ ID NOs:1207-1210.

[203] Embodiment 36 is the isolated nucleic acid sequence of embodiment 35, wherein the isolated nucleic acid sequence comprises the isolated polynucleotide of any one of embodiments 31-32.

[204] Embodiment 37 is the isolated nucleic acid sequence of embodiment 35, wherein at least 25% of designed saRNA targeting the isolated nucleic acid sequence can activate the expression of *UTRN* gene by at least 10%, wherein the designed saRNA (1) having a GC content between 35% and 70%; (2) with less than 5 consecutive identical nucleotides; (3) with 3 or less dinucleotide repeats; and (4) with 3 or less trinucleotide repeats.

[205] Embodiment 38 is an isolated nucleic acid complex comprising the antisense strand of the saRNA of any of embodiments 1-25 and the sense strand of the isolated nucleic acid sequence of any of embodiments 35-37.

[206] Embodiment 39 is the isolated nucleic acid complex of embodiment 38, wherein the isolated nucleic acid complex activates the expression of *UTRN* gene by at least 10% as compared to baseline expression of the *UTRN* gene.

[207] Embodiment 40 is an isolated polynucleotide encoding the saRNA of any one of embodiments 1-25.

[208] Embodiment 41 is the isolated polynucleotide of embodiment 40, wherein the isolated polynucleotide is a DNA.

[209] Embodiment 42 is a vector comprising the isolated polynucleotide of any one of embodiments 40-41.

[210] Embodiment 43 is a host cell comprising the saRNA of any one of embodiments 1-25, the isolated polynucleotide of any one of embodiments 40-41, or the vector of embodiment 42.

[211] Embodiment 44 is a composition comprising the saRNA of any one of embodiments 1-25, or the isolated polynucleotide of embodiment 40 or embodiment 41 and optionally, a pharmaceutically acceptable carrier.

[212] Embodiment 45 is the composition of embodiment 44, wherein the pharmaceutically acceptable carrier is selected from the group consisting of an aqueous carrier, a liposome, a high-molecular polymer, a polypeptide and an antibody.

[213] Embodiment 46 is the composition of embodiment 44 or 45, wherein the composition comprises 0.001-200 nM of the saRNA.

[214] Embodiment 47 is the composition of embodiment 46, wherein the composition comprises 1-200 nM of the saRNA.

[215] Embodiment 48 is an saRNA comprising an oligonucleotide sequence with a length ranging from 16 to 35 continuous nucleotides for activating/upregulating *UTRN* gene expression in a cell, wherein the oligonucleotide sequence has at least 75%, or at least 80%, or at least 85%, or at least 90% sequence homology or complementary to an equal length portion of SEQ ID NO:1200, wherein the saRNA activates the expression of *UTRN* gene by at least 10% as compared to its baseline expression.

[216] Embodiment 49 is the saRNA of embodiment 48, wherein the equal length region of SEQ ID NO:1200 is located in the region -636 to -496 (SEQ ID NO:1207), region -351 to -294 (SEQ ID NO:1208), region -236 to -187 (SEQ ID NO:1209), or region -101 to -65 (SEQ ID NO:1210) upstream of the transcription start site of *UTRN* gene.

[217] Embodiment 50 is the saRNA of embodiment 49, wherein the saRNA comprises a sense strand and an antisense strand, wherein the sense strand comprises a nucleotide sequence selected from SEQ ID NOs: 400-797, and the antisense strand comprises or is a nucleotide sequence selected from SEQ ID NOs: 800-1197.

[218] Embodiment 51 is a product for activating/up-regulating *UTRN* gene expression in a cell, wherein the product activates the expression of *UTRN* gene by at least 10% as compared to baseline expression of the *UTRN* gene, and wherein the product comprises an active substance selected from one or more of the saRNA of any one of embodiments 1-25, the isolated polynucleotide of any one of embodiments 40-41, the vector of embodiment 42, or the composition of any one of embodiments 44-47.

[219] Embodiment 52 is the product for activating/up-regulating *UTRN* gene expression in a cell, wherein the active substance is introduced directly into the cell; and/or

wherein the cell is *in vitro*, *ex vivo* or *in vivo*; and/or

wherein the cell is a mammalian cell.

[220] Embodiment 53 is the product of embodiment 52, wherein the active substance is introduced directly into the cell by:

1) composing the active substance with a physiologically acceptable or pharmaceutically acceptable carrier, such as one or more selected from the group consisting of an aqueous carrier, a liposome, a high-molecular polymer, a polypeptide and an antibody, and/or

2) conjugating the active substance to one or more conjugation moieties, such as one or more selected from a lipid, a cell-penetrating peptide, a polyethylene glycol, an alkaloid, a tryptamine, a benzimidazole, a quinolone, an amino acid, a cholesterol, a

glucose, and a N-acetylgalactosamine, and any combinations thereof (for example two conjugation moieties wherein one is a lipid and the other is a N-acetylgalactosamine).

[221] Embodiment 54 is the product of embodiment 53, wherein the conjugation moiety is independently derived from a fluorophore, a ligand, a saccharide, a peptide, and an antibody.

[222] Embodiment 55 is the product for activating/up-regulating *UTRN* gene expression in a cell, wherein the cell is from a patient suffering from or in risk of having a disease or condition induced by insufficient expression of the UTRN protein, a *UTRN* gene mutation, and/or low functional UTRN levels, wherein the active substance is administered in a sufficient amount to prevent or treat the disease or condition, such as Duchenne muscular dystrophy (DMD) or Becker muscular dystrophy (BMD).

[223] Embodiment 56 is a method for preventing or treating a disease or condition induced by insufficient expression of dystrophin, a dystrophin gene mutation, and/or low functional dystrophin levels in an individual comprising: administering an effective amount of the saRNA of any one of embodiments 1-25, the isolated polynucleotide of any one of embodiments 40-41, the vector of embodiment 42, or the composition of any one of embodiments 44-46 to the individual.

[224] Embodiment 57 is the method of embodiment 56, wherein the disease or condition is a dystrophin deficiency disorder (DDD).

[225] Embodiment 58 is the method of embodiment 56, wherein the disease or condition is a Duchenne muscular dystrophy (DMD) or Becker muscular dystrophy (BMD).

[226] Embodiment 59 is the method of embodiment 56, wherein the individual is a mammal, optionally wherein the individual is a human.

[227] Embodiment 60 is the method of embodiment 56, wherein the individual suffers from a symptom induced by insufficient expression of dystrophin, a dystrophin gene mutation, and/or low functional dystrophin levels in an individual.

[228] Embodiment 61 is the method of embodiment 56, wherein the saRNA of any one of embodiments 1-25, the isolated polynucleotide of any one of embodiments 40-41, the vector of embodiment 42, or the composition of any one of embodiments 44-47 is administrated to an individual by an administration pathway selected from one or more of: parenteral infusions, oral administration, intranasal administration, inhaled administration, vaginal administration, and rectal administration.

[229] Embodiment 62 is the method of embodiment 61, wherein the administration pathway is selected from one or more of intrathecal, intramuscular, intravenous,

intraarterial, intraperitoneal, intravesical, intracerebroventricular, intravitreal and subcutaneous administrations.

[230] Embodiment 63 is the method of embodiment 56, wherein the method activates/up-regulates expression of the *UTRN* gene mRNA in the individual by at least 10% as compared to baseline expression of the *UTRN* gene.

[231] Embodiment 64 is the method of embodiment 56, wherein the method increases a level of utrophin in the individual by at least 10% as compared to baseline expression of the *UTRN* gene.

[232] Embodiment 65 is a method for detecting dystrophin, utrophin or dystrophin related protein (e.g., dystroglycan) in the host cell of embodiment 43.

[233] Embodiment 66 is a kit for performing the method of embodiment 56, comprising a) saRNA of any one of embodiments 1-25.

[234] Embodiment 67 is the kit of embodiment 66, wherein the kit comprises b) instructions for use, and c) optionally, means for administering the saRNA of any one of embodiments 1-25 to an individual.

[235] Embodiment 68 is a kit comprising the saRNA of any one of embodiments 1-25, the isolated polynucleotide of any one of embodiments 40-41, the vector of embodiment 42, or the composition of any one of embodiments 44-47 in a labeled package and the label on package indicates that the saRNA, the isolated polynucleotide, the vector or the composition can be used in preventing or treating a disease or condition induced by insufficient expression of dystrophin, or against Duchenne muscular dystrophy (DMD) or Becker muscular dystrophy (BMD).

[236] Embodiment 69 is a kit for detecting dystrophin, utrophin or dystrophin related protein (e.g., dystroglycan) in the host cell of embodiment 43.

[237] Embodiment 70 is use of the saRNA of any one of embodiments 1-25, the isolated polynucleotide of any one of embodiments 40-41, the vector of embodiment 42, or the composition of any one of embodiments 44-47 in preparing a medicament for preventing or treating a disease or condition induced by insufficient expression of dystrophin, a dystrophin gene mutation, and/or low functional dystrophin levels in an individual.

[238] Embodiment 71 is the use of embodiment 70, wherein the disease or condition is a Duchenne muscular dystrophy (DMD) or Becker muscular dystrophy (BMD).

[239] Embodiment 72 is the use of embodiment 70, wherein the individual is a mammal, optionally wherein the mammal is a human.

[240] Embodiment 73 is use of the saRNA of any one of embodiments 1-25, the isolated polynucleotide of any one of embodiments 40-41, the vector of embodiment 42, or the composition of any one of embodiments 44-47 in preparing a preparation for activating/up-regulating expression of *UTRN* gene in a cell.

[241] Embodiment 74 is the use of embodiment 73, wherein the saRNA of any one of embodiments 1-25, or the isolated polynucleotide of any one of embodiments 40-41, the vector of embodiment 42, or the composition of any one of embodiments 44-47 is directly introduced into the cell.

[242] Embodiment 75 is the use of embodiment 74, wherein the saRNA is produced in the cell after a nucleotide sequence encoding the saRNA is introduced into the cell.

[243] Embodiment 76 is the use of any of embodiments 73-75, wherein the cell is a mammalian cell, optionally wherein the mammalian cell is a human cell.

[244] Embodiment 77 is the use of embodiment 76, wherein the cell is in a human body.

[245] Embodiment 78 is the use of embodiment 77, wherein the human body is a subject suffering from a symptom induced by the insufficient expression of dystrophin, a dystrophin gene mutation, and/or low functional dystrophin levels in an individual, wherein the saRNA, the isolated polynucleotide or the composition is administered in a sufficient amount to treat the symptom.

[246] Embodiment 79 is the use of embodiment 78, wherein the symptom induced by insufficient expression of dystrophin is a Duchenne muscular dystrophy (DMD) or Becker muscular dystrophy (BMD).

[247] Embodiment 80 is a method for activating/up-regulating expression of *UTRN* gene in a cell comprising: administering an effective amount of the saRNA of any one of embodiments 1-25, the isolated polynucleotide of any one of embodiments 40-41, the vector of embodiment 42, or the composition of any one of embodiments 44-47 to the cell.

[248] Embodiment 81 is the method of embodiment 80, wherein the saRNA of any one of embodiments 1-25, the isolated polynucleotide of any one of embodiments 40-41, the vector of embodiment 42, or the composition of any one of embodiments 44-47 is introduced directly into the cell.

[249] Embodiment 82 is the method of embodiment 81, wherein the method, for introducing directly into the cell, comprises:

1) composing the saRNA of any one of embodiments 1-25, the isolated polynucleotide of any one of embodiments 40-41, the vector of embodiment 42, or the saRNA in the composition of any one of embodiments 44-47 with a pharmaceutically acceptable

carrier selected from the group consisting of an aqueous carrier, a liposome, a high-molecular polymer, a polypeptide and an antibody, and

2) conjugating the saRNA of any one of embodiments 1-25, the isolated polynucleotide of any one of embodiments 40-41, the vector of embodiment 42, or the saRNA in the composition of any one of embodiments 44-47 to one or more conjugation moieties selected from a cell-penetrating peptide, polyethylene glycol, an alkaloid, a tryptamine, a benzimidazole, a quinolone, an amino acid, a cholesterol, glucose, and N-acetylgalactosamine.

[250] Embodiment 83 is the method of any of embodiments 80-82, wherein the cell is a mammalian cell, for example a cell from a human body.

[251] Embodiment 84 is the method of embodiment 83, wherein the human body is a subject suffering from a symptom induced by insufficient expression of dystrophin, a dystrophin gene mutation, and/or low functional dystrophin levels in an individual, wherein the saRNA, the isolated polynucleotide or the composition is administered in a sufficient amount to treat the symptom.

[252] Embodiment 85 is the method of embodiment 84, wherein the symptom caused by insufficient expression of dystrophin is Duchenne muscular dystrophy (DMD) or Becker muscular dystrophy (BMD).

[253] Embodiment 86 is a method for increasing a level of utrophin in a cell, comprising introducing an effective amount of the saRNA of any one of embodiments 1-25, the isolated polynucleotide of any one of embodiments 40-41, the vector of embodiment 42, or the saRNA in the composition of any one of embodiments 44-47 into the cell, wherein the saRNA, the isolated polynucleotide or the composition activates expression of *UTRN* gene by at least 10% as compared to baseline expression of the *UTRN* gene.

EXAMPLES

[254] The present disclosure will be further illustrated with reference to specific examples and drawings below. It should be understood that these examples are merely intended to illustrate the present disclosure rather than limit the scope of the present disclosure. In the following examples, study methods without specific conditions were generally in accordance with conventional conditions, such as conditions described in Sambrook, et al., Molecular Cloning: Laboratory Manual (New York: Cold Spring Harbor Laboratory Press, 1989), or conditions recommended by the manufacturer.

Materials and Methods

dsRNA synthesis

[255] The present disclosure provides a method for preparing the oligonucleotide modulator (dsRNA), which comprises sequence design and synthesis.

[256] dsRNAs can be chemically synthesized or can be obtained from a biotechnology company specialized in nucleic acid synthesis. Generally speaking, chemical synthesis of nucleic acids comprises the following four steps: a) synthesis of oligomeric ribonucleotides; b) deprotection; c) purification and isolation; d) desalination and annealing. For example, the specific steps for chemically synthesizing dsRNAs described are as follows:

a) Synthesis of oligomeric ribonucleotides

[257] Synthesis of 1μM RNA was set in an automatic DNA/RNA synthesizer (e.g., Applied Biosystems EXPEDITE8909), and the coupling time of each cycle was set as 10 to 15 min. With a solid phase-bonded 5'-O-p-dimethoxytriphenylmethyl-thymidine substrate as an initiator, one base was bonded to the solid phase substrate in the first cycle, and then, in the n^{th} ($19 \geq n \geq 2$) cycle, one base was bonded to the base bonded in the $n\text{-}1^{th}$ cycle. This process was repeated until the synthesis of the whole nucleic acid sequence was completed.

b) Deprotection

[258] The solid phase substrate bonded with the dsRNA was put into a test tube, and 1 mL of a solution of the mixture of ethanol and ammonium hydroxide (volume ratio: 1:3) was added to the test tube. The test tube was then sealed and placed in an incubator, and the mixture was incubated at 25-70 °C for 2 to 30 h. The solution containing the solid phase substrate bonded with the dsRNA was filtered, and the filtrate was collected. The solid phase substrate was rinsed with double distilled water twice (1 mL each time), and the filtrate was collected. The collected eluents were combined and dried under vacuum for 1 to 12 h. Then the solution was added with 1 mL of a solution of tetrabutylammonium fluoride in tetrahydrofuran (1 M), let stand at room temperature for 4 to 12 h, followed by addition of 2 mL of *n*-butanol. Precipitate was collected to give a single stranded crude product of dsRNA by high-speed centrifugation.

c) Purification and isolation

[259] The resulting crude product of dsRNA was dissolved in 2 mL of aqueous ammonium acetate solution with a concentration of 1 mol/mL, and the solution was

separated by a reversed phase C18 column of high-pressure liquid chromatography to give a purified single-stranded product of dsRNA.

d) Desalination and annealing

[260] Salts were removed by gel filtration (size exclusion chromatography). A single sense oligomeric ribonucleic acid strand and a single antisense oligomeric ribonucleic acid strand were mixed into 1 to 2 mL of buffer (10 mM Tris, pH = 7.5-8.0, 50 mM NaCl) at a molar ratio of 1:1. The solution was heated to 95 °C, and was then slowly cooled to room temperature to give a solution containing dsRNA.

Cell culture and treatment

[261] Human malignant embryonic rhabdomyoma cells (RD) (TCHu 45, Center for Excellence in Molecular Cell Science, Chinese Academy of Science, China) were cultured at 37°C with 5% CO_2 in modified DMEM medium (Gibco, Thermo Fisher Scientific, Carlsbad, CA) supplemented with 10% bovine calf serum (Sigma-Aldrich) and 1% penicillin/streptomycin (Gibco). The RD cells were seeded into 96-well plates at 4000 cells/well. saRNAs were individually transfected into the RD cells in each well at 25 nM, or any other concentrations with 0.3 μL of RNAiMAX (Invitrogen, Carlsbad, CA) by following the reverse transfection protocol respectively, and the transfection duration was 3 or 5 days Mock (blank control) was transfected in the absence of an oligonucleotide. dsCon2 (SEQ ID NOs:799 and 1199) was transfected as a non-specific duplex control. DS18-si8 (SEQ ID NOs: 399, 798 and 1198) was a duplex siRNA targeting *UTRN* gene and transfected as a silencing dsRNA control.

RNA isolation and reverse transcription-quantitative polymerase chain reaction (RT-qPCR)

(1) RNA isolation and one-step RT-qPCR

[262] At the end of transfection, medium was discarded and cells were washed with 150 μL of PBS once per well. After discarding the PBS, 100 μL of cell lysis buffer (Power SYBR® Green Cells-to-Ct™ Kit, Life Technologies) was added into each well and incubated at room temperature for 5 min. 0.5 μL of the cell lysis was taken from each well and analyzed by RT-qPCR using One Step TB Green® PrimeScrip™ RT-PCR kit II (Takara, RR086A, Shlga, Japan) in a Roche Lightcycler 480 real-time PCR machine. PCR reactions was prepared using Bravo Automated Liquid Handling Platform (Agilent, US). Each transfection sample was amplified in 3 repeat wells. PCR reaction conditions are shown in Table 2.

Table 2. PCR reaction

Reagent	Volume (μL)
2 × One Step TB Green RT-PCR buffer 4	2.5
PrimeScript™ 1 step enzyme Mix 2	0.2
Forward and Reverse Primers Mix (5 μM)	0.4
dH_2O without RNase	1.6
Crude lysate (RNA)	0.4
Total volume	5.1

[263] The reaction conditions were as follows: reverse transcription reaction (stage 1): 42°C for 5 min, 95°C for 10 sec; PCR reaction (stage 2): 95°C for 5 sec, 59°C for 20 sec, 72°C for 10 sec; 40 cycles of amplification; and melting curve (stage 3). Human *UTRN* gene was amplified as target genes. Geometric means of the mRNA levels of *TBP* and *B2M* were used as an internal reference for RNA loading. Primer sequences are listed in Table 3.

Table 3. Primer sequences for RT-qPCR assay

Primer	Gene	SEQ ID NO	Sequence (5'-3')	Product size (bp)
UTRN F	Human *UTRN*	1201	GCCGTGGCAAAGATCCATTT	126
UTRN R		1202	ACATTATTCAGGTCAGCAAGGG	
TBP F	Human *TBP*	1203	TGCTCACCCACCAACAATTTAG	139
TBP R		1204	TCTGCTCTGACTTTAGCACCTG	
B2M F	Human *B2M*	1205	GATAGTTAAGTGGGATCGAGACAT	95
B2M R		1206	AGCAAGCAAGCAGAATTTGGA	
HPRT1 F	Human *HPRT1*	1211	AAAGATGGTCAAGGTCGCAAG	120
HPRT1 R		1212	TAGTCAAGGGCATATCCTACAAC	

(2) RNA isolation and two-step RT-qPCR

[264] For quantifying mRNA expression in cells, total cellular RNA was isolated from treated cells using an RNeasy Plus Mini kit (Qiagen, Hilden, Germany) according to its manual. The resultant RNA (~1 μg) was reverse transcribed into cDNA by using a PrimeScript ™ RT reagent kit with gDNA Eraser (Takara, RR047A, Shlga, Japan). The resultant cDNA was amplified in a Roche LightCycler 480 Multiwell Plate 384 (Roche, ref: 4729749001, US) using TB Green® Premix Ex Taq™ II (Takara, RR820A, Shlga, Japan) reagents and primers which specifically amplified target genes of interest. Reaction conditions were as follows: reverse transcription reaction (stage 1): 42°C for 5 min, 95°C for 10 sec; PCR reaction (stage 2): 95°C for 5 sec, 60°C for 30 sec, 72°C for 10 sec; 40 cycles of amplification; and melting curve (stage 3). Primer sequences are listed in Table 3. PCR reaction conditions are shown in Table 4 and Table 5.

Table 4: RT reaction

Reaction-1 (Takara, RR047A)	Volume (μL)
5 × gDNA Eraser Buffer	2
gDNA Eraser	1
Total RNA (1 μg) + RNase Free dH2O	7
Total Volume	10
42°C 5 min, store at 4°C	
Reaction-2 (Takara, RR047A)	Volume (μL)
5 × PrimeScript Buffer2	4
PrimeScript RT Enzyme Mix I	1
RT Prime Mix	1
RNase free dH2O	4
Reaction-1	10
Total Volume	20
37°C 15 min, 85°C 5 sec, store at 4°C	

Table 5: RT-qPCR reaction

Reagent (Takara, RR820A)	Volume (μL)
SYBR Premix Ex Taq II (2 ×)	5
PCR Primer (forward + reverse) 5 μM	1
cDNA (RT product)	4
Total	10

[265] To calculate the relative expression level (E_{rel}) of *UTRN* gene in an saRNA-transfected sample relative to control treatment (Mock), the Ct values of the target gene and the two internal reference genes were substituted into Formula I,

$$E_{rel} = 2^{(CtT_m - CtT_s)} / ((2^{(Ct\,R1_m - Ct\,R1_s)} * 2^{(Ct\,R2_m - CtR2_s)})^{(1/2)})$$

(Formula I)

wherein CtT_m was the Ct value of the target gene from the mock-treated sample; CtT_s was the Ct value of the target gene from the saRNA-treated sample; $CtR1_m$ was the Ct value of the internal reference gene 1 from the mock-treated sample; $CtR1_s$ was the Ct value of the internal reference gene 1 from the saRNA-treated sample; $CtR2_m$ was the Ct value of the internal reference gene 2 from the mock-treated sample; and $CtR2_s$ was the Ct value of the internal reference gene 2 from the saRNA-treated sample.

Western blotting

[266] Proteins were harvested from transfected cells using 1× RIPA Buffer including protease inhibitors. The protein concentration was determined by BCA protein assay kits (Beyotime, P0010, Shanghai, China). Protein electrophoresis was performed (10 ug protein/well) with the use of a sodium dodecyl sulfate polyacrylamide gel electrophoresis (SDS-PAGE) gel, which was then transferred to a polyvinylidene difluoride (0.45 μm PVDF) membrane. The membranes were blotted with primary anti-UTRN (Santa Cruz, sc-33700, USA) or anti-α/β-Tubulin (CST, 2148s, USA) antibodies at 4℃ overnight. The membranes were incubated with horseradish peroxidase (HRP)-conjugated secondary antibodies (CST, 7076s, USA) for 1 h at room temperature (RT) after washing with TBST buffer 3 times. Then, the membranes were then washed with TBST buffer three times for 10 min each and analyzed by Image Lab (BIO-RAD, Chemistry Doctm MP Imaging System). Band densities of UTRN protein and α/β-Tubulin were quantified using ImageJ software.

Digital Western blotting

[267] Proteins were harvested from transfected cells using denaturing cell lysis buffer (Invent, SD-001, USA) including protease inhibitors. The protein concentration was determined by BCA protein assay kits. Proteins were detected and analyzed using Simple Western Automated Western Blot Systems (ProteinSimple, 004-600, USA). Protein electrophoresis was performed (0.1 μg/μl per well) with the use of separation module (ProteinSimple, SW004&SW008, USA) in JESS. The capillaries were blotted with primary anti-Utrophin (Full length) (Leica biosystems, NCL-DRP2, Germany) or anti-α/β-Tubulin (CST, 2148S, USA) antibodies. After that, the capillaries were blotted with HRP conjugated secondary antibodies and signal was detected by detection kit (ProteinSimple, DM001&DM002, USA). Quantitative relative expression levels were calculated based on peak area.

[268] It has been discovered in this disclosure that after being introduced into a cell, the aforementioned saRNA can effectively increase the expression level of *UTRN* mRNA and utrophin protein.

Example 1. Design and synthesis of dsRNAs targeting the human *UTRN* promoter

[269] A 1000-nt coding strand of the promoter sequence (SEQ ID NO: 1200) of human *UTRN* gene was retrieved from the ENSEMBL genome database (www.ensembl.org). This sequence is located immediately upstream of the first nucleotide of UTRN's first

exon (ENST00000433557.1) as annotated by ENSEMBL. However, the 3' part of this sequence also contains the first exon of a NCBI annotated UTRN RefSeq mRNA sequence (NM_007124.3). Therefore, the first nucleotide of NM_007124.3 was regarded as the true TSS (+1 position) and the downstream sequence was regarded as 5' untranslated region (UTR) (Table 6).

Table 6. Putative human *UTRN* promoter sequence (5'-3') (SEQ ID NO: 1200)

```
-666 atttatctct taaaaaaata tcaccctaac tagagacctg ttttgcctaa
-616 ggggacgtga ctcacatttt cggataatct gaataagggg aattgtgtct
-566 gctcgaggca tccattctgg ttcggtctcc ggactcccgg ctcccggcac
-516 gcacggttca ctctggagcg cgcgccccag gccagccaag cgccgagccg
-466 ggctgctgcg ggctgggagg gcgcgcaggg ccggcgctga ttgacggggc
-416 gcgcagtcag gtgacttggg gcgccaagtt cccgacgcgg tggccgcggt
-366 gaccgccgag gcccggcaga cgctgacccg ggaacgtagt ggggctgatc
-316 ttccggaaca aagttgctgg gccggcggcg gcggggcgag agcgccgagg
-266 gggagccgga gcgctgcaga ggcgcgggcc ggagggctgg cgctgatctg
-216 cacccttctc atctggagag cggacccctg gctgcccgga ggcgagcccc
-166 ttcccggggg gtgggggcgg caacgcgcga cccagcggtc ctgcgcccca
-116 ccctccctcc tccgcctcca gcgctcggct ccaacaaagg ggcaggcccg
 -66 cagcggggag gaggaggagg agccgccgaa ggagcgagcc tctctcgcgc
                      +1
 -16 acaaagttgt ggagtcgttt ttcctcggag cagggaagcg ggcagcagca
  35 gccggccgcg ggctttctcc cgccgagggg cgaggaggag cctctggctc
  85 cagaagccga ttggggaatc acggggagcg gcgccccccc tcttttgggt
 135 catttctgca aacggaaaac tctgtagcgt ttggcaaagt tggtgcctgc
 185 gcgccccttc caggtttgcg ctttgactgt tttgtttttg gcggaactac
 235 caggcaggaa gattgcacaa gtaaggggcg ttttcagtcg ggtgtcaatt
 285 tctctttctt tctttctttt tttaaaattt cggttcgtgt ctgcttctcc
```

Note: The bent arrow and the letter in bold face indicate transcription start (TSS) of RefSeq NM_007124.3.

[270] To identify functional dsRNAs capable of activating the expression of *UTRN* gene, a series of 21 nt dsRNA targets were selected on the 1000 bp *UTRN* promoter sequence, starting from -666 bp upstream of the TSS moving toward the TSS by 1 bp each time, and resulting in 985 target sequences. The target sequences were then filtered to keep those which met the following criteria: (1) having a GC content between 35% and 70%; (2) with less than 5 consecutive identical nucleotides; (3) with 3 or less dinucleotide repeats; and (4) with 3 or less trinucleotide repeats. After the filtration, 398 target sequences remained and were used to determine the sense strand sequence of candidate saRNAs, of which 212 targets were on the promoter and 186 on the 5'UTR. Strand composition and sequence of each dsRNA duplex including cognate target site in the *UTRN* promoter are listed in Table 1.

Example 2. High throughput screening of dsRNAs targeting the human *UTRN* promoter

[271] To identify dsRNAs capable of activating *UTRN* transcription, RD cells were transfected with each of the aforementioned 398 dsRNAs with a transfection concentration of 25 nM for 72 hours followed by *UTRN* gene expression analysis via one-step RT-qPCR.

[272] Of the 398 dsRNAs screened, 108 (27.1%) induced UTRN expression, in which 23 (5.8%), 56 (14.1%) and 29 (7.3%) dsRNAs showed high activation (≥1.5 fold), moderate activation (1.2~1.5 fold) and mild activation (1.1~1.2 fold) of *UTRN* mRNA expression, respectively (Table 7).

[273] Of the 212 dsRNAs located on the true promoter, 99 (46.7%) induced *UTRN* expression, in which 20 (9.5%), 52 (24.5%) and 27 (12.7%) showed high activation (≥1.5 fold), moderate activation (1.2~1.5 fold) and mild activation (1.1~1.2 fold) of *UTRN* mRNA expression, respectively (Table 8).

[274] Of the 186 dsRNAs targeting the 5' UTR region, a majority inhibited *UTRN* mRNA expression (FIG.2).

[275] The dsRNAs with activating activity (≥1.1 fold) are exemplified in the present disclosure as "functional saRNAs". Relative changes in *UTRN* mRNA expression caused by saRNA treatment are also summarized in Table 1, while expression data organized by gene induction is plotted in FIG.1.

Table 7. Summary of activity of all screened dsRNAs

dsRNA activity	$\log_2$ value of change in UTRN mRNA (fold)	Number of dsRNAs	Percentage (%)
High activation	≥ 0.49 (1.50) ~ ≤ 1.13 (2.19)	23	5.8
Moderate activation	≥ 0.26 (1.20) ~ < 0.49 (1.50)	56	14.1
Mild activation	≥ 0.13 (1.10) ~ < 0.26 (1.20)	29	7.3
Down regulation/No activation effect	< 0.13 (1.10)	290	72.8
Total		398	100

Table 8. Summary of activity of screened dsRNAs located on promoter only

dsRNA activity	$\log_2$ value of change in UTRN mRNA (fold)	Number of dsRNAs	Percentage (%)
High activation	≥ 0.49 (1.50) ~ ≤ 1.13 (2.19)	20	9.5
Moderate activation	≥ 0.26 (1.20) ~ < 0.49 (1.50)	52	24.5
Mild activation	≥ 0.13 (1.10) ~ < 0.26 (1.20)	27	12.7
Down regulation/No activation effect	< 0.13 (1.10)	113	53.3
Total		212	100

[276] When the dsRNAs were sorted by their location on the human *UTRN* promoter and 5'UTR (FIG. 2), it can be clearly seen that almost half of the dsRNAs targeting the true *UTRN* promoter (-666 ~ -1) induced *UTRN* mRNA expression.

[277] Sorting expression data by target site location within the human *UTRN* promoter revealed four "hotspot regions" that were enriched for dsRNA activity including regions -636 to -496 (H1), -351 to -294 (H2), -236 to -187 (H3) and -101 to -65 (H4) relative to the TSS (FIG.2). Nearly 55% of the targeted sequences of the functional dsRNAs located in the indicated "hotspot regions". Each "hotspot region" corresponding to the promoter sequence is listed in Table 9.

[278] By following the design criteria: (i) GC content between 35-65%; (ii) less than 5 consecutive identical nucleotides; (iii) 3 or less total dinucleotide repeats; and (iv) 3 or less total trinucleotide repeats, it appeared in the present example that at least 25% of designed saRNA targeting the provided hotspot region sequences can activate the expression of *UTRN* gene by at least 10%.

[279] dsRNA duplexes capable of upregulating human *UTRN* expression by 1.1-fold or higher in "hotspot region" H1 (-636 to -496) were as followings:
DS18-0384, DS18-0383, DS18-0382, DS18-0380, DS18-0379,DS18-0378, DS18-0377, DS18-0376, DS18-0375, DS18-0374, DS18-0373, DS18-0372, DS18-0371, DS18-0370, DS18-0368, DS18-0363, DS18-0362, DS18-0358, DS18-0357, DS18-0355, DS18-0354, DS18-0352, DS18-0350, DS18-0349, DS18-0348, DS18-0347, DS18-0345, DS18-0344, DS18-0343, DS18-0335, DS18-0334, DS18-0333, DS18-0332, DS18-0329, DS18-0328, DS18-0327, DS18-0325, DS18-0324, DS18-0323, DS18-0321, DS18-0320, DS18-0315, DS18-0314, DS18-0313, DS18-0312, DS18-0311, DS18-0310, DS18-0308, DS18-0305, DS18-0304, DS18-0301, DS18-0298.

[280] dsRNA duplexes capable of upregulating human *UTRN* expression by 1.1-fold or higher in "hotspot region" H2 (-351 to -294) were as followings:
DS18-0277, DS18-0272, DS18-0271, DS18-0264, DS18-0255, DS18-0253, DS18-0252, DS18-0251, DS18-0248, DS18-0243.

[281] dsRNA duplexes capable of upregulating human *UTRN* expression by 1.1-fold or higher in "hotspot region" H3 (-236 to -187) were as followings:
DS18-0237, DS18-0236, DS18-0234, DS18-0233, DS18-0232, DS18-0231, DS18-0230, DS18-0229, DS18-0228, DS18-0225, DS18-0223, DS18-0222, DS18-0221, DS18-0216, DS18-0211, DS18-0209, DS18-0208, DS18-0207, DS18-0206.

[282] dsRNA duplexes capable of upregulating human *UTRN* expression by 1.1-fold or higher in "hotspot region" H4 (-101 to -65) were as followings:

DS18-0205, DS18-0204, DS18-0202, DS18-0200, DS18-0199, DS18-0198, DS18-0197, DS18-0194, DS18-0193, DS18-0192, DS18-0191, DS18-0189, DS18-0188, DS18-0187.

[283] These results indicated that functional dsRNAs were not randomly distributed on the promoter but were clustered in the specific hotspot regions. Their corresponding DNA sequences are listed in Table 9.

Table 9. Human UTRN dsRNA hotspot regions and their sequences

Hotspot region	Hotspot region sequences on UTRN promoter (5'-3')	SEQ ID NO	Size (nt)
H1 (-636 to -496)	tagagacctgttttgcctaaggggacgtgactcacattttcggataatctgaataagg ggaattgtgtctgctcgaggcatccattctggttcggtctccggactcccggctcccg gcacgcacggttcactctggagcgc	1207	141
H2 (-351 to -294)	gcagacgctgacccgggaacgtagtggggctgatcttccggaacaaagttgctgg gcc	1208	58
H3 (-236 to -187)	ggagggctggcgctgatctgcacccttctcatctggagagcggacccctg	1209	50
H4 (-101 to -65)	ctccagcgctcggctccaacaaaggggcaggcccgca	1210	37

Example 3. saRNA treatment increases the *UTRN* mRNA levels in RD cells

[284] Based on the screening result for *UTRN* induction, the top 38 performing saRNAs (see Table 1) were transfected into RD cells at 25 nM of individual saRNA for 3 days. Then, the transfected RD cells were analyzed for *UTRN* mRNA expression by RT-qPCR. Both dsCon2 and DS18-si8 served as a non-specific duplex control for gene activation and a silencing dsRNA control, respectively. The *UTRN* mRNA expression of individual saRNAs are shown in FIG. 3.

Example 4. saRNA treatment increases the utrophin protein levels in RD cells

[285] A subset of the top performers (18 saRNAs) was transfected into RD cells at 25 nM concentrations to quantify the utrophin protein after 5 days by Western blotting. Both dsCon2 and DS18-si8 served as a non-specific duplex control for gene activation and a silencing dsRNA control, respectively. FIG.4 summarizes relative fold changes of utrophin levels derived from quantifying the band intensity.

Example 5. Impact of saRNA structure and sequence on saRNA activity *in vitro*

[286] To assess impact of duplex structure and sequence specificity on saRNA activity, a series of saRNA variants were synthesized based on three of best performers (*i.e.*, DS18-0198, DS18-0305 and DS18-0324) for activating human *UTRN* mRNA (FIG.5) and utrophin protein (FIG.6A-B). Table 10 lists the sequence composition and design for each saRNA variant. Each duplex was transfected into RD cells for 3 days at 25 nM concentrations. *UTRN* mRNA levels were analyzed via two-step RT-qPCR and utrophin

protein levels were detected by JESS. Treatment with dsCon2 and DS18-si8 served as a non-specific duplex control for gene activation and a silencing dsRNA control, respectively. α/β-Tubulin protein served as a control for protein loading. *UTRN* mRNA levels are shown in FIG.5. Utrophin protein bands are shown in FIG.6A and utrophin protein levels are shown in FIG.6B.

Table 10. Oligonucleotide sequences and duplex compositions of UTRN saRNA variant designs

saRNA	Design	Strand	SEQ ID NO	Sequence (5'-3')	Size (nt)
RD-12031 (DS18-0198)	Original hit from screen	sense	597	GCUCGGCUCCAACAAAGGG**gc**	21
		antisense	997	CCCUUUGUUGGAGCCGAGC**gc**	21
RD-14864	16-bp with TT overhang	sense	1213	GCUCGGCUCCAACAAA**TT**	18
		antisense	1214	UUUGUUGGAGCCGAGC**TT**	18
RD-14865	18-bp with blunt end	sense	1215	GCUCGGCUCCAACAAAGG	18
		antisense	1216	CCUUUGUUGGAGCCGAGC	18
RD-14866	22-nt of sense strand and 20-nt of antisense strand	sense	1217	GCUCGGCUCCAACAAAGGGG**CA**	22
		antisense	1218	CCCCUUUGUUGGAGCCGAGC	20
RD-14867	30-nt of sense strand and 28-nt of antisense strand	sense	1219	GCUCGGCUCCAACAAAGGGGCAGGCCCGC**A**	30
		antisense	1220	CGGGCCUGCCCCUUUGUUGGAGCCGAGC	28
RD-14868	5 nt "seed" sequence mutation to sense strand	sense	1221	GCUCGGCUCCAACAAAGGGGC	21
		antisense	1222	CCCUUUGUUGGA***C***C***G***G***U***G***G***G	21
RD-14870	1 nt overhang	sense	1223	GCUCGGCUCCAACAAAGGG**G**	20
		antisense	1224	CCCUUUGUUGGAGCCGAGC	19
RD-14871	3 nt overhang	sense	1225	GCUCGGCUCCAACAAAGGG**GCA**	22
		antisense	1224	CCCUUUGUUGGAGCCGAGC	19
RD-14872	5 nt overhang	sense	1226	GCUCGGCUCCAACAAAGGG**GCAGG**	24
		antisense	1224	CCCUUUGUUGGAGCCGAGC	19
RD-12027 (DS18-0305)	Original hit from screen	sense	704	GGCACGCACGGUUCACUCU**gg**	21
		antisense	1104	AGAGUGAACCGUGCGUGCC**gg**	21
RD-14874	19-bp with blunt end	sense	1227	GGCACGCACGGUUCACUCU	19
		antisense	1228	AGAGUGAACCGUGCGUGCC	19
RD-14875	23-nt of sense strand and 25-nt of antisense strand	sense	1229	UCCCGGCACGCACGGUUCACUCU	23
		antisense	1230	AGAGUGAACCGUGCGUGCCGGGA**GC**	25

RD-14876	33-nt of sense strand and 35-nt of antisense strand	sense	1231	GACUCCCGGCUCCCGGCACGCACGGUUCACUCU	33
		antisense	1232	AGAGUGAACCGUGCGUGCCGGGAGCCGGGAGUC**CG**	35
RD-14878	5 nt "seed" sequence mutation to antisense strand	sense	1233	GGCACGGCA**C**GGU***A***C***U***C***A***C***A***G***C***	21
		antisense	1234	AGAGUGAACCGUGCGUGCCGG	21
RD-14879	4 nt overhang	sense	1235	GGCACGGCACGGUUCACUCU	19
		antisense	1236	AGAGUGAACCGUGCGUGCC**GGGA**	23
RD-14880	6 nt overhang	sense	1235	GGCACGGCACGGUUCACUCU	19
		antisense	1237	AGAGUGAACCGUGCGUGCC**GGGAGC**	25
RD-12034 (DS18-0324)	Original hit from screen	sense	723	CUCGAGGGCAUCCAUUCUGG**uu**	21
		antisense	1123	CCAGAAUGGAUGCCUCGAG**ca**	21
RD-14883	16-bp with TT overhang	sense	1238	GAGGCAUCCAUUCUGG**TT**	18
		antisense	1239	CCAGAAUGGAUGCCUC**TT**	18
RD-14884	29-nt of sense strand and 35-nt of antisense strand	sense	1240	AUUGUGUCUGCUCGAGGCAUCCAUUCUGG	29
		antisense	1241	CCAGAAUGGAUGCCUCGAGCAGACACAAUU**CCCCU**	35

Note: upper case, RNA. The nucleotides in bold are overhang. The nucleotides in bold and italic are mismatch.

[287] In summary, the high throughput screening data revealed a plurality of "hotspot regions" for saRNA activity in the promoter of human *UTRN* gene. Exemplary saRNAs increased expression of both *UTRN* mRNA and utrophin protein levels. These results provide evidence that targeted activation of *UTRN* expression is a promising strategy to treat DDD, e.g., DMD and BMD.

Table 1. dsRNA targets, sequences and activity of human *UTRN* saRNAs

dsRNA	SEQ ID NO	Target sequence (5'-3')	SEQ ID NO	Sense (5'-3')	SEQ ID NO	Antisense (5'-3')	Relative UTRN mRNA (fold change)	Relative UTRN mRNA (log2 fold change)
DS18-0001	1	ggttcgtgtctgcttctcc	400	GGUUCGUGUCUGCUUCUCCaa	800	GGAGAAGCAGACACGAACCga	0.38	-1.391
DS18-0002	2	cggttcgtgtctgcttctc	401	CGGUUCGUGUCUGCUUCUCca	801	GAGAAGCAGACACGAACCGaa	0.30	-1.754
DS18-0003	3	tcggttcgtgtctgcttct	402	UCGGUUCGUGUCUGCUUCUcc	802	AGAAGCAGACACGAACCGAaa	0.27	-1.915
DS18-0004	4	ttcggttcgtgtctgcttc	403	UUCGGUUCGUGUCUGCUUCuc	803	GAAGCAGACACGAACCGAAau	0.42	-1.248
DS18-0005	5	tttcggttcgtgtctgctt	404	UUUCGGUUCGUGUCUGCUUcu	804	AAGCAGACACGAACCGAAAuu	0.39	-1.370
DS18-0006	6	atttcggttcgtgtctgct	405	AUUUCGGUUCGUGUCUGCUuc	805	AGCAGACACGAACCGAAAUuu	0.72	-0.468
DS18-0007	7	aatttcggttcgtgtctgc	406	AAUUUCGGUUCGUGUCUGCuu	806	GCAGACACGAACCGAAAUUuu	0.83	-0.262
DS18-0008	8	aaatttcggttcgtgtctg	407	AAAUUUCGGUUCGUGUCUGcu	807	CAGACACGAACCGAAAUUUua	0.39	-1.342
DS18-0009	9	aaaatttcggttcgtgtct	408	AAAAUUUCGGUUCGUGUCUgc	808	AGACACGAACCGAAAUUUUaa	0.86	-0.221
DS18-0010	10	taaaatttcggttcgtgtc	409	UAAAAUUUCGGUUCGUGUCug	809	GACACGAACCGAAAUUUUAaa	1.07	0.095
DS18-0011	11	ggtgtcaatttctctttct	410	GGUGUCAAUUUCUCUUUCUuu	810	AGAAAGAGAAAUUGACACCcg	0.38	-1.406
DS18-0012	12	gggtgtcaatttctctttc	411	GGGUGUCAAUUUCUCUUUCuu	811	GAAAGAGAAAUUGACACCCga	0.34	-1.553
DS18-0013	13	cgggtgtcaatttctcttt	412	CGGGUGUCAAUUUCUCUUUcu	812	AAAGAGAAAUUGACACCCGac	0.56	-0.829
DS18-0014	14	tcgggtgtcaatttctctt	413	UCGGGUGUCAAUUUCUCUUuc	813	AAGAGAAAUUGACACCCGAcu	0.41	-1.287
DS18-0015	15	gtcgggtgtcaatttctct	414	GUCGGGUGUCAAUUUCUCUuu	814	AGAGAAAUUGACACCCGACug	0.49	-1.036
DS18-0016	16	agtcgggtgtcaatttctc	415	AGUCGGGUGUCAAUUUCUCuu	815	GAGAAAUUGACACCCGACUga	0.24	-2.034
DS18-0017	17	cagtcgggtgtcaatttct	416	CAGUCGGGUGUCAAUUUCUcu	816	AGAAAUUGACACCCGACUGaa	0.28	-1.854
DS18-0018	18	tcagtcgggtgtcaatttc	417	UCAGUCGGGUGUCAAUUUCuc	817	GAAAUUGACACCCGACUGAaa	0.65	-0.625
DS18-0019	19	ttcagtcgggtgtcaattt	418	UUCAGUCGGGUGUCAAUUUcu	818	AAAUUGACACCCGACUGAAaa	0.60	-0.727
DS18-0020	20	tttcagtcgggtgtcaatt	419	UUUCAGUCGGGUGUCAAUUuc	819	AAUUGACACCCGACUGAAAac	0.48	-1.057
DS18-0021	21	ttttcagtcgggtgtcaat	420	UUUUCAGUCGGGUGUCAAUuu	820	AUUGACACCCGACUGAAAAcg	0.30	-1.735
DS18-0022	22	gttttcagtcgggtgtcaa	421	GUUUUCAGUCGGGUGUCAAuu	821	UUGACACCCGACUGAAAACgc	0.35	-1.530
DS18-0023	23	cgttttcagtcgggtgtca	422	CGUUUUCAGUCGGGUGUCAau	822	UGACACCCGACUGAAAACGcc	0.35	-1.499
DS18-0024	24	gcgttttcagtcgggtgtc	423	GCGUUUUCAGUCGGGUGUCaa	823	GACACCCGACUGAAAACGCcc	0.25	-1.994
DS18-0025	25	ggcgttttcagtcgggtgt	424	GGCGUUUUCAGUCGGGUGUca	824	ACACCCGACUGAAAACGCCcc	0.23	-2.114

DS18-0026	26	gggcgttttcagtcgggtg	425	GGGCGUUUUUCAGUCGGGUGuc	825	CACCCGACUGAAAAACGCCCcu	0.22	-2.159
DS18-0027	27	ggggcgtttcagtcgggt	426	GGGGCGUUUUUCAGUCGGGUgu	826	ACCCGACUGAAAAACGCCCCuu	0.30	-1.754
DS18-0028	28	aggggcgttttcagtcgggg	427	AGGGGCGUUUUUCAGUCGGGug	827	CCCGACUGAAAAACGCCCCUua	0.41	-1.287
DS18-0029	29	aaggggcgtttcagtcgg	428	AAGGGGCGUUUUUCAGUCGGgu	828	CCGACUGAAAAACGCCCCUUac	0.61	-0.713
DS18-0030	30	taaggggcgttttcagtcg	429	UAAGGGGCGUUUUUCAGUCGGgg	829	CGACUGAAAAACGCCCCUUAcu	0.64	-0.644
DS18-0031	31	gtaaggggcgtttcagtc	430	GUAAGGGGCGUUUUUCAGUCGgg	830	GACUGAAAAACGCCCCUUACuu	0.61	-0.703
DS18-0032	32	agtaaggggcgttttcagt	431	AGUAAGGGGCGUUUUUCAGUCgg	831	ACUGAAAAACGCCCCUUACUug	0.60	-0.738
DS18-0033	33	aagtaaggggcgttttcag	432	AAGUAAGGGGCGUUUUUCAGUcg	832	CUGAAAAACGCCCCUUACUUgu	0.52	-0.957
DS18-0034	34	caagtaaggggcgttttca	433	CAAGUAAGGGGCGUUUUUCAGUc	833	UGAAAAACGCCCCUUACUUGug	0.33	-1.596
DS18-0035	35	acaagtaaggggcgttttc	434	ACAAGUAAGGGGCGUUUUUCAg	834	GAAAAACGCCCCUUACUUGUgc	0.53	-0.909
DS18-0036	36	cacaagtaaggggcgtttt	435	CACAAGUAAGGGGCGUUUUUca	835	AAAACGCCCCUUACUUGUGca	0.47	-1.092
DS18-0037	37	gcacaagtaaggggcgttt	436	GCACAAGUAAGGGGCGUUUUuc	836	AAACGCCCCUUACUUGUGCaa	0.33	-1.597
DS18-0038	38	tgcacaagtaaggggcgtt	437	UGCACAAGUAAGGGGCGUUuu	837	AACGCCCCUUACUUGUGCAau	0.43	-1.203
DS18-0039	39	ttgcacaagtaaggggcgt	438	UUGCACAAGUAAGGGGCGUuu	838	ACGCCCCUUACUUGUGCAAuc	0.69	-0.527
DS18-0040	40	attgcacaagtaaggggcg	439	AUUGCACAAGUAAGGGGCGuu	839	CGCCCCUUACUUGUGCAAUcu	1.26	0.334
DS18-0041	41	gattgcacaagtaaggggc	440	GAUUGCACAAGUAAGGGGCgu	840	GCCCCUUACUUGUGCAAUCuu	0.49	-1.028
DS18-0042	42	agattgcacaagtaagggg	441	AGAUUGCACAAGUAAGGGGcg	841	CCCCUUACUUGUGCAAUCUuc	0.86	-0.214
DS18-0043	43	aagattgcacaagtaaggg	442	AAGAUUGCACAAGUAAGGGgc	842	CCCUUACUUGUGCAAUCUUcc	0.81	-0.310
DS18-0044	44	gaagattgcacaagtaagg	443	GAAGAUUGCACAAGUAAGGgg	843	CCUUACUUGUGCAAUCUUCcu	0.63	-0.666
DS18-0045	45	ggaagattgcacaagtaag	444	GGAAGAUUGCACAAGUAAGgg	844	CUUACUUGUGCAAUCUUCCug	0.36	-1.459
DS18-0046	46	aggaagattgcacaagtaa	445	AGGAAGAUUGCACAAGUAAgg	845	UUACUUGUGCAAUCUUCCUgc	0.63	-0.670
DS18-0047	47	caggaagattgcacaagta	446	CAGGAAGAUUGCACAAGUAag	846	UACUUGUGCAAUCUUCCUGcc	0.37	-1.435
DS18-0048	48	gcaggaagattgcacaagt	447	GCAGGAAGAUUGCACAAGUaa	847	ACUUGUGCAAUCUUCCUGCcu	0.30	-1.742
DS18-0049	49	ggcaggaagattgcacaag	448	GGCAGGAAGAUUGCACAAGua	848	CUUGUGCAAUCUUCCUGCCug	0.34	-1.553
DS18-0050	50	aggcaggaagattgcacaa	449	AGGCAGGAAGAUUGCACAAgu	849	UUGUGCAAUCUUCCUGCCUgg	0.38	-1.396
DS18-0051	51	caggcaggaagattgcaca	450	CAGGCAGGAAGAUUGCACAag	850	UGUGCAAUCUUCCUGCCUGgu	0.28	-1.849
DS18-0052	52	ccaggcaggaagattgcac	451	CCAGGCAGGAAGAUUGCACaa	851	GUGCAAUCUUCCUGCCUGGua	0.43	-1.201
DS18-0053	53	accaggcaggaagattgca	452	ACCAGGCAGGAAGAUUGCAca	852	UGCAAUCUUCCUGCCUGGUag	0.29	-1.788
DS18-0054	54	taccaggcaggaagattgc	453	UACCAGGCAGGAAGAUUGCac	853	GCAAUCUUCCUGCCUGGUAgu	0.75	-0.408

DS18-0055	55	ctaccaggcaggaagattg	454	CUACCAGGCAGGAAGAUUGca	854	CAAUCUUCCUGCCUGGUAGuu	0.54	-0.882
DS18-0056	56	actaccaggcaggaagatt	455	ACUACCAGGCAGGAAGAUUgc	855	AAUCUUCCUGCCUGGUAGUuc	0.45	-1.158
DS18-0057	57	aactaccaggcaggaagat	456	AACUACCAGGCAGGAAGAUug	856	AUCUUCCUGCCUGGUAGUUcc	0.52	-0.957
DS18-0058	58	gaactaccaggcaggaaga	457	GAACUACCAGGCAGGAAGAuu	857	UCUUCCUGCCUGGUAGUUCcg	0.32	-1.632
DS18-0059	59	ggaactaccaggcaggaag	458	GGAACUACCAGGCAGGAAGau	858	CUUCCUGCCUGGUAGUUCCgc	0.38	-1.410
DS18-0060	60	cggaactaccaggcaggaa	459	CGGAACUACCAGGCAGGAAga	859	UUCCUGCCUGGUAGUUCCGcc	0.49	-1.018
DS18-0061	61	gcggaactaccaggcagga	460	GCGGAACUACCAGGCAGGAag	860	UCCUGCCUGGUAGUUCCGCca	1.05	0.077
DS18-0062	62	ggcggaactaccaggcagg	461	GGCGGAACUACCAGGCAGGaa	861	CCUGCCUGGUAGUUCCGCCaa	0.46	-1.131
DS18-0063	63	tggcggaactaccaggcag	462	UGGCGGAACUACCAGGCAGga	862	CUGCCUGGUAGUUCCGCCAaa	0.44	-1.178
DS18-0064	64	ttggcggaactaccaggca	463	UUGGCGGAACUACCAGGCAgg	863	UGCCUGGUAGUUCCGCCAAaa	0.45	-1.142
DS18-0065	65	tttggcggaactaccaggc	464	UUUGGCGGAACUACCAGGCag	864	GCCUGGUAGUUCCGCCAAAaa	1.02	0.025
DS18-0066	66	ttttggcggaactaccagg	465	UUUUGGCGGAACUACCAGGca	865	CCUGGUAGUUCCGCCAAAAac	1.16	0.216
DS18-0067	67	cgctttgactgttttgttt	466	CGCUUUGACUGUUUUGUUUuu	866	AAACAAAACAGUCAAAGCGCca	0.34	-1.553
DS18-0068	68	gcgctttgactgttttgtt	467	GCGCUUUGACUGUUUUGUUuu	867	AACAAAACAGUCAAAGCGCaa	0.29	-1.777
DS18-0069	69	tgcgctttgactgttttgt	468	UGCGCUUUGACUGUUUUGUuu	868	ACAAAACAGUCAAAGCGCAaa	0.37	-1.442
DS18-0070	70	ttgcgctttgactgttttg	469	UUGCGCUUUGACUGUUUUGuu	869	CAAAACAGUCAAAGCGCAAac	0.40	-1.317
DS18-0071	71	tttgcgctttgactgtttt	470	UUUGCGCUUUGACUGUUUUgu	870	AAAACAGUCAAAGCGCAAAcc	0.33	-1.594
DS18-0072	72	gtttgcgctttgactgttt	471	GUUUGCGCUUUGACUGUUUUug	871	AAACAGUCAAAGCGCAAACcu	0.26	-1.934
DS18-0073	73	ggtttgcgctttgactgtt	472	GGUUUGCGCUUUGACUGUUUuu	872	AACAGUCAAAGCGCAAACCug	0.34	-1.548
DS18-0074	74	aggtttgcgctttgactgt	473	AGGUUUGCGCUUUGACUGUUuu	873	ACAGUCAAAGCGCAAACCUgg	0.44	-1.190
DS18-0075	75	caggtttgcgctttgactg	474	CAGGUUUGCGCUUUGACUGuu	874	CAGUCAAAGCGCAAACCUGga	0.27	-1.864
DS18-0076	76	ccaggtttgcgctttgact	475	CCAGGUUUGCGCUUUGACUgu	875	AGUCAAAGCGCAAACCUGGaa	0.26	-1.952
DS18-0077	77	tccaggtttgcgctttgac	476	UCCAGGUUUGCGCUUUGACug	876	GUCAAAGCGCAAACCUGGAag	0.62	-0.695
DS18-0078	78	ttccaggtttgcgctttga	477	UUCCAGGUUUGCGCUUUGAcu	877	UCAAAGCGCAAACCUGGAAgg	0.44	-1.182
DS18-0079	79	cttccaggtttgcgctttg	478	CUUCCAGGUUUGCGCUUUGac	878	CAAAGCGCAAACCUGGAAGgg	0.31	-1.673
DS18-0080	80	ccttccaggtttgcgcttt	479	CCUUCCAGGUUUGCGCUUUga	879	AAAGCGCAAACCUGGAAGGgg	0.32	-1.651
DS18-0081	81	cccttccaggtttgcgctt	480	CCCUUCCAGGUUUGCGCUUug	880	AAGCGCAAACCUGGAAGGGgc	0.38	-1.403
DS18-0082	82	cccttccaggtttgcgct	481	CCCCUUCCAGGUUUGCGCUuu	881	AGCGCAAACCUGGAAGGGCcg	0.19	-2.392
DS18-0083	83	gcccttccaggtttgcgc	482	GCCCCUUCCAGGUUUGCGCuu	882	GCGCAAACCUGGAAGGGCGcc	0.34	-1.550

DS18-0084	84	cgccccttccaggtttgcg	483	CGCCCCUUCCAGGUUUGCGcu	883	CGCAAACCUGGAAGGGGCGcg	0.61	-0.719
DS18-0085	85	gcgccccttccaggtttgc	484	GCGCCCCUUCCAGGUUUGCgc	884	GCAAACCUGGAAGGGGCGCgc	0.54	-0.898
DS18-0086	86	cgcgccccttccaggtttg	485	CGCGCCCCUUCCAGGUUUGcg	885	CAAACCUGGAAGGGGCGCGca	0.40	-1.306
DS18-0087	87	caaagttggtgcctgcgcg	486	CAAAGUUGGUGCCUGCGCGcc	886	CGCGCAGGCACCAACUUUGcc	0.71	-0.493
DS18-0088	88	gcaaagttggtgcctgcgc	487	GCAAAGUUGGUGCCUGCGCgc	887	GCGCAGGCACCAACUUUGCca	0.62	-0.689
DS18-0089	89	ggcaaagttggtgcctgcg	488	GGCAAAGUUGGUGCCUGCGcg	888	CGCAGGCACCAACUUUGCCaa	0.52	-0.933
DS18-0090	90	tggcaaagttggtgcctgc	489	UGGCAAAGUUGGUGCCUGCgc	889	GCAGGCACCAACUUUGCCAaa	0.51	-0.985
DS18-0091	91	ttggcaaagttggtgcctg	490	UUGGCAAAGUUGGUGCCUGcg	890	CAGGCACCAACUUUGCCAAac	0.88	-0.181
DS18-0092	92	tttggcaaagttggtgcct	491	UUUGGCAAAGUUGGUGCCUgc	891	AGGCACCAACUUUGCCAAAcg	0.98	-0.027
DS18-0093	93	gtttggcaaagttggtgcc	492	GUUUGGCAAAGUUGGUGCCug	892	GGCACCAACUUUGCCAAACgc	0.44	-1.200
DS18-0094	94	cgtttggcaaagttggtgc	493	CGUUUGGCAAAGUUGGUGCcu	893	GCACCAACUUUGCCAAACGcu	0.60	-0.747
DS18-0095	95	gcgtttggcaaagttggtg	494	GCGUUUGGCAAAGUUGGUGcc	894	CACCAACUUUGCCAAACGCua	0.43	-1.215
DS18-0096	96	agcgtttggcaaagttggt	495	AGCGUUUGGCAAAGUUGGUgc	895	ACCAACUUUGCCAAACGCUac	0.30	-1.755
DS18-0097	97	tagcgtttggcaaagttgg	496	UAGCGUUUGGCAAAGUUGGug	896	CCAACUUUGCCAAACGCUAca	0.81	-0.308
DS18-0098	98	gtagcgtttggcaaagttg	497	GUAGCGUUUGGCAAAGUUGgu	897	CAACUUUGCCAAACGCUACag	0.61	-0.720
DS18-0099	99	tgtagcgtttggcaaagtt	498	UGUAGCGUUUGGCAAAGUUgg	898	AACUUUGCCAAACGCUACAga	0.35	-1.507
DS18-0100	100	ctgtagcgtttggcaaagt	499	CUGUAGCGUUUGGCAAAGUug	899	ACUUUGCCAAACGCUACAGag	0.36	-1.477
DS18-0101	101	tctgtagcgtttggcaaag	500	UCUGUAGCGUUUGGCAAAGuu	900	CUUUGCCAAACGCUACAGAgu	0.50	-1.012
DS18-0102	102	ctctgtagcgtttggcaaa	501	CUCUGUAGCGUUUGGCAAAgu	901	UUUGCCAAACGCUACAGAGuu	0.53	-0.908
DS18-0103	103	actctgtagcgtttggcaa	502	ACUCUGUAGCGUUUGGCAAag	902	UUGCCAAACGCUACAGAGUuu	0.76	-0.404
DS18-0104	104	aactctgtagcgtttggca	503	AACUCUGUAGCGUUUGGCAaa	903	UGCCAAACGCUACAGAGUUuu	0.98	-0.025
DS18-0105	105	aaactctgtagcgtttggc	504	AAACUCUGUAGCGUUUGGCaa	904	GCCAAACGCUACAGAGUUUuc	0.89	-0.175
DS18-0106	106	aaaactctgtagcgtttgg	505	AAAACUCUGUAGCGUUUGGca	905	CCAAACGCUACAGAGUUUUcc	0.44	-1.184
DS18-0107	107	gaaaactctgtagcgtttg	506	GAAAACUCUGUAGCGUUUGgc	906	CAAACGCUACAGAGUUUUCcg	0.42	-1.242
DS18-0108	108	ggaaaactctgtagcgttt	507	GGAAAACUCUGUAGCGUUUgg	907	AAACGCUACAGAGUUUUCCgu	0.45	-1.165
DS18-0109	109	cggaaaactctgtagcgtt	508	CGGAAAACUCUGUAGCGUUug	908	AACGCUACAGAGUUUUCCGuu	0.41	-1.277
DS18-0110	110	acggaaaactctgtagcgt	509	ACGGAAAACUCUGUAGCGUuu	909	ACGCUACAGAGUUUUCCGUuu	0.36	-1.476
DS18-0111	111	aacggaaaactctgtagcg	510	AACGGAAAACUCUGUAGCGuu	910	CGCUACAGAGUUUUCCGUUug	0.57	-0.815
DS18-0112	112	aaacggaaaactctgtagc	511	AAACGGAAAACUCUGUAGCgu	911	GCUACAGAGUUUUCCGUUUgc	0.92	-0.125

DS18-0113	113	caaacggaaaaactctgtag	512	CAAACGGAAAAACUCUGUAGcg	912	CUACAGAGUUUUCCGUUUGca	0.74	-0.440
DS18-0114	114	gcaaacggaaaaactctgta	513	GCAAACGGAAAAACUCUGUAgc	913	UACAGAGUUUUCCGUUUGCag	0.81	-0.311
DS18-0115	115	tgcaaacggaaaaactctgt	514	UGCAAACGGAAAAACUCUGUag	914	ACAGAGUUUUCCGUUUGCAga	0.47	-1.094
DS18-0116	116	ctgcaaacggaaaactctg	515	CUGCAAACGGAAAAACUCUGUa	915	CAGAGUUUUCCGUUUGCAGaa	0.69	-0.538
DS18-0117	117	tctgcaaacggaaaactct	516	UCUGCAAACGGAAAAACUCUGu	916	AGAGUUUUCCGUUUGCAGAaa	0.51	-0.972
DS18-0118	118	ttctgcaaacggaaaactc	517	UUCUGCAAACGGAAAAACUCug	917	GAGUUUUCCGUUUGCAGAAau	1.63	0.702
DS18-0119	119	tttctgcaaacggaaaact	518	UUUCUGCAAACGGAAAAACUcu	918	AGUUUUCCGUUUGCAGAAAug	1.62	0.698
DS18-0120	120	atttctgcaaacggaaaac	519	AUUUCUGCAAACGGAAAAACuc	919	GUUUUCCGUUUGCAGAAAUga	0.96	-0.060
DS18-0121	121	catttctgcaaacggaaaa	520	CAUUUCUGCAAACGGAAAAcu	920	UUUUCCGUUUGCAGAAAUGac	0.32	-1.638
DS18-0122	122	tcatttctgcaaacggaaa	521	UCAUUUCUGCAAACGGAAAac	921	UUUCCGUUUGCAGAAAUGAcc	0.23	-2.150
DS18-0123	123	gtcatttctgcaaacggaa	522	GUCAUUUCUGCAAACGGAAAa	922	UUCCGUUUGCAGAAAUGACcc	0.28	-1.811
DS18-0124	124	ggtcatttctgcaaacgga	523	GGUCAUUUCUGCAAACGGAaa	923	UCCGUUUGCAGAAAUGACCca	0.29	-1.783
DS18-0125	125	gggtcatttctgcaaacgg	524	GGGUCAUUUCUGCAAACGGaa	924	CCGUUUGCAGAAAUGACCCaa	0.56	-0.846
DS18-0126	126	tgggtcatttctgcaaacg	525	UGGGUCAUUUCUGCAAACGga	925	CGUUUGCAGAAAUGACCCAaa	0.97	-0.051
DS18-0127	127	ttgggtcatttctgcaaac	526	UUGGGUCAUUUCUGCAAACgg	926	GUUUGCAGAAAUGACCCAAaa	0.75	-0.408
DS18-0128	128	tttgggtcatttctgcaaa	527	UUUGGGUCAUUUCUGCAAAcg	927	UUUGCAGAAAUGACCCAAAag	0.49	-1.023
DS18-0129	129	ttttgggtcatttctgcaa	528	UUUUGGGUCAUUUCUGCAAac	928	UUGCAGAAAUGACCCAAAAga	0.74	-0.428
DS18-0130	130	cttttgggtcatttctgca	529	CUUUUGGGUCAUUUCUGCAaa	929	UGCAGAAAUGACCCAAAAGaa	0.48	-1.056
DS18-0131	131	tcttttgggtcatttctgc	530	UCUUUUGGGUCAUUUCUGCaa	930	GCAGAAAUGACCCAAAAGAag	0.60	-0.748
DS18-0132	132	ttcttttgggtcatttctg	531	UUCUUUUGGGUCAUUUCUGca	931	CAGAAAUGACCCAAAAGAAgg	0.47	-1.103
DS18-0133	133	cttctttgggtcatttct	532	CUUCUUUUGGGUCAUUUCUgc	932	AGAAAUGACCCAAAAGAAGgg	0.38	-1.392
DS18-0134	134	ccttcttttgggtcatttc	533	CCUUCUUUUGGGUCAUUUCug	933	GAAAUGACCCAAAAGAAGGgg	0.32	-1.624
DS18-0135	135	ccctcttttgggtcattt	534	CCCUUCUUUUGGGUCAUUUcu	934	AAAUGACCCAAAAGAAGGGgg	0.39	-1.371
DS18-0136	136	cccttcttttgggtcatt	535	CCCCUUCUUUUGGGUCAUUuc	935	AAUGACCCAAAAGAAGGGGgg	0.32	-1.641
DS18-0137	137	tggggaatcacgggggagcg	536	UGGGGAAUCACGGGGAGCGgc	936	CGCUCCCCGUGAUUCCCCAau	0.82	-0.283
DS18-0138	138	ttggggaatcacgggggagc	537	UUGGGGAAUCACGGGGAGCgg	937	GCUCCCCGUGAUUCCCCAAuc	0.74	-0.436
DS18-0139	139	attggggaatcacggggag	538	AUUGGGGAAUCACGGGGAGcg	938	CUCCCCGUGAUUCCCCAAUcg	0.67	-0.588
DS18-0140	140	gattggggaatcacgggga	539	GAUUGGGGAAUCACGGGGAgc	939	UCCCCGUGAUUCCCCAAUCgg	0.44	-1.185
DS18-0141	141	cgattggggaatcacgggg	540	CGAUUGGGGAAUCACGGGGag	940	CCCCGUGAUUCCCCAAUCGgc	0.41	-1.276

DS18-0142	142	ccgattgggggaatcacggg	541	CCGAUUGGGGGAAUCACGGGga	941	CCCGUGAUUCCCCCAAUCGGcu	0.36	-1.491
DS18-0143	143	gccgattgggggaatcacgg	542	GCCGAUUGGGGGAAUCACGGgg	942	CCGUGAUUCCCCCAAUCGGCuu	0.42	-1.248
DS18-0144	144	agccgattgggggaatcacg	543	AGCCGAUUGGGGGAAUCACGgg	943	CGUGAUUCCCCCAAUCGGCUuc	0.37	-1.443
DS18-0145	145	aagccgattgggggaatcac	544	AAGCCGAUUGGGGGAAUCACgg	944	GUGAUUCCCCCAAUCGGCUUcu	0.34	-1.544
DS18-0146	146	gaagccgattgggggaatca	545	GAAGCCGAUUGGGGGAAUCAcg	945	UGAUUCCCCCAAUCGGCUUCug	0.26	-1.920
DS18-0147	147	agaagccgattgggggaatc	546	AGAAGCCGAUUGGGGGAAUCac	946	GAUUCCCCCAAUCGGCUUCUgg	0.30	-1.739
DS18-0148	148	cagaagccgattgggggaat	547	CAGAAGCCGAUUGGGGGAAUca	947	AUUCCCCCAAUCGGCUUCUGga	0.48	-1.047
DS18-0149	149	ccagaagccgattgggggaa	548	CCAGAAGCCGAUUGGGGGAAuc	948	UUCCCCCAAUCGGCUUCUGGag	0.29	-1.771
DS18-0150	150	tccagaagccgattgggga	549	UCCAGAAGCCGAUUGGGGAau	949	UCCCCAAUCGGCUUCUGGAgc	0.45	-1.155
DS18-0151	151	ctccagaagccgattgggg	550	CUCCAGAAGCCGAUUGGGGaa	950	CCCCAAUCGGCUUCUGGAGcc	0.44	-1.183
DS18-0152	152	gctccagaagccgattggg	551	GCUCCAGAAGCCGAUUGGGga	951	CCCAAUCGGCUUCUGGAGCca	0.37	-1.442
DS18-0153	153	ggctccagaagccgattgg	552	GGCUCCAGAAGCCGAUUGGgg	952	CCAAUCGGCUUCUGGAGCCag	0.41	-1.272
DS18-0154	154	tggctccagaagccgattg	553	UGGCUCCAGAAGCCGAUUGgg	953	CAAUCGGCUUCUGGAGCCAga	0.41	-1.275
DS18-0155	155	ctggctccagaagccgatt	554	CUGGCUCCAGAAGCCGAUUgg	954	AAUCGGCUUCUGGAGCCAGag	0.43	-1.226
DS18-0156	156	tctggctccagaagccgat	555	UCUGGCUCCAGAAGCCGAUug	955	AUCGGCUUCUGGAGCCAGAgg	0.66	-0.608
DS18-0157	157	ctctggctccagaagccga	556	CUCUGGCUCCAGAAGCCGAuu	956	UCGGCUUCUGGAGCCAGAGgc	0.43	-1.203
DS18-0158	158	cctctggctccagaagccg	557	CCUCUGGCUCCAGAAGCCGau	957	CGGCUUCUGGAGCCAGAGGcu	0.44	-1.175
DS18-0159	159	gcctctggctccagaagcc	558	GCCUCUGGCUCCAGAAGCCga	958	GGCUUCUGGAGCCAGAGGCuc	0.63	-0.666
DS18-0160	160	agcctctggctccagaagc	559	AGCCUCUGGCUCCAGAAGCcg	959	GCUUCUGGAGCCAGAGGCUcc	1.04	0.054
DS18-0161	161	gagcctctggctccagaag	560	GAGCCUCUGGCUCCAGAAGcc	960	CUUCUGGAGCCAGAGGCUCcu	0.94	-0.096
DS18-0162	162	ggagcctctggctccagaa	561	GGAGCCUCUGGCUCCAGAAgc	961	UUCUGGAGCCAGAGGCUCCuc	0.81	-0.310
DS18-0163	163	aggagcctctggctccaga	562	AGGAGCCUCUGGCUCCAGAag	962	UCUGGAGCCAGAGGCUCCUcc	0.89	-0.175
DS18-0164	164	gaggagcctctggctccag	563	GAGGAGCCUCUGGCUCCAGaa	963	CUGGAGCCAGAGGCUCCUCcu	1.03	0.040
DS18-0165	165	ggaggagcctctggctcca	564	GGAGGAGCCUCUGGCUCCAga	964	UGGAGCCAGAGGCUCCUCCuc	1.01	0.007
DS18-0166	166	aggaggagcctctggctcc	565	AGGAGGAGCCUCUGGCUCCag	965	GGAGCCAGAGGCUCCUCCUcg	1.39	0.479
DS18-0167	167	agcaggaagcgggcagca	566	AGCAGGGAAGCGGGCAGCAgc	966	UGCUGCCCGCUUCCCUGCUcc	0.68	-0.556
DS18-0168	168	tcctcggagcagggaagcg	567	UCCUCGGAGCAGGGAAGCGgg	967	CGCUUCCCUGCUCCGAGGAaa	1.28	0.361
DS18-0169	169	ttcctcggagcagggaagc	568	UUCCUCCGGAGCAGGGAAGCgg	968	GCUUCCCUGCUCCGAGGAAaa	0.85	-0.227
DS18-0170	170	tttcctcggagcagggaag	569	UUUCCUCGGAGCAGGGAAGcg	969	CUUCCCUGCUCCGAGGAAAaa	1.08	0.111

DS18-0171	171	ttttcctcggagcagggaa	570	UUUUCCUCGGAGCAGGGAAgc	970	UUCCCUGCUCCGAGGAAAAac	0.81	-0.302
DS18-0172	172	aaagttgtggagtcgtttt	571	AAAGUUGUGGAGUCGUUUUuc	971	AAAACGACUCCACAACUUUgu	0.83	-0.265
DS18-0173	173	caaagttgtggagtcgttt	572	CAAAGUUGUGGAGUCGUUUuu	972	AAACGACUCCACAACUUUGug	0.69	-0.534
DS18-0174	174	acaaagttgtggagtcgtt	573	ACAAAGUUGUGGAGUCGUUuu	973	AACGACUCCACAACUUUGUgc	0.67	-0.570
DS18-0175	175	cacaaagttgtggagtcgt	574	CACAAAGUUGUGGAGUCGUuu	974	ACGACUCCACAACUUUGUGcg	0.71	-0.484
DS18-0176	176	gcacaaagttgtggagtcg	575	GCACAAAGUUGUGGAGUCGuu	975	CGACUCCACAACUUUGUGCgc	0.64	-0.634
DS18-0177	177	cgcacaaagttgtggagtc	576	CGCACAAAGUUGUGGAGUCGu	976	GACUCCACAACUUUGUGCGcg	0.29	-1.802
DS18-0178	178	gcgcacaaagttgtggagt	577	GCGCACAAAGUUGUGGAGUCg	977	ACUCCACAACUUUGUGCGCga	0.75	-0.413
DS18-0179	179	cgcgcacaaagttgtggag	578	CGCGCACAAAGUUGUGGAGuc	978	CUCCACAACUUUGUGCGCGag	0.87	-0.208
DS18-0180	180	tcgcgcacaaagttgtgga	579	UCGCGCACAAAGUUGUGGAgu	979	UCCACAACUUUGUGCGCGAga	0.82	-0.293
DS18-0181	181	ctcgcgcacaaagttgtgg	580	CUCGCGCACAAAGUUGUGGag	980	CCACAACUUUGUGCGCGAGag	1.14	0.184
DS18-0182	182	tctcgcgcacaaagttgtg	581	UCUCGCGCACAAAGUUGUGga	981	CACAACUUUGUGCGCGAGAga	0.96	-0.065
DS18-0183	183	ctctcgcgcacaaagttgt	582	CUCUCGCGCACAAAGUUGUGg	982	ACAACUUUGUGCGCGAGAGag	1.01	0.017
DS18-0184	184	ccgaaggagcgagcctctc	583	CCGAAGGAGCGAGCCUCUCuc	983	GAGAGGCUCGCUCCUUCGGcg	1.27	0.341
DS18-0185	185	gccgaaggagcgagcctct	584	GCCGAAGGAGCGAGCCUCUcu	984	AGAGGCUCGCUCCUUCGGCgg	1.51	0.598
DS18-0186	186	aggaggagccgccgaagga	585	AGGAGGAGCCGCCGAAGGAgc	985	UCCUUCGGCGGCUCCUCCUCc	0.85	-0.232
DS18-0187	187	acaaaggggcaggcccgca	586	ACAAAGGGGCAGGCCCGCAgc	986	UGCGGGGCCUGCCCCUUUGUug	1.18	0.242
DS18-0188	188	aacaaaggggcaggcccgc	587	AACAAAGGGGCAGGCCCGCag	987	GCGGGCCUGCCCCUUUGUUgg	1.29	0.363
DS18-0189	189	caacaaaggggcaggcccg	588	CAACAAAGGGGCAGGCCCGca	988	CGGGCCUGCCCCUUUGUUGga	1.17	0.228
DS18-0190	190	ccaacaaaggggcaggcccc	589	CCAACAAAGGGGCAGGCCCgc	989	GGGCCUGCCCCUUUGUUGGag	1.04	0.054
DS18-0191	191	tccaacaaaggggcaggcc	590	UCCAACAAAGGGGCAGGCCcg	990	GGCCUGCCCCUUUGUUGGAgc	1.14	0.192
DS18-0192	192	ctccaacaaaggggcaggc	591	CUCCAACAAAGGGGCAGGCcc	991	GCCUGCCCCUUUGUUGGAGcc	1.17	0.225
DS18-0193	193	gctccaacaaaggggcagg	592	GCUCCAACAAAGGGGCAGGcc	992	CCUGCCCCUUUGUUGGAGCcg	1.42	0.502
DS18-0194	194	ggctccaacaaaggggcag	593	GGCUCCAACAAAGGGGCAGgc	993	CUGCCCCUUUGUUGGAGCCga	1.25	0.327
DS18-0195	195	cggctccaacaaaggggca	594	CGGCUCCAACAAAGGGGCAgg	994	UGCCCCUUUGUUGGAGCCGag	1.05	0.064
DS18-0196	196	tcggctccaacaaaggggc	595	UCGGCUCCAACAAAGGGGCag	995	GCCCCUUUGUUGGAGCCGAgc	0.88	-0.181
DS18-0197	197	ctcggctccaacaaaggggg	596	CUCGGCUCCAACAAAGGGGca	996	CCCCUUUGUUGGAGCCGAGcg	1.93	0.946
DS18-0198	198	gctcggctccaacaaaggg	597	GCUCGGCUCCAACAAAGGGgc	997	CCCUUUGUUGGAGCCGAGCgc	1.77	0.821
DS18-0199	199	cgctcggctccaacaaagg	598	CGCUCGGCUCCAACAAAGGgg	998	CCUUUGUUGGAGCCGAGCGcu	1.33	0.410

DS18-0200	200	gcgctcggctccaacaaag	599	GCGCUCGGCUCCAACAAAGgg	999	CUUUGUUGGAGCCGAGCGCug	1.59	0.668
DS18-0201	201	agcgctcggctccaacaaa	600	AGCGCUCGGCUCCAACAAAgg	1000	UUUGUUGGAGCCGAGCGCUgg	0.79	-0.347
DS18-0202	202	cagcgctcggctccaacaa	601	CAGCGCUCGGCUCCAACAAag	1001	UUGUUGGAGCCGAGCGCUGga	1.10	0.140
DS18-0203	203	ccagcgctcggctccaaca	602	CCAGCGCUCGGCUCCAACAAa	1002	UGUUGGAGCCGAGCGCUGGag	0.96	-0.052
DS18-0204	204	tccagcgctcggctccaac	603	UCCAGCGCUCGGCUCCAACAa	1003	GUUGGAGCCGAGCGCUGGAgg	1.23	0.297
DS18-0205	205	ctccagcgctcggctccaa	604	CUCCAGCGCUCGGCUCCAACa	1004	UUGGAGCCGAGCGCUGGAGgc	1.73	0.789
DS18-0206	206	tctggagagcggaccctg	605	UCUGGAGAGCGGACCCCUGgc	1005	CAGGGGUCCGCUCUCCAGAug	1.38	0.460
DS18-0207	207	atctggagagcggaccct	606	AUCUGGAGAGCGGACCCCUgg	1006	AGGGGUCCGCUCUCCAGAUga	1.48	0.567
DS18-0208	208	catctggagagcggacccc	607	CAUCUGGAGAGCGGACCCCug	1007	GGGGUCCGCUCUCCAGAUGag	1.30	0.378
DS18-0209	209	tcatctggagagcggaccc	608	UCAUCUGGAGAGCGGACCCcu	1008	GGGUCCGCUCUCCAGAUGAga	1.45	0.540
DS18-0210	210	ctcatctggagagcggacc	609	CUCAUCUGGAGAGCGGACCcc	1009	GGUCCGCUCUCCAGAUGAGaa	0.99	-0.019
DS18-0211	211	tctcatctggagagcggac	610	UCUCAUCUGGAGAGCGGACcc	1010	GUCCGCUCUCCAGAUGAGAag	1.15	0.197
DS18-0212	212	ttctcatctggagagcgga	611	UUCUCAUCUGGAGAGCGGAcc	1011	UCCGCUCUCCAGAUGAGAAgg	1.09	0.124
DS18-0213	213	cttctcatctggagagcgg	612	CUUCUCAUCUGGAGAGCGGac	1012	CCGCUCUCCAGAUGAGAAGgg	0.94	-0.096
DS18-0214	214	ccttctcatctggagagcg	613	CCUUCUCAUCUGGAGAGCGga	1013	CGCUCUCCAGAUGAGAAGGgu	0.86	-0.221
DS18-0215	215	ccttctcatctggagagc	614	CCCUUCUCAUCUGGAGAGCgg	1014	GCUCUCCAGAUGAGAAGGGug	0.90	-0.153
DS18-0216	216	accttctcatctggagag	615	ACCCUUCUCAUCUGGAGAGCg	1015	CUCUCCAGAUGAGAAGGGUgc	1.12	0.157
DS18-0217	217	caccttctcatctggaga	616	CACCCUUCUCAUCUGGAGAgc	1016	UCUCCAGAUGAGAAGGGUGca	0.84	-0.253
DS18-0218	218	gcaccttctcatctggag	617	GCACCCUUCUCAUCUGGAGag	1017	CUCCAGAUGAGAAGGGUGCag	0.87	-0.199
DS18-0219	219	tgcaccttctcatctgga	618	UGCACCCUUCUCAUCUGGAga	1018	UCCAGAUGAGAAGGGUGCAga	0.99	-0.019
DS18-0220	220	ctgcaccttctcatctgg	619	CUGCACCCUUCUCAUCUGGag	1019	CCAGAUGAGAAGGGUGCAGau	0.95	-0.078
DS18-0221	221	tctgcaccttctcatctg	620	UCUGCACCCUUCUCAUCUGga	1020	CAGAUGAGAAGGGUGCAGAuc	1.31	0.386
DS18-0222	222	atctgcaccttctcatct	621	AUCUGCACCCUUCUCAUCUgg	1021	AGAUGAGAAGGGUGCAGAUca	1.57	0.655
DS18-0223	223	gatctgcaccttctcatc	622	GAUCUGCACCCUUCUCAUCug	1022	GAUGAGAAGGGUGCAGAUCag	1.25	0.322
DS18-0224	224	tgatctgcaccttctcat	623	UGAUCUGCACCCUUCUCAUcu	1023	AUGAGAAGGGUGCAGAUCAgc	1.00	-0.004
DS18-0225	225	ctgatctgcaccttctca	624	CUGAUCUGCACCCUUCUCAuc	1024	UGAGAAGGGUGCAGAUCAGcg	1.59	0.674
DS18-0226	226	gctgatctgcaccttctc	625	GCUGAUCUGCACCCUUCUCau	1025	GAGAAGGGUGCAGAUCAGCgc	0.65	-0.624
DS18-0227	227	cgctgatctgcaccttct	626	CGCUGAUCUGCACCCUUCUca	1026	AGAAGGGUGCAGAUCAGCGcc	0.60	-0.747
DS18-0228	228	gcgctgatctgcaccttc	627	GCGCUGAUCUGCACCCUUCuc	1027	GAAGGGUGCAGAUCAGCGCca	1.12	0.158

DS18-0229	229	ggcgctgatctgcacctt	628	GGCGCUGAUCUGCACCCUUcu	1028	AAGGGUGCAGAUCAGCGCCag	1.21	0.276
DS18-0230	230	tggcgctgatctgcaccct	629	UGGCGCUGAUCUGCACCCUuc	1029	AGGGUGCAGAUCAGCGCCAgc	1.40	0.483
DS18-0231	231	ctggcgctgatctgcaccc	630	CUGGCGCUGAUCUGCACCCuu	1030	GGGUGCAGAUCAGCGCCAGcc	1.26	0.338
DS18-0232	232	gctggcgctgatctgcacc	631	GCUGGCGCUGAUCUGCACCcu	1031	GGUGCAGAUCAGCGCCAGCcc	1.29	0.368
DS18-0233	233	ggctggcgctgatctgcac	632	GGCUGGCGCUGAUCUGCACCc	1032	GUGCAGAUCAGCGCCAGCCcu	1.33	0.410
DS18-0234	234	gggctggcgctgatctgca	633	GGGCUGGCGCUGAUCUGCAcc	1033	UGCAGAUCAGCGCCAGCCCuc	1.29	0.367
DS18-0235	235	agggctggcgctgatctgc	634	AGGGCUGGCGCUGAUCUGCac	1034	GCAGAUCAGCGCCAGCCCUcc	0.76	-0.399
DS18-0236	236	gagggctggcgctgatctg	635	GAGGGCUGGCGCUGAUCUGca	1035	CAGAUCAGCGCCAGCCCUCcg	1.39	0.470
DS18-0237	237	ggagggctggcgctgatct	636	GGAGGGCUGGCGCUGAUCUgc	1036	AGAUCAGCGCCAGCCCUCCgg	1.13	0.173
DS18-0238	238	aaagttgctgggccggcgg	637	AAAGUUGCUGGGCCGGCGGcg	1037	CCGCCGGCCCAGCAACUUUgu	1.05	0.069
DS18-0239	239	caaagttgctgggccggcg	638	CAAAGUUGCUGGGCCGGCGgc	1038	CGCCGGCCCAGCAACUUUGuu	1.09	0.126
DS18-0240	240	acaaagttgctgggccggc	639	ACAAAGUUGCUGGGCCGGCGg	1039	GCCGGCCCAGCAACUUUGUuc	1.04	0.052
DS18-0241	241	aacaaagttgctgggccgg	640	AACAAAGUUGCUGGGCCGGCg	1040	CCGGCCCAGCAACUUUGUUcc	1.06	0.078
DS18-0242	242	gaacaaagttgctgggccg	641	GAACAAAGUUGCUGGGCCGGc	1041	CGGCCCAGCAACUUUGUUCcg	1.06	0.090
DS18-0243	243	ggaacaaagttgctgggcc	642	GGAACAAAGUUGCUGGGCCGg	1042	GGCCCAGCAACUUUGUUCCgg	1.23	0.294
DS18-0244	244	cggaacaaagttgctgggc	643	CGGAACAAAGUUGCUGGGCCg	1043	GCCCAGCAACUUUGUUCCGga	1.08	0.113
DS18-0245	245	ccggaacaaagttgctggg	644	CCGGAACAAAGUUGCUGGGCc	1044	CCCAGCAACUUUGUUCCGGaa	0.72	-0.468
DS18-0246	246	tccggaacaaagttgctgg	645	UCCGGAACAAAGUUGCUGGgc	1045	CCAGCAACUUUGUUCCGGAag	0.75	-0.418
DS18-0247	247	ttccggaacaaagttgctg	646	UUCCGGAACAAAGUUGCUGgg	1046	CAGCAACUUUGUUCCGGAAga	0.81	-0.295
DS18-0248	248	cttccggaacaaagttgct	647	CUUCCGGAACAAAGUUGCUgg	1047	AGCAACUUUGUUCCGGAAGau	1.30	0.381
DS18-0249	249	tcttccggaacaaagttgc	648	UCUUCCGGAACAAAGUUGCug	1048	GCAACUUUGUUCCGGAAGAuc	0.99	-0.017
DS18-0250	250	atcttccggaacaaagttg	649	AUCUUCCGGAACAAAGUUGcu	1049	CAACUUUGUUCCGGAAGAUca	0.63	-0.657
DS18-0251	251	gatcttccggaacaaagtt	650	GAUCUUCCGGAACAAAGUUgc	1050	AACUUUGUUCCGGAAGAUCag	1.24	0.307
DS18-0252	252	tgatcttccggaacaaagt	651	UGAUCUUCCGGAACAAAGUug	1051	ACUUUGUUCCGGAAGAUCAgc	1.27	0.340
DS18-0253	253	ctgatcttccggaacaaag	652	CUGAUCUUCCGGAACAAAGuu	1052	CUUUGUUCCGGAAGAUCAGcc	1.50	0.585
DS18-0254	254	gctgatcttccggaacaaa	653	GCUGAUCUUCCGGAACAAAGu	1053	UUUGUUCCGGAAGAUCAGCcc	1.09	0.120
DS18-0255	255	ggctgatcttccggaacaa	654	GGCUGAUCUUCCGGAACAAag	1054	UUGUUCCGGAAGAUCAGCCcc	1.15	0.203
DS18-0256	256	gggctgatcttccggaaca	655	GGGCUGAUCUUCCGGAACAaa	1055	UGUUCCGGAAGAUCAGCCCca	0.78	-0.365
DS18-0257	257	ggggctgatcttccggaac	656	GGGGCUGAUCUUCCGGAACaa	1056	GUUCCGGAAGAUCAGCCCCac	0.77	-0.374

DS18-0258	258	tggggctgatcttccggaa	657	UGGGGCUGAUCUUCCGGAAca	1057	UUCCGGAAGAUCAGCCCCAcu	0.65	-0.617
DS18-0259	259	gtgggctgatcttccgga	658	GUGGGGCUGAUCUUCCGGAac	1058	UCCGGAAGAUCAGCCCCACua	0.70	-0.509
DS18-0260	260	agtgggctgatcttccgg	659	AGUGGGGCUGAUCUUCCGGaa	1059	CCGGAAGAUCAGCCCCACUac	0.76	-0.393
DS18-0261	261	tagtgggctgatcttccg	660	UAGUGGGGCUGAUCUUCCGga	1060	CGGAAGAUCAGCCCCACUAcg	0.70	-0.513
DS18-0262	262	gtagtgggctgatcttcc	661	GUAGUGGGGCUGAUCUUCCgg	1061	GGAAGAUCAGCCCCACUACgu	0.64	-0.641
DS18-0263	263	cgtagtgggctgatcttc	662	CGUAGUGGGGCUGAUCUUCcg	1062	GAAGAUCAGCCCCACUACGuu	0.94	-0.092
DS18-0264	264	acgtagtgggctgatctt	663	ACGUAGUGGGGCUGAUCUUcc	1063	AAGAUCAGCCCCACUACGUuc	1.25	0.325
DS18-0265	265	aacgtagtgggctgatct	664	AACGUAGUGGGGCUGAUCUuc	1064	AGAUCAGCCCCACUACGUUcc	0.76	-0.405
DS18-0266	266	gaacgtagtgggctgatc	665	GAACGUAGUGGGGCUGAUCuu	1065	GAUCAGCCCCACUACGUUCcc	0.99	-0.014
DS18-0267	267	ggaacgtagtgggctgat	666	GGAACGUAGUGGGGCUGAUcu	1066	AUCAGCCCCACUACGUUCCcg	0.93	-0.099
DS18-0268	268	gggaacgtagtgggctga	667	GGGAACGUAGUGGGGCUGAuc	1067	UCAGCCCCACUACGUUCCCgg	1.01	0.020
DS18-0269	269	cgggaacgtagtgggctg	668	CGGGAACGUAGUGGGGCUGau	1068	CAGCCCCACUACGUUCCCGgg	0.95	-0.081
DS18-0270	270	ccgggaacgtagtgggct	669	CCGGGAACGUAGUGGGGCUga	1069	AGCCCCACUACGUUCCCGGgu	0.89	-0.169
DS18-0271	271	acccgggaacgtagtgggg	670	ACCCGGGAACGUAGUGGGGcu	1070	CCCCACUACGUUCCCGGGUca	1.15	0.207
DS18-0272	272	gacccgggaacgtagtggg	671	GACCCGGGAACGUAGUGGGgc	1071	CCCACUACGUUCCCGGGUCag	1.26	0.336
DS18-0273	273	tgacccgggaacgtagtgg	672	UGACCCGGGAACGUAGUGGGg	1072	CCACUACGUUCCCGGGUCAgc	0.86	-0.220
DS18-0274	274	cgacccgggaacgtagtg	673	CUGACCCGGGAACGUAGUGGg	1073	CACUACGUUCCCGGGUCAGcg	0.88	-0.185
DS18-0275	275	gctgacccgggaacgtagt	674	GCUGACCCGGGAACGUAGUgg	1074	ACUACGUUCCCGGGUCAGCgu	0.84	-0.251
DS18-0276	276	cagacgctgacccgggaac	675	CAGACGCUGACCCGGGAACGu	1075	GUUCCCGGGUCAGCGUCUGcc	1.05	0.065
DS18-0277	277	gcagacgctgacccgggaa	676	GCAGACGCUGACCCGGGAAcg	1076	UUCCCGGGUCAGCGUCUGCcg	1.21	0.281
DS18-0278	278	tgggcgccaagttcccga	677	UGGGCGCCAAGUUCCCGAcg	1077	UCGGGAACUUGGCGCCCCAag	0.91	-0.135
DS18-0279	279	ttgggcgccaagttcccg	678	UUGGGCGCCAAGUUCCCGac	1078	CGGGAACUUGGCGCCCCAAgu	1.04	0.051
DS18-0280	280	cttgggcgccaagttccc	679	CUUGGGCGCCAAGUUCCCga	1079	GGGAACUUGGCGCCCCAAGuc	1.14	0.189
DS18-0281	281	acttgggcgccaagttcc	680	ACUUGGGCGCCAAGUUCCcg	1080	GGAACUUGGCGCCCCAAGUca	0.89	-0.165
DS18-0282	282	gacttgggcgccaagttc	681	GACUUGGGCGCCAAGUUCcc	1081	GAACUUGGCGCCCCAAGUCac	0.97	-0.049
DS18-0283	283	tgacttgggcgccaagtt	682	UGACUUGGGCGCCAAGUUCcc	1082	AACUUGGCGCCCCAAGUCAcc	1.00	0.004
DS18-0284	284	gtgacttgggcgccaagt	683	GUGACUUGGGCGCCAAGUuc	1083	ACUUGGCGCCCCAAGUCACcu	1.16	0.218
DS18-0285	285	ggtgacttgggcgccaag	684	GGUGACUUGGGCGCCAAGuu	1084	CUUGGCGCCCCAAGUCACCug	1.15	0.202
DS18-0286	286	aggtgacttgggcgccaa	685	AGGUGACUUGGGCGCCAAgu	1085	UUGGCGCCCCAAGUCACCUga	0.91	-0.138

DS18-0287	287	caggtgacttgggggcgcca	686	CAGGUGACUUGGGGGCGCCAag	1086	UGGCGCCCCAAGUCACCUGac	1.09	0.123
DS18-0288	288	tcaggtgacttgggggcgcc	687	UCAGGUGACUUGGGGCGCCaa	1087	GGCGCCCCAAGUCACCUGAcu	1.05	0.064
DS18-0289	289	gtcaggtgacttgggggcgc	688	GUCAGGUGACUUGGGGCGCCa	1088	GCGCCCCAAGUCACCUGACug	1.03	0.049
DS18-0290	290	agtcaggtgacttgggggcg	689	AGUCAGGUGACUUGGGGCGCcc	1089	CGCCCCAAGUCACCUGACUgc	0.58	-0.777
DS18-0291	291	cagtcaggtgacttgggggc	690	CAGUCAGGUGACUUGGGGCGcc	1090	GCCCCAAGUCACCUGACUGcg	0.96	-0.066
DS18-0292	292	gcagtcaggtgacttgggg	691	GCAGUCAGGUGACUUGGGGCgcg	1091	CCCCAAGUCACCUGACUGCgc	0.92	-0.118
DS18-0293	293	cgcagtcaggtgacttggg	692	CGCAGUCAGGUGACUUGGGGcgc	1092	CCCAAGUCACCUGACUGCGcg	0.93	-0.104
DS18-0294	294	gcgcagtcaggtgacttgg	693	GCGCAGUCAGGUGACUUGGGgcg	1093	CCAAGUCACCUGACUGCGCgc	0.93	-0.100
DS18-0295	295	cgcgcagtcaggtgacttg	694	CGCGCAGUCAGGUGACUUGGgcg	1094	CAAGUCACCUGACUGCGCGcc	1.01	0.007
DS18-0296	296	agggccggcgctgattgac	695	AGGGCCGGCGCUGAUUGACgg	1095	GUCAAUCAGCGCCGGCCCUgc	1.01	0.021
DS18-0297	297	cagggccggcgctgattga	696	CAGGGCCGGCGCUGAUUGAcg	1096	UCAAUCAGCGCCGGCCCUGcg	1.30	0.379
DS18-0298	298	acggttcactctggagcgc	697	ACGGUUCACUCUGGAGCGCgc	1097	GCGCUCCAGAGUGAACCGUgc	1.25	0.322
DS18-0299	299	cacggttcactctggagcg	698	CACGGUUCACUCUGGAGCGCg	1098	CGCUCCAGAGUGAACCGUGcg	0.74	-0.441
DS18-0300	300	gcacggttcactctggagc	699	GCACGGUUCACUCUGGAGCgc	1099	GCUCCAGAGUGAACCGUGCgu	1.06	0.084
DS18-0301	301	cgcacggttcactctggag	700	CGCACGGUUCACUCUGGAGcg	1100	CUCCAGAGUGAACCGUGCGug	1.58	0.658
DS18-0302	302	acgcacggttcactctgga	701	ACGCACGGUUCACUCUGGAgc	1101	UCCAGAGUGAACCGUGCGUgc	1.07	0.092
DS18-0303	303	cacgcacggttcactctgg	702	CACGCACGGUUCACUCUGGag	1102	CCAGAGUGAACCGUGCGUGcc	1.08	0.111
DS18-0304	304	gcacgcacggttcactctg	703	GCACGCACGGUUCACUCUGga	1103	CAGAGUGAACCGUGCGUGCcg	1.42	0.510
DS18-0305	305	ggcacgcacggttcactct	704	GGCACGCACGGUUCACUCUgg	1104	AGAGUGAACCGUGCGUGCCgg	2.08	1.059
DS18-0306	306	gttcggtctccggactccc	705	GUUCGGUCUCCGGACUCCCgg	1105	GGGAGUCCGGAGACCGAACCa	1.02	0.024
DS18-0307	307	ggttcggtctccggactcc	706	GGUUCGGUCUCCGGACUCCcg	1106	GGAGUCCGGAGACCGAACCag	1.03	0.037
DS18-0308	308	tggttcggtctccggactc	707	UGGUUCGGUCUCCGGACUCcc	1107	GAGUCCGGAGACCGAACCAga	1.23	0.299
DS18-0309	309	ctggttcggtctccggact	708	CUGGUUCGGUCUCCGGACUcc	1108	AGUCCGGAGACCGAACCAGaa	0.90	-0.145
DS18-0310	310	tctggttcggtctccggac	709	UCUGGUUCGGUCUCCGGACuc	1109	GUCCGGAGACCGAACCAGAau	1.14	0.190
DS18-0311	311	ttctggttcggtctccgga	710	UUCUGGUUCGGUCUCCGGAcu	1110	UCCGGAGACCGAACCAGAAug	1.12	0.162
DS18-0312	312	attctggttcggtctccgg	711	AUUCUGGUUCGGUCUCCGGac	1111	CCGGAGACCGAACCAGAAUgg	1.33	0.408
DS18-0313	313	cattctggttcggtctccg	712	CAUUCUGGUUCGGUCUCCGga	1112	CGGAGACCGAACCAGAAUGga	1.75	0.808
DS18-0314	314	ccattctggttcggtctcc	713	CCAUUCUGGUUCGGUCUCCgg	1113	GGAGACCGAACCAGAAUGGau	1.28	0.355
DS18-0315	315	tccattctggttcggtctc	714	UCCAUUCUGGUUCGGUCUCCg	1114	GAGACCGAACCAGAAUGGAug	1.33	0.414

DS18-0316	316	atccattctggttcggtct	715	AUCCAUUCUGGUUCGGUCUcc	1115	AGACCGAACCAGAAUGGAUgc	0.97	-0.038
DS18-0317	317	catccattctggttcggtc	716	CAUCCAUUCUGGUUCGGUCuc	1116	GACCGAACCAGAAUGGAUGcc	1.04	0.051
DS18-0318	318	gcatccattctggttcggt	717	GCAUCCAUUCUGGUUCGGUcu	1117	ACCGAACCAGAAUGGAUGCcu	1.04	0.055
DS18-0319	319	ggcatccattctggttcgg	718	GGCAUCCAUUCUGGUUCGGuc	1118	CCGAACCAGAAUGGAUGCCuc	0.95	-0.079
DS18-0320	320	aggcatccattctggttcg	719	AGGCAUCCAUUCUGGUUCGgu	1119	CGAACCAGAAUGGAUGCCUcg	1.14	0.187
DS18-0321	321	gaggcatccattctggttc	720	GAGGCAUCCAUUCUGGUUCgg	1120	GAACCAGAAUGGAUGCCUCga	1.42	0.510
DS18-0322	322	cgaggcatccattctggtt	721	CGAGGCAUCCAUUCUGGUUcg	1121	AACCAGAAUGGAUGCCUCGag	1.08	0.108
DS18-0323	323	tcgaggcatccattctggt	722	UCGAGGCAUCCAUUCUGGUuc	1122	ACCAGAAUGGAUGCCUCGAgc	1.64	0.710
DS18-0324	324	ctcgaggcatccattctgg	723	CUCGAGGCAUCCAUUCUGGuu	1123	CCAGAAUGGAUGCCUCGAGca	1.72	0.783
DS18-0325	325	gctcgaggcatccattctg	724	GCUCGAGGCAUCCAUUCUGgu	1124	CAGAAUGGAUGCCUCGAGCag	1.25	0.325
DS18-0326	326	tgctcgaggcatccattct	725	UGCUCGAGGCAUCCAUUCUgg	1125	AGAAUGGAUGCCUCGAGCAga	1.00	-0.004
DS18-0327	327	ctgctcgaggcatccattc	726	CUGCUCGAGGCAUCCAUUCug	1126	GAAUGGAUGCCUCGAGCAGac	1.14	0.191
DS18-0328	328	tctgctcgaggcatccatt	727	UCUGCUCGAGGCAUCCAUUcu	1127	AAUGGAUGCCUCGAGCAGAca	1.29	0.363
DS18-0329	329	gtctgctcgaggcatccat	728	GUCUGCUCGAGGCAUCCAUuc	1128	AUGGAUGCCUCGAGCAGACac	1.51	0.591
DS18-0330	330	tgtctgctcgaggcatcca	729	UGUCUGCUCGAGGCAUCCAuu	1129	UGGAUGCCUCGAGCAGACAca	0.79	-0.347
DS18-0331	331	gtgtctgctcgaggcatcc	730	GUGUCUGCUCGAGGCAUCCau	1130	GGAUGCCUCGAGCAGACACaa	1.08	0.116
DS18-0332	332	tgtgtctgctcgaggcatc	731	UGUGUCUGCUCGAGGCAUCca	1131	GAUGCCUCGAGCAGACACAau	1.59	0.670
DS18-0333	333	ttgtgtctgctcgaggcat	732	UUGUGUCUGCUCGAGGCAUcc	1132	AUGCCUCGAGCAGACACAAuu	1.94	0.955
DS18-0334	334	attgtgtctgctcgaggca	733	AUUGUGUCUGCUCGAGGCAuc	1133	UGCCUCGAGCAGACACAAUuc	1.31	0.392
DS18-0335	335	aattgtgtctgctcgaggc	734	AAUUGUGUCUGCUCGAGGCau	1134	GCCUCGAGCAGACACAAUUcc	1.24	0.306
DS18-0336	336	gaattgtgtctgctcgagg	735	GAAUUGUGUCUGCUCGAGGca	1135	CCUCGAGCAGACACAAUUCcc	0.73	-0.454
DS18-0337	337	ggaattgtgtctgctcgag	736	GGAAUUGUGUCUGCUCGAGgc	1136	CUCGAGCAGACACAAUUCCcc	0.58	-0.775
DS18-0338	338	gggaattgtgtctgctcga	737	GGGAAUUGUGUCUGCUCGAgg	1137	UCGAGCAGACACAAUUCCCcu	1.01	0.010
DS18-0339	339	ggggaattgtgtctgctcg	738	GGGGAAUUGUGUCUGCUCGag	1138	CGAGCAGACACAAUUCCCCuu	1.09	0.122
DS18-0340	340	agggggaattgtgtctgctc	739	AGGGGAAUUGUGUCUGCUCGa	1139	GAGCAGACACAAUUCCCCUua	0.83	-0.271
DS18-0341	341	aagggggaattgtgtctgct	740	AAGGGGAAUUGUGUCUGCUcg	1140	AGCAGACACAAUUCCCCUUau	0.77	-0.386
DS18-0342	342	taaggggaattgtgtctgc	741	UAAGGGGAAUUGUGUCUGCuc	1141	GCAGACACAAUUCCCCUUAuu	0.91	-0.139
DS18-0343	343	ataagggggaattgtgtctg	742	AUAAGGGGAAUUGUGUCUGcu	1142	CAGACACAAUUCCCCUUAUuc	1.48	0.567
DS18-0344	344	aataagggggaattgtgtct	743	AAUAAGGGGAAUUGUGUCUgc	1143	AGACACAAUUCCCCUUAUUca	1.62	0.699

DS18-0345	345	gaataaggggaattgtgtc	744	GAAUAAGGGGAAUUGUGUCug	1144	GACACAAUUCCCCUUAUUCag	1.34	0.419
DS18-0346	346	tgaataaggggaattgtgt	745	UGAAUAAGGGGAAUUGUGUcu	1145	ACACAAUUCCCCUUAUUCAga	1.07	0.094
DS18-0347	347	ctgaataaggggaattgtg	746	CUGAAUAAGGGGAAUUGUGuc	1146	CACAAUUCCCCUUAUUCAGau	1.44	0.526
DS18-0348	348	tctgaataaggggaattgt	747	UCUGAAUAAGGGGAAUUGUgu	1147	ACAAUUCCCCUUAUUCAGAuu	1.16	0.211
DS18-0349	349	atctgaataaggggaattg	748	AUCUGAAUAAGGGGAAUUGug	1148	CAAUUCCCCUUAUUCAGAUua	1.27	0.340
DS18-0350	350	gataaatctgaataaggggga	749	GAUAAAUCUGAAUAAGGGGAau	1149	UCCCCUUAUUCAGAUUAUCcg	1.18	0.234
DS18-0351	351	ggataaatctgaataagggg	750	GGAUAAAUCUGAAUAAGGGGaa	1150	CCCCUUAUUCAGAUUAUCCga	1.08	0.104
DS18-0352	352	cggataaatctgaataaggg	751	CGGAUAAAUCUGAAUAAGGGga	1151	CCCUUAUUCAGAUUAUCCGaa	1.13	0.180
DS18-0353	353	tcggataaatctgaataagg	752	UCGGAUAAAUCUGAAUAAGGgg	1152	CCUUAUUCAGAUUAUCCGAaa	1.09	0.124
DS18-0354	354	cacatttcggataaatctg	753	CACAUUUUCGGAUAAAUCUGaa	1153	CAGAUUAUCCGAAAAAUGUGag	1.52	0.604
DS18-0355	355	ctcacatttcggataatc	754	CUCACAUUUUCGGAUAAAUCUg	1154	GAUUAUCCGAAAAUGUGAGuc	1.46	0.544
DS18-0356	356	gactcacatttcggataa	755	GACUCACAUUUUCGGAUAAAuc	1155	UUAUCCGAAAAUGUGAGUCac	0.83	-0.275
DS18-0357	357	tgactcacatttcggata	756	UGACUCACAUUUUCGGAUAAau	1156	UAUCCGAAAAUGUGAGUCAcg	1.17	0.233
DS18-0358	358	gtgactcacatttcggat	757	GUGACUCACAUUUUCGGAUAa	1157	AUCCGAAAAUGUGAGUCACgu	1.13	0.177
DS18-0359	359	cgtgactcacatttcgga	758	CGUGACUCACAUUUUCGGAUa	1158	UCCGAAAAUGUGAGUCACGuc	0.87	-0.203
DS18-0360	360	acgtgactcacatttcgg	759	ACGUGACUCACAUUUUCGGau	1159	CCGAAAAUGUGAGUCACGUcc	0.63	-0.664
DS18-0361	361	gacgtgactcacatttcg	760	GACGUGACUCACAUUUUCGga	1160	CGAAAAUGUGAGUCACGUCcc	0.90	-0.148
DS18-0362	362	ggacgtgactcacatttc	761	GGACGUGACUCACAUUUUCgg	1161	GAAAAUGUGAGUCACGUCCcc	1.36	0.448
DS18-0363	363	gggacgtgactcacatttt	762	GGGACGUGACUCACAUUUUCcg	1162	AAAAUGUGAGUCACGUCCCcu	1.36	0.439
DS18-0364	364	ggggacgtgactcacattt	763	GGGGACGUGACUCACAUUUUuc	1163	AAAUGUGAGUCACGUCCCCuu	0.91	-0.132
DS18-0365	365	aggggacgtgactcacatt	764	AGGGGACGUGACUCACAUUUu	1164	AAUGUGAGUCACGUCCCCUua	0.73	-0.463
DS18-0366	366	aaggggacgtgactcacat	765	AAGGGGACGUGACUCACAUuu	1165	AUGUGAGUCACGUCCCCUUag	0.18	-2.438
DS18-0367	367	taaggggacgtgactcaca	766	UAAGGGGACGUGACUCACAuu	1166	UGUGAGUCACGUCCCCUUAgg	0.80	-0.326
DS18-0368	368	ctaaggggacgtgactcac	767	CUAAGGGGACGUGACUCACau	1167	GUGAGUCACGUCCCCUUAGgc	1.26	0.339
DS18-0369	369	cctaaggggacgtgactca	768	CCUAAGGGGACGUGACUCAca	1168	UGAGUCACGUCCCCUUAGGca	0.85	-0.226
DS18-0370	370	gcctaaggggacgtgactc	769	GCCUAAGGGGACGUGACUCac	1169	GAGUCACGUCCCCUUAGGCaa	1.19	0.251
DS18-0371	371	tgcctaaggggacgtgact	770	UGCCUAAGGGGACGUGACUca	1170	AGUCACGUCCCCUUAGGCAaa	1.18	0.234
DS18-0372	372	ttgcctaaggggacgtgac	771	UUGCCUAAGGGGACGUGACuc	1171	GUCACGUCCCCUUAGGCAAaa	1.27	0.350
DS18-0373	373	tttgcctaaggggacgtga	772	UUUGCCUAAGGGGACGUGAcu	1172	UCACGUCCCCUUAGGCAAAac	1.72	0.784

DS18-0374	374	ttttgcctaaggggacgtg	773	UUUUGCCUAAGGGGACGUGac	1173	CACGUCCCCUUAGGCAAAAca	2.19	1.130
DS18-0375	375	gttttgcctaaggggacgt	774	GUUUUGCCUAAGGGGACGUga	1174	ACGUCCCCUUAGGCAAAACag	1.39	0.473
DS18-0376	376	tgttttgcctaaggggacg	775	UGUUUUGCCUAAGGGGACGug	1175	CGUCCCCUUAGGCAAAACAgg	1.86	0.892
DS18-0377	377	ctgttttgcctaaggggac	776	CUGUUUUGCCUAAGGGGACgu	1176	GUCCCCUUAGGCAAAACAGgu	1.21	0.277
DS18-0378	378	cctgttttgcctaaggggа	777	CCUGUUUUGCCUAAGGGGAcg	1177	UCCCCUUAGGCAAAACAGGuc	1.13	0.177
DS18-0379	379	acctgttttgcctaaggggg	778	ACCUGUUUUGCCUAAGGGGac	1178	CCCCUUAGGCAAAACAGGUcu	1.32	0.398
DS18-0380	380	gacctgttttgcctaaggg	779	GACCUGUUUUGCCUAAGGGGa	1179	CCCUUAGGCAAAACAGGUCuc	1.21	0.274
DS18-0381	381	agacctgttttgcctaagg	780	AGACCUGUUUUGCCUAAGGGg	1180	CCUUAGGCAAAACAGGUCUcu	0.90	-0.151
DS18-0382	382	gagacctgttttgcctaag	781	GAGACCUGUUUUGCCUAAGGg	1181	CUUAGGCAAAACAGGUCUCua	1.27	0.341
DS18-0383	383	agagacctgttttgcctaa	782	AGAGACCUGUUUUGCCUAAGg	1182	UUAGGCAAAACAGGUCUCUag	1.22	0.292
DS18-0384	384	tagagacctgttttgccta	783	UAGAGACCUGUUUUGCCUAAg	1183	UAGGCAAAACAGGUCUCUAgu	1.19	0.248
DS18-0385	385	ctagagacctgttttgcct	784	CUAGAGACCUGUUUUGCCUaa	1184	AGGCAAAACAGGUCUCUAGuu	0.79	-0.331
DS18-0386	386	actagagacctgttttgcc	785	ACUAGAGACCUGUUUUGCCua	1185	GGCAAAACAGGUCUCUAGUua	0.79	-0.338
DS18-0387	387	aactagagacctgttttgc	786	AACUAGAGACCUGUUUUGCcu	1186	GCAAAACAGGUCUCUAGUUag	0.75	-0.411
DS18-0388	388	taactagagacctgttttg	787	UAACUAGAGACCUGUUUUGcc	1187	CAAAACAGGUCUCUAGUUAgg	0.88	-0.187
DS18-0389	389	ctaactagagacctgtttt	788	CUAACUAGAGACCUGUUUUgc	1188	AAAACAGGUCUCUAGUUAGgg	1.10	0.133
DS18-0390	390	cctaactagagacctgttt	789	CCUAACUAGAGACCUGUUUug	1189	AAACAGGUCUCUAGUUAGGgu	0.94	-0.094
DS18-0391	391	ccctaactagagacctgtt	790	CCCUAACUAGAGACCUGUUuu	1190	AACAGGUCUCUAGUUAGGGug	0.68	-0.555
DS18-0392	392	accctaactagagacctgt	791	ACCCUAACUAGAGACCUGUuu	1191	ACAGGUCUCUAGUUAGGGUga	0.84	-0.247
DS18-0393	393	caccctaactagagacctg	792	CACCCUAACUAGAGACCUGuu	1192	CAGGUCUCUAGUUAGGGUGau	0.87	-0.201
DS18-0394	394	tcaccctaactagagacct	793	UCACCCUAACUAGAGACCUgu	1193	AGGUCUCUAGUUAGGGUGAua	1.01	0.008
DS18-0395	395	atcaccctaactagagacc	794	AUCACCCUAACUAGAGACCug	1194	GGUCUCUAGUUAGGGUGAUau	0.76	-0.404
DS18-0396	396	tatcaccctaactagagac	795	UAUCACCCUAACUAGAGACcu	1195	GUCUCUAGUUAGGGUGAUAuu	0.74	-0.433
DS18-0397	397	atatcaccctaactagaga	796	AUAUCACCCUAACUAGAGAcc	1196	UCUCUAGUUAGGGUGAUAUuu	0.99	-0.018
DS18-0398	398	aatatcaccctaactagag	797	AAUAUCACCCUAACUAGAGac	1197	CUCUAGUUAGGGUGAUAUUuu	1.09	0.125
RAG18-si8	399	actactgagtgacagtaga	798	GGUUGCUGAUGUCCUUAGATT	1198	UCUAAGGACAUCAGCAACCTT	0.09	-3.511
dsCon2		Non-specific duplex control	799	ACUACUGAGUGACAGUAGATT	1199	UCUACUGUCACUCAGUAGUTT	1.04	0.057

Note: Target sequence is identical to the identified sense sequence but the nucleotide "U "is converted to "T" excluding 2-nt nucleotides natural overhang selected from or complementary to the corresponding nucleotides on the DNA target. DS18-si8 is a silencing dsRNA control.

CLAIMS

What is claimed is:

1. A small activating RNA (saRNA) comprising an oligonucleotide sequence having a length ranging from 16 to 35 consecutive nucleotides, wherein the oligonucleotide sequence comprises a continuous nucleotide sequence having at least 75%, at least 80%, at least 85%, or at least 90% homology or complementarity to an equal length portion of SEQ ID NO:1200, wherein the saRNA upregulates the expression of *UTRN* gene by at least 10% as compared to baseline expression of the *UTRN* gene.
2. The saRNA of claim 1, wherein the equal length portion of SEQ ID NO:1200 is located in the region -636 to -496 (SEQ ID NO:1207), region -351 to -294 (SEQ ID NO:1208), region -236 to -187 (SEQ ID NO:1209), or region -101 to -65 (SEQ ID NO:1210) upstream of the transcription start site of *UTRN* gene.
3. The saRNA of any one of claims 1-2, wherein the saRNA (1) has a GC content between 35% and 70%; (2) with less than 5 consecutive identical nucleotides; (3) with 3 or less dinucleotide repeats; and (4) with 3 or less trinucleotide repeats.
4. The saRNA of any one of claims 1-3, wherein the saRNA comprises a sense strand and an antisense strand.
5. The saRNA of any one of claims 1-4, wherein the oligonucleotide sequence is the sense strand or the antisense strand of the saRNA.
6. The saRNA of any one of claims 1-5, wherein the sense strand and the antisense strand each comprise complementary regions, wherein the complementary regions of the sense strand and the antisense strand form a double-stranded nucleic acid structure.
7. The saRNA of any one of claims 4-6, wherein the sense strand and the antisense strand have a complementarity of at least 90%.
8. The saRNA of claim 4, wherein the sense strand and the antisense strand are located on two different nucleic acid strands.
9. The saRNA of claim 4, wherein the sense strand and the antisense strand are located on a contiguous nucleic acid strand, optionally a hairpin single-stranded nucleic acid molecule, wherein the complementary regions of the sense strand and the antisense strand form a double-stranded nucleic acid structure.
10. The saRNA of claim 4, wherein at least one of the sense strand and the antisense strand comprises a 3' overhang ranging from 0 to 6 nucleotides in length.
11. The saRNA of claim 10, wherein the sense strand and the antisense strand comprise a 3' overhang of ranging from 2 to 3 nucleotides in length.

12. The saRNA of claim 10, wherein at least one of the nucleotides of the overhang is nucleotides selected from or complementary to the corresponding nucleotides on the *UTRN* gene.
13. The saRNA of any of claims 4-12, wherein the sense strand and the antisense strand independently comprise a length of about 16 to about 35, about 17 to about 30, about 18 to about 25, or about 19 to about 22 consecutive nucleotides.
14. The saRNA of any one of claims 4-12, wherein the sense strand has at least 75% sequence homology to a nucleotide sequence selected from SEQ ID NOs: 400-797, and the antisense strand has at least 75% sequence homology to a nucleotide sequence selected from SEQ ID NOs: 800-1197.
15. The saRNA of claim 14, wherein the sense strand comprises a nucleotide sequence selected from SEQ ID NOs: 400-797, and the antisense strand comprises a nucleotide sequence selected from SEQ ID NOs: 800-1197.
16. The saRNA of claim 1, wherein the oligonucleotide sequence has at least 75% sequence homology or complementarity to a nucleotide sequence selected from SEQ ID NOs: 1-398.
17. The saRNA of claim 4, wherein the sense strand has at least 75% sequence homology to a nucleotide sequence selected from SEQ ID NOs: 1-398.
18. The saRNA of claim 4, wherein the antisense strand has at least 75% sequence complementarity to a nucleotide sequence selected from SEQ ID NOs: 1-398.
19. The saRNA of any of claims 1-18, wherein at least one nucleotide of the saRNA is a chemically modified nucleotide.
20. The saRNA of claim 19, wherein at least one nucleotide of the antisense and/or sense strand of the saRNA is chemically modified.
21. The saRNA of claim 19, wherein the chemically modified nucleotide is a nucleotide with at least one the following modifications:
    a) modification of a phosphodiester bond connecting nucleotides in the nucleotide sequence of the saRNA;
    b) modification of 2'-OH of a ribose in the nucleotide sequence of the saRNA; and
    c) modification of a base in the nucleotide sequence of the saRNA.
22. The saRNA of claim 19, wherein at least one nucleotide of the saRNA is a locked nucleic acid, an abasic nucleotide, a 2′-amino-modified nucleotide, a 2′-alkyl-modified nucleotide, a morpholino nucleotide, a phosphoramidate, or a non-natural base comprising nucleotide.

23. The saRNA of claim 19, wherein the chemical modification of the at least one chemically modified nucleotide is an addition of a (*E*)-vinylphosphonate moiety at the 5' end of the sense strand or the antisense strand.
24. The saRNA of any one of claims 1-23 wherein the sense strand or the antisense strand of the saRNA is conjugated to one or more conjugation moieties selected from a lipid, a fatty acid, a fluorophore, a ligand, a saccharide, a peptide, and an antibody.
25. The saRNA of claim 24, wherein the sense strand or the antisense strand of the saRNA is conjugated to one or more conjugation moieties selected from a cell-penetrating peptide, polyethylene glycol, an alkaloid, a tryptamine, a benzimidazole, a quinolone, an amino acid, a cholesterol, glucose, and N-acetylgalactosamine, and any combinations thereof.
26. An oligonucleotide modulator comprising one or more saRNA according to any one of claims 1-25.
27. The oligonucleotide modulator of claim 26, further comprising one or more moieties or components conjugated, combined or bonded with said saRNA(s).
28. The oligonucleotide modulator of claim 27, wherein the sense strand and/or the antisense strand of the saRNA is conjugated to one or more conjugation moieties selected from the group consisting of a lipid, a fatty acid, a fluorophore, a ligand, a saccharide, a peptide, and an antibody.
29. The oligonucleotide modulator of claim 27, wherein the conjugation moiety is each independently selected from a lipid, a cell-penetrating peptide, a polyethylene glycol, an alkaloid, a tryptamine, a benzimidazole, a quinolone, an amino acid, a cholesterol, a glucose, a N-acetylgalactosamine, and any combinations thereof.
30. The oligonucleotide modulator of claim 26, wherein the oligonucleotide modulator further comprises a saRNA conjugated to or combined with one or more of other active moieties for *UTRN* associated diseases or disorder treatment, wherein the one or more of other active moieties are each independently selected from a saRNA, a single-stranded oligonucleotide, a chemical moiety, a polypeptide and an antibody.
31. An isolated polynucleotide, wherein the isolated polynucleotide comprises the continuous nucleotide sequence of claim 1.
32. The isolated polynucleotide of claim 31, wherein the isolated polynucleotide is a nucleic acid sequence selected from SEQ ID NOs:1-398.
33. An isolated oligonucleotide complex comprising the antisense strand of the saRNA of any of claims 1-25 and the isolated polynucleotide of any of claims 31-32.

34. The isolated oligonucleotide complex of claim 33, wherein the isolated oligonucleotide complex activates the expression of *UTRN* gene by at least 10% as compared to baseline expression of the *UTRN* gene.
35. An isolated nucleic acid sequence upstream of the transcription start site of *UTRN* gene, wherein the isolated nucleic acid sequence is selected from SEQ ID NOs:1207-1210.
36. The isolated nucleic acid sequence of claim 35, wherein the isolated nucleic acid sequence comprises the isolated polynucleotide of any one of claims 31-32.
37. The isolated nucleic acid sequence of claim 35, wherein at least 25% of designed saRNA targeting the isolated nucleic acid sequence can activate the expression of *UTRN* gene by at least 10%, wherein the designed saRNA (1) having a GC content between 35% and 70%; (2) with less than 5 consecutive identical nucleotides; (3) with 3 or less dinucleotide repeats; and (4) with 3 or less trinucleotide repeats.
38. An isolated nucleic acid complex comprising the antisense strand of the saRNA of any of claims 1-25 and the sense strand of the isolated nucleic acid sequence of any of claims 35-37.
39. The isolated nucleic acid complex of claim 38, wherein the isolated nucleic acid complex activates the expression of *UTRN* gene by at least 10% as compared to baseline expression of the *UTRN* gene.
40. An isolated polynucleotide encoding the saRNA of any one of claims 1-25.
41. The isolated polynucleotide of claim 40, wherein the isolated polynucleotide is a DNA.
42. A vector comprising the isolated polynucleotide of any one of claims 40-41.
43. A host cell comprising the saRNA of any one of claims 1-25, the isolated polynucleotide of any one of claims 40-41, or the vector of claim 42.
44. A composition comprising the saRNA of any one of claims 1-25, or the isolated polynucleotide of claim 40 or claim 41 and optionally, a pharmaceutically acceptable carrier.
45. The composition of claim 44, wherein the pharmaceutically acceptable carrier is selected from the group consisting of an aqueous carrier, a liposome, a high-molecular polymer, a polypeptide and an antibody.
46. The composition of claim 44 or 45, wherein the composition comprises 0.001-200 nM of the saRNA.
47. The composition of claim 46, wherein the composition comprises 1-200 nM of the saRNA.
48. An saRNA comprising an oligonucleotide sequence with a length ranging from 16 to

35 continuous nucleotides for activating/upregulating *UTRN* gene expression in a cell, wherein the oligonucleotide sequence has at least 75%, or at least 80%, or at least 85%, or at least 90% sequence homology or complementary to an equal length portion of SEQ ID NO:1200, wherein the saRNA activates the expression of *UTRN* gene by at least 10% as compared to its baseline expression.

49. The saRNA of claim 48, wherein the equal length region of SEQ ID NO:1200 is located in the region -636 to -496 (SEQ ID NO:1207), region -351 to -294 (SEQ ID NO:1208), region -236 to -187 (SEQ ID NO:1209), or region -101 to -65 (SEQ ID NO:1210) upstream of the transcription start site of *UTRN* gene.
50. The saRNA of claim 49, wherein the saRNA comprises a sense strand and an antisense strand, wherein the sense strand comprises a nucleotide sequence selected from SEQ ID NOs: 400-797, and the antisense strand comprises or is a nucleotide sequence selected from SEQ ID NOs: 800-1197.
51. A product for activating/up-regulating *UTRN* gene expression in a cell, wherein the product activates the expression of *UTRN* gene by at least 10% as compared to baseline expression of the *UTRN* gene, and wherein the product comprises an active substance selected from one or more of the saRNA of any one of claims 1-25, the isolated polynucleotide of any one of claims 40-41, the vector of claim 42, or the composition of any one of claims 44-47.
52. The product for activating/up-regulating *UTRN* gene expression in a cell, wherein the active substance is introduced directly into the cell; and/or

    wherein the cell is *in vitro*, *ex vivo* or *in vivo*; and/or

    wherein the cell is a mammalian cell.
53. The product of claim 52, wherein the active substance is introduced directly into the cell by:

    1) composing the active substance with a physiologically acceptable or pharmaceutically acceptable carrier, such as one or more selected from the group consisting of an aqueous carrier, a liposome, a high-molecular polymer, a polypeptide and an antibody, and/or

    2) conjugating the active substance to one or more conjugation moieties, such as one or more selected from a lipid, a cell-penetrating peptide, a polyethylene glycol, an alkaloid, a tryptamine, a benzimidazole, a quinolone, an amino acid, a cholesterol, a glucose, and a N-acetylgalactosamine, and any combinations thereof (for example two conjugation moieties wherein one is a lipid and the other is a N-acetylgalactosamine).

54. The product of claim 53, wherein the conjugation moiety is independently derived from a fluorophore, a ligand, a saccharide, a peptide, and an antibody.
55. The product for activating/up-regulating *UTRN* gene expression in a cell, wherein the cell is from a patient suffering from or in risk of having a disease or condition induced by insufficient expression of the UTRN protein, a *UTRN* gene mutation, and/or low functional UTRN levels, wherein the active substance is administered in a sufficient amount to prevent or treat the disease or condition, such as Duchenne muscular dystrophy (DMD) or Becker muscular dystrophy (BMD).
56. A method for preventing or treating a disease or condition induced by insufficient expression of dystrophin, a dystrophin gene mutation, and/or low functional dystrophin levels in an individual comprising: administering an effective amount of the saRNA of any one of claims 1-25, the isolated polynucleotide of any one of claims 40-41, the vector of claim 42, or the composition of any one of claims 44-46 to the individual.
57. The method of claim 56, wherein the disease or condition is a dystrophin deficiency disorder (DDD).
58. The method of claim 56, wherein the disease or condition is a Duchenne muscular dystrophy (DMD) or Becker muscular dystrophy (BMD).
59. The method of claim 56, wherein the individual is a mammal, optionally wherein the individual is a human.
60. The method of claim 56, wherein the individual suffers from a symptom induced by insufficient expression of dystrophin, a dystrophin gene mutation, and/or low functional dystrophin levels in an individual.
61. The method of claim 56, wherein the saRNA of any one of claims 1-25, the isolated polynucleotide of any one of claims 40-41, the vector of claim 42, or the composition of any one of claims 44-47 is administrated to an individual by an administration pathway selected from one or more of: parenteral infusions, oral administration, intranasal administration, inhaled administration, vaginal administration, and rectal administration.
62. The method of claim 61, wherein the administration pathway is selected from one or more of intrathecal, intramuscular, intravenous, intraarterial, intraperitoneal, intravesical, intracerebroventricular, intravitreal and subcutaneous administrations.
63. The method of claim 56, wherein the method activates/up-regulates expression of the *UTRN* gene mRNA in the individual by at least 10% as compared to baseline expression of the *UTRN* gene.

64. The method of claim 56, wherein the method increases a level of utrophin in the individual by at least 10% as compared to baseline expression of the *UTRN* gene.
65. A method for detecting dystrophin, utrophin or dystrophin related protein (e.g., dystroglycan) in the host cell of claim 43.
66. A kit for performing the method of claim 56, comprising a) saRNA of claims 1-25.
67. The kit of claim 66, wherein the kit comprises b) instructions for use, and c) optionally, means for administering the saRNA of claims 1-25 to an individual.
68. A kit comprising the saRNA of any one of claims 1-25, the isolated polynucleotide of any one of claims 40-41, the vector of claim 42, or the composition of any one of claims 44-47 in a labeled package and the label on package indicates that the saRNA, the isolated polynucleotide, the vector or the composition can be used in preventing or treating a disease or condition induced by insufficient expression of dystrophin, or against Duchenne muscular dystrophy (DMD) or Becker muscular dystrophy (BMD).
69. A kit for detecting dystrophin, utrophin or dystrophin related protein (e.g., dystroglycan) in the host cell of claim 43.
70. Use of the saRNA of any one of claims 1-25, the isolated polynucleotide of any one of claims 40-41, the vector of claim 42, or the composition of any one of claims 44-47 in preparing a medicament for preventing or treating a disease or condition induced by insufficient expression of dystrophin, a dystrophin gene mutation, and/or low functional dystrophin levels in an individual.
71. The use of claim 70, wherein the disease or condition is a Duchenne muscular dystrophy (DMD) or Becker muscular dystrophy (BMD).
72. The use of claim 70, wherein the individual is a mammal, optionally wherein the mammal is a human.
73. Use of the saRNA of any one of claims 1-25, the isolated polynucleotide of any one of claims 40-41, the vector of claim 42, or the composition of any one of claims 44-47 in preparing a preparation for activating/up-regulating expression of *UTRN* gene in a cell.
74. The use of claim 73, wherein the saRNA of any one of claims 1-25, or the isolated polynucleotide of any one of claims 40-41, the vector of claim 42, or the composition of any one of claims 44-47 is directly introduced into the cell.
75. The use of claim 74, wherein the saRNA is produced in the cell after a nucleotide sequence encoding the saRNA is introduced into the cell.
76. The use of any of claims 73-75, wherein the cell is a mammalian cell, optionally wherein the mammalian cell is a human cell.

77. The use of claim 76, wherein the cell is in a human body.
78. The use of claim 77, wherein the human body is a subject suffering from a symptom induced by the insufficient expression of dystrophin, a dystrophin gene mutation, and/or low functional dystrophin levels in an individual, wherein the saRNA, the isolated polynucleotide or the composition is administered in a sufficient amount to treat the symptom.
79. The use of claim 78, wherein the symptom induced by insufficient expression of dystrophin is a Duchenne muscular dystrophy (DMD) or Becker muscular dystrophy (BMD).
80. A method for activating/up-regulating expression of *UTRN* gene in a cell comprising: administering an effective amount of the saRNA of any one of claims 1-25, the isolated polynucleotide of any one of claims 40-41, the vector of claim 42, or the composition of any one of claims 44-47 to the cell.
81. The method of claim 80, wherein the saRNA of any one of claims 1-25, the isolated polynucleotide of any one of claims 40-41, the vector of claim 42, or the composition of any one of claims 44-47 is introduced directly into the cell.
82. The method of claim 81, wherein the method, for introducing directly into the cell, comprises:

    1) composing the saRNA of any one of claims 1-25, the isolated polynucleotide of any one of claims 40-41, the vector of claim 42, or the saRNA in the composition of any one of claims 44-47 with a pharmaceutically acceptable carrier selected from the group consisting of an aqueous carrier, a liposome, a high-molecular polymer, a polypeptide and an antibody, and

    2) conjugating the saRNA of any one of claims 1-25, the isolated polynucleotide of any one of claims 40-41, the vector of claim 42, or the saRNA in the composition of any one of claims 44-47 to one or more conjugation moieties selected from a cell-penetrating peptide, polyethylene glycol, an alkaloid, a tryptamine, a benzimidazole, a quinolone, an amino acid, a cholesterol, glucose, and N-acetylgalactosamine.
83. The method of any of claims 80-82, wherein the cell is a mammalian cell, for example a cell from a human body.
84. The method of claim 83, wherein the human body is a subject suffering from a symptom induced by insufficient expression of dystrophin, a dystrophin gene mutation, and/or low functional dystrophin levels in an individual, wherein the saRNA, the isolated polynucleotide or the composition is administered in a sufficient amount to

treat the symptom.

85. The method of claim 84, wherein the symptom caused by insufficient expression of dystrophin is Duchenne muscular dystrophy (DMD) or Becker muscular dystrophy (BMD).

86. A method for increasing a level of utrophin in a cell, comprising introducing an effective amount of the saRNA of any one of claims 1-25, the isolated polynucleotide of any one of claims 40-41, the vector of claim 42, or the saRNA in the composition of any one of claims 44-47 into the cell, wherein the saRNA, the isolated polynucleotide or the composition activates expression of *UTRN* gene by at least 10% as compared to baseline expression of the *UTRN* gene.

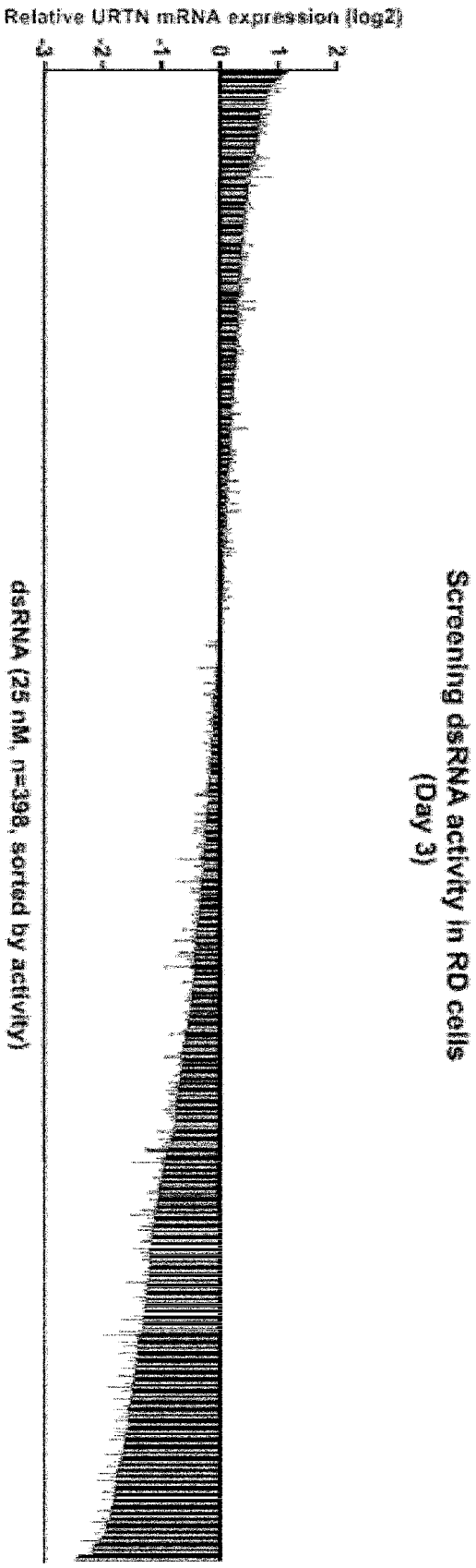

Relative URTN mRNA expression (log2)
-3
-2
-1
0
1
2
dsRNA (25 nM, n=398, sorted by activity)
Screening dsRNA activity in RD cells
(Day 3)

FIG.1

FIG.1

FIG.2

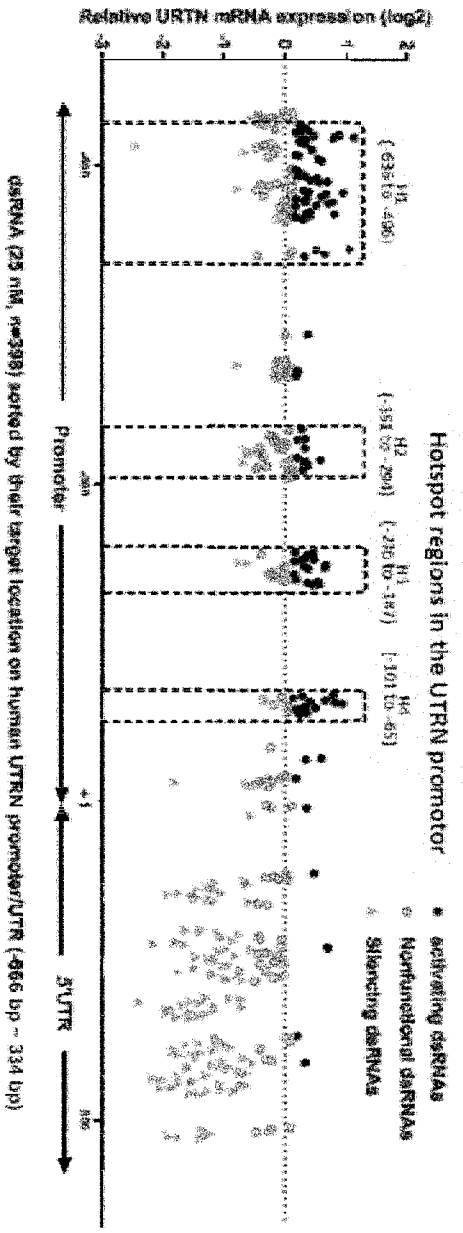

Relative URTN mRNA expression (log2)
Hotspot regions in the UTRN promotor
activating dsRNAs
Nonfunctional dsRNAs
Silencing dsRNAs
Promoter
5'UTR
dsRNA (25 nM, n=338) sorted by their target location on human UTRN promoter/UTR (-866 bp ~ 334 bp)

FIG.2

FIG.3

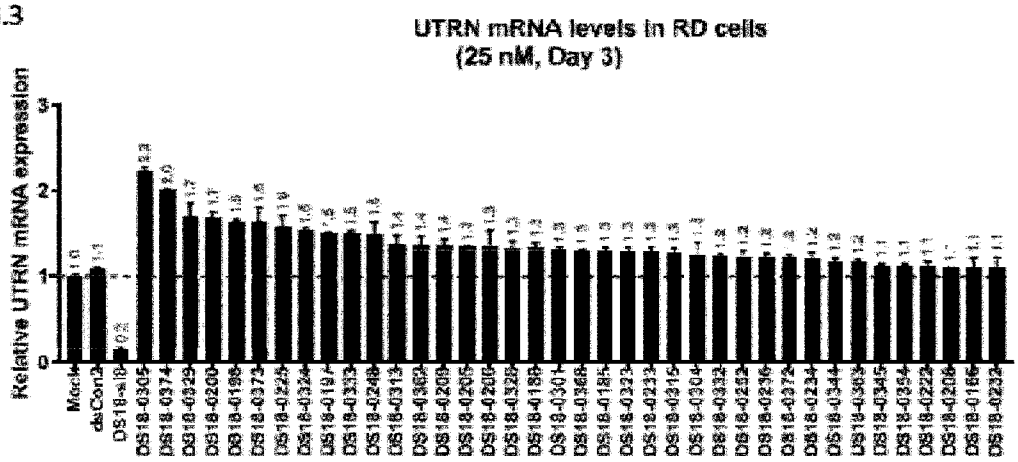


FIG.3

FIG.4

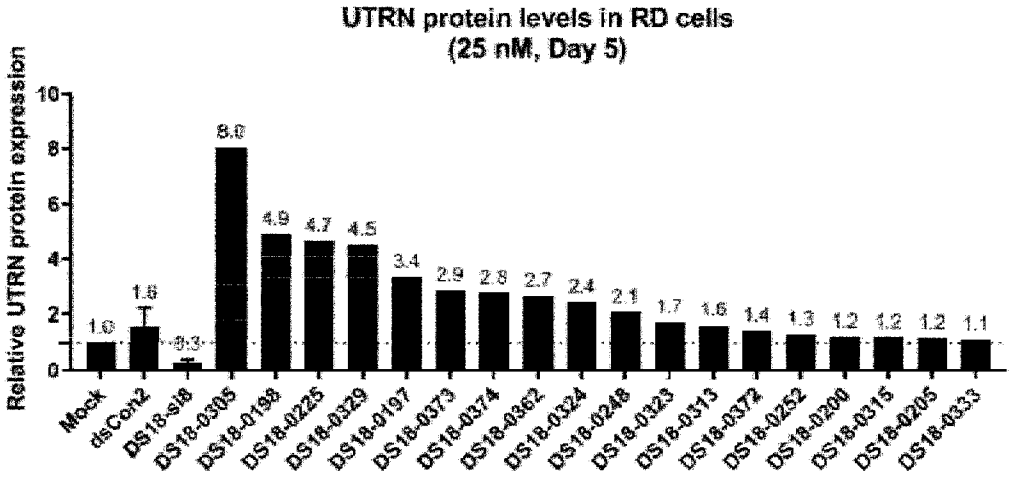


FIG.4

FIG.5

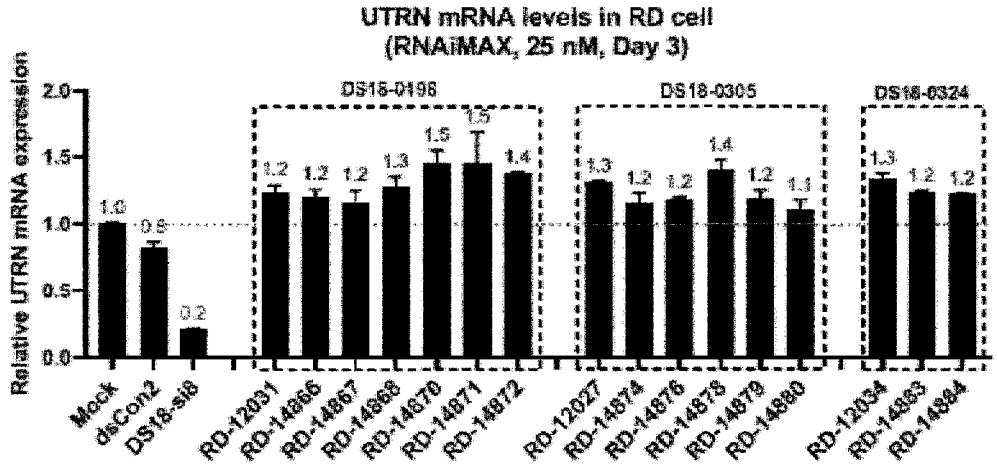


FIG.5

FIG.6A

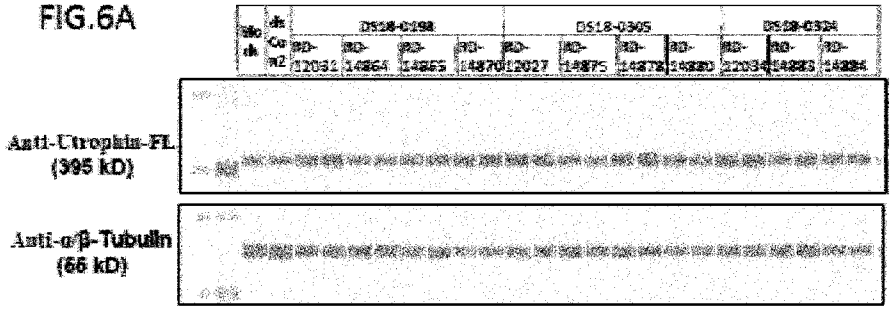


FIG.6B

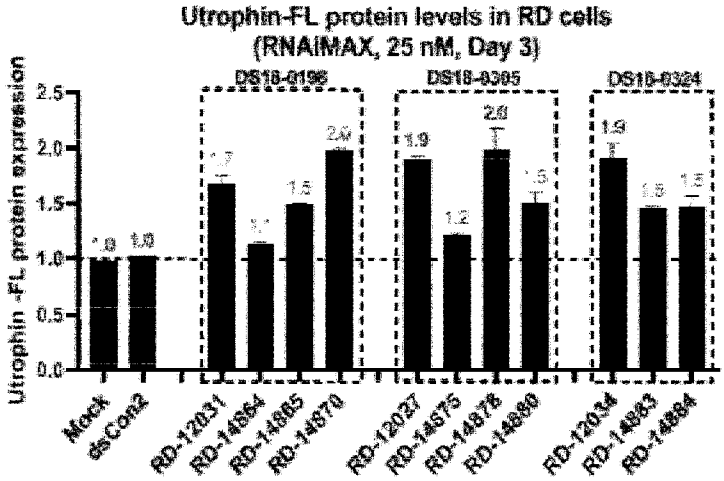


FIG.6

Sequence Listing

1	**Sequence Listing Information**	
1-1	File Name	RAG-ZL-202104-01 UTRN conversional sequence listing.xml
1-2	DTD Version	V1_3
1-3	Software Name	WIPO Sequence
1-4	Software Version	2.2.0
1-5	Production Date	2023-01-11
1-6	Original free text language code	
1-7	Non English free text language code	
2	**General Information**	
2-1	Current application: IP Office	
2-2	Current application: Application number	
2-3	Current application: Filing date	
2-4	Current application: Applicant file reference	RAG-ZL-202104-01
2-5	Earliest priority application: IP Office	WO
2-6	Earliest priority application: Application number	PCT/CN2022/072958
2-7	Earliest priority application: Filing date	2022-01-20
2-8en	Applicant name	RACTIGEN THREAPEUTIES
2-8	Applicant name: Name Latin	
2-9en	Inventor name	
2-9	Inventor name: Name Latin	
2-10en	Invention title	OLIGONUCLEOTIDE MODULATORS ACTIVATING UTROPHIN EXPRESSION
2-11	Sequence Total Quantity	1241

3-1	**Sequences**		
3-1-1	Sequence Number [ID]	1	
3-1-2	Molecule Type	DNA	
3-1-3	Length	19	
3-1-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1-5	Residues	`ggttcgtgtc tgcttctcc`	19
3-2	**Sequences**		
3-2-1	Sequence Number [ID]	2	
3-2-2	Molecule Type	DNA	
3-2-3	Length	19	
3-2-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-2-5	Residues	`cggttcgtgt ctgcttctc`	19
3-3	**Sequences**		
3-3-1	Sequence Number [ID]	3	
3-3-2	Molecule Type	DNA	
3-3-3	Length	19	
3-3-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-3-5	Residues	`tcggttcgtg tctgcttct`	19
3-4	**Sequences**		
3-4-1	Sequence Number [ID]	4	
3-4-2	Molecule Type	DNA	
3-4-3	Length	19	
3-4-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-4-5	Residues	`ttcggttcgt gtctgcttc`	19
3-5	**Sequences**		
3-5-1	Sequence Number [ID]	5	
3-5-2	Molecule Type	DNA	
3-5-3	Length	19	
3-5-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-5-5	Residues	`tttcggttcg tgtctgctt`	19
3-6	**Sequences**		
3-6-1	Sequence Number [ID]	6	
3-6-2	Molecule Type	DNA	
3-6-3	Length	19	
3-6-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		

3-6-5	Residues	atttcggttc gtgtctgct	19
3-7	**Sequences**		
3-7-1	Sequence Number [ID]	7	
3-7-2	Molecule Type	DNA	
3-7-3	Length	19	
3-7-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-7-5	Residues	aatttcggtt cgtgtctgc	19
3-8	**Sequences**		
3-8-1	Sequence Number [ID]	8	
3-8-2	Molecule Type	DNA	
3-8-3	Length	19	
3-8-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-8-5	Residues	aaatttcggt tcgtgtctg	19
3-9	**Sequences**		
3-9-1	Sequence Number [ID]	9	
3-9-2	Molecule Type	DNA	
3-9-3	Length	19	
3-9-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-9-5	Residues	aaaatttcgg ttcgtgtct	19
3-10	**Sequences**		
3-10-1	Sequence Number [ID]	10	
3-10-2	Molecule Type	DNA	
3-10-3	Length	19	
3-10-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-10-5	Residues	taaaatttcg gttcgtgtc	19
3-11	**Sequences**		
3-11-1	Sequence Number [ID]	11	
3-11-2	Molecule Type	DNA	
3-11-3	Length	19	
3-11-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-11-5	Residues	ggtgtcaatt tctctttct	19
3-12	**Sequences**		
3-12-1	Sequence Number [ID]	12	
3-12-2	Molecule Type	DNA	
3-12-3	Length	19	
3-12-4	Features Location/	**misc_feature 1..19**	
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		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	

	NonEnglishQualifier Value		
3-12-5	Residues	gggtgtcaat ttctctttc	19
3-13	**Sequences**		
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3-13-2	Molecule Type	DNA	
3-13-3	Length	19	
3-13-4	Features Location/	**misc_feature 1..19**	
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		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-13-5	Residues	cgggtgtcaa tttctcttt	19
3-14	**Sequences**		
3-14-1	Sequence Number [ID]	14	
3-14-2	Molecule Type	DNA	
3-14-3	Length	19	
3-14-4	Features Location/	**misc_feature 1..19**	
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		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
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3-15	**Sequences**		
3-15-1	Sequence Number [ID]	15	
3-15-2	Molecule Type	DNA	
3-15-3	Length	19	
3-15-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
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	NonEnglishQualifier Value		
3-15-5	Residues	gtcgggtgtc aatttctct	19
3-16	**Sequences**		
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3-16-2	Molecule Type	DNA	
3-16-3	Length	19	
3-16-4	Features Location/	**misc_feature 1..19**	
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		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
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3-17-1	Sequence Number [ID]	17	
3-17-2	Molecule Type	DNA	
3-17-3	Length	19	
3-17-4	Features Location/	**misc_feature 1..19**	
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		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-17-5	Residues	cagtcgggtg tcaatttct	19
3-18	**Sequences**		
3-18-1	Sequence Number [ID]	18	
3-18-2	Molecule Type	DNA	
3-18-3	Length	19	
3-18-4	Features Location/	**misc_feature 1..19**	
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		source 1..19	
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		organism=synthetic construct	
	NonEnglishQualifier Value		
3-18-5	Residues	tcagtcgggt gtcaatttc	19
3-19	**Sequences**		
3-19-1	Sequence Number [ID]	19	
3-19-2	Molecule Type	DNA	
3-19-3	Length	19	
3-19-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-19-5	Residues	ttcagtcggg tgtcaattt	19
3-20	**Sequences**		
3-20-1	Sequence Number [ID]	20	
3-20-2	Molecule Type	DNA	
3-20-3	Length	19	
3-20-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
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3-21	**Sequences**		
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3-21-2	Molecule Type	DNA	
3-21-3	Length	19	
3-21-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
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		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-21-5	Residues	ttttcagtcg ggtgtcaat	19
3-22	**Sequences**		
3-22-1	Sequence Number [ID]	22	
3-22-2	Molecule Type	DNA	
3-22-3	Length	19	
3-22-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-22-5	Residues	gttttcagtc gggtgtcaa	19
3-23	**Sequences**		
3-23-1	Sequence Number [ID]	23	
3-23-2	Molecule Type	DNA	
3-23-3	Length	19	
3-23-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
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3-24	**Sequences**		
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3-24-2	Molecule Type	DNA	
3-24-3	Length	19	
3-24-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	

		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-24-5	Residues	gcgttttcag tcgggtgtc	19
3-25	**Sequences**		
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3-25-2	Molecule Type	DNA	
3-25-3	Length	19	
3-25-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
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3-26	**Sequences**		
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3-26-2	Molecule Type	DNA	
3-26-3	Length	19	
3-26-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-26-5	Residues	gggcgttttc agtcgggtg	19
3-27	**Sequences**		
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3-27-2	Molecule Type	DNA	
3-27-3	Length	19	
3-27-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-27-5	Residues	ggggcgtttt cagtcgggt	19
3-28	**Sequences**		
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3-28-2	Molecule Type	DNA	
3-28-3	Length	19	
3-28-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-28-5	Residues	aggggcgttt tcagtcggg	19
3-29	**Sequences**		
3-29-1	Sequence Number [ID]	29	
3-29-2	Molecule Type	DNA	
3-29-3	Length	19	
3-29-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-29-5	Residues	aaggggcgtt ttcagtcgg	19
3-30	**Sequences**		
3-30-1	Sequence Number [ID]	30	
3-30-2	Molecule Type	DNA	
3-30-3	Length	19	
3-30-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	

		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-30-5	Residues	taaggggcgt tttcagtcg	19
3-31	**Sequences**		
3-31-1	Sequence Number [ID]	31	
3-31-2	Molecule Type	DNA	
3-31-3	Length	19	
3-31-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-31-5	Residues	gtaaggggcg ttttcagtc	19
3-32	**Sequences**		
3-32-1	Sequence Number [ID]	32	
3-32-2	Molecule Type	DNA	
3-32-3	Length	19	
3-32-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-32-5	Residues	agtaaggggc gttttcagt	19
3-33	**Sequences**		
3-33-1	Sequence Number [ID]	33	
3-33-2	Molecule Type	DNA	
3-33-3	Length	19	
3-33-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-33-5	Residues	aagtaagggg cgttttcag	19
3-34	**Sequences**		
3-34-1	Sequence Number [ID]	34	
3-34-2	Molecule Type	DNA	
3-34-3	Length	19	
3-34-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-34-5	Residues	caagtaaggg gcgttttca	19
3-35	**Sequences**		
3-35-1	Sequence Number [ID]	35	
3-35-2	Molecule Type	DNA	
3-35-3	Length	19	
3-35-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-35-5	Residues	acaagtaagg ggcgttttc	19
3-36	**Sequences**		
3-36-1	Sequence Number [ID]	36	
3-36-2	Molecule Type	DNA	
3-36-3	Length	19	

3-36-4	Features Location/ Qualifiers	**misc_feature 1..19** note=Synthetic oligonucleotide **source 1..19** mol_type=other DNA organism=synthetic construct	
	NonEnglishQualifier Value		
3-36-5	Residues	cacaagtaag gggcgtttt	19
3-37	**Sequences**		
3-37-1	Sequence Number [ID]	37	
3-37-2	Molecule Type	DNA	
3-37-3	Length	19	
3-37-4	Features Location/ Qualifiers	**misc_feature 1..19** note=Synthetic oligonucleotide **source 1..19** mol_type=other DNA organism=synthetic construct	
	NonEnglishQualifier Value		
3-37-5	Residues	gcacaagtaa ggggcgttt	19
3-38	**Sequences**		
3-38-1	Sequence Number [ID]	38	
3-38-2	Molecule Type	DNA	
3-38-3	Length	19	
3-38-4	Features Location/ Qualifiers	**misc_feature 1..19** note=Synthetic oligonucleotide **source 1..19** mol_type=other DNA organism=synthetic construct	
	NonEnglishQualifier Value		
3-38-5	Residues	tgcacaagta aggggcgtt	19
3-39	**Sequences**		
3-39-1	Sequence Number [ID]	39	
3-39-2	Molecule Type	DNA	
3-39-3	Length	19	
3-39-4	Features Location/ Qualifiers	**misc_feature 1..19** note=Synthetic oligonucleotide **source 1..19** mol_type=other DNA organism=synthetic construct	
	NonEnglishQualifier Value		
3-39-5	Residues	ttgcacaagt aaggggcgt	19
3-40	**Sequences**		
3-40-1	Sequence Number [ID]	40	
3-40-2	Molecule Type	DNA	
3-40-3	Length	19	
3-40-4	Features Location/ Qualifiers	**misc_feature 1..19** note=Synthetic oligonucleotide **source 1..19** mol_type=other DNA organism=synthetic construct	
	NonEnglishQualifier Value		
3-40-5	Residues	attgcacaag taaggggcg	19
3-41	**Sequences**		
3-41-1	Sequence Number [ID]	41	
3-41-2	Molecule Type	DNA	
3-41-3	Length	19	
3-41-4	Features Location/ Qualifiers	**misc_feature 1..19** note=Synthetic oligonucleotide **source 1..19** mol_type=other DNA organism=synthetic construct	
	NonEnglishQualifier Value		
3-41-5	Residues	gattgcacaa gtaaggggc	19
3-42	**Sequences**		
3-42-1	Sequence Number [ID]	42	
3-42-2	Molecule Type	DNA	

3-42-3	Length	19	
3-42-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-42-5	Residues	agattgcaca agtaagggg	19
3-43	**Sequences**		
3-43-1	Sequence Number [ID]	43	
3-43-2	Molecule Type	DNA	
3-43-3	Length	19	
3-43-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-43-5	Residues	aagattgcac aagtaaggg	19
3-44	**Sequences**		
3-44-1	Sequence Number [ID]	44	
3-44-2	Molecule Type	DNA	
3-44-3	Length	19	
3-44-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-44-5	Residues	gaagattgca caagtaagg	19
3-45	**Sequences**		
3-45-1	Sequence Number [ID]	45	
3-45-2	Molecule Type	DNA	
3-45-3	Length	19	
3-45-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-45-5	Residues	ggaagattgc acaagtaag	19
3-46	**Sequences**		
3-46-1	Sequence Number [ID]	46	
3-46-2	Molecule Type	DNA	
3-46-3	Length	19	
3-46-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-46-5	Residues	aggaagattg cacaagtaa	19
3-47	**Sequences**		
3-47-1	Sequence Number [ID]	47	
3-47-2	Molecule Type	DNA	
3-47-3	Length	19	
3-47-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-47-5	Residues	caggaagatt gcacaagta	19
3-48	**Sequences**		
3-48-1	Sequence Number [ID]	48	

3-48-2	Molecule Type	DNA	
3-48-3	Length	19	
3-48-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-48-5	Residues	gcaggaagat tgcacaagt	19
3-49	**Sequences**		
3-49-1	Sequence Number [ID]	49	
3-49-2	Molecule Type	DNA	
3-49-3	Length	19	
3-49-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-49-5	Residues	ggcaggaaga ttgcacaag	19
3-50	**Sequences**		
3-50-1	Sequence Number [ID]	50	
3-50-2	Molecule Type	DNA	
3-50-3	Length	19	
3-50-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-50-5	Residues	aggcaggaag attgcacaa	19
3-51	**Sequences**		
3-51-1	Sequence Number [ID]	51	
3-51-2	Molecule Type	DNA	
3-51-3	Length	19	
3-51-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-51-5	Residues	caggcaggaa gattgcaca	19
3-52	**Sequences**		
3-52-1	Sequence Number [ID]	52	
3-52-2	Molecule Type	DNA	
3-52-3	Length	19	
3-52-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-52-5	Residues	ccaggcagga agattgcac	19
3-53	**Sequences**		
3-53-1	Sequence Number [ID]	53	
3-53-2	Molecule Type	DNA	
3-53-3	Length	19	
3-53-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-53-5	Residues	accaggcagg aagattgca	19
3-54	**Sequences**		

3-54-1	Sequence Number [ID]	54	
3-54-2	Molecule Type	DNA	
3-54-3	Length	19	
3-54-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-54-5	Residues	taccaggcag gaagattgc	19
3-55	**Sequences**		
3-55-1	Sequence Number [ID]	55	
3-55-2	Molecule Type	DNA	
3-55-3	Length	19	
3-55-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-55-5	Residues	ctaccaggca ggaagattg	19
3-56	**Sequences**		
3-56-1	Sequence Number [ID]	56	
3-56-2	Molecule Type	DNA	
3-56-3	Length	19	
3-56-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-56-5	Residues	actaccaggc aggaagatt	19
3-57	**Sequences**		
3-57-1	Sequence Number [ID]	57	
3-57-2	Molecule Type	DNA	
3-57-3	Length	19	
3-57-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-57-5	Residues	aactaccagg caggaagat	19
3-58	**Sequences**		
3-58-1	Sequence Number [ID]	58	
3-58-2	Molecule Type	DNA	
3-58-3	Length	19	
3-58-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-58-5	Residues	gaactaccag gcaggaaga	19
3-59	**Sequences**		
3-59-1	Sequence Number [ID]	59	
3-59-2	Molecule Type	DNA	
3-59-3	Length	19	
3-59-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-59-5	Residues	ggaactacca ggcaggaag	19

3-60	**Sequences**		
3-60-1	Sequence Number [ID]	60	
3-60-2	Molecule Type	DNA	
3-60-3	Length	19	
3-60-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-60-5	Residues	`cggaactacc aggcaggaa`	19
3-61	**Sequences**		
3-61-1	Sequence Number [ID]	61	
3-61-2	Molecule Type	DNA	
3-61-3	Length	19	
3-61-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-61-5	Residues	`gcggaactac caggcagga`	19
3-62	**Sequences**		
3-62-1	Sequence Number [ID]	62	
3-62-2	Molecule Type	DNA	
3-62-3	Length	19	
3-62-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-62-5	Residues	`ggcggaacta ccaggcagg`	19
3-63	**Sequences**		
3-63-1	Sequence Number [ID]	63	
3-63-2	Molecule Type	DNA	
3-63-3	Length	19	
3-63-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-63-5	Residues	`tggcggaact accaggcag`	19
3-64	**Sequences**		
3-64-1	Sequence Number [ID]	64	
3-64-2	Molecule Type	DNA	
3-64-3	Length	19	
3-64-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-64-5	Residues	`ttggcggaac taccaggca`	19
3-65	**Sequences**		
3-65-1	Sequence Number [ID]	65	
3-65-2	Molecule Type	DNA	
3-65-3	Length	19	
3-65-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		

3-65-5	Residues	tttggcggaa ctaccaggc	19
3-66	**Sequences**		
3-66-1	Sequence Number [ID]	66	
3-66-2	Molecule Type	DNA	
3-66-3	Length	19	
3-66-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-66-5	Residues	ttttggcgga actaccagg	19
3-67	**Sequences**		
3-67-1	Sequence Number [ID]	67	
3-67-2	Molecule Type	DNA	
3-67-3	Length	19	
3-67-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-67-5	Residues	cgctttgact gttttgttt	19
3-68	**Sequences**		
3-68-1	Sequence Number [ID]	68	
3-68-2	Molecule Type	DNA	
3-68-3	Length	19	
3-68-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-68-5	Residues	gcgctttgac tgttttgtt	19
3-69	**Sequences**		
3-69-1	Sequence Number [ID]	69	
3-69-2	Molecule Type	DNA	
3-69-3	Length	19	
3-69-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-69-5	Residues	tgcgctttga ctgttttgt	19
3-70	**Sequences**		
3-70-1	Sequence Number [ID]	70	
3-70-2	Molecule Type	DNA	
3-70-3	Length	19	
3-70-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-70-5	Residues	ttgcgctttg actgttttg	19
3-71	**Sequences**		
3-71-1	Sequence Number [ID]	71	
3-71-2	Molecule Type	DNA	
3-71-3	Length	19	
3-71-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	

	NonEnglishQualifier Value		
3-71-5	Residues	tttgcgcttt gactgtttt	19
3-72	**Sequences**		
3-72-1	Sequence Number [ID]	72	
3-72-2	Molecule Type	DNA	
3-72-3	Length	19	
3-72-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-72-5	Residues	gtttgcgctt tgactgttt	19
3-73	**Sequences**		
3-73-1	Sequence Number [ID]	73	
3-73-2	Molecule Type	DNA	
3-73-3	Length	19	
3-73-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-73-5	Residues	ggtttgcgct ttgactgtt	19
3-74	**Sequences**		
3-74-1	Sequence Number [ID]	74	
3-74-2	Molecule Type	DNA	
3-74-3	Length	19	
3-74-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-74-5	Residues	aggtttgcgc tttgactgt	19
3-75	**Sequences**		
3-75-1	Sequence Number [ID]	75	
3-75-2	Molecule Type	DNA	
3-75-3	Length	19	
3-75-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-75-5	Residues	caggtttgcg ctttgactg	19
3-76	**Sequences**		
3-76-1	Sequence Number [ID]	76	
3-76-2	Molecule Type	DNA	
3-76-3	Length	19	
3-76-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-76-5	Residues	ccaggtttgc gctttgact	19
3-77	**Sequences**		
3-77-1	Sequence Number [ID]	77	
3-77-2	Molecule Type	DNA	
3-77-3	Length	19	
3-77-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	

		organism=synthetic construct	
	NonEnglishQualifier Value		
3-77-5	Residues	tccaggtttg cgctttgac	19
3-78	**Sequences**		
3-78-1	Sequence Number [ID]	78	
3-78-2	Molecule Type	DNA	
3-78-3	Length	19	
3-78-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-78-5	Residues	ttccaggttt gcgctttga	19
3-79	**Sequences**		
3-79-1	Sequence Number [ID]	79	
3-79-2	Molecule Type	DNA	
3-79-3	Length	19	
3-79-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-79-5	Residues	cttccaggtt tgcgctttg	19
3-80	**Sequences**		
3-80-1	Sequence Number [ID]	80	
3-80-2	Molecule Type	DNA	
3-80-3	Length	19	
3-80-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-80-5	Residues	ccttccaggt ttgcgcttt	19
3-81	**Sequences**		
3-81-1	Sequence Number [ID]	81	
3-81-2	Molecule Type	DNA	
3-81-3	Length	19	
3-81-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-81-5	Residues	cccttccagg tttgcgctt	19
3-82	**Sequences**		
3-82-1	Sequence Number [ID]	82	
3-82-2	Molecule Type	DNA	
3-82-3	Length	19	
3-82-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-82-5	Residues	cccttccag gtttgcgct	19
3-83	**Sequences**		
3-83-1	Sequence Number [ID]	83	
3-83-2	Molecule Type	DNA	
3-83-3	Length	19	
3-83-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	

		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-83-5	Residues	gccccttcca ggtttgcgc	19
3-84	**Sequences**		
3-84-1	Sequence Number [ID]	84	
3-84-2	Molecule Type	DNA	
3-84-3	Length	19	
3-84-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-84-5	Residues	cgccccttcc aggtttgcg	19
3-85	**Sequences**		
3-85-1	Sequence Number [ID]	85	
3-85-2	Molecule Type	DNA	
3-85-3	Length	19	
3-85-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-85-5	Residues	gcgccccttc caggtttgc	19
3-86	**Sequences**		
3-86-1	Sequence Number [ID]	86	
3-86-2	Molecule Type	DNA	
3-86-3	Length	19	
3-86-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-86-5	Residues	cgcgcccctt ccaggtttg	19
3-87	**Sequences**		
3-87-1	Sequence Number [ID]	87	
3-87-2	Molecule Type	DNA	
3-87-3	Length	19	
3-87-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-87-5	Residues	caaagttggt gcctgcgcg	19
3-88	**Sequences**		
3-88-1	Sequence Number [ID]	88	
3-88-2	Molecule Type	DNA	
3-88-3	Length	19	
3-88-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-88-5	Residues	gcaaagttgg tgcctgcgc	19
3-89	**Sequences**		
3-89-1	Sequence Number [ID]	89	
3-89-2	Molecule Type	DNA	
3-89-3	Length	19	
3-89-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	

		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-89-5	Residues	ggcaaagttg gtgcctgcg	19
3-90	**Sequences**		
3-90-1	Sequence Number [ID]	90	
3-90-2	Molecule Type	DNA	
3-90-3	Length	19	
3-90-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-90-5	Residues	tggcaaagtt ggtgcctgc	19
3-91	**Sequences**		
3-91-1	Sequence Number [ID]	91	
3-91-2	Molecule Type	DNA	
3-91-3	Length	19	
3-91-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-91-5	Residues	ttggcaaagt tggtgcctg	19
3-92	**Sequences**		
3-92-1	Sequence Number [ID]	92	
3-92-2	Molecule Type	DNA	
3-92-3	Length	19	
3-92-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-92-5	Residues	tttggcaaag ttggtgcct	19
3-93	**Sequences**		
3-93-1	Sequence Number [ID]	93	
3-93-2	Molecule Type	DNA	
3-93-3	Length	19	
3-93-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-93-5	Residues	gtttggcaaa gttggtgcc	19
3-94	**Sequences**		
3-94-1	Sequence Number [ID]	94	
3-94-2	Molecule Type	DNA	
3-94-3	Length	19	
3-94-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-94-5	Residues	cgtttggcaa agttggtgc	19
3-95	**Sequences**		
3-95-1	Sequence Number [ID]	95	
3-95-2	Molecule Type	DNA	
3-95-3	Length	19	

3-95-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-95-5	Residues	gcgtttggca aagttggtg	19
3-96	**Sequences**		
3-96-1	Sequence Number [ID]	96	
3-96-2	Molecule Type	DNA	
3-96-3	Length	19	
3-96-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-96-5	Residues	agcgtttggc aaagttggt	19
3-97	**Sequences**		
3-97-1	Sequence Number [ID]	97	
3-97-2	Molecule Type	DNA	
3-97-3	Length	19	
3-97-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-97-5	Residues	tagcgtttgg caaagttgg	19
3-98	**Sequences**		
3-98-1	Sequence Number [ID]	98	
3-98-2	Molecule Type	DNA	
3-98-3	Length	19	
3-98-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-98-5	Residues	gtagcgtttg gcaaagttg	19
3-99	**Sequences**		
3-99-1	Sequence Number [ID]	99	
3-99-2	Molecule Type	DNA	
3-99-3	Length	19	
3-99-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-99-5	Residues	tgtagcgttt ggcaaagtt	19
3-100	**Sequences**		
3-100-1	Sequence Number [ID]	100	
3-100-2	Molecule Type	DNA	
3-100-3	Length	19	
3-100-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-100-5	Residues	ctgtagcgtt tggcaaagt	19
3-101	**Sequences**		
3-101-1	Sequence Number [ID]	101	
3-101-2	Molecule Type	DNA	

3-101-3	Length	19	
3-101-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-101-5	Residues	tctgtagcgt ttggcaaag	19
3-102	**Sequences**		
3-102-1	Sequence Number [ID]	102	
3-102-2	Molecule Type	DNA	
3-102-3	Length	19	
3-102-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-102-5	Residues	ctctgtagcg tttggcaaa	19
3-103	**Sequences**		
3-103-1	Sequence Number [ID]	103	
3-103-2	Molecule Type	DNA	
3-103-3	Length	19	
3-103-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-103-5	Residues	actctgtagc gtttggcaa	19
3-104	**Sequences**		
3-104-1	Sequence Number [ID]	104	
3-104-2	Molecule Type	DNA	
3-104-3	Length	19	
3-104-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-104-5	Residues	aactctgtag cgtttggca	19
3-105	**Sequences**		
3-105-1	Sequence Number [ID]	105	
3-105-2	Molecule Type	DNA	
3-105-3	Length	19	
3-105-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-105-5	Residues	aaactctgta gcgtttggc	19
3-106	**Sequences**		
3-106-1	Sequence Number [ID]	106	
3-106-2	Molecule Type	DNA	
3-106-3	Length	19	
3-106-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-106-5	Residues	aaaactctgt agcgtttgg	19
3-107	**Sequences**		
3-107-1	Sequence Number [ID]	107	

3-107-2	Molecule Type	DNA	
3-107-3	Length	19	
3-107-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-107-5	Residues	gaaaactctg tagcgtttg	19
3-108	**Sequences**		
3-108-1	Sequence Number [ID]	108	
3-108-2	Molecule Type	DNA	
3-108-3	Length	19	
3-108-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-108-5	Residues	ggaaaactct gtagcgttt	19
3-109	**Sequences**		
3-109-1	Sequence Number [ID]	109	
3-109-2	Molecule Type	DNA	
3-109-3	Length	19	
3-109-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-109-5	Residues	cggaaaactc tgtagcgtt	19
3-110	**Sequences**		
3-110-1	Sequence Number [ID]	110	
3-110-2	Molecule Type	DNA	
3-110-3	Length	19	
3-110-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-110-5	Residues	acggaaaact ctgtagcgt	19
3-111	**Sequences**		
3-111-1	Sequence Number [ID]	111	
3-111-2	Molecule Type	DNA	
3-111-3	Length	19	
3-111-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-111-5	Residues	aacggaaaac tctgtagcg	19
3-112	**Sequences**		
3-112-1	Sequence Number [ID]	112	
3-112-2	Molecule Type	DNA	
3-112-3	Length	19	
3-112-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-112-5	Residues	aaacggaaaa ctctgtagc	19
3-113	**Sequences**		

3-113-1	Sequence Number [ID]	113	
3-113-2	Molecule Type	DNA	
3-113-3	Length	19	
3-113-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-113-5	Residues	caaacggaaa actctgtag	19
3-114	**Sequences**		
3-114-1	Sequence Number [ID]	114	
3-114-2	Molecule Type	DNA	
3-114-3	Length	19	
3-114-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-114-5	Residues	gcaaacggaa aactctgta	19
3-115	**Sequences**		
3-115-1	Sequence Number [ID]	115	
3-115-2	Molecule Type	DNA	
3-115-3	Length	19	
3-115-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-115-5	Residues	tgcaaacgga aaactctgt	19
3-116	**Sequences**		
3-116-1	Sequence Number [ID]	116	
3-116-2	Molecule Type	DNA	
3-116-3	Length	19	
3-116-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-116-5	Residues	ctgcaaacgg aaaactctg	19
3-117	**Sequences**		
3-117-1	Sequence Number [ID]	117	
3-117-2	Molecule Type	DNA	
3-117-3	Length	19	
3-117-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-117-5	Residues	tctgcaaacg gaaaactct	19
3-118	**Sequences**		
3-118-1	Sequence Number [ID]	118	
3-118-2	Molecule Type	DNA	
3-118-3	Length	19	
3-118-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-118-5	Residues	ttctgcaaac ggaaaactc	19

3-119	**Sequences**		
3-119-1	Sequence Number [ID]	119	
3-119-2	Molecule Type	DNA	
3-119-3	Length	19	
3-119-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-119-5	Residues	`tttctgcaaa cggaaaact`	19
3-120	**Sequences**		
3-120-1	Sequence Number [ID]	120	
3-120-2	Molecule Type	DNA	
3-120-3	Length	19	
3-120-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-120-5	Residues	`atttctgcaa acggaaaac`	19
3-121	**Sequences**		
3-121-1	Sequence Number [ID]	121	
3-121-2	Molecule Type	DNA	
3-121-3	Length	19	
3-121-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-121-5	Residues	`catttctgca aacggaaaa`	19
3-122	**Sequences**		
3-122-1	Sequence Number [ID]	122	
3-122-2	Molecule Type	DNA	
3-122-3	Length	19	
3-122-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-122-5	Residues	`tcatttctgc aaacggaaa`	19
3-123	**Sequences**		
3-123-1	Sequence Number [ID]	123	
3-123-2	Molecule Type	DNA	
3-123-3	Length	19	
3-123-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-123-5	Residues	`gtcatttctg caaacggaa`	19
3-124	**Sequences**		
3-124-1	Sequence Number [ID]	124	
3-124-2	Molecule Type	DNA	
3-124-3	Length	19	
3-124-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		

3-124-5	Residues	ggtcatttct gcaaacgga	19
3-125	**Sequences**		
3-125-1	Sequence Number [ID]	125	
3-125-2	Molecule Type	DNA	
3-125-3	Length	19	
3-125-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-125-5	Residues	gggtcatttc tgcaaacgg	19
3-126	**Sequences**		
3-126-1	Sequence Number [ID]	126	
3-126-2	Molecule Type	DNA	
3-126-3	Length	19	
3-126-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-126-5	Residues	tgggtcattt ctgcaaacg	19
3-127	**Sequences**		
3-127-1	Sequence Number [ID]	127	
3-127-2	Molecule Type	DNA	
3-127-3	Length	19	
3-127-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-127-5	Residues	ttgggtcatt tctgcaaac	19
3-128	**Sequences**		
3-128-1	Sequence Number [ID]	128	
3-128-2	Molecule Type	DNA	
3-128-3	Length	19	
3-128-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-128-5	Residues	tttgggtcat ttctgcaaa	19
3-129	**Sequences**		
3-129-1	Sequence Number [ID]	129	
3-129-2	Molecule Type	DNA	
3-129-3	Length	19	
3-129-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-129-5	Residues	ttttgggtca tttctgcaa	19
3-130	**Sequences**		
3-130-1	Sequence Number [ID]	130	
3-130-2	Molecule Type	DNA	
3-130-3	Length	19	
3-130-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	

	NonEnglishQualifier Value		
3-130-5	Residues	cttttgggtc atttctgca	19
3-131	**Sequences**		
3-131-1	Sequence Number [ID]	131	
3-131-2	Molecule Type	DNA	
3-131-3	Length	19	
3-131-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-131-5	Residues	tcttttgggt catttctgc	19
3-132	**Sequences**		
3-132-1	Sequence Number [ID]	132	
3-132-2	Molecule Type	DNA	
3-132-3	Length	19	
3-132-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-132-5	Residues	ttcttttggg tcatttctg	19
3-133	**Sequences**		
3-133-1	Sequence Number [ID]	133	
3-133-2	Molecule Type	DNA	
3-133-3	Length	19	
3-133-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-133-5	Residues	cttcttttgg gtcatttct	19
3-134	**Sequences**		
3-134-1	Sequence Number [ID]	134	
3-134-2	Molecule Type	DNA	
3-134-3	Length	19	
3-134-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-134-5	Residues	ccttcttttg ggtcatttc	19
3-135	**Sequences**		
3-135-1	Sequence Number [ID]	135	
3-135-2	Molecule Type	DNA	
3-135-3	Length	19	
3-135-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-135-5	Residues	cccttctttt gggtcattt	19
3-136	**Sequences**		
3-136-1	Sequence Number [ID]	136	
3-136-2	Molecule Type	DNA	
3-136-3	Length	19	
3-136-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	

		organism=synthetic construct	
	NonEnglishQualifier Value		
3-136-5	Residues	`ccccttcttt tgggtcatt`	19
3-137	**Sequences**		
3-137-1	Sequence Number [ID]	137	
3-137-2	Molecule Type	DNA	
3-137-3	Length	19	
3-137-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-137-5	Residues	`tggggaatca cggggagcg`	19
3-138	**Sequences**		
3-138-1	Sequence Number [ID]	138	
3-138-2	Molecule Type	DNA	
3-138-3	Length	19	
3-138-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-138-5	Residues	`ttggggaatc acggggagc`	19
3-139	**Sequences**		
3-139-1	Sequence Number [ID]	139	
3-139-2	Molecule Type	DNA	
3-139-3	Length	19	
3-139-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-139-5	Residues	`attggggaat cacggggag`	19
3-140	**Sequences**		
3-140-1	Sequence Number [ID]	140	
3-140-2	Molecule Type	DNA	
3-140-3	Length	19	
3-140-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-140-5	Residues	`gattggggaa tcacgggga`	19
3-141	**Sequences**		
3-141-1	Sequence Number [ID]	141	
3-141-2	Molecule Type	DNA	
3-141-3	Length	19	
3-141-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-141-5	Residues	`cgattgggga atcacgggg`	19
3-142	**Sequences**		
3-142-1	Sequence Number [ID]	142	
3-142-2	Molecule Type	DNA	
3-142-3	Length	19	
3-142-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	

		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-142-5	Residues	ccgattgggg aatcacggg	19
3-143	**Sequences**		
3-143-1	Sequence Number [ID]	143	
3-143-2	Molecule Type	DNA	
3-143-3	Length	19	
3-143-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-143-5	Residues	gccgattggg gaatcacgg	19
3-144	**Sequences**		
3-144-1	Sequence Number [ID]	144	
3-144-2	Molecule Type	DNA	
3-144-3	Length	19	
3-144-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-144-5	Residues	agccgattgg ggaatcacg	19
3-145	**Sequences**		
3-145-1	Sequence Number [ID]	145	
3-145-2	Molecule Type	DNA	
3-145-3	Length	19	
3-145-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-145-5	Residues	aagccgattg gggaatcac	19
3-146	**Sequences**		
3-146-1	Sequence Number [ID]	146	
3-146-2	Molecule Type	DNA	
3-146-3	Length	19	
3-146-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-146-5	Residues	gaagccgatt ggggaatca	19
3-147	**Sequences**		
3-147-1	Sequence Number [ID]	147	
3-147-2	Molecule Type	DNA	
3-147-3	Length	19	
3-147-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-147-5	Residues	agaagccgat tggggaatc	19
3-148	**Sequences**		
3-148-1	Sequence Number [ID]	148	
3-148-2	Molecule Type	DNA	
3-148-3	Length	19	
3-148-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	

		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-148-5	Residues	cagaagccga ttggggaat	19
3-149	**Sequences**		
3-149-1	Sequence Number [ID]	149	
3-149-2	Molecule Type	DNA	
3-149-3	Length	19	
3-149-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-149-5	Residues	ccagaagccg attggggaa	19
3-150	**Sequences**		
3-150-1	Sequence Number [ID]	150	
3-150-2	Molecule Type	DNA	
3-150-3	Length	19	
3-150-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-150-5	Residues	tccagaagcc gattgggga	19
3-151	**Sequences**		
3-151-1	Sequence Number [ID]	151	
3-151-2	Molecule Type	DNA	
3-151-3	Length	19	
3-151-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-151-5	Residues	ctccagaagc cgattgggg	19
3-152	**Sequences**		
3-152-1	Sequence Number [ID]	152	
3-152-2	Molecule Type	DNA	
3-152-3	Length	19	
3-152-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-152-5	Residues	gctccagaag ccgattggg	19
3-153	**Sequences**		
3-153-1	Sequence Number [ID]	153	
3-153-2	Molecule Type	DNA	
3-153-3	Length	19	
3-153-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-153-5	Residues	ggctccagaa gccgattgg	19
3-154	**Sequences**		
3-154-1	Sequence Number [ID]	154	
3-154-2	Molecule Type	DNA	
3-154-3	Length	19	

3-154-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-154-5	Residues	tggctccaga agccgattg	19
3-155	**Sequences**		
3-155-1	Sequence Number [ID]	155	
3-155-2	Molecule Type	DNA	
3-155-3	Length	19	
3-155-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-155-5	Residues	ctggctccag aagccgatt	19
3-156	**Sequences**		
3-156-1	Sequence Number [ID]	156	
3-156-2	Molecule Type	DNA	
3-156-3	Length	19	
3-156-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-156-5	Residues	tctggctcca gaagccgat	19
3-157	**Sequences**		
3-157-1	Sequence Number [ID]	157	
3-157-2	Molecule Type	DNA	
3-157-3	Length	19	
3-157-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-157-5	Residues	ctctggctcc agaagccga	19
3-158	**Sequences**		
3-158-1	Sequence Number [ID]	158	
3-158-2	Molecule Type	DNA	
3-158-3	Length	19	
3-158-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-158-5	Residues	cctctggctc cagaagccg	19
3-159	**Sequences**		
3-159-1	Sequence Number [ID]	159	
3-159-2	Molecule Type	DNA	
3-159-3	Length	19	
3-159-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-159-5	Residues	gcctctggct ccagaagcc	19
3-160	**Sequences**		
3-160-1	Sequence Number [ID]	160	
3-160-2	Molecule Type	DNA	

3-160-3	Length	19	
3-160-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-160-5	Residues	agcctctggc tccagaagc	19
3-161	**Sequences**		
3-161-1	Sequence Number [ID]	161	
3-161-2	Molecule Type	DNA	
3-161-3	Length	19	
3-161-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-161-5	Residues	gagcctctgg ctccagaag	19
3-162	**Sequences**		
3-162-1	Sequence Number [ID]	162	
3-162-2	Molecule Type	DNA	
3-162-3	Length	19	
3-162-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-162-5	Residues	ggagcctctg gctccagaa	19
3-163	**Sequences**		
3-163-1	Sequence Number [ID]	163	
3-163-2	Molecule Type	DNA	
3-163-3	Length	19	
3-163-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-163-5	Residues	aggagcctct ggctccaga	19
3-164	**Sequences**		
3-164-1	Sequence Number [ID]	164	
3-164-2	Molecule Type	DNA	
3-164-3	Length	19	
3-164-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-164-5	Residues	gaggagcctc tggctccag	19
3-165	**Sequences**		
3-165-1	Sequence Number [ID]	165	
3-165-2	Molecule Type	DNA	
3-165-3	Length	19	
3-165-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-165-5	Residues	ggaggagcct ctggctcca	19
3-166	**Sequences**		
3-166-1	Sequence Number [ID]	166	

3-166-2	Molecule Type	DNA	
3-166-3	Length	19	
3-166-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-166-5	Residues	aggaggagcc tctggctcc	19
3-167	**Sequences**		
3-167-1	Sequence Number [ID]	167	
3-167-2	Molecule Type	DNA	
3-167-3	Length	19	
3-167-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-167-5	Residues	agcagggaag cgggcagca	19
3-168	**Sequences**		
3-168-1	Sequence Number [ID]	168	
3-168-2	Molecule Type	DNA	
3-168-3	Length	19	
3-168-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-168-5	Residues	tcctcggagc agggaagcg	19
3-169	**Sequences**		
3-169-1	Sequence Number [ID]	169	
3-169-2	Molecule Type	DNA	
3-169-3	Length	19	
3-169-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-169-5	Residues	ttcctcggag cagggaagc	19
3-170	**Sequences**		
3-170-1	Sequence Number [ID]	170	
3-170-2	Molecule Type	DNA	
3-170-3	Length	19	
3-170-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-170-5	Residues	tttcctcgga gcagggaag	19
3-171	**Sequences**		
3-171-1	Sequence Number [ID]	171	
3-171-2	Molecule Type	DNA	
3-171-3	Length	19	
3-171-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-171-5	Residues	ttttcctcgg agcagggaa	19
3-172	**Sequences**		

3-172-1	Sequence Number [ID]	172	
3-172-2	Molecule Type	DNA	
3-172-3	Length	19	
3-172-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-172-5	Residues	aaagttgtgg agtcgtttt	19
3-173	**Sequences**		
3-173-1	Sequence Number [ID]	173	
3-173-2	Molecule Type	DNA	
3-173-3	Length	19	
3-173-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-173-5	Residues	caaagttgtg gagtcgttt	19
3-174	**Sequences**		
3-174-1	Sequence Number [ID]	174	
3-174-2	Molecule Type	DNA	
3-174-3	Length	19	
3-174-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-174-5	Residues	acaaagttgt ggagtcgtt	19
3-175	**Sequences**		
3-175-1	Sequence Number [ID]	175	
3-175-2	Molecule Type	DNA	
3-175-3	Length	19	
3-175-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-175-5	Residues	cacaaagttg tggagtcgt	19
3-176	**Sequences**		
3-176-1	Sequence Number [ID]	176	
3-176-2	Molecule Type	DNA	
3-176-3	Length	19	
3-176-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-176-5	Residues	gcacaaagtt gtggagtcg	19
3-177	**Sequences**		
3-177-1	Sequence Number [ID]	177	
3-177-2	Molecule Type	DNA	
3-177-3	Length	19	
3-177-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-177-5	Residues	cgcacaaagt tgtggagtc	19

3-178	**Sequences**		
3-178-1	Sequence Number [ID]	178	
3-178-2	Molecule Type	DNA	
3-178-3	Length	19	
3-178-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-178-5	Residues	gcgcacaaag ttgtggagt	19
3-179	**Sequences**		
3-179-1	Sequence Number [ID]	179	
3-179-2	Molecule Type	DNA	
3-179-3	Length	19	
3-179-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-179-5	Residues	cgcgcacaaa gttgtggag	19
3-180	**Sequences**		
3-180-1	Sequence Number [ID]	180	
3-180-2	Molecule Type	DNA	
3-180-3	Length	19	
3-180-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-180-5	Residues	tcgcgcacaa agttgtgga	19
3-181	**Sequences**		
3-181-1	Sequence Number [ID]	181	
3-181-2	Molecule Type	DNA	
3-181-3	Length	19	
3-181-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-181-5	Residues	ctcgcgcaca aagttgtgg	19
3-182	**Sequences**		
3-182-1	Sequence Number [ID]	182	
3-182-2	Molecule Type	DNA	
3-182-3	Length	19	
3-182-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-182-5	Residues	tctcgcgcac aaagttgtg	19
3-183	**Sequences**		
3-183-1	Sequence Number [ID]	183	
3-183-2	Molecule Type	DNA	
3-183-3	Length	19	
3-183-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		

3-183-5	Residues	ctctcgcgca caaagttgt	19
3-184	**Sequences**		
3-184-1	Sequence Number [ID]	184	
3-184-2	Molecule Type	DNA	
3-184-3	Length	19	
3-184-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-184-5	Residues	ccgaaggagc gagcctctc	19
3-185	**Sequences**		
3-185-1	Sequence Number [ID]	185	
3-185-2	Molecule Type	DNA	
3-185-3	Length	19	
3-185-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-185-5	Residues	gccgaaggag cgagcctct	19
3-186	**Sequences**		
3-186-1	Sequence Number [ID]	186	
3-186-2	Molecule Type	DNA	
3-186-3	Length	19	
3-186-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-186-5	Residues	aggaggagcc gccgaagga	19
3-187	**Sequences**		
3-187-1	Sequence Number [ID]	187	
3-187-2	Molecule Type	DNA	
3-187-3	Length	19	
3-187-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-187-5	Residues	acaaaggggc aggcccgca	19
3-188	**Sequences**		
3-188-1	Sequence Number [ID]	188	
3-188-2	Molecule Type	DNA	
3-188-3	Length	19	
3-188-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-188-5	Residues	aacaaagggg caggcccgc	19
3-189	**Sequences**		
3-189-1	Sequence Number [ID]	189	
3-189-2	Molecule Type	DNA	
3-189-3	Length	19	
3-189-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	

	NonEnglishQualifier Value		
3-189-5	Residues	caacaaaggg gcaggcccg	19
3-190	**Sequences**		
3-190-1	Sequence Number [ID]	190	
3-190-2	Molecule Type	DNA	
3-190-3	Length	19	
3-190-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-190-5	Residues	ccaacaaagg ggcaggccc	19
3-191	**Sequences**		
3-191-1	Sequence Number [ID]	191	
3-191-2	Molecule Type	DNA	
3-191-3	Length	19	
3-191-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-191-5	Residues	tccaacaaag gggcaggcc	19
3-192	**Sequences**		
3-192-1	Sequence Number [ID]	192	
3-192-2	Molecule Type	DNA	
3-192-3	Length	19	
3-192-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-192-5	Residues	ctccaacaaa ggggcaggc	19
3-193	**Sequences**		
3-193-1	Sequence Number [ID]	193	
3-193-2	Molecule Type	DNA	
3-193-3	Length	19	
3-193-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-193-5	Residues	gctccaacaa aggggcagg	19
3-194	**Sequences**		
3-194-1	Sequence Number [ID]	194	
3-194-2	Molecule Type	DNA	
3-194-3	Length	19	
3-194-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-194-5	Residues	ggctccaaca aaggggcag	19
3-195	**Sequences**		
3-195-1	Sequence Number [ID]	195	
3-195-2	Molecule Type	DNA	
3-195-3	Length	19	
3-195-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	

		organism=synthetic construct	
	NonEnglishQualifier Value		
3-195-5	Residues	cggctccaac aaaggggca	19
3-196	**Sequences**		
3-196-1	Sequence Number [ID]	196	
3-196-2	Molecule Type	DNA	
3-196-3	Length	19	
3-196-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-196-5	Residues	tcggctccaa caaaggggc	19
3-197	**Sequences**		
3-197-1	Sequence Number [ID]	197	
3-197-2	Molecule Type	DNA	
3-197-3	Length	19	
3-197-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-197-5	Residues	ctcggctcca acaaagggg	19
3-198	**Sequences**		
3-198-1	Sequence Number [ID]	198	
3-198-2	Molecule Type	DNA	
3-198-3	Length	19	
3-198-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-198-5	Residues	gctcggctcc aacaaaggg	19
3-199	**Sequences**		
3-199-1	Sequence Number [ID]	199	
3-199-2	Molecule Type	DNA	
3-199-3	Length	19	
3-199-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-199-5	Residues	cgctcggctc caacaaagg	19
3-200	**Sequences**		
3-200-1	Sequence Number [ID]	200	
3-200-2	Molecule Type	DNA	
3-200-3	Length	19	
3-200-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-200-5	Residues	gcgctcggct ccaacaaag	19
3-201	**Sequences**		
3-201-1	Sequence Number [ID]	201	
3-201-2	Molecule Type	DNA	
3-201-3	Length	19	
3-201-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	

		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-201-5	Residues	agcgctcggc tccaacaaa	19
3-202	**Sequences**		
3-202-1	Sequence Number [ID]	202	
3-202-2	Molecule Type	DNA	
3-202-3	Length	19	
3-202-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-202-5	Residues	cagcgctcgg ctccaacaa	19
3-203	**Sequences**		
3-203-1	Sequence Number [ID]	203	
3-203-2	Molecule Type	DNA	
3-203-3	Length	19	
3-203-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-203-5	Residues	ccagcgctcg gctccaaca	19
3-204	**Sequences**		
3-204-1	Sequence Number [ID]	204	
3-204-2	Molecule Type	DNA	
3-204-3	Length	19	
3-204-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-204-5	Residues	tccagcgctc ggctccaac	19
3-205	**Sequences**		
3-205-1	Sequence Number [ID]	205	
3-205-2	Molecule Type	DNA	
3-205-3	Length	19	
3-205-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-205-5	Residues	ctccagcgct cggctccaa	19
3-206	**Sequences**		
3-206-1	Sequence Number [ID]	206	
3-206-2	Molecule Type	DNA	
3-206-3	Length	19	
3-206-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-206-5	Residues	tctggagagc ggacccctg	19
3-207	**Sequences**		
3-207-1	Sequence Number [ID]	207	
3-207-2	Molecule Type	DNA	
3-207-3	Length	19	
3-207-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	

		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-207-5	Residues	atctggagag cggacccct	19
3-208	**Sequences**		
3-208-1	Sequence Number [ID]	208	
3-208-2	Molecule Type	DNA	
3-208-3	Length	19	
3-208-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-208-5	Residues	catctggaga gcggacccc	19
3-209	**Sequences**		
3-209-1	Sequence Number [ID]	209	
3-209-2	Molecule Type	DNA	
3-209-3	Length	19	
3-209-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-209-5	Residues	tcatctggag agcggaccc	19
3-210	**Sequences**		
3-210-1	Sequence Number [ID]	210	
3-210-2	Molecule Type	DNA	
3-210-3	Length	19	
3-210-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-210-5	Residues	ctcatctgga gagcggacc	19
3-211	**Sequences**		
3-211-1	Sequence Number [ID]	211	
3-211-2	Molecule Type	DNA	
3-211-3	Length	19	
3-211-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-211-5	Residues	tctcatctgg agagcggac	19
3-212	**Sequences**		
3-212-1	Sequence Number [ID]	212	
3-212-2	Molecule Type	DNA	
3-212-3	Length	19	
3-212-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-212-5	Residues	ttctcatctg gagagcgga	19
3-213	**Sequences**		
3-213-1	Sequence Number [ID]	213	
3-213-2	Molecule Type	DNA	
3-213-3	Length	19	

3-213-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-213-5	Residues	cttctcatct ggagagcgg	19
3-214	**Sequences**		
3-214-1	Sequence Number [ID]	214	
3-214-2	Molecule Type	DNA	
3-214-3	Length	19	
3-214-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-214-5	Residues	ccttctcatc tggagagcg	19
3-215	**Sequences**		
3-215-1	Sequence Number [ID]	215	
3-215-2	Molecule Type	DNA	
3-215-3	Length	19	
3-215-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-215-5	Residues	cccttctcat ctggagagc	19
3-216	**Sequences**		
3-216-1	Sequence Number [ID]	216	
3-216-2	Molecule Type	DNA	
3-216-3	Length	19	
3-216-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-216-5	Residues	acccttctca tctggagag	19
3-217	**Sequences**		
3-217-1	Sequence Number [ID]	217	
3-217-2	Molecule Type	DNA	
3-217-3	Length	19	
3-217-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-217-5	Residues	cacccttctc atctggaga	19
3-218	**Sequences**		
3-218-1	Sequence Number [ID]	218	
3-218-2	Molecule Type	DNA	
3-218-3	Length	19	
3-218-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-218-5	Residues	gcacccttct catctggag	19
3-219	**Sequences**		
3-219-1	Sequence Number [ID]	219	
3-219-2	Molecule Type	DNA	

3-219-3	Length	19	
3-219-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-219-5	Residues	tgcacccttc tcatctgga	19
3-220	**Sequences**		
3-220-1	Sequence Number [ID]	220	
3-220-2	Molecule Type	DNA	
3-220-3	Length	19	
3-220-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-220-5	Residues	ctgcaccctt ctcatctgg	19
3-221	**Sequences**		
3-221-1	Sequence Number [ID]	221	
3-221-2	Molecule Type	DNA	
3-221-3	Length	19	
3-221-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-221-5	Residues	tctgcaccct tctcatctg	19
3-222	**Sequences**		
3-222-1	Sequence Number [ID]	222	
3-222-2	Molecule Type	DNA	
3-222-3	Length	19	
3-222-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-222-5	Residues	atctgcaccc ttctcatct	19
3-223	**Sequences**		
3-223-1	Sequence Number [ID]	223	
3-223-2	Molecule Type	DNA	
3-223-3	Length	19	
3-223-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-223-5	Residues	gatctgcacc cttctcatc	19
3-224	**Sequences**		
3-224-1	Sequence Number [ID]	224	
3-224-2	Molecule Type	DNA	
3-224-3	Length	19	
3-224-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-224-5	Residues	tgatctgcac ccttctcat	19
3-225	**Sequences**		
3-225-1	Sequence Number [ID]	225	

3-225-2	Molecule Type	DNA	
3-225-3	Length	19	
3-225-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-225-5	Residues	ctgatctgca cccttctca	19
3-226	**Sequences**		
3-226-1	Sequence Number [ID]	226	
3-226-2	Molecule Type	DNA	
3-226-3	Length	19	
3-226-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-226-5	Residues	gctgatctgc acccttctc	19
3-227	**Sequences**		
3-227-1	Sequence Number [ID]	227	
3-227-2	Molecule Type	DNA	
3-227-3	Length	19	
3-227-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-227-5	Residues	cgctgatctg cacccttct	19
3-228	**Sequences**		
3-228-1	Sequence Number [ID]	228	
3-228-2	Molecule Type	DNA	
3-228-3	Length	19	
3-228-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-228-5	Residues	gcgctgatct gcacccttc	19
3-229	**Sequences**		
3-229-1	Sequence Number [ID]	229	
3-229-2	Molecule Type	DNA	
3-229-3	Length	19	
3-229-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-229-5	Residues	ggcgctgatc tgcaccctt	19
3-230	**Sequences**		
3-230-1	Sequence Number [ID]	230	
3-230-2	Molecule Type	DNA	
3-230-3	Length	19	
3-230-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-230-5	Residues	tggcgctgat ctgcaccct	19
3-231	**Sequences**		

3-231-1	Sequence Number [ID]	231	
3-231-2	Molecule Type	DNA	
3-231-3	Length	19	
3-231-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-231-5	Residues	ctggcgctga tctgcaccc	19
3-232	**Sequences**		
3-232-1	Sequence Number [ID]	232	
3-232-2	Molecule Type	DNA	
3-232-3	Length	19	
3-232-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-232-5	Residues	gctggcgctg atctgcacc	19
3-233	**Sequences**		
3-233-1	Sequence Number [ID]	233	
3-233-2	Molecule Type	DNA	
3-233-3	Length	19	
3-233-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-233-5	Residues	ggctggcgct gatctgcac	19
3-234	**Sequences**		
3-234-1	Sequence Number [ID]	234	
3-234-2	Molecule Type	DNA	
3-234-3	Length	19	
3-234-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-234-5	Residues	gggctggcgc tgatctgca	19
3-235	**Sequences**		
3-235-1	Sequence Number [ID]	235	
3-235-2	Molecule Type	DNA	
3-235-3	Length	19	
3-235-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-235-5	Residues	agggctggcg ctgatctgc	19
3-236	**Sequences**		
3-236-1	Sequence Number [ID]	236	
3-236-2	Molecule Type	DNA	
3-236-3	Length	19	
3-236-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-236-5	Residues	gagggctggc gctgatctg	19

3-237	**Sequences**		
3-237-1	Sequence Number [ID]	237	
3-237-2	Molecule Type	DNA	
3-237-3	Length	19	
3-237-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-237-5	Residues	`ggagggctgg cgctgatct`	19
3-238	**Sequences**		
3-238-1	Sequence Number [ID]	238	
3-238-2	Molecule Type	DNA	
3-238-3	Length	19	
3-238-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-238-5	Residues	`aaagttgctg ggccggcgg`	19
3-239	**Sequences**		
3-239-1	Sequence Number [ID]	239	
3-239-2	Molecule Type	DNA	
3-239-3	Length	19	
3-239-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-239-5	Residues	`caaagttgct gggccggcg`	19
3-240	**Sequences**		
3-240-1	Sequence Number [ID]	240	
3-240-2	Molecule Type	DNA	
3-240-3	Length	19	
3-240-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-240-5	Residues	`acaaagttgc tgggccggc`	19
3-241	**Sequences**		
3-241-1	Sequence Number [ID]	241	
3-241-2	Molecule Type	DNA	
3-241-3	Length	19	
3-241-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-241-5	Residues	`aacaaagttg ctgggccgg`	19
3-242	**Sequences**		
3-242-1	Sequence Number [ID]	242	
3-242-2	Molecule Type	DNA	
3-242-3	Length	19	
3-242-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		

3-242-5	Residues	gaacaaagtt gctgggccg	19
3-243	**Sequences**		
3-243-1	Sequence Number [ID]	243	
3-243-2	Molecule Type	DNA	
3-243-3	Length	19	
3-243-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-243-5	Residues	ggaacaaagt tgctgggcc	19
3-244	**Sequences**		
3-244-1	Sequence Number [ID]	244	
3-244-2	Molecule Type	DNA	
3-244-3	Length	19	
3-244-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-244-5	Residues	cggaacaaag ttgctgggc	19
3-245	**Sequences**		
3-245-1	Sequence Number [ID]	245	
3-245-2	Molecule Type	DNA	
3-245-3	Length	19	
3-245-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-245-5	Residues	ccggaacaaa gttgctggg	19
3-246	**Sequences**		
3-246-1	Sequence Number [ID]	246	
3-246-2	Molecule Type	DNA	
3-246-3	Length	19	
3-246-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-246-5	Residues	tccggaacaa agttgctgg	19
3-247	**Sequences**		
3-247-1	Sequence Number [ID]	247	
3-247-2	Molecule Type	DNA	
3-247-3	Length	19	
3-247-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-247-5	Residues	ttccggaaca aagttgctg	19
3-248	**Sequences**		
3-248-1	Sequence Number [ID]	248	
3-248-2	Molecule Type	DNA	
3-248-3	Length	19	
3-248-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	

	NonEnglishQualifier Value		
3-248-5	Residues	cttccggaac aaagttgct	19
3-249	**Sequences**		
3-249-1	Sequence Number [ID]	249	
3-249-2	Molecule Type	DNA	
3-249-3	Length	19	
3-249-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-249-5	Residues	tcttccggaa caaagttgc	19
3-250	**Sequences**		
3-250-1	Sequence Number [ID]	250	
3-250-2	Molecule Type	DNA	
3-250-3	Length	19	
3-250-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-250-5	Residues	atcttccgga acaaagttg	19
3-251	**Sequences**		
3-251-1	Sequence Number [ID]	251	
3-251-2	Molecule Type	DNA	
3-251-3	Length	19	
3-251-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-251-5	Residues	gatcttccgg aacaaagtt	19
3-252	**Sequences**		
3-252-1	Sequence Number [ID]	252	
3-252-2	Molecule Type	DNA	
3-252-3	Length	19	
3-252-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-252-5	Residues	tgatcttccg gaacaaagt	19
3-253	**Sequences**		
3-253-1	Sequence Number [ID]	253	
3-253-2	Molecule Type	DNA	
3-253-3	Length	19	
3-253-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-253-5	Residues	ctgatcttcc ggaacaaag	19
3-254	**Sequences**		
3-254-1	Sequence Number [ID]	254	
3-254-2	Molecule Type	DNA	
3-254-3	Length	19	
3-254-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	

		organism=synthetic construct	
	NonEnglishQualifier Value		
3-254-5	Residues	gctgatcttc cggaacaaa	19
3-255	**Sequences**		
3-255-1	Sequence Number [ID]	255	
3-255-2	Molecule Type	DNA	
3-255-3	Length	19	
3-255-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-255-5	Residues	ggctgatctt ccggaacaa	19
3-256	**Sequences**		
3-256-1	Sequence Number [ID]	256	
3-256-2	Molecule Type	DNA	
3-256-3	Length	19	
3-256-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-256-5	Residues	gggctgatct tccggaaca	19
3-257	**Sequences**		
3-257-1	Sequence Number [ID]	257	
3-257-2	Molecule Type	DNA	
3-257-3	Length	19	
3-257-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-257-5	Residues	ggggctgatc ttccggaac	19
3-258	**Sequences**		
3-258-1	Sequence Number [ID]	258	
3-258-2	Molecule Type	DNA	
3-258-3	Length	19	
3-258-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-258-5	Residues	tggggctgat cttccggaa	19
3-259	**Sequences**		
3-259-1	Sequence Number [ID]	259	
3-259-2	Molecule Type	DNA	
3-259-3	Length	19	
3-259-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-259-5	Residues	gtggggctga tcttccgga	19
3-260	**Sequences**		
3-260-1	Sequence Number [ID]	260	
3-260-2	Molecule Type	DNA	
3-260-3	Length	19	
3-260-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	

		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-260-5	Residues	agtggggctg atcttccgg	19
3-261	**Sequences**		
3-261-1	Sequence Number [ID]	261	
3-261-2	Molecule Type	DNA	
3-261-3	Length	19	
3-261-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-261-5	Residues	tagtggggct gatcttccg	19
3-262	**Sequences**		
3-262-1	Sequence Number [ID]	262	
3-262-2	Molecule Type	DNA	
3-262-3	Length	19	
3-262-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-262-5	Residues	gtagtggggc tgatcttcc	19
3-263	**Sequences**		
3-263-1	Sequence Number [ID]	263	
3-263-2	Molecule Type	DNA	
3-263-3	Length	19	
3-263-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-263-5	Residues	cgtagtgggg ctgatcttc	19
3-264	**Sequences**		
3-264-1	Sequence Number [ID]	264	
3-264-2	Molecule Type	DNA	
3-264-3	Length	19	
3-264-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-264-5	Residues	acgtagtggg gctgatctt	19
3-265	**Sequences**		
3-265-1	Sequence Number [ID]	265	
3-265-2	Molecule Type	DNA	
3-265-3	Length	19	
3-265-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-265-5	Residues	aacgtagtgg ggctgatct	19
3-266	**Sequences**		
3-266-1	Sequence Number [ID]	266	
3-266-2	Molecule Type	DNA	
3-266-3	Length	19	
3-266-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	

		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-266-5	Residues	gaacgtagtg gggctgatc	19
3-267	**Sequences**		
3-267-1	Sequence Number [ID]	267	
3-267-2	Molecule Type	DNA	
3-267-3	Length	19	
3-267-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-267-5	Residues	ggaacgtagt ggggctgat	19
3-268	**Sequences**		
3-268-1	Sequence Number [ID]	268	
3-268-2	Molecule Type	DNA	
3-268-3	Length	19	
3-268-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-268-5	Residues	gggaacgtag tggggctga	19
3-269	**Sequences**		
3-269-1	Sequence Number [ID]	269	
3-269-2	Molecule Type	DNA	
3-269-3	Length	19	
3-269-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-269-5	Residues	cgggaacgta gtggggctg	19
3-270	**Sequences**		
3-270-1	Sequence Number [ID]	270	
3-270-2	Molecule Type	DNA	
3-270-3	Length	19	
3-270-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-270-5	Residues	ccgggaacgt agtggggct	19
3-271	**Sequences**		
3-271-1	Sequence Number [ID]	271	
3-271-2	Molecule Type	DNA	
3-271-3	Length	19	
3-271-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-271-5	Residues	acccgggaac gtagtgggg	19
3-272	**Sequences**		
3-272-1	Sequence Number [ID]	272	
3-272-2	Molecule Type	DNA	
3-272-3	Length	19	

3-272-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-272-5	Residues	gacccgggaa cgtagtggg	19
3-273	**Sequences**		
3-273-1	Sequence Number [ID]	273	
3-273-2	Molecule Type	DNA	
3-273-3	Length	19	
3-273-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-273-5	Residues	tgacccggga acgtagtgg	19
3-274	**Sequences**		
3-274-1	Sequence Number [ID]	274	
3-274-2	Molecule Type	DNA	
3-274-3	Length	19	
3-274-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-274-5	Residues	ctgacccggg aacgtagtg	19
3-275	**Sequences**		
3-275-1	Sequence Number [ID]	275	
3-275-2	Molecule Type	DNA	
3-275-3	Length	19	
3-275-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-275-5	Residues	gctgacccgg gaacgtagt	19
3-276	**Sequences**		
3-276-1	Sequence Number [ID]	276	
3-276-2	Molecule Type	DNA	
3-276-3	Length	19	
3-276-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-276-5	Residues	cagacgctga cccgggaac	19
3-277	**Sequences**		
3-277-1	Sequence Number [ID]	277	
3-277-2	Molecule Type	DNA	
3-277-3	Length	19	
3-277-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-277-5	Residues	gcagacgctg acccgggaa	19
3-278	**Sequences**		
3-278-1	Sequence Number [ID]	278	
3-278-2	Molecule Type	DNA	

3-278-3	Length	19	
3-278-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-278-5	Residues	tggggcgcca agttcccga	19
3-279	**Sequences**		
3-279-1	Sequence Number [ID]	279	
3-279-2	Molecule Type	DNA	
3-279-3	Length	19	
3-279-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-279-5	Residues	ttggggcgcc aagttcccg	19
3-280	**Sequences**		
3-280-1	Sequence Number [ID]	280	
3-280-2	Molecule Type	DNA	
3-280-3	Length	19	
3-280-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-280-5	Residues	cttggggcgc caagttccc	19
3-281	**Sequences**		
3-281-1	Sequence Number [ID]	281	
3-281-2	Molecule Type	DNA	
3-281-3	Length	19	
3-281-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-281-5	Residues	acttggggcg ccaagttcc	19
3-282	**Sequences**		
3-282-1	Sequence Number [ID]	282	
3-282-2	Molecule Type	DNA	
3-282-3	Length	19	
3-282-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-282-5	Residues	gacttggggc gccaagttc	19
3-283	**Sequences**		
3-283-1	Sequence Number [ID]	283	
3-283-2	Molecule Type	DNA	
3-283-3	Length	19	
3-283-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-283-5	Residues	tgacttgggg cgccaagtt	19
3-284	**Sequences**		
3-284-1	Sequence Number [ID]	284	

3-284-2	Molecule Type	DNA	
3-284-3	Length	19	
3-284-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-284-5	Residues	gtgacttggg gcgccaagt	19
3-285	**Sequences**		
3-285-1	Sequence Number [ID]	285	
3-285-2	Molecule Type	DNA	
3-285-3	Length	19	
3-285-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-285-5	Residues	ggtgacttgg ggcgccaag	19
3-286	**Sequences**		
3-286-1	Sequence Number [ID]	286	
3-286-2	Molecule Type	DNA	
3-286-3	Length	19	
3-286-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-286-5	Residues	aggtgacttg gggcgccaa	19
3-287	**Sequences**		
3-287-1	Sequence Number [ID]	287	
3-287-2	Molecule Type	DNA	
3-287-3	Length	19	
3-287-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-287-5	Residues	caggtgactt ggggcgcca	19
3-288	**Sequences**		
3-288-1	Sequence Number [ID]	288	
3-288-2	Molecule Type	DNA	
3-288-3	Length	19	
3-288-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-288-5	Residues	tcaggtgact tggggcgcc	19
3-289	**Sequences**		
3-289-1	Sequence Number [ID]	289	
3-289-2	Molecule Type	DNA	
3-289-3	Length	19	
3-289-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-289-5	Residues	gtcaggtgac ttggggcgc	19
3-290	**Sequences**		

3-290-1	Sequence Number [ID]	290	
3-290-2	Molecule Type	DNA	
3-290-3	Length	19	
3-290-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-290-5	Residues	agtcaggtga cttggggcg	19
3-291	**Sequences**		
3-291-1	Sequence Number [ID]	291	
3-291-2	Molecule Type	DNA	
3-291-3	Length	19	
3-291-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-291-5	Residues	cagtcaggtg acttggggc	19
3-292	**Sequences**		
3-292-1	Sequence Number [ID]	292	
3-292-2	Molecule Type	DNA	
3-292-3	Length	19	
3-292-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-292-5	Residues	gcagtcaggt gacttgggg	19
3-293	**Sequences**		
3-293-1	Sequence Number [ID]	293	
3-293-2	Molecule Type	DNA	
3-293-3	Length	19	
3-293-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-293-5	Residues	cgcagtcagg tgacttggg	19
3-294	**Sequences**		
3-294-1	Sequence Number [ID]	294	
3-294-2	Molecule Type	DNA	
3-294-3	Length	19	
3-294-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-294-5	Residues	gcgcagtcag gtgacttgg	19
3-295	**Sequences**		
3-295-1	Sequence Number [ID]	295	
3-295-2	Molecule Type	DNA	
3-295-3	Length	19	
3-295-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-295-5	Residues	cgcgcagtca ggtgacttg	19

3-296	**Sequences**		
3-296-1	Sequence Number [ID]	296	
3-296-2	Molecule Type	DNA	
3-296-3	Length	19	
3-296-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-296-5	Residues	`agggccggcg ctgattgac`	19
3-297	**Sequences**		
3-297-1	Sequence Number [ID]	297	
3-297-2	Molecule Type	DNA	
3-297-3	Length	19	
3-297-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-297-5	Residues	`cagggccggc gctgattga`	19
3-298	**Sequences**		
3-298-1	Sequence Number [ID]	298	
3-298-2	Molecule Type	DNA	
3-298-3	Length	19	
3-298-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-298-5	Residues	`acggttcact ctggagcgc`	19
3-299	**Sequences**		
3-299-1	Sequence Number [ID]	299	
3-299-2	Molecule Type	DNA	
3-299-3	Length	19	
3-299-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-299-5	Residues	`cacggttcac tctggagcg`	19
3-300	**Sequences**		
3-300-1	Sequence Number [ID]	300	
3-300-2	Molecule Type	DNA	
3-300-3	Length	19	
3-300-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-300-5	Residues	`gcacggttca ctctggagc`	19
3-301	**Sequences**		
3-301-1	Sequence Number [ID]	301	
3-301-2	Molecule Type	DNA	
3-301-3	Length	19	
3-301-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		

3-301-5	Residues	cgcacggttc actctggag	19
3-302	**Sequences**		
3-302-1	Sequence Number [ID]	302	
3-302-2	Molecule Type	DNA	
3-302-3	Length	19	
3-302-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-302-5	Residues	acgcacggtt cactctgga	19
3-303	**Sequences**		
3-303-1	Sequence Number [ID]	303	
3-303-2	Molecule Type	DNA	
3-303-3	Length	19	
3-303-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-303-5	Residues	cacgcacggt tcactctgg	19
3-304	**Sequences**		
3-304-1	Sequence Number [ID]	304	
3-304-2	Molecule Type	DNA	
3-304-3	Length	19	
3-304-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-304-5	Residues	gcacgcacgg ttcactctg	19
3-305	**Sequences**		
3-305-1	Sequence Number [ID]	305	
3-305-2	Molecule Type	DNA	
3-305-3	Length	19	
3-305-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-305-5	Residues	ggcacgcacg gttcactct	19
3-306	**Sequences**		
3-306-1	Sequence Number [ID]	306	
3-306-2	Molecule Type	DNA	
3-306-3	Length	19	
3-306-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-306-5	Residues	gttcggtctc cggactccc	19
3-307	**Sequences**		
3-307-1	Sequence Number [ID]	307	
3-307-2	Molecule Type	DNA	
3-307-3	Length	19	
3-307-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	

	NonEnglishQualifier Value		
3-307-5	Residues	ggttcggtct ccggactcc	19
3-308	**Sequences**		
3-308-1	Sequence Number [ID]	308	
3-308-2	Molecule Type	DNA	
3-308-3	Length	19	
3-308-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-308-5	Residues	tggttcggtc tccggactc	19
3-309	**Sequences**		
3-309-1	Sequence Number [ID]	309	
3-309-2	Molecule Type	DNA	
3-309-3	Length	19	
3-309-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-309-5	Residues	ctggttcggt ctccggact	19
3-310	**Sequences**		
3-310-1	Sequence Number [ID]	310	
3-310-2	Molecule Type	DNA	
3-310-3	Length	19	
3-310-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-310-5	Residues	tctggttcgg tctccggac	19
3-311	**Sequences**		
3-311-1	Sequence Number [ID]	311	
3-311-2	Molecule Type	DNA	
3-311-3	Length	19	
3-311-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-311-5	Residues	ttctggttcg gtctccgga	19
3-312	**Sequences**		
3-312-1	Sequence Number [ID]	312	
3-312-2	Molecule Type	DNA	
3-312-3	Length	19	
3-312-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-312-5	Residues	attctggttc ggtctccgg	19
3-313	**Sequences**		
3-313-1	Sequence Number [ID]	313	
3-313-2	Molecule Type	DNA	
3-313-3	Length	19	
3-313-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	

		organism=synthetic construct	
	NonEnglishQualifier Value		
3-313-5	Residues	cattctggtt cggtctccg	19
3-314	**Sequences**		
3-314-1	Sequence Number [ID]	314	
3-314-2	Molecule Type	DNA	
3-314-3	Length	19	
3-314-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-314-5	Residues	ccattctggt tcggtctcc	19
3-315	**Sequences**		
3-315-1	Sequence Number [ID]	315	
3-315-2	Molecule Type	DNA	
3-315-3	Length	19	
3-315-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-315-5	Residues	tccattctgg ttcggtctc	19
3-316	**Sequences**		
3-316-1	Sequence Number [ID]	316	
3-316-2	Molecule Type	DNA	
3-316-3	Length	19	
3-316-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-316-5	Residues	atccattctg gttcggtct	19
3-317	**Sequences**		
3-317-1	Sequence Number [ID]	317	
3-317-2	Molecule Type	DNA	
3-317-3	Length	19	
3-317-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-317-5	Residues	catccattct ggttcggtc	19
3-318	**Sequences**		
3-318-1	Sequence Number [ID]	318	
3-318-2	Molecule Type	DNA	
3-318-3	Length	19	
3-318-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-318-5	Residues	gcatccattc tggttcggt	19
3-319	**Sequences**		
3-319-1	Sequence Number [ID]	319	
3-319-2	Molecule Type	DNA	
3-319-3	Length	19	
3-319-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	

		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-319-5	Residues	ggcatccatt ctggttcgg	19
3-320	**Sequences**		
3-320-1	Sequence Number [ID]	320	
3-320-2	Molecule Type	DNA	
3-320-3	Length	19	
3-320-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-320-5	Residues	aggcatccat tctggttcg	19
3-321	**Sequences**		
3-321-1	Sequence Number [ID]	321	
3-321-2	Molecule Type	DNA	
3-321-3	Length	19	
3-321-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-321-5	Residues	gaggcatcca ttctggttc	19
3-322	**Sequences**		
3-322-1	Sequence Number [ID]	322	
3-322-2	Molecule Type	DNA	
3-322-3	Length	19	
3-322-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-322-5	Residues	cgaggcatcc attctggtt	19
3-323	**Sequences**		
3-323-1	Sequence Number [ID]	323	
3-323-2	Molecule Type	DNA	
3-323-3	Length	19	
3-323-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-323-5	Residues	tcgaggcatc cattctggt	19
3-324	**Sequences**		
3-324-1	Sequence Number [ID]	324	
3-324-2	Molecule Type	DNA	
3-324-3	Length	19	
3-324-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-324-5	Residues	ctcgaggcat ccattctgg	19
3-325	**Sequences**		
3-325-1	Sequence Number [ID]	325	
3-325-2	Molecule Type	DNA	
3-325-3	Length	19	
3-325-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	

		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-325-5	Residues	gctcgaggca tccattctg	19
3-326	**Sequences**		
3-326-1	Sequence Number [ID]	326	
3-326-2	Molecule Type	DNA	
3-326-3	Length	19	
3-326-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-326-5	Residues	tgctcgaggc atccattct	19
3-327	**Sequences**		
3-327-1	Sequence Number [ID]	327	
3-327-2	Molecule Type	DNA	
3-327-3	Length	19	
3-327-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-327-5	Residues	ctgctcgagg catccattc	19
3-328	**Sequences**		
3-328-1	Sequence Number [ID]	328	
3-328-2	Molecule Type	DNA	
3-328-3	Length	19	
3-328-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-328-5	Residues	tctgctcgag gcatccatt	19
3-329	**Sequences**		
3-329-1	Sequence Number [ID]	329	
3-329-2	Molecule Type	DNA	
3-329-3	Length	19	
3-329-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-329-5	Residues	gtctgctcga ggcatccat	19
3-330	**Sequences**		
3-330-1	Sequence Number [ID]	330	
3-330-2	Molecule Type	DNA	
3-330-3	Length	19	
3-330-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-330-5	Residues	tgtctgctcg aggcatcca	19
3-331	**Sequences**		
3-331-1	Sequence Number [ID]	331	
3-331-2	Molecule Type	DNA	
3-331-3	Length	19	

3-331-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-331-5	Residues	gtgtctgctc gaggcatcc	19
3-332	**Sequences**		
3-332-1	Sequence Number [ID]	332	
3-332-2	Molecule Type	DNA	
3-332-3	Length	19	
3-332-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-332-5	Residues	tgtgtctgct cgaggcatc	19
3-333	**Sequences**		
3-333-1	Sequence Number [ID]	333	
3-333-2	Molecule Type	DNA	
3-333-3	Length	19	
3-333-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-333-5	Residues	ttgtgtctgc tcgaggcat	19
3-334	**Sequences**		
3-334-1	Sequence Number [ID]	334	
3-334-2	Molecule Type	DNA	
3-334-3	Length	19	
3-334-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-334-5	Residues	attgtgtctg ctcgaggca	19
3-335	**Sequences**		
3-335-1	Sequence Number [ID]	335	
3-335-2	Molecule Type	DNA	
3-335-3	Length	19	
3-335-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-335-5	Residues	aattgtgtct gctcgaggc	19
3-336	**Sequences**		
3-336-1	Sequence Number [ID]	336	
3-336-2	Molecule Type	DNA	
3-336-3	Length	19	
3-336-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-336-5	Residues	gaattgtgtc tgctcgagg	19
3-337	**Sequences**		
3-337-1	Sequence Number [ID]	337	
3-337-2	Molecule Type	DNA	

3-337-3	Length	19	
3-337-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-337-5	Residues	ggaattgtgt ctgctcgag	19
3-338	**Sequences**		
3-338-1	Sequence Number [ID]	338	
3-338-2	Molecule Type	DNA	
3-338-3	Length	19	
3-338-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-338-5	Residues	gggaattgtg tctgctcga	19
3-339	**Sequences**		
3-339-1	Sequence Number [ID]	339	
3-339-2	Molecule Type	DNA	
3-339-3	Length	19	
3-339-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-339-5	Residues	ggggaattgt gtctgctcg	19
3-340	**Sequences**		
3-340-1	Sequence Number [ID]	340	
3-340-2	Molecule Type	DNA	
3-340-3	Length	19	
3-340-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-340-5	Residues	aggggaattg tgtctgctc	19
3-341	**Sequences**		
3-341-1	Sequence Number [ID]	341	
3-341-2	Molecule Type	DNA	
3-341-3	Length	19	
3-341-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-341-5	Residues	aaggggaatt gtgtctgct	19
3-342	**Sequences**		
3-342-1	Sequence Number [ID]	342	
3-342-2	Molecule Type	DNA	
3-342-3	Length	19	
3-342-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-342-5	Residues	taaggggaat tgtgtctgc	19
3-343	**Sequences**		
3-343-1	Sequence Number [ID]	343	

3-343-2	Molecule Type	DNA	
3-343-3	Length	19	
3-343-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-343-5	Residues	ataaggggaa ttgtgtctg	19
3-344	**Sequences**		
3-344-1	Sequence Number [ID]	344	
3-344-2	Molecule Type	DNA	
3-344-3	Length	19	
3-344-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-344-5	Residues	aataagggga attgtgtct	19
3-345	**Sequences**		
3-345-1	Sequence Number [ID]	345	
3-345-2	Molecule Type	DNA	
3-345-3	Length	19	
3-345-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-345-5	Residues	gaataagggg aattgtgtc	19
3-346	**Sequences**		
3-346-1	Sequence Number [ID]	346	
3-346-2	Molecule Type	DNA	
3-346-3	Length	19	
3-346-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-346-5	Residues	tgaataaggg gaattgtgt	19
3-347	**Sequences**		
3-347-1	Sequence Number [ID]	347	
3-347-2	Molecule Type	DNA	
3-347-3	Length	19	
3-347-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-347-5	Residues	ctgaataagg ggaattgtg	19
3-348	**Sequences**		
3-348-1	Sequence Number [ID]	348	
3-348-2	Molecule Type	DNA	
3-348-3	Length	19	
3-348-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-348-5	Residues	tctgaataag gggaattgt	19
3-349	**Sequences**		

3-349-1	Sequence Number [ID]	349	
3-349-2	Molecule Type	DNA	
3-349-3	Length	19	
3-349-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-349-5	Residues	atctgaataa ggggaattg	19
3-350	**Sequences**		
3-350-1	Sequence Number [ID]	350	
3-350-2	Molecule Type	DNA	
3-350-3	Length	19	
3-350-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-350-5	Residues	gataatctga ataagggga	19
3-351	**Sequences**		
3-351-1	Sequence Number [ID]	351	
3-351-2	Molecule Type	DNA	
3-351-3	Length	19	
3-351-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-351-5	Residues	ggataatctg aataagggg	19
3-352	**Sequences**		
3-352-1	Sequence Number [ID]	352	
3-352-2	Molecule Type	DNA	
3-352-3	Length	19	
3-352-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-352-5	Residues	cggataatct gaataaggg	19
3-353	**Sequences**		
3-353-1	Sequence Number [ID]	353	
3-353-2	Molecule Type	DNA	
3-353-3	Length	19	
3-353-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-353-5	Residues	tcggataatc tgaataagg	19
3-354	**Sequences**		
3-354-1	Sequence Number [ID]	354	
3-354-2	Molecule Type	DNA	
3-354-3	Length	19	
3-354-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-354-5	Residues	cacattttcg gataatctg	19

3-355	**Sequences**		
3-355-1	Sequence Number [ID]	355	
3-355-2	Molecule Type	DNA	
3-355-3	Length	19	
3-355-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-355-5	Residues	ctcacatttt cggataatc	19
3-356	**Sequences**		
3-356-1	Sequence Number [ID]	356	
3-356-2	Molecule Type	DNA	
3-356-3	Length	19	
3-356-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-356-5	Residues	gactcacatt ttcggataa	19
3-357	**Sequences**		
3-357-1	Sequence Number [ID]	357	
3-357-2	Molecule Type	DNA	
3-357-3	Length	19	
3-357-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-357-5	Residues	tgactcacat tttcggata	19
3-358	**Sequences**		
3-358-1	Sequence Number [ID]	358	
3-358-2	Molecule Type	DNA	
3-358-3	Length	19	
3-358-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-358-5	Residues	gtgactcaca ttttcggat	19
3-359	**Sequences**		
3-359-1	Sequence Number [ID]	359	
3-359-2	Molecule Type	DNA	
3-359-3	Length	19	
3-359-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-359-5	Residues	cgtgactcac attttcgga	19
3-360	**Sequences**		
3-360-1	Sequence Number [ID]	360	
3-360-2	Molecule Type	DNA	
3-360-3	Length	19	
3-360-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		

3-360-5	Residues	acgtgactca cattttcgg	19
3-361	**Sequences**		
3-361-1	Sequence Number [ID]	361	
3-361-2	Molecule Type	DNA	
3-361-3	Length	19	
3-361-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-361-5	Residues	gacgtgactc acattttcg	19
3-362	**Sequences**		
3-362-1	Sequence Number [ID]	362	
3-362-2	Molecule Type	DNA	
3-362-3	Length	19	
3-362-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-362-5	Residues	ggacgtgact cacattttc	19
3-363	**Sequences**		
3-363-1	Sequence Number [ID]	363	
3-363-2	Molecule Type	DNA	
3-363-3	Length	19	
3-363-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-363-5	Residues	gggacgtgac tcacatttt	19
3-364	**Sequences**		
3-364-1	Sequence Number [ID]	364	
3-364-2	Molecule Type	DNA	
3-364-3	Length	19	
3-364-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-364-5	Residues	ggggacgtga ctcacattt	19
3-365	**Sequences**		
3-365-1	Sequence Number [ID]	365	
3-365-2	Molecule Type	DNA	
3-365-3	Length	19	
3-365-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-365-5	Residues	aggggacgtg actcacatt	19
3-366	**Sequences**		
3-366-1	Sequence Number [ID]	366	
3-366-2	Molecule Type	DNA	
3-366-3	Length	19	
3-366-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	

	NonEnglishQualifier Value		
3-366-5	Residues	aaggggacgt gactcacat	19
3-367	**Sequences**		
3-367-1	Sequence Number [ID]	367	
3-367-2	Molecule Type	DNA	
3-367-3	Length	19	
3-367-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-367-5	Residues	taaggggacg tgactcaca	19
3-368	**Sequences**		
3-368-1	Sequence Number [ID]	368	
3-368-2	Molecule Type	DNA	
3-368-3	Length	19	
3-368-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-368-5	Residues	ctaaggggac gtgactcac	19
3-369	**Sequences**		
3-369-1	Sequence Number [ID]	369	
3-369-2	Molecule Type	DNA	
3-369-3	Length	19	
3-369-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-369-5	Residues	cctaagggga cgtgactca	19
3-370	**Sequences**		
3-370-1	Sequence Number [ID]	370	
3-370-2	Molecule Type	DNA	
3-370-3	Length	19	
3-370-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-370-5	Residues	gcctaagggg acgtgactc	19
3-371	**Sequences**		
3-371-1	Sequence Number [ID]	371	
3-371-2	Molecule Type	DNA	
3-371-3	Length	19	
3-371-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-371-5	Residues	tgcctaaggg gacgtgact	19
3-372	**Sequences**		
3-372-1	Sequence Number [ID]	372	
3-372-2	Molecule Type	DNA	
3-372-3	Length	19	
3-372-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	

		organism=synthetic construct	
	NonEnglishQualifier Value		
3-372-5	Residues	ttgcctaagg ggacgtgac	19
3-373	**Sequences**		
3-373-1	Sequence Number [ID]	373	
3-373-2	Molecule Type	DNA	
3-373-3	Length	19	
3-373-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-373-5	Residues	tttgcctaag gggacgtga	19
3-374	**Sequences**		
3-374-1	Sequence Number [ID]	374	
3-374-2	Molecule Type	DNA	
3-374-3	Length	19	
3-374-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-374-5	Residues	ttttgcctaa ggggacgtg	19
3-375	**Sequences**		
3-375-1	Sequence Number [ID]	375	
3-375-2	Molecule Type	DNA	
3-375-3	Length	19	
3-375-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-375-5	Residues	gttttgccta aggggacgt	19
3-376	**Sequences**		
3-376-1	Sequence Number [ID]	376	
3-376-2	Molecule Type	DNA	
3-376-3	Length	19	
3-376-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-376-5	Residues	tgttttgcct aaggggacg	19
3-377	**Sequences**		
3-377-1	Sequence Number [ID]	377	
3-377-2	Molecule Type	DNA	
3-377-3	Length	19	
3-377-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-377-5	Residues	ctgttttgcc taaggggac	19
3-378	**Sequences**		
3-378-1	Sequence Number [ID]	378	
3-378-2	Molecule Type	DNA	
3-378-3	Length	19	
3-378-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	

		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-378-5	Residues	cctgttttgc ctaagggga	19
3-379	**Sequences**		
3-379-1	Sequence Number [ID]	379	
3-379-2	Molecule Type	DNA	
3-379-3	Length	19	
3-379-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-379-5	Residues	acctgttttg cctaagggg	19
3-380	**Sequences**		
3-380-1	Sequence Number [ID]	380	
3-380-2	Molecule Type	DNA	
3-380-3	Length	19	
3-380-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-380-5	Residues	gacctgtttt gcctaaggg	19
3-381	**Sequences**		
3-381-1	Sequence Number [ID]	381	
3-381-2	Molecule Type	DNA	
3-381-3	Length	19	
3-381-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-381-5	Residues	agacctgttt tgcctaagg	19
3-382	**Sequences**		
3-382-1	Sequence Number [ID]	382	
3-382-2	Molecule Type	DNA	
3-382-3	Length	19	
3-382-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-382-5	Residues	gagacctgtt ttgcctaag	19
3-383	**Sequences**		
3-383-1	Sequence Number [ID]	383	
3-383-2	Molecule Type	DNA	
3-383-3	Length	19	
3-383-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-383-5	Residues	agagacctgt tttgcctaa	19
3-384	**Sequences**		
3-384-1	Sequence Number [ID]	384	
3-384-2	Molecule Type	DNA	
3-384-3	Length	19	
3-384-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	

		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-384-5	Residues	tagagacctg ttttgccta	19
3-385	**Sequences**		
3-385-1	Sequence Number [ID]	385	
3-385-2	Molecule Type	DNA	
3-385-3	Length	19	
3-385-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-385-5	Residues	ctagagacct gttttgcct	19
3-386	**Sequences**		
3-386-1	Sequence Number [ID]	386	
3-386-2	Molecule Type	DNA	
3-386-3	Length	19	
3-386-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-386-5	Residues	actagagacc tgttttgcc	19
3-387	**Sequences**		
3-387-1	Sequence Number [ID]	387	
3-387-2	Molecule Type	DNA	
3-387-3	Length	19	
3-387-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-387-5	Residues	aactagagac ctgttttgc	19
3-388	**Sequences**		
3-388-1	Sequence Number [ID]	388	
3-388-2	Molecule Type	DNA	
3-388-3	Length	19	
3-388-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-388-5	Residues	taactagaga cctgttttg	19
3-389	**Sequences**		
3-389-1	Sequence Number [ID]	389	
3-389-2	Molecule Type	DNA	
3-389-3	Length	19	
3-389-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-389-5	Residues	ctaactagag acctgtttt	19
3-390	**Sequences**		
3-390-1	Sequence Number [ID]	390	
3-390-2	Molecule Type	DNA	
3-390-3	Length	19	

3-390-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-390-5	Residues	cctaactaga gacctgttt	19
3-391	**Sequences**		
3-391-1	Sequence Number [ID]	391	
3-391-2	Molecule Type	DNA	
3-391-3	Length	19	
3-391-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-391-5	Residues	ccctaactag agacctgtt	19
3-392	**Sequences**		
3-392-1	Sequence Number [ID]	392	
3-392-2	Molecule Type	DNA	
3-392-3	Length	19	
3-392-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-392-5	Residues	accctaacta gagacctgt	19
3-393	**Sequences**		
3-393-1	Sequence Number [ID]	393	
3-393-2	Molecule Type	DNA	
3-393-3	Length	19	
3-393-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-393-5	Residues	caccctaact agagacctg	19
3-394	**Sequences**		
3-394-1	Sequence Number [ID]	394	
3-394-2	Molecule Type	DNA	
3-394-3	Length	19	
3-394-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-394-5	Residues	tcaccctaac tagagacct	19
3-395	**Sequences**		
3-395-1	Sequence Number [ID]	395	
3-395-2	Molecule Type	DNA	
3-395-3	Length	19	
3-395-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-395-5	Residues	atcaccctaa ctagagacc	19
3-396	**Sequences**		
3-396-1	Sequence Number [ID]	396	
3-396-2	Molecule Type	DNA	

3-396-3	Length	19	
3-396-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-396-5	Residues	tatcacccta actagagac	19
3-397	**Sequences**		
3-397-1	Sequence Number [ID]	397	
3-397-2	Molecule Type	DNA	
3-397-3	Length	19	
3-397-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-397-5	Residues	atatcaccct aactagaga	19
3-398	**Sequences**		
3-398-1	Sequence Number [ID]	398	
3-398-2	Molecule Type	DNA	
3-398-3	Length	19	
3-398-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-398-5	Residues	aatatcaccc taactagag	19
3-399	**Sequences**		
3-399-1	Sequence Number [ID]	399	
3-399-2	Molecule Type	DNA	
3-399-3	Length	19	
3-399-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-399-5	Residues	actactgagt gacagtaga	19
3-400	**Sequences**		
3-400-1	Sequence Number [ID]	400	
3-400-2	Molecule Type	RNA	
3-400-3	Length	21	
3-400-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-400-5	Residues	ggttcgtgtc tgcttctcca a	21
3-401	**Sequences**		
3-401-1	Sequence Number [ID]	401	
3-401-2	Molecule Type	RNA	
3-401-3	Length	21	
3-401-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-401-5	Residues	cggttcgtgt ctgcttctcc a	21
3-402	**Sequences**		
3-402-1	Sequence Number [ID]	402	

3-402-2	Molecule Type	RNA	
3-402-3	Length	21	
3-402-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-402-5	Residues	tcggttcgtg tctgcttctc c	21
3-403	**Sequences**		
3-403-1	Sequence Number [ID]	403	
3-403-2	Molecule Type	RNA	
3-403-3	Length	21	
3-403-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-403-5	Residues	ttcggttcgt gtctgcttct c	21
3-404	**Sequences**		
3-404-1	Sequence Number [ID]	404	
3-404-2	Molecule Type	RNA	
3-404-3	Length	21	
3-404-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-404-5	Residues	tttcggttcg tgtctgcttc t	21
3-405	**Sequences**		
3-405-1	Sequence Number [ID]	405	
3-405-2	Molecule Type	RNA	
3-405-3	Length	21	
3-405-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-405-5	Residues	atttcggttc gtgtctgctt c	21
3-406	**Sequences**		
3-406-1	Sequence Number [ID]	406	
3-406-2	Molecule Type	RNA	
3-406-3	Length	21	
3-406-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-406-5	Residues	aatttcggtt cgtgtctgct t	21
3-407	**Sequences**		
3-407-1	Sequence Number [ID]	407	
3-407-2	Molecule Type	RNA	
3-407-3	Length	21	
3-407-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-407-5	Residues	aaatttcggt tcgtgtctgc t	21
3-408	**Sequences**		

3-408-1	Sequence Number [ID]	408	
3-408-2	Molecule Type	RNA	
3-408-3	Length	21	
3-408-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-408-5	Residues	aaaatttcgg ttcgtgtctg c	21
3-409	**Sequences**		
3-409-1	Sequence Number [ID]	409	
3-409-2	Molecule Type	RNA	
3-409-3	Length	21	
3-409-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-409-5	Residues	taaaatttcg gttcgtgtct g	21
3-410	**Sequences**		
3-410-1	Sequence Number [ID]	410	
3-410-2	Molecule Type	RNA	
3-410-3	Length	21	
3-410-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-410-5	Residues	ggtgtcaatt tctctttctt t	21
3-411	**Sequences**		
3-411-1	Sequence Number [ID]	411	
3-411-2	Molecule Type	RNA	
3-411-3	Length	21	
3-411-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-411-5	Residues	gggtgtcaat ttctctttct t	21
3-412	**Sequences**		
3-412-1	Sequence Number [ID]	412	
3-412-2	Molecule Type	RNA	
3-412-3	Length	21	
3-412-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-412-5	Residues	cgggtgtcaa tttctctttc t	21
3-413	**Sequences**		
3-413-1	Sequence Number [ID]	413	
3-413-2	Molecule Type	RNA	
3-413-3	Length	21	
3-413-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-413-5	Residues	tcgggtgtca atttctcttt c	21

3-414	**Sequences**		
3-414-1	Sequence Number [ID]	414	
3-414-2	Molecule Type	RNA	
3-414-3	Length	21	
3-414-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-414-5	Residues	gtcgggtgtc aatttctctt t	21
3-415	**Sequences**		
3-415-1	Sequence Number [ID]	415	
3-415-2	Molecule Type	RNA	
3-415-3	Length	21	
3-415-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-415-5	Residues	agtcgggtgt caatttctct t	21
3-416	**Sequences**		
3-416-1	Sequence Number [ID]	416	
3-416-2	Molecule Type	RNA	
3-416-3	Length	21	
3-416-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-416-5	Residues	cagtcgggtg tcaatttctc t	21
3-417	**Sequences**		
3-417-1	Sequence Number [ID]	417	
3-417-2	Molecule Type	RNA	
3-417-3	Length	21	
3-417-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-417-5	Residues	tcagtcgggt gtcaatttct c	21
3-418	**Sequences**		
3-418-1	Sequence Number [ID]	418	
3-418-2	Molecule Type	RNA	
3-418-3	Length	21	
3-418-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-418-5	Residues	ttcagtcggg tgtcaatttc t	21
3-419	**Sequences**		
3-419-1	Sequence Number [ID]	419	
3-419-2	Molecule Type	RNA	
3-419-3	Length	21	
3-419-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		

3-419-5	Residues	tttcagtcgg gtgtcaattt c	21
3-420	**Sequences**		
3-420-1	Sequence Number [ID]	420	
3-420-2	Molecule Type	RNA	
3-420-3	Length	21	
3-420-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-420-5	Residues	ttttcagtcg ggtgtcaatt t	21
3-421	**Sequences**		
3-421-1	Sequence Number [ID]	421	
3-421-2	Molecule Type	RNA	
3-421-3	Length	21	
3-421-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-421-5	Residues	gttttcagtc gggtgtcaat t	21
3-422	**Sequences**		
3-422-1	Sequence Number [ID]	422	
3-422-2	Molecule Type	RNA	
3-422-3	Length	21	
3-422-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-422-5	Residues	cgttttcagt cgggtgtcaa t	21
3-423	**Sequences**		
3-423-1	Sequence Number [ID]	423	
3-423-2	Molecule Type	RNA	
3-423-3	Length	21	
3-423-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-423-5	Residues	gcgttttcag tcgggtgtca a	21
3-424	**Sequences**		
3-424-1	Sequence Number [ID]	424	
3-424-2	Molecule Type	RNA	
3-424-3	Length	21	
3-424-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-424-5	Residues	ggcgttttca gtcgggtgtc a	21
3-425	**Sequences**		
3-425-1	Sequence Number [ID]	425	
3-425-2	Molecule Type	RNA	
3-425-3	Length	21	
3-425-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	

	NonEnglishQualifier Value		
3-425-5	Residues	gggcgttttc agtcgggtgt c	21
3-426	**Sequences**		
3-426-1	Sequence Number [ID]	426	
3-426-2	Molecule Type	RNA	
3-426-3	Length	21	
3-426-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-426-5	Residues	ggggcgtttt cagtcgggtg t	21
3-427	**Sequences**		
3-427-1	Sequence Number [ID]	427	
3-427-2	Molecule Type	RNA	
3-427-3	Length	21	
3-427-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-427-5	Residues	aggggcgttt tcagtcgggt g	21
3-428	**Sequences**		
3-428-1	Sequence Number [ID]	428	
3-428-2	Molecule Type	RNA	
3-428-3	Length	21	
3-428-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-428-5	Residues	aaggggcgtt ttcagtcggg t	21
3-429	**Sequences**		
3-429-1	Sequence Number [ID]	429	
3-429-2	Molecule Type	RNA	
3-429-3	Length	21	
3-429-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-429-5	Residues	taaggggcgt tttcagtcgg g	21
3-430	**Sequences**		
3-430-1	Sequence Number [ID]	430	
3-430-2	Molecule Type	RNA	
3-430-3	Length	21	
3-430-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-430-5	Residues	gtaaggggcg ttttcagtcg g	21
3-431	**Sequences**		
3-431-1	Sequence Number [ID]	431	
3-431-2	Molecule Type	RNA	
3-431-3	Length	21	
3-431-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	

		organism=synthetic construct	
	NonEnglishQualifier Value		
3-431-5	Residues	agtaaggggc gttttcagtc g	21
3-432	**Sequences**		
3-432-1	Sequence Number [ID]	432	
3-432-2	Molecule Type	RNA	
3-432-3	Length	21	
3-432-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-432-5	Residues	aagtaagggg cgttttcagt c	21
3-433	**Sequences**		
3-433-1	Sequence Number [ID]	433	
3-433-2	Molecule Type	RNA	
3-433-3	Length	21	
3-433-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-433-5	Residues	caagtaaggg gcgttttcag t	21
3-434	**Sequences**		
3-434-1	Sequence Number [ID]	434	
3-434-2	Molecule Type	RNA	
3-434-3	Length	21	
3-434-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-434-5	Residues	acaagtaagg ggcgttttca g	21
3-435	**Sequences**		
3-435-1	Sequence Number [ID]	435	
3-435-2	Molecule Type	RNA	
3-435-3	Length	21	
3-435-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-435-5	Residues	cacaagtaag gggcgttttc a	21
3-436	**Sequences**		
3-436-1	Sequence Number [ID]	436	
3-436-2	Molecule Type	RNA	
3-436-3	Length	21	
3-436-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-436-5	Residues	gcacaagtaa ggggcgtttt c	21
3-437	**Sequences**		
3-437-1	Sequence Number [ID]	437	
3-437-2	Molecule Type	RNA	
3-437-3	Length	21	
3-437-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	

		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-437-5	Residues	tgcacaagta aggggcgttt t	21
3-438	**Sequences**		
3-438-1	Sequence Number [ID]	438	
3-438-2	Molecule Type	RNA	
3-438-3	Length	21	
3-438-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-438-5	Residues	ttgcacaagt aaggggcgtt t	21
3-439	**Sequences**		
3-439-1	Sequence Number [ID]	439	
3-439-2	Molecule Type	RNA	
3-439-3	Length	21	
3-439-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-439-5	Residues	attgcacaag taaggggcgt t	21
3-440	**Sequences**		
3-440-1	Sequence Number [ID]	440	
3-440-2	Molecule Type	RNA	
3-440-3	Length	21	
3-440-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-440-5	Residues	gattgcacaa gtaaggggcg t	21
3-441	**Sequences**		
3-441-1	Sequence Number [ID]	441	
3-441-2	Molecule Type	RNA	
3-441-3	Length	21	
3-441-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-441-5	Residues	agattgcaca agtaaggggc g	21
3-442	**Sequences**		
3-442-1	Sequence Number [ID]	442	
3-442-2	Molecule Type	RNA	
3-442-3	Length	21	
3-442-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-442-5	Residues	aagattgcac aagtaagggg c	21
3-443	**Sequences**		
3-443-1	Sequence Number [ID]	443	
3-443-2	Molecule Type	RNA	
3-443-3	Length	21	
3-443-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	

		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-443-5	Residues	gaagattgca caagtaaggg g	21
3-444	**Sequences**		
3-444-1	Sequence Number [ID]	444	
3-444-2	Molecule Type	RNA	
3-444-3	Length	21	
3-444-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-444-5	Residues	ggaagattgc acaagtaagg g	21
3-445	**Sequences**		
3-445-1	Sequence Number [ID]	445	
3-445-2	Molecule Type	RNA	
3-445-3	Length	21	
3-445-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-445-5	Residues	aggaagattg cacaagtaag g	21
3-446	**Sequences**		
3-446-1	Sequence Number [ID]	446	
3-446-2	Molecule Type	RNA	
3-446-3	Length	21	
3-446-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-446-5	Residues	caggaagatt gcacaagtaa g	21
3-447	**Sequences**		
3-447-1	Sequence Number [ID]	447	
3-447-2	Molecule Type	RNA	
3-447-3	Length	21	
3-447-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-447-5	Residues	gcaggaagat tgcacaagta a	21
3-448	**Sequences**		
3-448-1	Sequence Number [ID]	448	
3-448-2	Molecule Type	RNA	
3-448-3	Length	21	
3-448-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-448-5	Residues	ggcaggaaga ttgcacaagt a	21
3-449	**Sequences**		
3-449-1	Sequence Number [ID]	449	
3-449-2	Molecule Type	RNA	
3-449-3	Length	21	

3-449-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-449-5	Residues	aggcaggaag attgcacaag t	21
3-450	**Sequences**		
3-450-1	Sequence Number [ID]	450	
3-450-2	Molecule Type	RNA	
3-450-3	Length	21	
3-450-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-450-5	Residues	caggcaggaa gattgcacaa g	21
3-451	**Sequences**		
3-451-1	Sequence Number [ID]	451	
3-451-2	Molecule Type	RNA	
3-451-3	Length	21	
3-451-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-451-5	Residues	ccaggcagga agattgcaca a	21
3-452	**Sequences**		
3-452-1	Sequence Number [ID]	452	
3-452-2	Molecule Type	RNA	
3-452-3	Length	21	
3-452-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-452-5	Residues	accaggcagg aagattgcac a	21
3-453	**Sequences**		
3-453-1	Sequence Number [ID]	453	
3-453-2	Molecule Type	RNA	
3-453-3	Length	21	
3-453-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-453-5	Residues	taccaggcag gaagattgca c	21
3-454	**Sequences**		
3-454-1	Sequence Number [ID]	454	
3-454-2	Molecule Type	RNA	
3-454-3	Length	21	
3-454-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-454-5	Residues	ctaccaggca ggaagattgc a	21
3-455	**Sequences**		
3-455-1	Sequence Number [ID]	455	
3-455-2	Molecule Type	RNA	

3-455-3	Length	21	
3-455-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-455-5	Residues	actaccaggc aggaagattg c	21
3-456	**Sequences**		
3-456-1	Sequence Number [ID]	456	
3-456-2	Molecule Type	RNA	
3-456-3	Length	21	
3-456-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-456-5	Residues	aactaccagg caggaagatt g	21
3-457	**Sequences**		
3-457-1	Sequence Number [ID]	457	
3-457-2	Molecule Type	RNA	
3-457-3	Length	21	
3-457-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-457-5	Residues	gaactaccag gcaggaagat t	21
3-458	**Sequences**		
3-458-1	Sequence Number [ID]	458	
3-458-2	Molecule Type	RNA	
3-458-3	Length	21	
3-458-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-458-5	Residues	ggaactacca ggcaggaaga t	21
3-459	**Sequences**		
3-459-1	Sequence Number [ID]	459	
3-459-2	Molecule Type	RNA	
3-459-3	Length	21	
3-459-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-459-5	Residues	cggaactacc aggcaggaag a	21
3-460	**Sequences**		
3-460-1	Sequence Number [ID]	460	
3-460-2	Molecule Type	RNA	
3-460-3	Length	21	
3-460-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-460-5	Residues	gcggaactac caggcaggaa g	21
3-461	**Sequences**		
3-461-1	Sequence Number [ID]	461	

3-461-2	Molecule Type	RNA	
3-461-3	Length	21	
3-461-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-461-5	Residues	ggcggaacta ccaggcagga a	21
3-462	**Sequences**		
3-462-1	Sequence Number [ID]	462	
3-462-2	Molecule Type	RNA	
3-462-3	Length	21	
3-462-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-462-5	Residues	tggcggaact accaggcagg a	21
3-463	**Sequences**		
3-463-1	Sequence Number [ID]	463	
3-463-2	Molecule Type	RNA	
3-463-3	Length	21	
3-463-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-463-5	Residues	ttggcggaac taccaggcag g	21
3-464	**Sequences**		
3-464-1	Sequence Number [ID]	464	
3-464-2	Molecule Type	RNA	
3-464-3	Length	21	
3-464-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-464-5	Residues	tttggcggaa ctaccaggca g	21
3-465	**Sequences**		
3-465-1	Sequence Number [ID]	465	
3-465-2	Molecule Type	RNA	
3-465-3	Length	21	
3-465-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-465-5	Residues	ttttggcgga actaccaggc a	21
3-466	**Sequences**		
3-466-1	Sequence Number [ID]	466	
3-466-2	Molecule Type	RNA	
3-466-3	Length	21	
3-466-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-466-5	Residues	cgctttgact gttttgtttt t	21
3-467	**Sequences**		

3-467-1	Sequence Number [ID]	467	
3-467-2	Molecule Type	RNA	
3-467-3	Length	21	
3-467-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-467-5	Residues	gcgctttgac tgttttgttt t	21
3-468	**Sequences**		
3-468-1	Sequence Number [ID]	468	
3-468-2	Molecule Type	RNA	
3-468-3	Length	21	
3-468-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-468-5	Residues	tgcgctttga ctgttttgtt t	21
3-469	**Sequences**		
3-469-1	Sequence Number [ID]	469	
3-469-2	Molecule Type	RNA	
3-469-3	Length	21	
3-469-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-469-5	Residues	ttgcgctttg actgttttgt t	21
3-470	**Sequences**		
3-470-1	Sequence Number [ID]	470	
3-470-2	Molecule Type	RNA	
3-470-3	Length	21	
3-470-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-470-5	Residues	tttgcgcttt gactgttttg t	21
3-471	**Sequences**		
3-471-1	Sequence Number [ID]	471	
3-471-2	Molecule Type	RNA	
3-471-3	Length	21	
3-471-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-471-5	Residues	gtttgcgctt tgactgtttt g	21
3-472	**Sequences**		
3-472-1	Sequence Number [ID]	472	
3-472-2	Molecule Type	RNA	
3-472-3	Length	21	
3-472-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-472-5	Residues	ggtttgcgct ttgactgttt t	21

3-473	**Sequences**		
3-473-1	Sequence Number [ID]	473	
3-473-2	Molecule Type	RNA	
3-473-3	Length	21	
3-473-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-473-5	Residues	aggtttgcgc tttgactgtt t	21
3-474	**Sequences**		
3-474-1	Sequence Number [ID]	474	
3-474-2	Molecule Type	RNA	
3-474-3	Length	21	
3-474-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-474-5	Residues	caggtttgcg ctttgactgt t	21
3-475	**Sequences**		
3-475-1	Sequence Number [ID]	475	
3-475-2	Molecule Type	RNA	
3-475-3	Length	21	
3-475-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-475-5	Residues	ccaggtttgc gctttgactg t	21
3-476	**Sequences**		
3-476-1	Sequence Number [ID]	476	
3-476-2	Molecule Type	RNA	
3-476-3	Length	21	
3-476-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-476-5	Residues	tccaggtttg cgctttgact g	21
3-477	**Sequences**		
3-477-1	Sequence Number [ID]	477	
3-477-2	Molecule Type	RNA	
3-477-3	Length	21	
3-477-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-477-5	Residues	ttccaggttt gcgctttgac t	21
3-478	**Sequences**		
3-478-1	Sequence Number [ID]	478	
3-478-2	Molecule Type	RNA	
3-478-3	Length	21	
3-478-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		

3-478-5	Residues	cttccaggtt tgcgctttga c	21
3-479	**Sequences**		
3-479-1	Sequence Number [ID]	479	
3-479-2	Molecule Type	RNA	
3-479-3	Length	21	
3-479-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-479-5	Residues	ccttccaggt ttgcgctttg a	21
3-480	**Sequences**		
3-480-1	Sequence Number [ID]	480	
3-480-2	Molecule Type	RNA	
3-480-3	Length	21	
3-480-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-480-5	Residues	cccttccagg tttgcgcttt g	21
3-481	**Sequences**		
3-481-1	Sequence Number [ID]	481	
3-481-2	Molecule Type	RNA	
3-481-3	Length	21	
3-481-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-481-5	Residues	ccccttccag gtttgcgctt t	21
3-482	**Sequences**		
3-482-1	Sequence Number [ID]	482	
3-482-2	Molecule Type	RNA	
3-482-3	Length	21	
3-482-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-482-5	Residues	gcccccttcca ggtttgcgct t	21
3-483	**Sequences**		
3-483-1	Sequence Number [ID]	483	
3-483-2	Molecule Type	RNA	
3-483-3	Length	21	
3-483-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-483-5	Residues	cgcccccttcc aggtttgcgc t	21
3-484	**Sequences**		
3-484-1	Sequence Number [ID]	484	
3-484-2	Molecule Type	RNA	
3-484-3	Length	21	
3-484-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	

	NonEnglishQualifier Value		
3-484-5	Residues	gcgccccttc caggtttgcg c	21
3-485	**Sequences**		
3-485-1	Sequence Number [ID]	485	
3-485-2	Molecule Type	RNA	
3-485-3	Length	21	
3-485-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-485-5	Residues	cgcgcccctt ccaggtttgc g	21
3-486	**Sequences**		
3-486-1	Sequence Number [ID]	486	
3-486-2	Molecule Type	RNA	
3-486-3	Length	21	
3-486-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-486-5	Residues	caaagttggt gcctgcgcgc c	21
3-487	**Sequences**		
3-487-1	Sequence Number [ID]	487	
3-487-2	Molecule Type	RNA	
3-487-3	Length	21	
3-487-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-487-5	Residues	gcaaagttgg tgcctgcgcg c	21
3-488	**Sequences**		
3-488-1	Sequence Number [ID]	488	
3-488-2	Molecule Type	RNA	
3-488-3	Length	21	
3-488-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-488-5	Residues	ggcaaagttg gtgcctgcgc g	21
3-489	**Sequences**		
3-489-1	Sequence Number [ID]	489	
3-489-2	Molecule Type	RNA	
3-489-3	Length	21	
3-489-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-489-5	Residues	tggcaaagtt ggtgcctgcg c	21
3-490	**Sequences**		
3-490-1	Sequence Number [ID]	490	
3-490-2	Molecule Type	RNA	
3-490-3	Length	21	
3-490-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	

		organism=synthetic construct	
	NonEnglishQualifier Value		
3-490-5	Residues	`ttggcaaagt tggtgcctgc g`	21
3-491	**Sequences**		
3-491-1	Sequence Number [ID]	491	
3-491-2	Molecule Type	RNA	
3-491-3	Length	21	
3-491-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-491-5	Residues	`tttggcaaag ttggtgcctg c`	21
3-492	**Sequences**		
3-492-1	Sequence Number [ID]	492	
3-492-2	Molecule Type	RNA	
3-492-3	Length	21	
3-492-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-492-5	Residues	`gtttggcaaa gttggtgcct g`	21
3-493	**Sequences**		
3-493-1	Sequence Number [ID]	493	
3-493-2	Molecule Type	RNA	
3-493-3	Length	21	
3-493-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-493-5	Residues	`cgtttggcaa agttggtgcc t`	21
3-494	**Sequences**		
3-494-1	Sequence Number [ID]	494	
3-494-2	Molecule Type	RNA	
3-494-3	Length	21	
3-494-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-494-5	Residues	`gcgtttggca aagttggtgc c`	21
3-495	**Sequences**		
3-495-1	Sequence Number [ID]	495	
3-495-2	Molecule Type	RNA	
3-495-3	Length	21	
3-495-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-495-5	Residues	`agcgtttggc aaagttggtg c`	21
3-496	**Sequences**		
3-496-1	Sequence Number [ID]	496	
3-496-2	Molecule Type	RNA	
3-496-3	Length	21	
3-496-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	

		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-496-5	Residues	tagcgtttgg caaagttggt g	21
3-497	**Sequences**		
3-497-1	Sequence Number [ID]	497	
3-497-2	Molecule Type	RNA	
3-497-3	Length	21	
3-497-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-497-5	Residues	gtagcgtttg gcaaagttgg t	21
3-498	**Sequences**		
3-498-1	Sequence Number [ID]	498	
3-498-2	Molecule Type	RNA	
3-498-3	Length	21	
3-498-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-498-5	Residues	tgtagcgttt ggcaaagttg g	21
3-499	**Sequences**		
3-499-1	Sequence Number [ID]	499	
3-499-2	Molecule Type	RNA	
3-499-3	Length	21	
3-499-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-499-5	Residues	ctgtagcgtt tggcaaagtt g	21
3-500	**Sequences**		
3-500-1	Sequence Number [ID]	500	
3-500-2	Molecule Type	RNA	
3-500-3	Length	21	
3-500-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-500-5	Residues	tctgtagcgt ttggcaaagt t	21
3-501	**Sequences**		
3-501-1	Sequence Number [ID]	501	
3-501-2	Molecule Type	RNA	
3-501-3	Length	21	
3-501-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-501-5	Residues	ctctgtagcg tttggcaaag t	21
3-502	**Sequences**		
3-502-1	Sequence Number [ID]	502	
3-502-2	Molecule Type	RNA	
3-502-3	Length	21	
3-502-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	

		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-502-5	Residues	actctgtagc gtttggcaaa g	21
3-503	**Sequences**		
3-503-1	Sequence Number [ID]	503	
3-503-2	Molecule Type	RNA	
3-503-3	Length	21	
3-503-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-503-5	Residues	aactctgtag cgtttggcaa a	21
3-504	**Sequences**		
3-504-1	Sequence Number [ID]	504	
3-504-2	Molecule Type	RNA	
3-504-3	Length	21	
3-504-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-504-5	Residues	aaactctgta gcgtttggca a	21
3-505	**Sequences**		
3-505-1	Sequence Number [ID]	505	
3-505-2	Molecule Type	RNA	
3-505-3	Length	21	
3-505-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-505-5	Residues	aaaactctgt agcgtttggc a	21
3-506	**Sequences**		
3-506-1	Sequence Number [ID]	506	
3-506-2	Molecule Type	RNA	
3-506-3	Length	21	
3-506-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-506-5	Residues	gaaaactctg tagcgtttgg c	21
3-507	**Sequences**		
3-507-1	Sequence Number [ID]	507	
3-507-2	Molecule Type	RNA	
3-507-3	Length	21	
3-507-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-507-5	Residues	ggaaaactct gtagcgtttg g	21
3-508	**Sequences**		
3-508-1	Sequence Number [ID]	508	
3-508-2	Molecule Type	RNA	
3-508-3	Length	21	

3-508-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-508-5	Residues	`cggaaaactc tgtagcgttt g`	21
3-509	**Sequences**		
3-509-1	Sequence Number [ID]	509	
3-509-2	Molecule Type	RNA	
3-509-3	Length	21	
3-509-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-509-5	Residues	`acggaaaact ctgtagcgtt t`	21
3-510	**Sequences**		
3-510-1	Sequence Number [ID]	510	
3-510-2	Molecule Type	RNA	
3-510-3	Length	21	
3-510-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-510-5	Residues	`aacggaaaac tctgtagcgt t`	21
3-511	**Sequences**		
3-511-1	Sequence Number [ID]	511	
3-511-2	Molecule Type	RNA	
3-511-3	Length	21	
3-511-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-511-5	Residues	`aaacggaaaa ctctgtagcg t`	21
3-512	**Sequences**		
3-512-1	Sequence Number [ID]	512	
3-512-2	Molecule Type	RNA	
3-512-3	Length	21	
3-512-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-512-5	Residues	`caaacggaaa actctgtagc g`	21
3-513	**Sequences**		
3-513-1	Sequence Number [ID]	513	
3-513-2	Molecule Type	RNA	
3-513-3	Length	21	
3-513-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-513-5	Residues	`gcaaacggaa aactctgtag c`	21
3-514	**Sequences**		
3-514-1	Sequence Number [ID]	514	
3-514-2	Molecule Type	RNA	

3-514-3	Length	21	
3-514-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-514-5	Residues	tgcaaacgga aaactctgta g	21
3-515	**Sequences**		
3-515-1	Sequence Number [ID]	515	
3-515-2	Molecule Type	RNA	
3-515-3	Length	21	
3-515-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-515-5	Residues	ctgcaaacgg aaaactctgt a	21
3-516	**Sequences**		
3-516-1	Sequence Number [ID]	516	
3-516-2	Molecule Type	RNA	
3-516-3	Length	21	
3-516-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-516-5	Residues	tctgcaaacg gaaaactctg t	21
3-517	**Sequences**		
3-517-1	Sequence Number [ID]	517	
3-517-2	Molecule Type	RNA	
3-517-3	Length	21	
3-517-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-517-5	Residues	ttctgcaaac ggaaaactct g	21
3-518	**Sequences**		
3-518-1	Sequence Number [ID]	518	
3-518-2	Molecule Type	RNA	
3-518-3	Length	21	
3-518-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-518-5	Residues	tttctgcaaa cggaaaactc t	21
3-519	**Sequences**		
3-519-1	Sequence Number [ID]	519	
3-519-2	Molecule Type	RNA	
3-519-3	Length	21	
3-519-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-519-5	Residues	atttctgcaa acggaaaact c	21
3-520	**Sequences**		
3-520-1	Sequence Number [ID]	520	

3-520-2	Molecule Type	RNA	
3-520-3	Length	21	
3-520-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-520-5	Residues	`catttctgca aacggaaaac t`	21
3-521	**Sequences**		
3-521-1	Sequence Number [ID]	521	
3-521-2	Molecule Type	RNA	
3-521-3	Length	21	
3-521-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-521-5	Residues	`tcatttctgc aaacggaaaa c`	21
3-522	**Sequences**		
3-522-1	Sequence Number [ID]	522	
3-522-2	Molecule Type	RNA	
3-522-3	Length	21	
3-522-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-522-5	Residues	`gtcatttctg caaacggaaa a`	21
3-523	**Sequences**		
3-523-1	Sequence Number [ID]	523	
3-523-2	Molecule Type	RNA	
3-523-3	Length	21	
3-523-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-523-5	Residues	`ggtcatttct gcaaacggaa a`	21
3-524	**Sequences**		
3-524-1	Sequence Number [ID]	524	
3-524-2	Molecule Type	RNA	
3-524-3	Length	21	
3-524-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-524-5	Residues	`gggtcatttc tgcaaacgga a`	21
3-525	**Sequences**		
3-525-1	Sequence Number [ID]	525	
3-525-2	Molecule Type	RNA	
3-525-3	Length	21	
3-525-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-525-5	Residues	`tgggtcattt ctgcaaacgg a`	21
3-526	**Sequences**		

3-526-1	Sequence Number [ID]	526	
3-526-2	Molecule Type	RNA	
3-526-3	Length	21	
3-526-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-526-5	Residues	ttgggtcatt tctgcaaacg g	21
3-527	**Sequences**		
3-527-1	Sequence Number [ID]	527	
3-527-2	Molecule Type	RNA	
3-527-3	Length	21	
3-527-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-527-5	Residues	tttgggtcat ttctgcaaac g	21
3-528	**Sequences**		
3-528-1	Sequence Number [ID]	528	
3-528-2	Molecule Type	RNA	
3-528-3	Length	21	
3-528-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-528-5	Residues	ttttgggtca tttctgcaaa c	21
3-529	**Sequences**		
3-529-1	Sequence Number [ID]	529	
3-529-2	Molecule Type	RNA	
3-529-3	Length	21	
3-529-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-529-5	Residues	cttttgggtc atttctgcaa a	21
3-530	**Sequences**		
3-530-1	Sequence Number [ID]	530	
3-530-2	Molecule Type	RNA	
3-530-3	Length	21	
3-530-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-530-5	Residues	tcttttgggt catttctgca a	21
3-531	**Sequences**		
3-531-1	Sequence Number [ID]	531	
3-531-2	Molecule Type	RNA	
3-531-3	Length	21	
3-531-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-531-5	Residues	ttcttttggg tcatttctgc a	21

3-532	**Sequences**		
3-532-1	Sequence Number [ID]	532	
3-532-2	Molecule Type	RNA	
3-532-3	Length	21	
3-532-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-532-5	Residues	cttcttttgg gtcatttctg c	21
3-533	**Sequences**		
3-533-1	Sequence Number [ID]	533	
3-533-2	Molecule Type	RNA	
3-533-3	Length	21	
3-533-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-533-5	Residues	ccttcttttg ggtcatttct g	21
3-534	**Sequences**		
3-534-1	Sequence Number [ID]	534	
3-534-2	Molecule Type	RNA	
3-534-3	Length	21	
3-534-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-534-5	Residues	cccttctttt gggtcatttc t	21
3-535	**Sequences**		
3-535-1	Sequence Number [ID]	535	
3-535-2	Molecule Type	RNA	
3-535-3	Length	21	
3-535-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-535-5	Residues	ccccttcttt tgggtcattt c	21
3-536	**Sequences**		
3-536-1	Sequence Number [ID]	536	
3-536-2	Molecule Type	RNA	
3-536-3	Length	21	
3-536-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-536-5	Residues	tggggaatca cggggagcgg c	21
3-537	**Sequences**		
3-537-1	Sequence Number [ID]	537	
3-537-2	Molecule Type	RNA	
3-537-3	Length	21	
3-537-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		

3-537-5	Residues	ttggggaatc acggggagcg g	21
3-538	**Sequences**		
3-538-1	Sequence Number [ID]	538	
3-538-2	Molecule Type	RNA	
3-538-3	Length	21	
3-538-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-538-5	Residues	attggggaat cacggggagc g	21
3-539	**Sequences**		
3-539-1	Sequence Number [ID]	539	
3-539-2	Molecule Type	RNA	
3-539-3	Length	21	
3-539-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-539-5	Residues	gattggggaa tcacggggag c	21
3-540	**Sequences**		
3-540-1	Sequence Number [ID]	540	
3-540-2	Molecule Type	RNA	
3-540-3	Length	21	
3-540-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-540-5	Residues	cgattgggga atcacgggga g	21
3-541	**Sequences**		
3-541-1	Sequence Number [ID]	541	
3-541-2	Molecule Type	RNA	
3-541-3	Length	21	
3-541-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-541-5	Residues	ccgattgggg aatcacgggg a	21
3-542	**Sequences**		
3-542-1	Sequence Number [ID]	542	
3-542-2	Molecule Type	RNA	
3-542-3	Length	21	
3-542-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-542-5	Residues	gccgattggg gaatcacggg g	21
3-543	**Sequences**		
3-543-1	Sequence Number [ID]	543	
3-543-2	Molecule Type	RNA	
3-543-3	Length	21	
3-543-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	

	NonEnglishQualifier Value		
3-543-5	Residues	agccgattgg ggaatcacgg g	21
3-544	**Sequences**		
3-544-1	Sequence Number [ID]	544	
3-544-2	Molecule Type	RNA	
3-544-3	Length	21	
3-544-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-544-5	Residues	aagccgattg gggaatcacg g	21
3-545	**Sequences**		
3-545-1	Sequence Number [ID]	545	
3-545-2	Molecule Type	RNA	
3-545-3	Length	21	
3-545-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-545-5	Residues	gaagccgatt ggggaatcac g	21
3-546	**Sequences**		
3-546-1	Sequence Number [ID]	546	
3-546-2	Molecule Type	RNA	
3-546-3	Length	21	
3-546-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-546-5	Residues	agaagccgat tggggaatca c	21
3-547	**Sequences**		
3-547-1	Sequence Number [ID]	547	
3-547-2	Molecule Type	RNA	
3-547-3	Length	21	
3-547-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-547-5	Residues	cagaagccga ttggggaatc a	21
3-548	**Sequences**		
3-548-1	Sequence Number [ID]	548	
3-548-2	Molecule Type	RNA	
3-548-3	Length	21	
3-548-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-548-5	Residues	ccagaagccg attggggaat c	21
3-549	**Sequences**		
3-549-1	Sequence Number [ID]	549	
3-549-2	Molecule Type	RNA	
3-549-3	Length	21	
3-549-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	

		organism=synthetic construct	
	NonEnglishQualifier Value		
3-549-5	Residues	tccagaagcc gattggggaa t	21
3-550	**Sequences**		
3-550-1	Sequence Number [ID]	550	
3-550-2	Molecule Type	RNA	
3-550-3	Length	21	
3-550-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-550-5	Residues	ctccagaagc cgattgggga a	21
3-551	**Sequences**		
3-551-1	Sequence Number [ID]	551	
3-551-2	Molecule Type	RNA	
3-551-3	Length	21	
3-551-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-551-5	Residues	gctccagaag ccgattgggg a	21
3-552	**Sequences**		
3-552-1	Sequence Number [ID]	552	
3-552-2	Molecule Type	RNA	
3-552-3	Length	21	
3-552-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-552-5	Residues	ggctccagaa gccgattggg g	21
3-553	**Sequences**		
3-553-1	Sequence Number [ID]	553	
3-553-2	Molecule Type	RNA	
3-553-3	Length	21	
3-553-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-553-5	Residues	tggctccaga agccgattgg g	21
3-554	**Sequences**		
3-554-1	Sequence Number [ID]	554	
3-554-2	Molecule Type	RNA	
3-554-3	Length	21	
3-554-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-554-5	Residues	ctggctccag aagccgattg g	21
3-555	**Sequences**		
3-555-1	Sequence Number [ID]	555	
3-555-2	Molecule Type	RNA	
3-555-3	Length	21	
3-555-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	

		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-555-5	Residues	tctggctcca gaagccgatt g	21
3-556	**Sequences**		
3-556-1	Sequence Number [ID]	556	
3-556-2	Molecule Type	RNA	
3-556-3	Length	21	
3-556-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-556-5	Residues	ctctggctcc agaagccgat t	21
3-557	**Sequences**		
3-557-1	Sequence Number [ID]	557	
3-557-2	Molecule Type	RNA	
3-557-3	Length	21	
3-557-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-557-5	Residues	cctctggctc cagaagccga t	21
3-558	**Sequences**		
3-558-1	Sequence Number [ID]	558	
3-558-2	Molecule Type	RNA	
3-558-3	Length	21	
3-558-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-558-5	Residues	gcctctggct ccagaagccg a	21
3-559	**Sequences**		
3-559-1	Sequence Number [ID]	559	
3-559-2	Molecule Type	RNA	
3-559-3	Length	21	
3-559-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-559-5	Residues	agcctctggc tccagaagcc g	21
3-560	**Sequences**		
3-560-1	Sequence Number [ID]	560	
3-560-2	Molecule Type	RNA	
3-560-3	Length	21	
3-560-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-560-5	Residues	gagcctctgg ctccagaagc c	21
3-561	**Sequences**		
3-561-1	Sequence Number [ID]	561	
3-561-2	Molecule Type	RNA	
3-561-3	Length	21	
3-561-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	

		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-561-5	Residues	ggagcctctg gctccagaag c	21
3-562	**Sequences**		
3-562-1	Sequence Number [ID]	562	
3-562-2	Molecule Type	RNA	
3-562-3	Length	21	
3-562-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-562-5	Residues	aggagcctct ggctccagaa g	21
3-563	**Sequences**		
3-563-1	Sequence Number [ID]	563	
3-563-2	Molecule Type	RNA	
3-563-3	Length	21	
3-563-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-563-5	Residues	gaggagcctc tggctccaga a	21
3-564	**Sequences**		
3-564-1	Sequence Number [ID]	564	
3-564-2	Molecule Type	RNA	
3-564-3	Length	21	
3-564-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-564-5	Residues	ggaggagcct ctggctccag a	21
3-565	**Sequences**		
3-565-1	Sequence Number [ID]	565	
3-565-2	Molecule Type	RNA	
3-565-3	Length	21	
3-565-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-565-5	Residues	aggaggagcc tctggctcca g	21
3-566	**Sequences**		
3-566-1	Sequence Number [ID]	566	
3-566-2	Molecule Type	RNA	
3-566-3	Length	21	
3-566-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-566-5	Residues	agcagggaag cgggcagcag c	21
3-567	**Sequences**		
3-567-1	Sequence Number [ID]	567	
3-567-2	Molecule Type	RNA	
3-567-3	Length	21	

3-567-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-567-5	Residues	tcctcggagc agggaagcgg g	21
3-568	**Sequences**		
3-568-1	Sequence Number [ID]	568	
3-568-2	Molecule Type	RNA	
3-568-3	Length	21	
3-568-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-568-5	Residues	ttcctcggag cagggaagcg g	21
3-569	**Sequences**		
3-569-1	Sequence Number [ID]	569	
3-569-2	Molecule Type	RNA	
3-569-3	Length	21	
3-569-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-569-5	Residues	tttcctcgga gcagggaagc g	21
3-570	**Sequences**		
3-570-1	Sequence Number [ID]	570	
3-570-2	Molecule Type	RNA	
3-570-3	Length	21	
3-570-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-570-5	Residues	ttttcctcgg agcagggaag c	21
3-571	**Sequences**		
3-571-1	Sequence Number [ID]	571	
3-571-2	Molecule Type	RNA	
3-571-3	Length	21	
3-571-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-571-5	Residues	aaagttgtgg agtcgttttt c	21
3-572	**Sequences**		
3-572-1	Sequence Number [ID]	572	
3-572-2	Molecule Type	RNA	
3-572-3	Length	21	
3-572-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-572-5	Residues	caaagttgtg gagtcgtttt t	21
3-573	**Sequences**		
3-573-1	Sequence Number [ID]	573	
3-573-2	Molecule Type	RNA	

3-573-3	Length	21	
3-573-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-573-5	Residues	acaaagttgt ggagtcgttt t	21
3-574	**Sequences**		
3-574-1	Sequence Number [ID]	574	
3-574-2	Molecule Type	RNA	
3-574-3	Length	21	
3-574-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-574-5	Residues	cacaaagttg tggagtcgtt t	21
3-575	**Sequences**		
3-575-1	Sequence Number [ID]	575	
3-575-2	Molecule Type	RNA	
3-575-3	Length	21	
3-575-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-575-5	Residues	gcacaaagtt gtggagtcgt t	21
3-576	**Sequences**		
3-576-1	Sequence Number [ID]	576	
3-576-2	Molecule Type	RNA	
3-576-3	Length	21	
3-576-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-576-5	Residues	cgcacaaagt tgtggagtcg t	21
3-577	**Sequences**		
3-577-1	Sequence Number [ID]	577	
3-577-2	Molecule Type	RNA	
3-577-3	Length	21	
3-577-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-577-5	Residues	gcgcacaaag ttgtggagtc g	21
3-578	**Sequences**		
3-578-1	Sequence Number [ID]	578	
3-578-2	Molecule Type	RNA	
3-578-3	Length	21	
3-578-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-578-5	Residues	cgcgcacaaa gttgtggagt c	21
3-579	**Sequences**		
3-579-1	Sequence Number [ID]	579	

3-579-2	Molecule Type	RNA	
3-579-3	Length	21	
3-579-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-579-5	Residues	tcgcgcacaa agttgtggag t	21
3-580	**Sequences**		
3-580-1	Sequence Number [ID]	580	
3-580-2	Molecule Type	RNA	
3-580-3	Length	21	
3-580-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-580-5	Residues	ctcgcgcaca aagttgtgga g	21
3-581	**Sequences**		
3-581-1	Sequence Number [ID]	581	
3-581-2	Molecule Type	RNA	
3-581-3	Length	21	
3-581-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-581-5	Residues	tctcgcgcac aaagttgtgg a	21
3-582	**Sequences**		
3-582-1	Sequence Number [ID]	582	
3-582-2	Molecule Type	RNA	
3-582-3	Length	21	
3-582-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-582-5	Residues	ctctcgcgca caaagttgtg g	21
3-583	**Sequences**		
3-583-1	Sequence Number [ID]	583	
3-583-2	Molecule Type	RNA	
3-583-3	Length	21	
3-583-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-583-5	Residues	ccgaaggagc gagcctctct c	21
3-584	**Sequences**		
3-584-1	Sequence Number [ID]	584	
3-584-2	Molecule Type	RNA	
3-584-3	Length	21	
3-584-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-584-5	Residues	gccgaaggag cgagcctctc t	21
3-585	**Sequences**		

3-585-1	Sequence Number [ID]	585	
3-585-2	Molecule Type	RNA	
3-585-3	Length	21	
3-585-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-585-5	Residues	aggaggagcc gccgaaggag c	21
3-586	**Sequences**		
3-586-1	Sequence Number [ID]	586	
3-586-2	Molecule Type	RNA	
3-586-3	Length	21	
3-586-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-586-5	Residues	acaaaggggc aggcccgcag c	21
3-587	**Sequences**		
3-587-1	Sequence Number [ID]	587	
3-587-2	Molecule Type	RNA	
3-587-3	Length	21	
3-587-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-587-5	Residues	aacaaagggg caggcccgca g	21
3-588	**Sequences**		
3-588-1	Sequence Number [ID]	588	
3-588-2	Molecule Type	RNA	
3-588-3	Length	21	
3-588-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-588-5	Residues	caacaaaggg gcaggcccgc a	21
3-589	**Sequences**		
3-589-1	Sequence Number [ID]	589	
3-589-2	Molecule Type	RNA	
3-589-3	Length	21	
3-589-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-589-5	Residues	ccaacaaagg ggcaggcccg c	21
3-590	**Sequences**		
3-590-1	Sequence Number [ID]	590	
3-590-2	Molecule Type	RNA	
3-590-3	Length	21	
3-590-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-590-5	Residues	tccaacaaag gggcaggccc g	21

3-591	**Sequences**		
3-591-1	Sequence Number [ID]	591	
3-591-2	Molecule Type	RNA	
3-591-3	Length	21	
3-591-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-591-5	Residues	ctccaacaaa ggggcaggcc c	21
3-592	**Sequences**		
3-592-1	Sequence Number [ID]	592	
3-592-2	Molecule Type	RNA	
3-592-3	Length	21	
3-592-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-592-5	Residues	gctccaacaa aggggcaggc c	21
3-593	**Sequences**		
3-593-1	Sequence Number [ID]	593	
3-593-2	Molecule Type	RNA	
3-593-3	Length	21	
3-593-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-593-5	Residues	ggctccaaca aaggggcagg c	21
3-594	**Sequences**		
3-594-1	Sequence Number [ID]	594	
3-594-2	Molecule Type	RNA	
3-594-3	Length	21	
3-594-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-594-5	Residues	cggctccaac aaaggggcag g	21
3-595	**Sequences**		
3-595-1	Sequence Number [ID]	595	
3-595-2	Molecule Type	RNA	
3-595-3	Length	21	
3-595-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-595-5	Residues	tcggctccaa caaaggggca g	21
3-596	**Sequences**		
3-596-1	Sequence Number [ID]	596	
3-596-2	Molecule Type	RNA	
3-596-3	Length	21	
3-596-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		

3-596-5	Residues	ctcggctcca acaaaggggc a	21
3-597	**Sequences**		
3-597-1	Sequence Number [ID]	597	
3-597-2	Molecule Type	RNA	
3-597-3	Length	21	
3-597-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-597-5	Residues	gctcggctcc aacaaagggg c	21
3-598	**Sequences**		
3-598-1	Sequence Number [ID]	598	
3-598-2	Molecule Type	RNA	
3-598-3	Length	21	
3-598-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-598-5	Residues	cgctcggctc caacaaaggg g	21
3-599	**Sequences**		
3-599-1	Sequence Number [ID]	599	
3-599-2	Molecule Type	RNA	
3-599-3	Length	21	
3-599-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-599-5	Residues	gcgctcggct ccaacaaagg g	21
3-600	**Sequences**		
3-600-1	Sequence Number [ID]	600	
3-600-2	Molecule Type	RNA	
3-600-3	Length	21	
3-600-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-600-5	Residues	agcgctcggc tccaacaaag g	21
3-601	**Sequences**		
3-601-1	Sequence Number [ID]	601	
3-601-2	Molecule Type	RNA	
3-601-3	Length	21	
3-601-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-601-5	Residues	cagcgctcgg ctccaacaaa g	21
3-602	**Sequences**		
3-602-1	Sequence Number [ID]	602	
3-602-2	Molecule Type	RNA	
3-602-3	Length	21	
3-602-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	

	NonEnglishQualifier Value		
3-602-5	Residues	ccagcgctcg gctccaacaa a	21
3-603	**Sequences**		
3-603-1	Sequence Number [ID]	603	
3-603-2	Molecule Type	RNA	
3-603-3	Length	21	
3-603-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-603-5	Residues	tccagcgctc ggctccaaca a	21
3-604	**Sequences**		
3-604-1	Sequence Number [ID]	604	
3-604-2	Molecule Type	RNA	
3-604-3	Length	21	
3-604-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-604-5	Residues	ctccagcgct cggctccaac a	21
3-605	**Sequences**		
3-605-1	Sequence Number [ID]	605	
3-605-2	Molecule Type	RNA	
3-605-3	Length	21	
3-605-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-605-5	Residues	tctggagagc ggacccctgg c	21
3-606	**Sequences**		
3-606-1	Sequence Number [ID]	606	
3-606-2	Molecule Type	RNA	
3-606-3	Length	21	
3-606-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-606-5	Residues	atctggagag cggacccctg g	21
3-607	**Sequences**		
3-607-1	Sequence Number [ID]	607	
3-607-2	Molecule Type	RNA	
3-607-3	Length	21	
3-607-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-607-5	Residues	catctggaga gcggacccct g	21
3-608	**Sequences**		
3-608-1	Sequence Number [ID]	608	
3-608-2	Molecule Type	RNA	
3-608-3	Length	21	
3-608-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	

		organism=synthetic construct	
	NonEnglishQualifier Value		
3-608-5	Residues	tcatctggag agcggacccc t	21
3-609	**Sequences**		
3-609-1	Sequence Number [ID]	609	
3-609-2	Molecule Type	RNA	
3-609-3	Length	21	
3-609-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-609-5	Residues	ctcatctgga gagcggaccc c	21
3-610	**Sequences**		
3-610-1	Sequence Number [ID]	610	
3-610-2	Molecule Type	RNA	
3-610-3	Length	21	
3-610-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-610-5	Residues	tctcatctgg agagcggacc c	21
3-611	**Sequences**		
3-611-1	Sequence Number [ID]	611	
3-611-2	Molecule Type	RNA	
3-611-3	Length	21	
3-611-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-611-5	Residues	ttctcatctg gagagcggac c	21
3-612	**Sequences**		
3-612-1	Sequence Number [ID]	612	
3-612-2	Molecule Type	RNA	
3-612-3	Length	21	
3-612-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-612-5	Residues	cttctcatct ggagagcgga c	21
3-613	**Sequences**		
3-613-1	Sequence Number [ID]	613	
3-613-2	Molecule Type	RNA	
3-613-3	Length	21	
3-613-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-613-5	Residues	ccttctcatc tggagagcgg a	21
3-614	**Sequences**		
3-614-1	Sequence Number [ID]	614	
3-614-2	Molecule Type	RNA	
3-614-3	Length	21	
3-614-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	

		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-614-5	Residues	`cccttctcat ctggagagcg g`	21
3-615	**Sequences**		
3-615-1	Sequence Number [ID]	615	
3-615-2	Molecule Type	RNA	
3-615-3	Length	21	
3-615-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-615-5	Residues	`acccttctca tctggagagc g`	21
3-616	**Sequences**		
3-616-1	Sequence Number [ID]	616	
3-616-2	Molecule Type	RNA	
3-616-3	Length	21	
3-616-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-616-5	Residues	`cacccttctc atctggagag c`	21
3-617	**Sequences**		
3-617-1	Sequence Number [ID]	617	
3-617-2	Molecule Type	RNA	
3-617-3	Length	21	
3-617-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-617-5	Residues	`gcacccttct catctggaga g`	21
3-618	**Sequences**		
3-618-1	Sequence Number [ID]	618	
3-618-2	Molecule Type	RNA	
3-618-3	Length	21	
3-618-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-618-5	Residues	`tgcacccttc tcatctggag a`	21
3-619	**Sequences**		
3-619-1	Sequence Number [ID]	619	
3-619-2	Molecule Type	RNA	
3-619-3	Length	21	
3-619-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-619-5	Residues	`ctgcaccctt ctcatctgga g`	21
3-620	**Sequences**		
3-620-1	Sequence Number [ID]	620	
3-620-2	Molecule Type	RNA	
3-620-3	Length	21	
3-620-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	

		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-620-5	Residues	tctgcaccct tctcatctgg a	21
3-621	**Sequences**		
3-621-1	Sequence Number [ID]	621	
3-621-2	Molecule Type	RNA	
3-621-3	Length	21	
3-621-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-621-5	Residues	atctgcaccc ttctcatctg g	21
3-622	**Sequences**		
3-622-1	Sequence Number [ID]	622	
3-622-2	Molecule Type	RNA	
3-622-3	Length	21	
3-622-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-622-5	Residues	gatctgcacc cttctcatct g	21
3-623	**Sequences**		
3-623-1	Sequence Number [ID]	623	
3-623-2	Molecule Type	RNA	
3-623-3	Length	21	
3-623-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-623-5	Residues	tgatctgcac ccttctcatc t	21
3-624	**Sequences**		
3-624-1	Sequence Number [ID]	624	
3-624-2	Molecule Type	RNA	
3-624-3	Length	21	
3-624-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-624-5	Residues	ctgatctgca cccttctcat c	21
3-625	**Sequences**		
3-625-1	Sequence Number [ID]	625	
3-625-2	Molecule Type	RNA	
3-625-3	Length	21	
3-625-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-625-5	Residues	gctgatctgc acccttctca t	21
3-626	**Sequences**		
3-626-1	Sequence Number [ID]	626	
3-626-2	Molecule Type	RNA	
3-626-3	Length	21	

3-626-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-626-5	Residues	cgctgatctg caccttctc a	21
3-627	**Sequences**		
3-627-1	Sequence Number [ID]	627	
3-627-2	Molecule Type	RNA	
3-627-3	Length	21	
3-627-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-627-5	Residues	gcgctgatct gcacccttct c	21
3-628	**Sequences**		
3-628-1	Sequence Number [ID]	628	
3-628-2	Molecule Type	RNA	
3-628-3	Length	21	
3-628-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-628-5	Residues	ggcgctgatc tgcacccttc t	21
3-629	**Sequences**		
3-629-1	Sequence Number [ID]	629	
3-629-2	Molecule Type	RNA	
3-629-3	Length	21	
3-629-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-629-5	Residues	tggcgctgat ctgcaccctt c	21
3-630	**Sequences**		
3-630-1	Sequence Number [ID]	630	
3-630-2	Molecule Type	RNA	
3-630-3	Length	21	
3-630-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-630-5	Residues	ctggcgctga tctgcaccct t	21
3-631	**Sequences**		
3-631-1	Sequence Number [ID]	631	
3-631-2	Molecule Type	RNA	
3-631-3	Length	21	
3-631-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-631-5	Residues	gctggcgctg atctgcaccc t	21
3-632	**Sequences**		
3-632-1	Sequence Number [ID]	632	
3-632-2	Molecule Type	RNA	

3-632-3	Length	21	
3-632-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-632-5	Residues	ggctggcgct gatctgcacc c	21
3-633	**Sequences**		
3-633-1	Sequence Number [ID]	633	
3-633-2	Molecule Type	RNA	
3-633-3	Length	21	
3-633-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-633-5	Residues	gggctggcgc tgatctgcac c	21
3-634	**Sequences**		
3-634-1	Sequence Number [ID]	634	
3-634-2	Molecule Type	RNA	
3-634-3	Length	21	
3-634-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-634-5	Residues	agggctggcg ctgatctgca c	21
3-635	**Sequences**		
3-635-1	Sequence Number [ID]	635	
3-635-2	Molecule Type	RNA	
3-635-3	Length	21	
3-635-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-635-5	Residues	gagggctggc gctgatctgc a	21
3-636	**Sequences**		
3-636-1	Sequence Number [ID]	636	
3-636-2	Molecule Type	RNA	
3-636-3	Length	21	
3-636-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-636-5	Residues	ggagggctgg cgctgatctg c	21
3-637	**Sequences**		
3-637-1	Sequence Number [ID]	637	
3-637-2	Molecule Type	RNA	
3-637-3	Length	21	
3-637-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-637-5	Residues	aaagttgctg ggccggcggc g	21
3-638	**Sequences**		
3-638-1	Sequence Number [ID]	638	

3-638-2	Molecule Type	RNA	
3-638-3	Length	21	
3-638-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-638-5	Residues	caaagttgct gggccggcgg c	21
3-639	**Sequences**		
3-639-1	Sequence Number [ID]	639	
3-639-2	Molecule Type	RNA	
3-639-3	Length	21	
3-639-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-639-5	Residues	acaaagttgc tgggccggcg g	21
3-640	**Sequences**		
3-640-1	Sequence Number [ID]	640	
3-640-2	Molecule Type	RNA	
3-640-3	Length	21	
3-640-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-640-5	Residues	aacaaagttg ctgggccggc g	21
3-641	**Sequences**		
3-641-1	Sequence Number [ID]	641	
3-641-2	Molecule Type	RNA	
3-641-3	Length	21	
3-641-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-641-5	Residues	gaacaaagtt gctgggccgg c	21
3-642	**Sequences**		
3-642-1	Sequence Number [ID]	642	
3-642-2	Molecule Type	RNA	
3-642-3	Length	21	
3-642-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-642-5	Residues	ggaacaaagt tgctgggccg g	21
3-643	**Sequences**		
3-643-1	Sequence Number [ID]	643	
3-643-2	Molecule Type	RNA	
3-643-3	Length	21	
3-643-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-643-5	Residues	cggaacaaag ttgctgggcc g	21
3-644	**Sequences**		

3-644-1	Sequence Number [ID]	644	
3-644-2	Molecule Type	RNA	
3-644-3	Length	21	
3-644-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-644-5	Residues	`ccggaacaaa gttgctgggc c`	21
3-645	**Sequences**		
3-645-1	Sequence Number [ID]	645	
3-645-2	Molecule Type	RNA	
3-645-3	Length	21	
3-645-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-645-5	Residues	`tccggaacaa agttgctggg c`	21
3-646	**Sequences**		
3-646-1	Sequence Number [ID]	646	
3-646-2	Molecule Type	RNA	
3-646-3	Length	21	
3-646-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-646-5	Residues	`ttccggaaca aagttgctgg g`	21
3-647	**Sequences**		
3-647-1	Sequence Number [ID]	647	
3-647-2	Molecule Type	RNA	
3-647-3	Length	21	
3-647-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-647-5	Residues	`cttccggaac aaagttgctg g`	21
3-648	**Sequences**		
3-648-1	Sequence Number [ID]	648	
3-648-2	Molecule Type	RNA	
3-648-3	Length	21	
3-648-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-648-5	Residues	`tcttccggaa caaagttgct g`	21
3-649	**Sequences**		
3-649-1	Sequence Number [ID]	649	
3-649-2	Molecule Type	RNA	
3-649-3	Length	21	
3-649-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-649-5	Residues	`atcttccgga acaaagttgc t`	21

3-650	**Sequences**		
3-650-1	Sequence Number [ID]	650	
3-650-2	Molecule Type	RNA	
3-650-3	Length	21	
3-650-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-650-5	Residues	gatcttccgg aacaaagttg c	21
3-651	**Sequences**		
3-651-1	Sequence Number [ID]	651	
3-651-2	Molecule Type	RNA	
3-651-3	Length	21	
3-651-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-651-5	Residues	tgatcttccg gaacaaagtt g	21
3-652	**Sequences**		
3-652-1	Sequence Number [ID]	652	
3-652-2	Molecule Type	RNA	
3-652-3	Length	21	
3-652-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-652-5	Residues	ctgatcttcc ggaacaaagt t	21
3-653	**Sequences**		
3-653-1	Sequence Number [ID]	653	
3-653-2	Molecule Type	RNA	
3-653-3	Length	21	
3-653-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-653-5	Residues	gctgatcttc cggaacaaag t	21
3-654	**Sequences**		
3-654-1	Sequence Number [ID]	654	
3-654-2	Molecule Type	RNA	
3-654-3	Length	21	
3-654-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-654-5	Residues	ggctgatctt ccggaacaaa g	21
3-655	**Sequences**		
3-655-1	Sequence Number [ID]	655	
3-655-2	Molecule Type	RNA	
3-655-3	Length	21	
3-655-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		

3-655-5	Residues	gggctgatct tccggaacaa a	21
3-656	**Sequences**		
3-656-1	Sequence Number [ID]	656	
3-656-2	Molecule Type	RNA	
3-656-3	Length	21	
3-656-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-656-5	Residues	ggggctgatc ttccggaaca a	21
3-657	**Sequences**		
3-657-1	Sequence Number [ID]	657	
3-657-2	Molecule Type	RNA	
3-657-3	Length	21	
3-657-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-657-5	Residues	tggggctgat cttccggaac a	21
3-658	**Sequences**		
3-658-1	Sequence Number [ID]	658	
3-658-2	Molecule Type	RNA	
3-658-3	Length	21	
3-658-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-658-5	Residues	gtggggctga tcttccggaa c	21
3-659	**Sequences**		
3-659-1	Sequence Number [ID]	659	
3-659-2	Molecule Type	RNA	
3-659-3	Length	21	
3-659-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-659-5	Residues	agtggggctg atcttccgga a	21
3-660	**Sequences**		
3-660-1	Sequence Number [ID]	660	
3-660-2	Molecule Type	RNA	
3-660-3	Length	21	
3-660-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-660-5	Residues	tagtggggct gatcttccgg a	21
3-661	**Sequences**		
3-661-1	Sequence Number [ID]	661	
3-661-2	Molecule Type	RNA	
3-661-3	Length	21	
3-661-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	

	NonEnglishQualifier Value		
3-661-5	Residues	gtagtggggc tgatcttccg g	21
3-662	**Sequences**		
3-662-1	Sequence Number [ID]	662	
3-662-2	Molecule Type	RNA	
3-662-3	Length	21	
3-662-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-662-5	Residues	cgtagtgggg ctgatcttcc g	21
3-663	**Sequences**		
3-663-1	Sequence Number [ID]	663	
3-663-2	Molecule Type	RNA	
3-663-3	Length	21	
3-663-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-663-5	Residues	acgtagtggg gctgatcttc c	21
3-664	**Sequences**		
3-664-1	Sequence Number [ID]	664	
3-664-2	Molecule Type	RNA	
3-664-3	Length	21	
3-664-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-664-5	Residues	aacgtagtgg ggctgatctt c	21
3-665	**Sequences**		
3-665-1	Sequence Number [ID]	665	
3-665-2	Molecule Type	RNA	
3-665-3	Length	21	
3-665-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-665-5	Residues	gaacgtagtg gggctgatct t	21
3-666	**Sequences**		
3-666-1	Sequence Number [ID]	666	
3-666-2	Molecule Type	RNA	
3-666-3	Length	21	
3-666-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-666-5	Residues	ggaacgtagt ggggctgatc t	21
3-667	**Sequences**		
3-667-1	Sequence Number [ID]	667	
3-667-2	Molecule Type	RNA	
3-667-3	Length	21	
3-667-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	

		organism=synthetic construct	
	NonEnglishQualifier Value		
3-667-5	Residues	gggaacgtag tggggctgat c	21
3-668	**Sequences**		
3-668-1	Sequence Number [ID]	668	
3-668-2	Molecule Type	RNA	
3-668-3	Length	21	
3-668-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-668-5	Residues	cgggaacgta gtggggctga t	21
3-669	**Sequences**		
3-669-1	Sequence Number [ID]	669	
3-669-2	Molecule Type	RNA	
3-669-3	Length	21	
3-669-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-669-5	Residues	ccgggaacgt agtggggctg a	21
3-670	**Sequences**		
3-670-1	Sequence Number [ID]	670	
3-670-2	Molecule Type	RNA	
3-670-3	Length	21	
3-670-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-670-5	Residues	acccgggaac gtagtggggc t	21
3-671	**Sequences**		
3-671-1	Sequence Number [ID]	671	
3-671-2	Molecule Type	RNA	
3-671-3	Length	21	
3-671-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-671-5	Residues	gacccgggaa cgtagtgggg c	21
3-672	**Sequences**		
3-672-1	Sequence Number [ID]	672	
3-672-2	Molecule Type	RNA	
3-672-3	Length	21	
3-672-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-672-5	Residues	tgacccggga acgtagtggg g	21
3-673	**Sequences**		
3-673-1	Sequence Number [ID]	673	
3-673-2	Molecule Type	RNA	
3-673-3	Length	21	
3-673-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	

		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-673-5	Residues	ctgacccggg aacgtagtgg g	21
3-674	**Sequences**		
3-674-1	Sequence Number [ID]	674	
3-674-2	Molecule Type	RNA	
3-674-3	Length	21	
3-674-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-674-5	Residues	gctgacccgg gaacgtagtg g	21
3-675	**Sequences**		
3-675-1	Sequence Number [ID]	675	
3-675-2	Molecule Type	RNA	
3-675-3	Length	21	
3-675-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-675-5	Residues	cagacgctga cccgggaacg t	21
3-676	**Sequences**		
3-676-1	Sequence Number [ID]	676	
3-676-2	Molecule Type	RNA	
3-676-3	Length	21	
3-676-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-676-5	Residues	gcagacgctg acccgggaac g	21
3-677	**Sequences**		
3-677-1	Sequence Number [ID]	677	
3-677-2	Molecule Type	RNA	
3-677-3	Length	21	
3-677-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-677-5	Residues	tggggcgcca agttcccgac g	21
3-678	**Sequences**		
3-678-1	Sequence Number [ID]	678	
3-678-2	Molecule Type	RNA	
3-678-3	Length	21	
3-678-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-678-5	Residues	ttggggcgcc aagttcccga c	21
3-679	**Sequences**		
3-679-1	Sequence Number [ID]	679	
3-679-2	Molecule Type	RNA	
3-679-3	Length	21	
3-679-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	

		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-679-5	Residues	`cttggggcgc caagttcccg a`	21
3-680	**Sequences**		
3-680-1	Sequence Number [ID]	680	
3-680-2	Molecule Type	RNA	
3-680-3	Length	21	
3-680-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-680-5	Residues	`acttggggcg ccaagttccc g`	21
3-681	**Sequences**		
3-681-1	Sequence Number [ID]	681	
3-681-2	Molecule Type	RNA	
3-681-3	Length	21	
3-681-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-681-5	Residues	`gacttggggc gccaagttcc c`	21
3-682	**Sequences**		
3-682-1	Sequence Number [ID]	682	
3-682-2	Molecule Type	RNA	
3-682-3	Length	21	
3-682-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-682-5	Residues	`tgacttgggg cgccaagttc c`	21
3-683	**Sequences**		
3-683-1	Sequence Number [ID]	683	
3-683-2	Molecule Type	RNA	
3-683-3	Length	21	
3-683-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-683-5	Residues	`gtgacttggg gcgccaagtt c`	21
3-684	**Sequences**		
3-684-1	Sequence Number [ID]	684	
3-684-2	Molecule Type	RNA	
3-684-3	Length	21	
3-684-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-684-5	Residues	`ggtgacttgg ggcgccaagt t`	21
3-685	**Sequences**		
3-685-1	Sequence Number [ID]	685	
3-685-2	Molecule Type	RNA	
3-685-3	Length	21	

3-685-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-685-5	Residues	aggtgacttg gggcgccaag t	21
3-686	**Sequences**		
3-686-1	Sequence Number [ID]	686	
3-686-2	Molecule Type	RNA	
3-686-3	Length	21	
3-686-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-686-5	Residues	caggtgactt ggggcgccaa g	21
3-687	**Sequences**		
3-687-1	Sequence Number [ID]	687	
3-687-2	Molecule Type	RNA	
3-687-3	Length	21	
3-687-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-687-5	Residues	tcaggtgact tggggcgcca a	21
3-688	**Sequences**		
3-688-1	Sequence Number [ID]	688	
3-688-2	Molecule Type	RNA	
3-688-3	Length	21	
3-688-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-688-5	Residues	gtcaggtgac ttggggcgcc a	21
3-689	**Sequences**		
3-689-1	Sequence Number [ID]	689	
3-689-2	Molecule Type	RNA	
3-689-3	Length	21	
3-689-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-689-5	Residues	agtcaggtga cttggggcgc c	21
3-690	**Sequences**		
3-690-1	Sequence Number [ID]	690	
3-690-2	Molecule Type	RNA	
3-690-3	Length	21	
3-690-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-690-5	Residues	cagtcaggtg acttggggcg c	21
3-691	**Sequences**		
3-691-1	Sequence Number [ID]	691	
3-691-2	Molecule Type	RNA	

3-691-3	Length	21	
3-691-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-691-5	Residues	gcagtcaggt gacttggggc g	21
3-692	**Sequences**		
3-692-1	Sequence Number [ID]	692	
3-692-2	Molecule Type	RNA	
3-692-3	Length	21	
3-692-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-692-5	Residues	cgcagtcagg tgacttgggg c	21
3-693	**Sequences**		
3-693-1	Sequence Number [ID]	693	
3-693-2	Molecule Type	RNA	
3-693-3	Length	21	
3-693-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-693-5	Residues	gcgcagtcag gtgacttggg g	21
3-694	**Sequences**		
3-694-1	Sequence Number [ID]	694	
3-694-2	Molecule Type	RNA	
3-694-3	Length	21	
3-694-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-694-5	Residues	cgcgcagtca ggtgacttgg g	21
3-695	**Sequences**		
3-695-1	Sequence Number [ID]	695	
3-695-2	Molecule Type	RNA	
3-695-3	Length	21	
3-695-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-695-5	Residues	agggccggcg ctgattgacg g	21
3-696	**Sequences**		
3-696-1	Sequence Number [ID]	696	
3-696-2	Molecule Type	RNA	
3-696-3	Length	21	
3-696-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-696-5	Residues	cagggccggc gctgattgac g	21
3-697	**Sequences**		
3-697-1	Sequence Number [ID]	697	

3-697-2	Molecule Type	RNA	
3-697-3	Length	21	
3-697-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-697-5	Residues	acggttcact ctggagcgcg c	21
3-698	**Sequences**		
3-698-1	Sequence Number [ID]	698	
3-698-2	Molecule Type	RNA	
3-698-3	Length	21	
3-698-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-698-5	Residues	cacggttcac tctggagcgc g	21
3-699	**Sequences**		
3-699-1	Sequence Number [ID]	699	
3-699-2	Molecule Type	RNA	
3-699-3	Length	21	
3-699-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-699-5	Residues	gcacggttca ctctggagcg c	21
3-700	**Sequences**		
3-700-1	Sequence Number [ID]	700	
3-700-2	Molecule Type	RNA	
3-700-3	Length	21	
3-700-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-700-5	Residues	cgcacggttc actctggagc g	21
3-701	**Sequences**		
3-701-1	Sequence Number [ID]	701	
3-701-2	Molecule Type	RNA	
3-701-3	Length	21	
3-701-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-701-5	Residues	acgcacggtt cactctggag c	21
3-702	**Sequences**		
3-702-1	Sequence Number [ID]	702	
3-702-2	Molecule Type	RNA	
3-702-3	Length	21	
3-702-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-702-5	Residues	cacgcacggt tcactctgga g	21
3-703	**Sequences**		

3-703-1	Sequence Number [ID]	703	
3-703-2	Molecule Type	RNA	
3-703-3	Length	21	
3-703-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-703-5	Residues	gcacgcacgg ttcactctgg a	21
3-704	**Sequences**		
3-704-1	Sequence Number [ID]	704	
3-704-2	Molecule Type	RNA	
3-704-3	Length	21	
3-704-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-704-5	Residues	ggcacgcacg gttcactctg g	21
3-705	**Sequences**		
3-705-1	Sequence Number [ID]	705	
3-705-2	Molecule Type	RNA	
3-705-3	Length	21	
3-705-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-705-5	Residues	gttcggtctc cggactcccg g	21
3-706	**Sequences**		
3-706-1	Sequence Number [ID]	706	
3-706-2	Molecule Type	RNA	
3-706-3	Length	21	
3-706-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-706-5	Residues	ggttcggtct ccggactccc g	21
3-707	**Sequences**		
3-707-1	Sequence Number [ID]	707	
3-707-2	Molecule Type	RNA	
3-707-3	Length	21	
3-707-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-707-5	Residues	tggttcggtc tccggactcc c	21
3-708	**Sequences**		
3-708-1	Sequence Number [ID]	708	
3-708-2	Molecule Type	RNA	
3-708-3	Length	21	
3-708-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-708-5	Residues	ctggttcggt ctccggactc c	21

3-709	**Sequences**		
3-709-1	Sequence Number [ID]	709	
3-709-2	Molecule Type	RNA	
3-709-3	Length	21	
3-709-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-709-5	Residues	tctggttcgg tctccggact c	21
3-710	**Sequences**		
3-710-1	Sequence Number [ID]	710	
3-710-2	Molecule Type	RNA	
3-710-3	Length	21	
3-710-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-710-5	Residues	ttctggttcg gtctccggac t	21
3-711	**Sequences**		
3-711-1	Sequence Number [ID]	711	
3-711-2	Molecule Type	RNA	
3-711-3	Length	21	
3-711-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-711-5	Residues	attctggttc ggtctccgga c	21
3-712	**Sequences**		
3-712-1	Sequence Number [ID]	712	
3-712-2	Molecule Type	RNA	
3-712-3	Length	21	
3-712-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-712-5	Residues	cattctggtt cggtctccgg a	21
3-713	**Sequences**		
3-713-1	Sequence Number [ID]	713	
3-713-2	Molecule Type	RNA	
3-713-3	Length	21	
3-713-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-713-5	Residues	ccattctggt tcggtctccg g	21
3-714	**Sequences**		
3-714-1	Sequence Number [ID]	714	
3-714-2	Molecule Type	RNA	
3-714-3	Length	21	
3-714-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		

3-714-5	Residues	tccattctgg ttcggtctcc g	21
3-715	**Sequences**		
3-715-1	Sequence Number [ID]	715	
3-715-2	Molecule Type	RNA	
3-715-3	Length	21	
3-715-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-715-5	Residues	atccattctg gttcggtctc c	21
3-716	**Sequences**		
3-716-1	Sequence Number [ID]	716	
3-716-2	Molecule Type	RNA	
3-716-3	Length	21	
3-716-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-716-5	Residues	catccattct ggttcggtct c	21
3-717	**Sequences**		
3-717-1	Sequence Number [ID]	717	
3-717-2	Molecule Type	RNA	
3-717-3	Length	21	
3-717-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-717-5	Residues	gcatccattc tggttcggtc t	21
3-718	**Sequences**		
3-718-1	Sequence Number [ID]	718	
3-718-2	Molecule Type	RNA	
3-718-3	Length	21	
3-718-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-718-5	Residues	ggcatccatt ctggttcggt c	21
3-719	**Sequences**		
3-719-1	Sequence Number [ID]	719	
3-719-2	Molecule Type	RNA	
3-719-3	Length	21	
3-719-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-719-5	Residues	aggcatccat tctggttcgg t	21
3-720	**Sequences**		
3-720-1	Sequence Number [ID]	720	
3-720-2	Molecule Type	RNA	
3-720-3	Length	21	
3-720-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	

	NonEnglishQualifier Value		
3-720-5	Residues	gaggcatcca ttctggttcg g	21
3-721	**Sequences**		
3-721-1	Sequence Number [ID]	721	
3-721-2	Molecule Type	RNA	
3-721-3	Length	21	
3-721-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-721-5	Residues	cgaggcatcc attctggttc g	21
3-722	**Sequences**		
3-722-1	Sequence Number [ID]	722	
3-722-2	Molecule Type	RNA	
3-722-3	Length	21	
3-722-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-722-5	Residues	tcgaggcatc cattctggtt c	21
3-723	**Sequences**		
3-723-1	Sequence Number [ID]	723	
3-723-2	Molecule Type	RNA	
3-723-3	Length	21	
3-723-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-723-5	Residues	ctcgaggcat ccattctggt t	21
3-724	**Sequences**		
3-724-1	Sequence Number [ID]	724	
3-724-2	Molecule Type	RNA	
3-724-3	Length	21	
3-724-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-724-5	Residues	gctcgaggca tccattctgg t	21
3-725	**Sequences**		
3-725-1	Sequence Number [ID]	725	
3-725-2	Molecule Type	RNA	
3-725-3	Length	21	
3-725-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-725-5	Residues	tgctcgaggc atccattctg g	21
3-726	**Sequences**		
3-726-1	Sequence Number [ID]	726	
3-726-2	Molecule Type	RNA	
3-726-3	Length	21	
3-726-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	

		organism=synthetic construct	
	NonEnglishQualifier Value		
3-726-5	Residues	ctgctcgagg catccattct g	21
3-727	**Sequences**		
3-727-1	Sequence Number [ID]	727	
3-727-2	Molecule Type	RNA	
3-727-3	Length	21	
3-727-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-727-5	Residues	tctgctcgag gcatccattc t	21
3-728	**Sequences**		
3-728-1	Sequence Number [ID]	728	
3-728-2	Molecule Type	RNA	
3-728-3	Length	21	
3-728-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-728-5	Residues	gtctgctcga ggcatccatt c	21
3-729	**Sequences**		
3-729-1	Sequence Number [ID]	729	
3-729-2	Molecule Type	RNA	
3-729-3	Length	21	
3-729-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-729-5	Residues	tgtctgctcg aggcatccat t	21
3-730	**Sequences**		
3-730-1	Sequence Number [ID]	730	
3-730-2	Molecule Type	RNA	
3-730-3	Length	21	
3-730-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-730-5	Residues	gtgtctgctc gaggcatcca t	21
3-731	**Sequences**		
3-731-1	Sequence Number [ID]	731	
3-731-2	Molecule Type	RNA	
3-731-3	Length	21	
3-731-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-731-5	Residues	tgtgtctgct cgaggcatcc a	21
3-732	**Sequences**		
3-732-1	Sequence Number [ID]	732	
3-732-2	Molecule Type	RNA	
3-732-3	Length	21	
3-732-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	

		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-732-5	Residues	ttgtgtctgc tcgaggcatc c	21
3-733	**Sequences**		
3-733-1	Sequence Number [ID]	733	
3-733-2	Molecule Type	RNA	
3-733-3	Length	21	
3-733-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-733-5	Residues	attgtgtctg ctcgaggcat c	21
3-734	**Sequences**		
3-734-1	Sequence Number [ID]	734	
3-734-2	Molecule Type	RNA	
3-734-3	Length	21	
3-734-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-734-5	Residues	aattgtgtct gctcgaggca t	21
3-735	**Sequences**		
3-735-1	Sequence Number [ID]	735	
3-735-2	Molecule Type	RNA	
3-735-3	Length	21	
3-735-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-735-5	Residues	gaattgtgtc tgctcgaggc a	21
3-736	**Sequences**		
3-736-1	Sequence Number [ID]	736	
3-736-2	Molecule Type	RNA	
3-736-3	Length	21	
3-736-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-736-5	Residues	ggaattgtgt ctgctcgagg c	21
3-737	**Sequences**		
3-737-1	Sequence Number [ID]	737	
3-737-2	Molecule Type	RNA	
3-737-3	Length	21	
3-737-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-737-5	Residues	gggaattgtg tctgctcgag g	21
3-738	**Sequences**		
3-738-1	Sequence Number [ID]	738	
3-738-2	Molecule Type	RNA	
3-738-3	Length	21	
3-738-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	

		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-738-5	Residues	ggggaattgt gtctgctcga g	21
3-739	**Sequences**		
3-739-1	Sequence Number [ID]	739	
3-739-2	Molecule Type	RNA	
3-739-3	Length	21	
3-739-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-739-5	Residues	aggggaattg tgtctgctcg a	21
3-740	**Sequences**		
3-740-1	Sequence Number [ID]	740	
3-740-2	Molecule Type	RNA	
3-740-3	Length	21	
3-740-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-740-5	Residues	aaggggaatt gtgtctgctc g	21
3-741	**Sequences**		
3-741-1	Sequence Number [ID]	741	
3-741-2	Molecule Type	RNA	
3-741-3	Length	21	
3-741-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-741-5	Residues	taaggggaat tgtgtctgct c	21
3-742	**Sequences**		
3-742-1	Sequence Number [ID]	742	
3-742-2	Molecule Type	RNA	
3-742-3	Length	21	
3-742-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-742-5	Residues	ataaggggaa ttgtgtctgc t	21
3-743	**Sequences**		
3-743-1	Sequence Number [ID]	743	
3-743-2	Molecule Type	RNA	
3-743-3	Length	21	
3-743-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-743-5	Residues	aataagggga attgtgtctg c	21
3-744	**Sequences**		
3-744-1	Sequence Number [ID]	744	
3-744-2	Molecule Type	RNA	
3-744-3	Length	21	

3-744-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-744-5	Residues	gaataagggg aattgtgtct g	21
3-745	**Sequences**		
3-745-1	Sequence Number [ID]	745	
3-745-2	Molecule Type	RNA	
3-745-3	Length	21	
3-745-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-745-5	Residues	tgaataaggg gaattgtgtc t	21
3-746	**Sequences**		
3-746-1	Sequence Number [ID]	746	
3-746-2	Molecule Type	RNA	
3-746-3	Length	21	
3-746-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-746-5	Residues	ctgaataagg ggaattgtgt c	21
3-747	**Sequences**		
3-747-1	Sequence Number [ID]	747	
3-747-2	Molecule Type	RNA	
3-747-3	Length	21	
3-747-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-747-5	Residues	tctgaataag gggaattgtg t	21
3-748	**Sequences**		
3-748-1	Sequence Number [ID]	748	
3-748-2	Molecule Type	RNA	
3-748-3	Length	21	
3-748-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-748-5	Residues	atctgaataa ggggaattgt g	21
3-749	**Sequences**		
3-749-1	Sequence Number [ID]	749	
3-749-2	Molecule Type	RNA	
3-749-3	Length	21	
3-749-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-749-5	Residues	gataatctga ataaggggaa t	21
3-750	**Sequences**		
3-750-1	Sequence Number [ID]	750	
3-750-2	Molecule Type	RNA	

3-750-3	Length	21	
3-750-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-750-5	Residues	ggataatctg aataagggga a	21
3-751	**Sequences**		
3-751-1	Sequence Number [ID]	751	
3-751-2	Molecule Type	RNA	
3-751-3	Length	21	
3-751-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-751-5	Residues	cggataatct gaataagggg a	21
3-752	**Sequences**		
3-752-1	Sequence Number [ID]	752	
3-752-2	Molecule Type	RNA	
3-752-3	Length	21	
3-752-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-752-5	Residues	tcggataatc tgaataaggg g	21
3-753	**Sequences**		
3-753-1	Sequence Number [ID]	753	
3-753-2	Molecule Type	RNA	
3-753-3	Length	21	
3-753-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-753-5	Residues	cacattttcg gataatctga a	21
3-754	**Sequences**		
3-754-1	Sequence Number [ID]	754	
3-754-2	Molecule Type	RNA	
3-754-3	Length	21	
3-754-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-754-5	Residues	ctcacatttt cggataatct g	21
3-755	**Sequences**		
3-755-1	Sequence Number [ID]	755	
3-755-2	Molecule Type	RNA	
3-755-3	Length	21	
3-755-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-755-5	Residues	gactcacatt ttcggataat c	21
3-756	**Sequences**		
3-756-1	Sequence Number [ID]	756	

3-756-2	Molecule Type	RNA	
3-756-3	Length	21	
3-756-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-756-5	Residues	tgactcacat tttcggataa t	21
3-757	**Sequences**		
3-757-1	Sequence Number [ID]	757	
3-757-2	Molecule Type	RNA	
3-757-3	Length	21	
3-757-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-757-5	Residues	gtgactcaca ttttcggata a	21
3-758	**Sequences**		
3-758-1	Sequence Number [ID]	758	
3-758-2	Molecule Type	RNA	
3-758-3	Length	21	
3-758-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-758-5	Residues	cgtgactcac attttcggat a	21
3-759	**Sequences**		
3-759-1	Sequence Number [ID]	759	
3-759-2	Molecule Type	RNA	
3-759-3	Length	21	
3-759-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-759-5	Residues	acgtgactca cattttcgga t	21
3-760	**Sequences**		
3-760-1	Sequence Number [ID]	760	
3-760-2	Molecule Type	RNA	
3-760-3	Length	21	
3-760-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-760-5	Residues	gacgtgactc acattttcgg a	21
3-761	**Sequences**		
3-761-1	Sequence Number [ID]	761	
3-761-2	Molecule Type	RNA	
3-761-3	Length	21	
3-761-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-761-5	Residues	ggacgtgact cacattttcg g	21
3-762	**Sequences**		

3-762-1	Sequence Number [ID]	762	
3-762-2	Molecule Type	RNA	
3-762-3	Length	21	
3-762-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-762-5	Residues	gggacgtgac tcacattttc g	21
3-763	**Sequences**		
3-763-1	Sequence Number [ID]	763	
3-763-2	Molecule Type	RNA	
3-763-3	Length	21	
3-763-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-763-5	Residues	ggggacgtga ctcacatttt c	21
3-764	**Sequences**		
3-764-1	Sequence Number [ID]	764	
3-764-2	Molecule Type	RNA	
3-764-3	Length	21	
3-764-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-764-5	Residues	aggggacgtg actcacattt t	21
3-765	**Sequences**		
3-765-1	Sequence Number [ID]	765	
3-765-2	Molecule Type	RNA	
3-765-3	Length	21	
3-765-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-765-5	Residues	aaggggacgt gactcacatt t	21
3-766	**Sequences**		
3-766-1	Sequence Number [ID]	766	
3-766-2	Molecule Type	RNA	
3-766-3	Length	21	
3-766-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-766-5	Residues	taaggggacg tgactcacat t	21
3-767	**Sequences**		
3-767-1	Sequence Number [ID]	767	
3-767-2	Molecule Type	RNA	
3-767-3	Length	21	
3-767-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-767-5	Residues	ctaaggggac gtgactcaca t	21

3-768	**Sequences**		
3-768-1	Sequence Number [ID]	768	
3-768-2	Molecule Type	RNA	
3-768-3	Length	21	
3-768-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-768-5	Residues	`cctaagggga cgtgactcac a`	21
3-769	**Sequences**		
3-769-1	Sequence Number [ID]	769	
3-769-2	Molecule Type	RNA	
3-769-3	Length	21	
3-769-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-769-5	Residues	`gcctaagggg acgtgactca c`	21
3-770	**Sequences**		
3-770-1	Sequence Number [ID]	770	
3-770-2	Molecule Type	RNA	
3-770-3	Length	21	
3-770-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-770-5	Residues	`tgcctaaggg gacgtgactc a`	21
3-771	**Sequences**		
3-771-1	Sequence Number [ID]	771	
3-771-2	Molecule Type	RNA	
3-771-3	Length	21	
3-771-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-771-5	Residues	`ttgcctaagg ggacgtgact c`	21
3-772	**Sequences**		
3-772-1	Sequence Number [ID]	772	
3-772-2	Molecule Type	RNA	
3-772-3	Length	21	
3-772-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-772-5	Residues	`tttgcctaag gggacgtgac t`	21
3-773	**Sequences**		
3-773-1	Sequence Number [ID]	773	
3-773-2	Molecule Type	RNA	
3-773-3	Length	21	
3-773-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		

3-773-5	Residues	ttttgcctaa ggggacgtga c	21
3-774	**Sequences**		
3-774-1	Sequence Number [ID]	774	
3-774-2	Molecule Type	RNA	
3-774-3	Length	21	
3-774-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-774-5	Residues	gttttgccta aggggacgtg a	21
3-775	**Sequences**		
3-775-1	Sequence Number [ID]	775	
3-775-2	Molecule Type	RNA	
3-775-3	Length	21	
3-775-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-775-5	Residues	tgttttgcct aaggggacgt g	21
3-776	**Sequences**		
3-776-1	Sequence Number [ID]	776	
3-776-2	Molecule Type	RNA	
3-776-3	Length	21	
3-776-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-776-5	Residues	ctgttttgcc taaggggacg t	21
3-777	**Sequences**		
3-777-1	Sequence Number [ID]	777	
3-777-2	Molecule Type	RNA	
3-777-3	Length	21	
3-777-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-777-5	Residues	cctgttttgc ctaaggggac g	21
3-778	**Sequences**		
3-778-1	Sequence Number [ID]	778	
3-778-2	Molecule Type	RNA	
3-778-3	Length	21	
3-778-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-778-5	Residues	acctgttttg cctaagggga c	21
3-779	**Sequences**		
3-779-1	Sequence Number [ID]	779	
3-779-2	Molecule Type	RNA	
3-779-3	Length	21	
3-779-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	

	NonEnglishQualifier Value		
3-779-5	Residues	gacctgtttt gcctaagggg a	21
3-780	**Sequences**		
3-780-1	Sequence Number [ID]	780	
3-780-2	Molecule Type	RNA	
3-780-3	Length	21	
3-780-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-780-5	Residues	agacctgttt tgcctaaggg g	21
3-781	**Sequences**		
3-781-1	Sequence Number [ID]	781	
3-781-2	Molecule Type	RNA	
3-781-3	Length	21	
3-781-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-781-5	Residues	gagacctgtt ttgcctaagg g	21
3-782	**Sequences**		
3-782-1	Sequence Number [ID]	782	
3-782-2	Molecule Type	RNA	
3-782-3	Length	21	
3-782-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-782-5	Residues	agagacctgt tttgcctaag g	21
3-783	**Sequences**		
3-783-1	Sequence Number [ID]	783	
3-783-2	Molecule Type	RNA	
3-783-3	Length	21	
3-783-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-783-5	Residues	tagagacctg ttttgcctaa g	21
3-784	**Sequences**		
3-784-1	Sequence Number [ID]	784	
3-784-2	Molecule Type	RNA	
3-784-3	Length	21	
3-784-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-784-5	Residues	ctagagacct gttttgccta a	21
3-785	**Sequences**		
3-785-1	Sequence Number [ID]	785	
3-785-2	Molecule Type	RNA	
3-785-3	Length	21	
3-785-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	

		organism=synthetic construct	
	NonEnglishQualifier Value		
3-785-5	Residues	actagagacc tgttttgcct a	21
3-786	**Sequences**		
3-786-1	Sequence Number [ID]	786	
3-786-2	Molecule Type	RNA	
3-786-3	Length	21	
3-786-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-786-5	Residues	aactagagac ctgttttgcc t	21
3-787	**Sequences**		
3-787-1	Sequence Number [ID]	787	
3-787-2	Molecule Type	RNA	
3-787-3	Length	21	
3-787-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-787-5	Residues	taactagaga cctgttttgc c	21
3-788	**Sequences**		
3-788-1	Sequence Number [ID]	788	
3-788-2	Molecule Type	RNA	
3-788-3	Length	21	
3-788-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-788-5	Residues	ctaactagag acctgttttg c	21
3-789	**Sequences**		
3-789-1	Sequence Number [ID]	789	
3-789-2	Molecule Type	RNA	
3-789-3	Length	21	
3-789-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-789-5	Residues	cctaactaga gacctgtttt g	21
3-790	**Sequences**		
3-790-1	Sequence Number [ID]	790	
3-790-2	Molecule Type	RNA	
3-790-3	Length	21	
3-790-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-790-5	Residues	ccctaactag agacctgttt t	21
3-791	**Sequences**		
3-791-1	Sequence Number [ID]	791	
3-791-2	Molecule Type	RNA	
3-791-3	Length	21	
3-791-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	

		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-791-5	Residues	accctaacta gagacctgtt t	21
3-792	**Sequences**		
3-792-1	Sequence Number [ID]	792	
3-792-2	Molecule Type	RNA	
3-792-3	Length	21	
3-792-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-792-5	Residues	caccctaact agagacctgt t	21
3-793	**Sequences**		
3-793-1	Sequence Number [ID]	793	
3-793-2	Molecule Type	RNA	
3-793-3	Length	21	
3-793-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-793-5	Residues	tcaccctaac tagagacctg t	21
3-794	**Sequences**		
3-794-1	Sequence Number [ID]	794	
3-794-2	Molecule Type	RNA	
3-794-3	Length	21	
3-794-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-794-5	Residues	atcaccctaa ctagagacct g	21
3-795	**Sequences**		
3-795-1	Sequence Number [ID]	795	
3-795-2	Molecule Type	RNA	
3-795-3	Length	21	
3-795-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-795-5	Residues	tatcacccta actagagacc t	21
3-796	**Sequences**		
3-796-1	Sequence Number [ID]	796	
3-796-2	Molecule Type	RNA	
3-796-3	Length	21	
3-796-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-796-5	Residues	atatcaccct aactagagac c	21
3-797	**Sequences**		
3-797-1	Sequence Number [ID]	797	
3-797-2	Molecule Type	RNA	
3-797-3	Length	21	
3-797-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	

		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-797-5	Residues	aatatcaccc taactagaga c	21
3-798	**Sequences**		
3-798-1	Sequence Number [ID]	798	
3-798-2	Molecule Type	DNA	
3-798-3	Length	21	
3-798-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=RNA at (1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19)	
		misc_feature 20..21	
		note=DNA at (20,21)	
		misc_feature 1..21	
		note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-798-5	Residues	ggttgctgat gtccttagat t	21
3-799	**Sequences**		
3-799-1	Sequence Number [ID]	799	
3-799-2	Molecule Type	DNA	
3-799-3	Length	21	
3-799-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=RNA at (1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19)	
		misc_feature 20..21	
		note=DNA at (20,21)	
		misc_feature 1..21	
		note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-799-5	Residues	actactgagt gacagtagat t	21
3-800	**Sequences**		
3-800-1	Sequence Number [ID]	800	
3-800-2	Molecule Type	RNA	
3-800-3	Length	21	
3-800-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-800-5	Residues	ggagaagcag acacgaaccg a	21
3-801	**Sequences**		
3-801-1	Sequence Number [ID]	801	
3-801-2	Molecule Type	RNA	
3-801-3	Length	21	
3-801-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-801-5	Residues	gagaagcaga cacgaaccga a	21
3-802	**Sequences**		
3-802-1	Sequence Number [ID]	802	
3-802-2	Molecule Type	RNA	
3-802-3	Length	21	
3-802-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	

		organism=synthetic construct	
	NonEnglishQualifier Value		
3-802-5	Residues	agaagcagac acgaaccgaa a	21
3-803	**Sequences**		
3-803-1	Sequence Number [ID]	803	
3-803-2	Molecule Type	RNA	
3-803-3	Length	21	
3-803-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-803-5	Residues	gaagcagaca cgaaccgaaa t	21
3-804	**Sequences**		
3-804-1	Sequence Number [ID]	804	
3-804-2	Molecule Type	RNA	
3-804-3	Length	21	
3-804-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-804-5	Residues	aagcagacac gaaccgaaat t	21
3-805	**Sequences**		
3-805-1	Sequence Number [ID]	805	
3-805-2	Molecule Type	RNA	
3-805-3	Length	21	
3-805-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-805-5	Residues	agcagacacg aaccgaaatt t	21
3-806	**Sequences**		
3-806-1	Sequence Number [ID]	806	
3-806-2	Molecule Type	RNA	
3-806-3	Length	21	
3-806-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-806-5	Residues	gcagacacga accgaaattt t	21
3-807	**Sequences**		
3-807-1	Sequence Number [ID]	807	
3-807-2	Molecule Type	RNA	
3-807-3	Length	21	
3-807-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-807-5	Residues	cagacacgaa ccgaaatttt a	21
3-808	**Sequences**		
3-808-1	Sequence Number [ID]	808	
3-808-2	Molecule Type	RNA	
3-808-3	Length	21	
3-808-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	

		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-808-5	Residues	agacacgaac cgaaatttta a	21
3-809	**Sequences**		
3-809-1	Sequence Number [ID]	809	
3-809-2	Molecule Type	RNA	
3-809-3	Length	21	
3-809-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-809-5	Residues	gacacgaacc gaaattttaa a	21
3-810	**Sequences**		
3-810-1	Sequence Number [ID]	810	
3-810-2	Molecule Type	RNA	
3-810-3	Length	21	
3-810-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-810-5	Residues	agaaagagaa attgacaccc g	21
3-811	**Sequences**		
3-811-1	Sequence Number [ID]	811	
3-811-2	Molecule Type	RNA	
3-811-3	Length	21	
3-811-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-811-5	Residues	gaaagagaaa ttgacacccg a	21
3-812	**Sequences**		
3-812-1	Sequence Number [ID]	812	
3-812-2	Molecule Type	RNA	
3-812-3	Length	21	
3-812-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-812-5	Residues	aaagagaaat tgacacccga c	21
3-813	**Sequences**		
3-813-1	Sequence Number [ID]	813	
3-813-2	Molecule Type	RNA	
3-813-3	Length	21	
3-813-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-813-5	Residues	aagagaaatt gacacccgac t	21
3-814	**Sequences**		
3-814-1	Sequence Number [ID]	814	
3-814-2	Molecule Type	RNA	
3-814-3	Length	21	
3-814-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	

		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-814-5	Residues	agagaaattg acacccgact g	21
3-815	**Sequences**		
3-815-1	Sequence Number [ID]	815	
3-815-2	Molecule Type	RNA	
3-815-3	Length	21	
3-815-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-815-5	Residues	gagaaattga cacccgactg a	21
3-816	**Sequences**		
3-816-1	Sequence Number [ID]	816	
3-816-2	Molecule Type	RNA	
3-816-3	Length	21	
3-816-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-816-5	Residues	agaaattgac acccgactga a	21
3-817	**Sequences**		
3-817-1	Sequence Number [ID]	817	
3-817-2	Molecule Type	RNA	
3-817-3	Length	21	
3-817-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-817-5	Residues	gaaattgaca cccgactgaa a	21
3-818	**Sequences**		
3-818-1	Sequence Number [ID]	818	
3-818-2	Molecule Type	RNA	
3-818-3	Length	21	
3-818-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-818-5	Residues	aaattgacac ccgactgaaa a	21
3-819	**Sequences**		
3-819-1	Sequence Number [ID]	819	
3-819-2	Molecule Type	RNA	
3-819-3	Length	21	
3-819-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-819-5	Residues	aattgacacc cgactgaaaa c	21
3-820	**Sequences**		
3-820-1	Sequence Number [ID]	820	
3-820-2	Molecule Type	RNA	
3-820-3	Length	21	

3-820-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-820-5	Residues	attgacaccc gactgaaaac g	21
3-821	**Sequences**		
3-821-1	Sequence Number [ID]	821	
3-821-2	Molecule Type	RNA	
3-821-3	Length	21	
3-821-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-821-5	Residues	ttgacacccg actgaaaacg c	21
3-822	**Sequences**		
3-822-1	Sequence Number [ID]	822	
3-822-2	Molecule Type	RNA	
3-822-3	Length	21	
3-822-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-822-5	Residues	tgacacccga ctgaaaacgc c	21
3-823	**Sequences**		
3-823-1	Sequence Number [ID]	823	
3-823-2	Molecule Type	RNA	
3-823-3	Length	21	
3-823-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-823-5	Residues	gacacccgac tgaaaacgcc c	21
3-824	**Sequences**		
3-824-1	Sequence Number [ID]	824	
3-824-2	Molecule Type	RNA	
3-824-3	Length	21	
3-824-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-824-5	Residues	acacccgact gaaaacgccc c	21
3-825	**Sequences**		
3-825-1	Sequence Number [ID]	825	
3-825-2	Molecule Type	RNA	
3-825-3	Length	21	
3-825-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-825-5	Residues	cacccgactg aaaacgcccc t	21
3-826	**Sequences**		
3-826-1	Sequence Number [ID]	826	
3-826-2	Molecule Type	RNA	

3-826-3	Length	21	
3-826-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-826-5	Residues	acccgactga aaacgcccct t	21
3-827	**Sequences**		
3-827-1	Sequence Number [ID]	827	
3-827-2	Molecule Type	RNA	
3-827-3	Length	21	
3-827-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-827-5	Residues	cccgactgaa aacgcccctt a	21
3-828	**Sequences**		
3-828-1	Sequence Number [ID]	828	
3-828-2	Molecule Type	RNA	
3-828-3	Length	21	
3-828-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-828-5	Residues	ccgactgaaa acgcccctta c	21
3-829	**Sequences**		
3-829-1	Sequence Number [ID]	829	
3-829-2	Molecule Type	RNA	
3-829-3	Length	21	
3-829-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-829-5	Residues	cgactgaaaa cgccccttac t	21
3-830	**Sequences**		
3-830-1	Sequence Number [ID]	830	
3-830-2	Molecule Type	RNA	
3-830-3	Length	21	
3-830-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-830-5	Residues	gactgaaaac gccccttact t	21
3-831	**Sequences**		
3-831-1	Sequence Number [ID]	831	
3-831-2	Molecule Type	RNA	
3-831-3	Length	21	
3-831-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-831-5	Residues	actgaaaacg ccccttactt g	21
3-832	**Sequences**		
3-832-1	Sequence Number [ID]	832	

3-832-2	Molecule Type	RNA	
3-832-3	Length	21	
3-832-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-832-5	Residues	ctgaaaacgc cccttacttg t	21
3-833	**Sequences**		
3-833-1	Sequence Number [ID]	833	
3-833-2	Molecule Type	RNA	
3-833-3	Length	21	
3-833-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-833-5	Residues	tgaaaacgcc ccttacttgt g	21
3-834	**Sequences**		
3-834-1	Sequence Number [ID]	834	
3-834-2	Molecule Type	RNA	
3-834-3	Length	21	
3-834-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-834-5	Residues	gaaaacgccc cttacttgtg c	21
3-835	**Sequences**		
3-835-1	Sequence Number [ID]	835	
3-835-2	Molecule Type	RNA	
3-835-3	Length	21	
3-835-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-835-5	Residues	aaaacgcccc ttacttgtgc a	21
3-836	**Sequences**		
3-836-1	Sequence Number [ID]	836	
3-836-2	Molecule Type	RNA	
3-836-3	Length	21	
3-836-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-836-5	Residues	aaacgcccct tacttgtgca a	21
3-837	**Sequences**		
3-837-1	Sequence Number [ID]	837	
3-837-2	Molecule Type	RNA	
3-837-3	Length	21	
3-837-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-837-5	Residues	aacgcccctt acttgtgcaa t	21
3-838	**Sequences**		

3-838-1	Sequence Number [ID]	838	
3-838-2	Molecule Type	RNA	
3-838-3	Length	21	
3-838-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-838-5	Residues	acgcccctta cttgtgcaat c	21
3-839	**Sequences**		
3-839-1	Sequence Number [ID]	839	
3-839-2	Molecule Type	RNA	
3-839-3	Length	21	
3-839-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-839-5	Residues	cgcccttac ttgtgcaatc t	21
3-840	**Sequences**		
3-840-1	Sequence Number [ID]	840	
3-840-2	Molecule Type	RNA	
3-840-3	Length	21	
3-840-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-840-5	Residues	gcccttact tgtgcaatct t	21
3-841	**Sequences**		
3-841-1	Sequence Number [ID]	841	
3-841-2	Molecule Type	RNA	
3-841-3	Length	21	
3-841-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-841-5	Residues	ccccttactt gtgcaatctt c	21
3-842	**Sequences**		
3-842-1	Sequence Number [ID]	842	
3-842-2	Molecule Type	RNA	
3-842-3	Length	21	
3-842-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-842-5	Residues	cccttacttg tgcaatcttc c	21
3-843	**Sequences**		
3-843-1	Sequence Number [ID]	843	
3-843-2	Molecule Type	RNA	
3-843-3	Length	21	
3-843-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-843-5	Residues	ccttacttgt gcaatcttcc t	21

3-844	**Sequences**		
3-844-1	Sequence Number [ID]	844	
3-844-2	Molecule Type	RNA	
3-844-3	Length	21	
3-844-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-844-5	Residues	`cttacttgtg caatcttcct g`	21
3-845	**Sequences**		
3-845-1	Sequence Number [ID]	845	
3-845-2	Molecule Type	RNA	
3-845-3	Length	21	
3-845-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-845-5	Residues	`ttacttgtgc aatcttcctg c`	21
3-846	**Sequences**		
3-846-1	Sequence Number [ID]	846	
3-846-2	Molecule Type	RNA	
3-846-3	Length	21	
3-846-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-846-5	Residues	`tacttgtgca atcttcctgc c`	21
3-847	**Sequences**		
3-847-1	Sequence Number [ID]	847	
3-847-2	Molecule Type	RNA	
3-847-3	Length	21	
3-847-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-847-5	Residues	`acttgtgcaa tcttcctgcc t`	21
3-848	**Sequences**		
3-848-1	Sequence Number [ID]	848	
3-848-2	Molecule Type	RNA	
3-848-3	Length	21	
3-848-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-848-5	Residues	`cttgtgcaat cttcctgcct g`	21
3-849	**Sequences**		
3-849-1	Sequence Number [ID]	849	
3-849-2	Molecule Type	RNA	
3-849-3	Length	21	
3-849-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		

3-849-5	Residues	ttgtgcaatc ttcctgcctg g	21
3-850	**Sequences**		
3-850-1	Sequence Number [ID]	850	
3-850-2	Molecule Type	RNA	
3-850-3	Length	21	
3-850-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-850-5	Residues	tgtgcaatct tcctgcctgg t	21
3-851	**Sequences**		
3-851-1	Sequence Number [ID]	851	
3-851-2	Molecule Type	RNA	
3-851-3	Length	21	
3-851-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-851-5	Residues	gtgcaatctt cctgcctggt a	21
3-852	**Sequences**		
3-852-1	Sequence Number [ID]	852	
3-852-2	Molecule Type	RNA	
3-852-3	Length	21	
3-852-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-852-5	Residues	tgcaatcttc ctgcctggta g	21
3-853	**Sequences**		
3-853-1	Sequence Number [ID]	853	
3-853-2	Molecule Type	RNA	
3-853-3	Length	21	
3-853-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-853-5	Residues	gcaatcttcc tgcctggtag t	21
3-854	**Sequences**		
3-854-1	Sequence Number [ID]	854	
3-854-2	Molecule Type	RNA	
3-854-3	Length	21	
3-854-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-854-5	Residues	caatcttcct gcctggtagt t	21
3-855	**Sequences**		
3-855-1	Sequence Number [ID]	855	
3-855-2	Molecule Type	RNA	
3-855-3	Length	21	
3-855-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	

	NonEnglishQualifier Value		
3-855-5	Residues	aatcttcctg cctggtagtt c	21
3-856	**Sequences**		
3-856-1	Sequence Number [ID]	856	
3-856-2	Molecule Type	RNA	
3-856-3	Length	21	
3-856-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-856-5	Residues	atcttcctgc ctggtagttc c	21
3-857	**Sequences**		
3-857-1	Sequence Number [ID]	857	
3-857-2	Molecule Type	RNA	
3-857-3	Length	21	
3-857-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-857-5	Residues	tcttcctgcc tggtagttcc g	21
3-858	**Sequences**		
3-858-1	Sequence Number [ID]	858	
3-858-2	Molecule Type	RNA	
3-858-3	Length	21	
3-858-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-858-5	Residues	cttcctgcct ggtagttccg c	21
3-859	**Sequences**		
3-859-1	Sequence Number [ID]	859	
3-859-2	Molecule Type	RNA	
3-859-3	Length	21	
3-859-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-859-5	Residues	ttcctgcctg gtagttccgc c	21
3-860	**Sequences**		
3-860-1	Sequence Number [ID]	860	
3-860-2	Molecule Type	RNA	
3-860-3	Length	21	
3-860-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-860-5	Residues	tcctgcctgg tagttccgcc a	21
3-861	**Sequences**		
3-861-1	Sequence Number [ID]	861	
3-861-2	Molecule Type	RNA	
3-861-3	Length	21	
3-861-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	

		organism=synthetic construct	
	NonEnglishQualifier Value		
3-861-5	Residues	cctgcctggt agttccgcca a	21
3-862	**Sequences**		
3-862-1	Sequence Number [ID]	862	
3-862-2	Molecule Type	RNA	
3-862-3	Length	21	
3-862-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-862-5	Residues	ctgcctggta gttccgccaa a	21
3-863	**Sequences**		
3-863-1	Sequence Number [ID]	863	
3-863-2	Molecule Type	RNA	
3-863-3	Length	21	
3-863-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-863-5	Residues	tgcctggtag ttccgccaaa a	21
3-864	**Sequences**		
3-864-1	Sequence Number [ID]	864	
3-864-2	Molecule Type	RNA	
3-864-3	Length	21	
3-864-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-864-5	Residues	gcctggtagt tccgccaaaa a	21
3-865	**Sequences**		
3-865-1	Sequence Number [ID]	865	
3-865-2	Molecule Type	RNA	
3-865-3	Length	21	
3-865-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-865-5	Residues	cctggtagtt ccgccaaaaa c	21
3-866	**Sequences**		
3-866-1	Sequence Number [ID]	866	
3-866-2	Molecule Type	RNA	
3-866-3	Length	21	
3-866-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-866-5	Residues	aaacaaaaca gtcaaagcgc a	21
3-867	**Sequences**		
3-867-1	Sequence Number [ID]	867	
3-867-2	Molecule Type	RNA	
3-867-3	Length	21	
3-867-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	

		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-867-5	Residues	aacaaaacag tcaaagcgca a	21
3-868	**Sequences**		
3-868-1	Sequence Number [ID]	868	
3-868-2	Molecule Type	RNA	
3-868-3	Length	21	
3-868-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-868-5	Residues	acaaaacagt caaagcgcaa a	21
3-869	**Sequences**		
3-869-1	Sequence Number [ID]	869	
3-869-2	Molecule Type	RNA	
3-869-3	Length	21	
3-869-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-869-5	Residues	caaaacagtc aaagcgcaaa c	21
3-870	**Sequences**		
3-870-1	Sequence Number [ID]	870	
3-870-2	Molecule Type	RNA	
3-870-3	Length	21	
3-870-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-870-5	Residues	aaaacagtca aagcgcaaac c	21
3-871	**Sequences**		
3-871-1	Sequence Number [ID]	871	
3-871-2	Molecule Type	RNA	
3-871-3	Length	21	
3-871-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-871-5	Residues	aaacagtcaa agcgcaaacc t	21
3-872	**Sequences**		
3-872-1	Sequence Number [ID]	872	
3-872-2	Molecule Type	RNA	
3-872-3	Length	21	
3-872-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-872-5	Residues	aacagtcaaa gcgcaaacct g	21
3-873	**Sequences**		
3-873-1	Sequence Number [ID]	873	
3-873-2	Molecule Type	RNA	
3-873-3	Length	21	
3-873-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	

		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-873-5	Residues	acagtcaaag cgcaaacctg g	21
3-874	**Sequences**		
3-874-1	Sequence Number [ID]	874	
3-874-2	Molecule Type	RNA	
3-874-3	Length	21	
3-874-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-874-5	Residues	cagtcaaagc gcaaacctgg a	21
3-875	**Sequences**		
3-875-1	Sequence Number [ID]	875	
3-875-2	Molecule Type	RNA	
3-875-3	Length	21	
3-875-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-875-5	Residues	agtcaaagcg caaacctgga a	21
3-876	**Sequences**		
3-876-1	Sequence Number [ID]	876	
3-876-2	Molecule Type	RNA	
3-876-3	Length	21	
3-876-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-876-5	Residues	gtcaaagcgc aaacctggaa g	21
3-877	**Sequences**		
3-877-1	Sequence Number [ID]	877	
3-877-2	Molecule Type	RNA	
3-877-3	Length	21	
3-877-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-877-5	Residues	tcaaagcgca aacctggaag g	21
3-878	**Sequences**		
3-878-1	Sequence Number [ID]	878	
3-878-2	Molecule Type	RNA	
3-878-3	Length	21	
3-878-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-878-5	Residues	caaagcgcaa acctggaagg g	21
3-879	**Sequences**		
3-879-1	Sequence Number [ID]	879	
3-879-2	Molecule Type	RNA	
3-879-3	Length	21	

3-879-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-879-5	Residues	aaagcgcaaa cctggaaggg g	21
3-880	**Sequences**		
3-880-1	Sequence Number [ID]	880	
3-880-2	Molecule Type	RNA	
3-880-3	Length	21	
3-880-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-880-5	Residues	aagcgcaaac ctggaagggg c	21
3-881	**Sequences**		
3-881-1	Sequence Number [ID]	881	
3-881-2	Molecule Type	RNA	
3-881-3	Length	21	
3-881-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-881-5	Residues	agcgcaaacc tggaaggggc g	21
3-882	**Sequences**		
3-882-1	Sequence Number [ID]	882	
3-882-2	Molecule Type	RNA	
3-882-3	Length	21	
3-882-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-882-5	Residues	gcgcaaacct ggaaggggcg c	21
3-883	**Sequences**		
3-883-1	Sequence Number [ID]	883	
3-883-2	Molecule Type	RNA	
3-883-3	Length	21	
3-883-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-883-5	Residues	cgcaaacctg gaaggggcgc g	21
3-884	**Sequences**		
3-884-1	Sequence Number [ID]	884	
3-884-2	Molecule Type	RNA	
3-884-3	Length	21	
3-884-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-884-5	Residues	gcaaacctgg aaggggcgcg c	21
3-885	**Sequences**		
3-885-1	Sequence Number [ID]	885	
3-885-2	Molecule Type	RNA	

3-885-3	Length	21	
3-885-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-885-5	Residues	caaacctgga aggggcgcgc a	21
3-886	**Sequences**		
3-886-1	Sequence Number [ID]	886	
3-886-2	Molecule Type	RNA	
3-886-3	Length	21	
3-886-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-886-5	Residues	cgcgcaggca ccaactttgc c	21
3-887	**Sequences**		
3-887-1	Sequence Number [ID]	887	
3-887-2	Molecule Type	RNA	
3-887-3	Length	21	
3-887-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-887-5	Residues	gcgcaggcac caactttgcc a	21
3-888	**Sequences**		
3-888-1	Sequence Number [ID]	888	
3-888-2	Molecule Type	RNA	
3-888-3	Length	21	
3-888-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-888-5	Residues	cgcaggcacc aactttgcca a	21
3-889	**Sequences**		
3-889-1	Sequence Number [ID]	889	
3-889-2	Molecule Type	RNA	
3-889-3	Length	21	
3-889-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-889-5	Residues	gcaggcacca actttgccaa a	21
3-890	**Sequences**		
3-890-1	Sequence Number [ID]	890	
3-890-2	Molecule Type	RNA	
3-890-3	Length	21	
3-890-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-890-5	Residues	caggcaccaa ctttgccaaa c	21
3-891	**Sequences**		
3-891-1	Sequence Number [ID]	891	

3-891-2	Molecule Type	RNA	
3-891-3	Length	21	
3-891-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-891-5	Residues	aggcaccaac tttgccaaac g	21
3-892	**Sequences**		
3-892-1	Sequence Number [ID]	892	
3-892-2	Molecule Type	RNA	
3-892-3	Length	21	
3-892-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-892-5	Residues	ggcaccaact ttgccaaacg c	21
3-893	**Sequences**		
3-893-1	Sequence Number [ID]	893	
3-893-2	Molecule Type	RNA	
3-893-3	Length	21	
3-893-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-893-5	Residues	gcaccaactt tgccaaacgc t	21
3-894	**Sequences**		
3-894-1	Sequence Number [ID]	894	
3-894-2	Molecule Type	RNA	
3-894-3	Length	21	
3-894-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-894-5	Residues	caccaacttt gccaaacgct a	21
3-895	**Sequences**		
3-895-1	Sequence Number [ID]	895	
3-895-2	Molecule Type	RNA	
3-895-3	Length	21	
3-895-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-895-5	Residues	accaactttg ccaaacgcta c	21
3-896	**Sequences**		
3-896-1	Sequence Number [ID]	896	
3-896-2	Molecule Type	RNA	
3-896-3	Length	21	
3-896-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-896-5	Residues	ccaactttgc caaacgctac a	21
3-897	**Sequences**		

3-897-1	Sequence Number [ID]	897	
3-897-2	Molecule Type	RNA	
3-897-3	Length	21	
3-897-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-897-5	Residues	caactttgcc aaacgctaca g	21
3-898	**Sequences**		
3-898-1	Sequence Number [ID]	898	
3-898-2	Molecule Type	RNA	
3-898-3	Length	21	
3-898-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-898-5	Residues	aactttgcca aacgctacag a	21
3-899	**Sequences**		
3-899-1	Sequence Number [ID]	899	
3-899-2	Molecule Type	RNA	
3-899-3	Length	21	
3-899-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-899-5	Residues	actttgccaa acgctacaga g	21
3-900	**Sequences**		
3-900-1	Sequence Number [ID]	900	
3-900-2	Molecule Type	RNA	
3-900-3	Length	21	
3-900-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-900-5	Residues	ctttgccaaa cgctacagag t	21
3-901	**Sequences**		
3-901-1	Sequence Number [ID]	901	
3-901-2	Molecule Type	RNA	
3-901-3	Length	21	
3-901-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-901-5	Residues	tttgccaaac gctacagagt t	21
3-902	**Sequences**		
3-902-1	Sequence Number [ID]	902	
3-902-2	Molecule Type	RNA	
3-902-3	Length	21	
3-902-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-902-5	Residues	ttgccaaacg ctacagagtt t	21

3-903	**Sequences**		
3-903-1	Sequence Number [ID]	903	
3-903-2	Molecule Type	RNA	
3-903-3	Length	21	
3-903-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-903-5	Residues	tgccaaacgc tacagagttt t	21
3-904	**Sequences**		
3-904-1	Sequence Number [ID]	904	
3-904-2	Molecule Type	RNA	
3-904-3	Length	21	
3-904-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-904-5	Residues	gccaaacgct acagagtttt c	21
3-905	**Sequences**		
3-905-1	Sequence Number [ID]	905	
3-905-2	Molecule Type	RNA	
3-905-3	Length	21	
3-905-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-905-5	Residues	ccaaacgcta cagagttttc c	21
3-906	**Sequences**		
3-906-1	Sequence Number [ID]	906	
3-906-2	Molecule Type	RNA	
3-906-3	Length	21	
3-906-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-906-5	Residues	caaacgctac agagttttcc g	21
3-907	**Sequences**		
3-907-1	Sequence Number [ID]	907	
3-907-2	Molecule Type	RNA	
3-907-3	Length	21	
3-907-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-907-5	Residues	aaacgctaca gagttttccg t	21
3-908	**Sequences**		
3-908-1	Sequence Number [ID]	908	
3-908-2	Molecule Type	RNA	
3-908-3	Length	21	
3-908-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		

3-908-5	Residues	aacgctacag agttttccgt t	21
3-909	**Sequences**		
3-909-1	Sequence Number [ID]	909	
3-909-2	Molecule Type	RNA	
3-909-3	Length	21	
3-909-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-909-5	Residues	acgctacaga gttttccgtt t	21
3-910	**Sequences**		
3-910-1	Sequence Number [ID]	910	
3-910-2	Molecule Type	RNA	
3-910-3	Length	21	
3-910-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-910-5	Residues	cgctacagag ttttccgttt g	21
3-911	**Sequences**		
3-911-1	Sequence Number [ID]	911	
3-911-2	Molecule Type	RNA	
3-911-3	Length	21	
3-911-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-911-5	Residues	gctacagagt tttccgtttg c	21
3-912	**Sequences**		
3-912-1	Sequence Number [ID]	912	
3-912-2	Molecule Type	RNA	
3-912-3	Length	21	
3-912-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-912-5	Residues	ctacagagtt ttccgtttgc a	21
3-913	**Sequences**		
3-913-1	Sequence Number [ID]	913	
3-913-2	Molecule Type	RNA	
3-913-3	Length	21	
3-913-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-913-5	Residues	tacagagttt tccgtttgca g	21
3-914	**Sequences**		
3-914-1	Sequence Number [ID]	914	
3-914-2	Molecule Type	RNA	
3-914-3	Length	21	
3-914-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	

	NonEnglishQualifier Value		
3-914-5	Residues	acagagtttt ccgtttgcag a	21
3-915	**Sequences**		
3-915-1	Sequence Number [ID]	915	
3-915-2	Molecule Type	RNA	
3-915-3	Length	21	
3-915-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-915-5	Residues	cagagttttc cgtttgcaga a	21
3-916	**Sequences**		
3-916-1	Sequence Number [ID]	916	
3-916-2	Molecule Type	RNA	
3-916-3	Length	21	
3-916-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-916-5	Residues	agagttttcc gtttgcagaa a	21
3-917	**Sequences**		
3-917-1	Sequence Number [ID]	917	
3-917-2	Molecule Type	RNA	
3-917-3	Length	21	
3-917-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-917-5	Residues	gagttttccg tttgcagaaa t	21
3-918	**Sequences**		
3-918-1	Sequence Number [ID]	918	
3-918-2	Molecule Type	RNA	
3-918-3	Length	21	
3-918-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-918-5	Residues	agttttccgt ttgcagaaat g	21
3-919	**Sequences**		
3-919-1	Sequence Number [ID]	919	
3-919-2	Molecule Type	RNA	
3-919-3	Length	21	
3-919-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-919-5	Residues	gttttccgtt tgcagaaatg a	21
3-920	**Sequences**		
3-920-1	Sequence Number [ID]	920	
3-920-2	Molecule Type	RNA	
3-920-3	Length	21	
3-920-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	

		organism=synthetic construct	
	NonEnglishQualifier Value		
3-920-5	Residues	`ttttccgttt gcagaaatga c`	21
3-921	**Sequences**		
3-921-1	Sequence Number [ID]	921	
3-921-2	Molecule Type	RNA	
3-921-3	Length	21	
3-921-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-921-5	Residues	`tttccgtttg cagaaatgac c`	21
3-922	**Sequences**		
3-922-1	Sequence Number [ID]	922	
3-922-2	Molecule Type	RNA	
3-922-3	Length	21	
3-922-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-922-5	Residues	`ttccgtttgc agaaatgacc c`	21
3-923	**Sequences**		
3-923-1	Sequence Number [ID]	923	
3-923-2	Molecule Type	RNA	
3-923-3	Length	21	
3-923-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-923-5	Residues	`tccgtttgca gaaatgaccc a`	21
3-924	**Sequences**		
3-924-1	Sequence Number [ID]	924	
3-924-2	Molecule Type	RNA	
3-924-3	Length	21	
3-924-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-924-5	Residues	`ccgtttgcag aaatgaccca a`	21
3-925	**Sequences**		
3-925-1	Sequence Number [ID]	925	
3-925-2	Molecule Type	RNA	
3-925-3	Length	21	
3-925-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-925-5	Residues	`cgtttgcaga aatgacccaa a`	21
3-926	**Sequences**		
3-926-1	Sequence Number [ID]	926	
3-926-2	Molecule Type	RNA	
3-926-3	Length	21	
3-926-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	

		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-926-5	Residues	gtttgcagaa atgacccaaa a	21
3-927	**Sequences**		
3-927-1	Sequence Number [ID]	927	
3-927-2	Molecule Type	RNA	
3-927-3	Length	21	
3-927-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-927-5	Residues	tttgcagaaa tgacccaaaa g	21
3-928	**Sequences**		
3-928-1	Sequence Number [ID]	928	
3-928-2	Molecule Type	RNA	
3-928-3	Length	21	
3-928-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-928-5	Residues	ttgcagaaat gacccaaaag a	21
3-929	**Sequences**		
3-929-1	Sequence Number [ID]	929	
3-929-2	Molecule Type	RNA	
3-929-3	Length	21	
3-929-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-929-5	Residues	tgcagaaatg acccaaaaga a	21
3-930	**Sequences**		
3-930-1	Sequence Number [ID]	930	
3-930-2	Molecule Type	RNA	
3-930-3	Length	21	
3-930-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-930-5	Residues	gcagaaatga cccaaaagaa g	21
3-931	**Sequences**		
3-931-1	Sequence Number [ID]	931	
3-931-2	Molecule Type	RNA	
3-931-3	Length	21	
3-931-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-931-5	Residues	cagaaatgac ccaaaagaag g	21
3-932	**Sequences**		
3-932-1	Sequence Number [ID]	932	
3-932-2	Molecule Type	RNA	
3-932-3	Length	21	
3-932-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	

		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-932-5	Residues	agaaatgacc caaaagaagg g	21
3-933	**Sequences**		
3-933-1	Sequence Number [ID]	933	
3-933-2	Molecule Type	RNA	
3-933-3	Length	21	
3-933-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-933-5	Residues	gaaatgaccc aaaagaaggg g	21
3-934	**Sequences**		
3-934-1	Sequence Number [ID]	934	
3-934-2	Molecule Type	RNA	
3-934-3	Length	21	
3-934-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-934-5	Residues	aaatgaccca aaagaagggg g	21
3-935	**Sequences**		
3-935-1	Sequence Number [ID]	935	
3-935-2	Molecule Type	RNA	
3-935-3	Length	21	
3-935-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-935-5	Residues	aatgacccaa aagaaggggg g	21
3-936	**Sequences**		
3-936-1	Sequence Number [ID]	936	
3-936-2	Molecule Type	RNA	
3-936-3	Length	21	
3-936-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-936-5	Residues	cgctccccgt gattccccaa t	21
3-937	**Sequences**		
3-937-1	Sequence Number [ID]	937	
3-937-2	Molecule Type	RNA	
3-937-3	Length	21	
3-937-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-937-5	Residues	gctccccgtg attccccaat c	21
3-938	**Sequences**		
3-938-1	Sequence Number [ID]	938	
3-938-2	Molecule Type	RNA	
3-938-3	Length	21	

3-938-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-938-5	Residues	ctccccgtga ttccccaatc g	21
3-939	**Sequences**		
3-939-1	Sequence Number [ID]	939	
3-939-2	Molecule Type	RNA	
3-939-3	Length	21	
3-939-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-939-5	Residues	tccccgtgat tccccaatcg g	21
3-940	**Sequences**		
3-940-1	Sequence Number [ID]	940	
3-940-2	Molecule Type	RNA	
3-940-3	Length	21	
3-940-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-940-5	Residues	ccccgtgatt ccccaatcgg c	21
3-941	**Sequences**		
3-941-1	Sequence Number [ID]	941	
3-941-2	Molecule Type	RNA	
3-941-3	Length	21	
3-941-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-941-5	Residues	cccgtgattc cccaatcggc t	21
3-942	**Sequences**		
3-942-1	Sequence Number [ID]	942	
3-942-2	Molecule Type	RNA	
3-942-3	Length	21	
3-942-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-942-5	Residues	ccgtgattcc ccaatcggct t	21
3-943	**Sequences**		
3-943-1	Sequence Number [ID]	943	
3-943-2	Molecule Type	RNA	
3-943-3	Length	21	
3-943-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-943-5	Residues	cgtgattccc caatcggctt c	21
3-944	**Sequences**		
3-944-1	Sequence Number [ID]	944	
3-944-2	Molecule Type	RNA	

3-944-3	Length	21	
3-944-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-944-5	Residues	gtgattcccc aatcggcttc t	21
3-945	**Sequences**		
3-945-1	Sequence Number [ID]	945	
3-945-2	Molecule Type	RNA	
3-945-3	Length	21	
3-945-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-945-5	Residues	tgattcccca atcggcttct g	21
3-946	**Sequences**		
3-946-1	Sequence Number [ID]	946	
3-946-2	Molecule Type	RNA	
3-946-3	Length	21	
3-946-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-946-5	Residues	gattccccaa tcggcttctg g	21
3-947	**Sequences**		
3-947-1	Sequence Number [ID]	947	
3-947-2	Molecule Type	RNA	
3-947-3	Length	21	
3-947-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-947-5	Residues	attccccaat cggcttctgg a	21
3-948	**Sequences**		
3-948-1	Sequence Number [ID]	948	
3-948-2	Molecule Type	RNA	
3-948-3	Length	21	
3-948-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-948-5	Residues	ttccccaatc ggcttctgga g	21
3-949	**Sequences**		
3-949-1	Sequence Number [ID]	949	
3-949-2	Molecule Type	RNA	
3-949-3	Length	21	
3-949-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-949-5	Residues	tccccaatcg gcttctggag c	21
3-950	**Sequences**		
3-950-1	Sequence Number [ID]	950	

3-950-2	Molecule Type	RNA	
3-950-3	Length	21	
3-950-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-950-5	Residues	`ccccaatcgg cttctggagc c`	21
3-951	**Sequences**		
3-951-1	Sequence Number [ID]	951	
3-951-2	Molecule Type	RNA	
3-951-3	Length	21	
3-951-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-951-5	Residues	`cccaatcggc ttctggagcc a`	21
3-952	**Sequences**		
3-952-1	Sequence Number [ID]	952	
3-952-2	Molecule Type	RNA	
3-952-3	Length	21	
3-952-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-952-5	Residues	`ccaatcggct tctggagcca g`	21
3-953	**Sequences**		
3-953-1	Sequence Number [ID]	953	
3-953-2	Molecule Type	RNA	
3-953-3	Length	21	
3-953-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-953-5	Residues	`caatcggctt ctggagccag a`	21
3-954	**Sequences**		
3-954-1	Sequence Number [ID]	954	
3-954-2	Molecule Type	RNA	
3-954-3	Length	21	
3-954-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-954-5	Residues	`aatcggcttc tggagccaga g`	21
3-955	**Sequences**		
3-955-1	Sequence Number [ID]	955	
3-955-2	Molecule Type	RNA	
3-955-3	Length	21	
3-955-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-955-5	Residues	`atcggcttct ggagccagag g`	21
3-956	**Sequences**		

3-956-1	Sequence Number [ID]	956	
3-956-2	Molecule Type	RNA	
3-956-3	Length	21	
3-956-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-956-5	Residues	tcggcttctg gagccagagg c	21
3-957	**Sequences**		
3-957-1	Sequence Number [ID]	957	
3-957-2	Molecule Type	RNA	
3-957-3	Length	21	
3-957-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-957-5	Residues	cggcttctgg agccagaggc t	21
3-958	**Sequences**		
3-958-1	Sequence Number [ID]	958	
3-958-2	Molecule Type	RNA	
3-958-3	Length	21	
3-958-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-958-5	Residues	ggcttctgga gccagaggct c	21
3-959	**Sequences**		
3-959-1	Sequence Number [ID]	959	
3-959-2	Molecule Type	RNA	
3-959-3	Length	21	
3-959-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-959-5	Residues	gcttctggag ccagaggctc c	21
3-960	**Sequences**		
3-960-1	Sequence Number [ID]	960	
3-960-2	Molecule Type	RNA	
3-960-3	Length	21	
3-960-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-960-5	Residues	cttctggagc cagaggctcc t	21
3-961	**Sequences**		
3-961-1	Sequence Number [ID]	961	
3-961-2	Molecule Type	RNA	
3-961-3	Length	21	
3-961-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-961-5	Residues	ttctggagcc agaggctcct c	21

3-962	**Sequences**		
3-962-1	Sequence Number [ID]	962	
3-962-2	Molecule Type	RNA	
3-962-3	Length	21	
3-962-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-962-5	Residues	tctggagcca gaggctcctc c	21
3-963	**Sequences**		
3-963-1	Sequence Number [ID]	963	
3-963-2	Molecule Type	RNA	
3-963-3	Length	21	
3-963-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-963-5	Residues	ctggagccag aggctcctcc t	21
3-964	**Sequences**		
3-964-1	Sequence Number [ID]	964	
3-964-2	Molecule Type	RNA	
3-964-3	Length	21	
3-964-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-964-5	Residues	tggagccaga ggctcctcct c	21
3-965	**Sequences**		
3-965-1	Sequence Number [ID]	965	
3-965-2	Molecule Type	RNA	
3-965-3	Length	21	
3-965-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-965-5	Residues	ggagccagag gctcctcctc g	21
3-966	**Sequences**		
3-966-1	Sequence Number [ID]	966	
3-966-2	Molecule Type	RNA	
3-966-3	Length	21	
3-966-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-966-5	Residues	tgctgcccgc ttccctgctc c	21
3-967	**Sequences**		
3-967-1	Sequence Number [ID]	967	
3-967-2	Molecule Type	RNA	
3-967-3	Length	21	
3-967-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		

3-967-5	Residues	cgcttccctg ctccgaggaa a	21
3-968	**Sequences**		
3-968-1	Sequence Number [ID]	968	
3-968-2	Molecule Type	RNA	
3-968-3	Length	21	
3-968-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-968-5	Residues	gcttccctgc tccgaggaaa a	21
3-969	**Sequences**		
3-969-1	Sequence Number [ID]	969	
3-969-2	Molecule Type	RNA	
3-969-3	Length	21	
3-969-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-969-5	Residues	cttccctgct ccgaggaaaa a	21
3-970	**Sequences**		
3-970-1	Sequence Number [ID]	970	
3-970-2	Molecule Type	RNA	
3-970-3	Length	21	
3-970-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-970-5	Residues	ttccctgctc cgaggaaaaa c	21
3-971	**Sequences**		
3-971-1	Sequence Number [ID]	971	
3-971-2	Molecule Type	RNA	
3-971-3	Length	21	
3-971-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-971-5	Residues	aaaacgactc cacaactttg t	21
3-972	**Sequences**		
3-972-1	Sequence Number [ID]	972	
3-972-2	Molecule Type	RNA	
3-972-3	Length	21	
3-972-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-972-5	Residues	aaacgactcc acaactttgt g	21
3-973	**Sequences**		
3-973-1	Sequence Number [ID]	973	
3-973-2	Molecule Type	RNA	
3-973-3	Length	21	
3-973-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	

	NonEnglishQualifier Value		
3-973-5	Residues	aacgactcca caactttgtg c	21
3-974	**Sequences**		
3-974-1	Sequence Number [ID]	974	
3-974-2	Molecule Type	RNA	
3-974-3	Length	21	
3-974-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-974-5	Residues	acgactccac aactttgtgc g	21
3-975	**Sequences**		
3-975-1	Sequence Number [ID]	975	
3-975-2	Molecule Type	RNA	
3-975-3	Length	21	
3-975-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-975-5	Residues	cgactccaca actttgtgcg c	21
3-976	**Sequences**		
3-976-1	Sequence Number [ID]	976	
3-976-2	Molecule Type	RNA	
3-976-3	Length	21	
3-976-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-976-5	Residues	gactccacaa ctttgtgcgc g	21
3-977	**Sequences**		
3-977-1	Sequence Number [ID]	977	
3-977-2	Molecule Type	RNA	
3-977-3	Length	21	
3-977-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-977-5	Residues	actccacaac tttgtgcgcg a	21
3-978	**Sequences**		
3-978-1	Sequence Number [ID]	978	
3-978-2	Molecule Type	RNA	
3-978-3	Length	21	
3-978-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-978-5	Residues	ctccacaact ttgtgcgcga g	21
3-979	**Sequences**		
3-979-1	Sequence Number [ID]	979	
3-979-2	Molecule Type	RNA	
3-979-3	Length	21	
3-979-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	

		organism=synthetic construct	
	NonEnglishQualifier Value		
3-979-5	Residues	tccacaactt tgtgcgcgag a	21
3-980	**Sequences**		
3-980-1	Sequence Number [ID]	980	
3-980-2	Molecule Type	RNA	
3-980-3	Length	21	
3-980-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-980-5	Residues	ccacaacttt gtgcgcgaga g	21
3-981	**Sequences**		
3-981-1	Sequence Number [ID]	981	
3-981-2	Molecule Type	RNA	
3-981-3	Length	21	
3-981-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-981-5	Residues	cacaactttg tgcgcgagag a	21
3-982	**Sequences**		
3-982-1	Sequence Number [ID]	982	
3-982-2	Molecule Type	RNA	
3-982-3	Length	21	
3-982-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-982-5	Residues	acaactttgt gcgcgagaga g	21
3-983	**Sequences**		
3-983-1	Sequence Number [ID]	983	
3-983-2	Molecule Type	RNA	
3-983-3	Length	21	
3-983-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-983-5	Residues	gagaggctcg ctccttcggc g	21
3-984	**Sequences**		
3-984-1	Sequence Number [ID]	984	
3-984-2	Molecule Type	RNA	
3-984-3	Length	21	
3-984-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-984-5	Residues	agaggctcgc tccttcggcg g	21
3-985	**Sequences**		
3-985-1	Sequence Number [ID]	985	
3-985-2	Molecule Type	RNA	
3-985-3	Length	21	
3-985-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	

		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-985-5	Residues	tccttcggcg gctcctcctc c	21
3-986	**Sequences**		
3-986-1	Sequence Number [ID]	986	
3-986-2	Molecule Type	RNA	
3-986-3	Length	21	
3-986-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-986-5	Residues	tgcgggcctg ccccttttgtt g	21
3-987	**Sequences**		
3-987-1	Sequence Number [ID]	987	
3-987-2	Molecule Type	RNA	
3-987-3	Length	21	
3-987-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-987-5	Residues	gcgggcctgc ccctttgttg g	21
3-988	**Sequences**		
3-988-1	Sequence Number [ID]	988	
3-988-2	Molecule Type	RNA	
3-988-3	Length	21	
3-988-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-988-5	Residues	cgggcctgcc cctttgttgg a	21
3-989	**Sequences**		
3-989-1	Sequence Number [ID]	989	
3-989-2	Molecule Type	RNA	
3-989-3	Length	21	
3-989-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-989-5	Residues	gggcctgccc ctttgttgga g	21
3-990	**Sequences**		
3-990-1	Sequence Number [ID]	990	
3-990-2	Molecule Type	RNA	
3-990-3	Length	21	
3-990-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-990-5	Residues	ggcctgcccc tttgttggag c	21
3-991	**Sequences**		
3-991-1	Sequence Number [ID]	991	
3-991-2	Molecule Type	RNA	
3-991-3	Length	21	
3-991-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	

		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-991-5	Residues	gcctgcccct ttgttggagc c	21
3-992	**Sequences**		
3-992-1	Sequence Number [ID]	992	
3-992-2	Molecule Type	RNA	
3-992-3	Length	21	
3-992-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-992-5	Residues	cctgcccctt tgttggagcc g	21
3-993	**Sequences**		
3-993-1	Sequence Number [ID]	993	
3-993-2	Molecule Type	RNA	
3-993-3	Length	21	
3-993-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-993-5	Residues	ctgccccttt gttggagccg a	21
3-994	**Sequences**		
3-994-1	Sequence Number [ID]	994	
3-994-2	Molecule Type	RNA	
3-994-3	Length	21	
3-994-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-994-5	Residues	tgcccctttg ttggagccga g	21
3-995	**Sequences**		
3-995-1	Sequence Number [ID]	995	
3-995-2	Molecule Type	RNA	
3-995-3	Length	21	
3-995-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-995-5	Residues	gcccctttgt tggagccgag c	21
3-996	**Sequences**		
3-996-1	Sequence Number [ID]	996	
3-996-2	Molecule Type	RNA	
3-996-3	Length	21	
3-996-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-996-5	Residues	ccccttttgtt ggagccgagc g	21
3-997	**Sequences**		
3-997-1	Sequence Number [ID]	997	
3-997-2	Molecule Type	RNA	
3-997-3	Length	21	

3-997-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-997-5	Residues	`ccctttgttg gagccgagcg c`	21
3-998	**Sequences**		
3-998-1	Sequence Number [ID]	998	
3-998-2	Molecule Type	RNA	
3-998-3	Length	21	
3-998-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-998-5	Residues	`cctttgttgg agccgagcgc t`	21
3-999	**Sequences**		
3-999-1	Sequence Number [ID]	999	
3-999-2	Molecule Type	RNA	
3-999-3	Length	21	
3-999-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-999-5	Residues	`ctttgttgga gccgagcgct g`	21
3-1000	**Sequences**		
3-1000-1	Sequence Number [ID]	1000	
3-1000-2	Molecule Type	RNA	
3-1000-3	Length	21	
3-1000-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1000-5	Residues	`tttgttggag ccgagcgctg g`	21

3-1001	**Sequences**		
3-1001-1	Sequence Number [ID]	1001	
3-1001-2	Molecule Type	RNA	
3-1001-3	Length	21	
3-1001-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1001-5	Residues	`ttgttggagc cgagcgctgg a`	21
3-1002	**Sequences**		
3-1002-1	Sequence Number [ID]	1002	
3-1002-2	Molecule Type	RNA	
3-1002-3	Length	21	
3-1002-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1002-5	Residues	`tgttggagcc gagcgctgga g`	21
3-1003	**Sequences**		
3-1003-1	Sequence Number [ID]	1003	
3-1003-2	Molecule Type	RNA	
3-1003-3	Length	21	
3-1003-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1003-5	Residues	`gttggagccg agcgctggag g`	21
3-1004	**Sequences**		
3-1004-1	Sequence Number [ID]	1004	
3-1004-2	Molecule Type	RNA	
3-1004-3	Length	21	
3-1004-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1004-5	Residues	`ttggagccga gcgctggagg c`	21
3-1005	**Sequences**		
3-1005-1	Sequence Number [ID]	1005	
3-1005-2	Molecule Type	RNA	
3-1005-3	Length	21	
3-1005-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1005-5	Residues	`caggggtccg ctctccagat g`	21
3-1006	**Sequences**		
3-1006-1	Sequence Number [ID]	1006	
3-1006-2	Molecule Type	RNA	
3-1006-3	Length	21	
3-1006-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		

3-1006-5	Residues	aggggtccgc tctccagatg a	21
3-1007	**Sequences**		
3-1007-1	Sequence Number [ID]	1007	
3-1007-2	Molecule Type	RNA	
3-1007-3	Length	21	
3-1007-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1007-5	Residues	ggggtccgct ctccagatga g	21
3-1008	**Sequences**		
3-1008-1	Sequence Number [ID]	1008	
3-1008-2	Molecule Type	RNA	
3-1008-3	Length	21	
3-1008-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1008-5	Residues	gggtccgctc tccagatgag a	21
3-1009	**Sequences**		
3-1009-1	Sequence Number [ID]	1009	
3-1009-2	Molecule Type	RNA	
3-1009-3	Length	21	
3-1009-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1009-5	Residues	ggtccgctct ccagatgaga a	21
3-1010	**Sequences**		
3-1010-1	Sequence Number [ID]	1010	
3-1010-2	Molecule Type	RNA	
3-1010-3	Length	21	
3-1010-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1010-5	Residues	gtccgctctc cagatgagaa g	21
3-1011	**Sequences**		
3-1011-1	Sequence Number [ID]	1011	
3-1011-2	Molecule Type	RNA	
3-1011-3	Length	21	
3-1011-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1011-5	Residues	tccgctctcc agatgagaag g	21
3-1012	**Sequences**		
3-1012-1	Sequence Number [ID]	1012	
3-1012-2	Molecule Type	RNA	
3-1012-3	Length	21	
3-1012-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	

	NonEnglishQualifier Value		
3-1012-5	Residues	ccgctctcca gatgagaagg g	21
3-1013	**Sequences**		
3-1013-1	Sequence Number [ID]	1013	
3-1013-2	Molecule Type	RNA	
3-1013-3	Length	21	
3-1013-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1013-5	Residues	cgctctccag atgagaaggg t	21
3-1014	**Sequences**		
3-1014-1	Sequence Number [ID]	1014	
3-1014-2	Molecule Type	RNA	
3-1014-3	Length	21	
3-1014-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1014-5	Residues	gctctccaga tgagaagggt g	21
3-1015	**Sequences**		
3-1015-1	Sequence Number [ID]	1015	
3-1015-2	Molecule Type	RNA	
3-1015-3	Length	21	
3-1015-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1015-5	Residues	ctctccagat gagaagggtg c	21
3-1016	**Sequences**		
3-1016-1	Sequence Number [ID]	1016	
3-1016-2	Molecule Type	RNA	
3-1016-3	Length	21	
3-1016-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1016-5	Residues	tctccagatg agaagggtgc a	21
3-1017	**Sequences**		
3-1017-1	Sequence Number [ID]	1017	
3-1017-2	Molecule Type	RNA	
3-1017-3	Length	21	
3-1017-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1017-5	Residues	ctccagatga gaagggtgca g	21
3-1018	**Sequences**		
3-1018-1	Sequence Number [ID]	1018	
3-1018-2	Molecule Type	RNA	
3-1018-3	Length	21	
3-1018-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	

		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1018-5	Residues	tccagatgag aagggtgcag a	21
3-1019	**Sequences**		
3-1019-1	Sequence Number [ID]	1019	
3-1019-2	Molecule Type	RNA	
3-1019-3	Length	21	
3-1019-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1019-5	Residues	ccagatgaga agggtgcaga t	21
3-1020	**Sequences**		
3-1020-1	Sequence Number [ID]	1020	
3-1020-2	Molecule Type	RNA	
3-1020-3	Length	21	
3-1020-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1020-5	Residues	cagatgagaa gggtgcagat c	21
3-1021	**Sequences**		
3-1021-1	Sequence Number [ID]	1021	
3-1021-2	Molecule Type	RNA	
3-1021-3	Length	21	
3-1021-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1021-5	Residues	agatgagaag ggtgcagatc a	21
3-1022	**Sequences**		
3-1022-1	Sequence Number [ID]	1022	
3-1022-2	Molecule Type	RNA	
3-1022-3	Length	21	
3-1022-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1022-5	Residues	gatgagaagg gtgcagatca g	21
3-1023	**Sequences**		
3-1023-1	Sequence Number [ID]	1023	
3-1023-2	Molecule Type	RNA	
3-1023-3	Length	21	
3-1023-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1023-5	Residues	atgagaaggg tgcagatcag c	21
3-1024	**Sequences**		
3-1024-1	Sequence Number [ID]	1024	
3-1024-2	Molecule Type	RNA	
3-1024-3	Length	21	
3-1024-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	

		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1024-5	Residues	tgagaagggt gcagatcagc g	21
3-1025	**Sequences**		
3-1025-1	Sequence Number [ID]	1025	
3-1025-2	Molecule Type	RNA	
3-1025-3	Length	21	
3-1025-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1025-5	Residues	gagaagggtg cagatcagcg c	21
3-1026	**Sequences**		
3-1026-1	Sequence Number [ID]	1026	
3-1026-2	Molecule Type	RNA	
3-1026-3	Length	21	
3-1026-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1026-5	Residues	agaagggtgc agatcagcgc c	21
3-1027	**Sequences**		
3-1027-1	Sequence Number [ID]	1027	
3-1027-2	Molecule Type	RNA	
3-1027-3	Length	21	
3-1027-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1027-5	Residues	gaagggtgca gatcagcgcc a	21
3-1028	**Sequences**		
3-1028-1	Sequence Number [ID]	1028	
3-1028-2	Molecule Type	RNA	
3-1028-3	Length	21	
3-1028-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1028-5	Residues	aagggtgcag atcagcgcca g	21
3-1029	**Sequences**		
3-1029-1	Sequence Number [ID]	1029	
3-1029-2	Molecule Type	RNA	
3-1029-3	Length	21	
3-1029-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1029-5	Residues	agggtgcaga tcagcgccag c	21
3-1030	**Sequences**		
3-1030-1	Sequence Number [ID]	1030	
3-1030-2	Molecule Type	RNA	
3-1030-3	Length	21	
3-1030-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	

		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1030-5	Residues	gggtgcagat cagcgccagc c	21
3-1031	**Sequences**		
3-1031-1	Sequence Number [ID]	1031	
3-1031-2	Molecule Type	RNA	
3-1031-3	Length	21	
3-1031-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1031-5	Residues	ggtgcagatc agcgccagcc c	21
3-1032	**Sequences**		
3-1032-1	Sequence Number [ID]	1032	
3-1032-2	Molecule Type	RNA	
3-1032-3	Length	21	
3-1032-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1032-5	Residues	gtgcagatca gcgccagccc t	21
3-1033	**Sequences**		
3-1033-1	Sequence Number [ID]	1033	
3-1033-2	Molecule Type	RNA	
3-1033-3	Length	21	
3-1033-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1033-5	Residues	tgcagatcag cgccagccct c	21
3-1034	**Sequences**		
3-1034-1	Sequence Number [ID]	1034	
3-1034-2	Molecule Type	RNA	
3-1034-3	Length	21	
3-1034-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1034-5	Residues	gcagatcagc gccagccctc c	21
3-1035	**Sequences**		
3-1035-1	Sequence Number [ID]	1035	
3-1035-2	Molecule Type	RNA	
3-1035-3	Length	21	
3-1035-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1035-5	Residues	cagatcagcg ccagccctcc g	21
3-1036	**Sequences**		
3-1036-1	Sequence Number [ID]	1036	
3-1036-2	Molecule Type	RNA	
3-1036-3	Length	21	

3-1036-4	Features Location/ Qualifiers	**misc_feature 1..21** note=Synthetic oligonucleotide **source 1..21** mol_type=other RNA organism=synthetic construct	
	NonEnglishQualifier Value		
3-1036-5	Residues	agatcagcgc cagccctccg g	21
3-1037	**Sequences**		
3-1037-1	Sequence Number [ID]	1037	
3-1037-2	Molecule Type	RNA	
3-1037-3	Length	21	
3-1037-4	Features Location/ Qualifiers	**misc_feature 1..21** note=Synthetic oligonucleotide **source 1..21** mol_type=other RNA organism=synthetic construct	
	NonEnglishQualifier Value		
3-1037-5	Residues	ccgccggccc agcaactttg t	21
3-1038	**Sequences**		
3-1038-1	Sequence Number [ID]	1038	
3-1038-2	Molecule Type	RNA	
3-1038-3	Length	21	
3-1038-4	Features Location/ Qualifiers	**misc_feature 1..21** note=Synthetic oligonucleotide **source 1..21** mol_type=other RNA organism=synthetic construct	
	NonEnglishQualifier Value		
3-1038-5	Residues	cgccggccca gcaactttgt t	21
3-1039	**Sequences**		
3-1039-1	Sequence Number [ID]	1039	
3-1039-2	Molecule Type	RNA	
3-1039-3	Length	21	
3-1039-4	Features Location/ Qualifiers	**misc_feature 1..21** note=Synthetic oligonucleotide **source 1..21** mol_type=other RNA organism=synthetic construct	
	NonEnglishQualifier Value		
3-1039-5	Residues	gccggcccag caactttgtt c	21
3-1040	**Sequences**		
3-1040-1	Sequence Number [ID]	1040	
3-1040-2	Molecule Type	RNA	
3-1040-3	Length	21	
3-1040-4	Features Location/ Qualifiers	**misc_feature 1..21** note=Synthetic oligonucleotide **source 1..21** mol_type=other RNA organism=synthetic construct	
	NonEnglishQualifier Value		
3-1040-5	Residues	ccggcccagc aactttgttc c	21
3-1041	**Sequences**		
3-1041-1	Sequence Number [ID]	1041	
3-1041-2	Molecule Type	RNA	
3-1041-3	Length	21	
3-1041-4	Features Location/ Qualifiers	**misc_feature 1..21** note=Synthetic oligonucleotide **source 1..21** mol_type=other RNA organism=synthetic construct	
	NonEnglishQualifier Value		
3-1041-5	Residues	cggcccagca actttgttcc g	21
3-1042	**Sequences**		
3-1042-1	Sequence Number [ID]	1042	
3-1042-2	Molecule Type	RNA	

3-1042-3	Length	21	
3-1042-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1042-5	Residues	ggcccagcaa ctttgttccg g	21
3-1043	**Sequences**		
3-1043-1	Sequence Number [ID]	1043	
3-1043-2	Molecule Type	RNA	
3-1043-3	Length	21	
3-1043-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1043-5	Residues	gcccagcaac tttgttccgg a	21
3-1044	**Sequences**		
3-1044-1	Sequence Number [ID]	1044	
3-1044-2	Molecule Type	RNA	
3-1044-3	Length	21	
3-1044-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1044-5	Residues	cccagcaact ttgttccgga a	21
3-1045	**Sequences**		
3-1045-1	Sequence Number [ID]	1045	
3-1045-2	Molecule Type	RNA	
3-1045-3	Length	21	
3-1045-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1045-5	Residues	ccagcaactt tgttccggaa g	21
3-1046	**Sequences**		
3-1046-1	Sequence Number [ID]	1046	
3-1046-2	Molecule Type	RNA	
3-1046-3	Length	21	
3-1046-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1046-5	Residues	cagcaacttt gttccggaag a	21
3-1047	**Sequences**		
3-1047-1	Sequence Number [ID]	1047	
3-1047-2	Molecule Type	RNA	
3-1047-3	Length	21	
3-1047-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1047-5	Residues	agcaactttg ttccggaaga t	21
3-1048	**Sequences**		
3-1048-1	Sequence Number [ID]	1048	

3-1048-2	Molecule Type	RNA	
3-1048-3	Length	21	
3-1048-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1048-5	Residues	gcaactttgt tccggaagat c	21
3-1049	**Sequences**		
3-1049-1	Sequence Number [ID]	1049	
3-1049-2	Molecule Type	RNA	
3-1049-3	Length	21	
3-1049-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1049-5	Residues	caactttgtt ccggaagatc a	21
3-1050	**Sequences**		
3-1050-1	Sequence Number [ID]	1050	
3-1050-2	Molecule Type	RNA	
3-1050-3	Length	21	
3-1050-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1050-5	Residues	aactttgttc cggaagatca g	21
3-1051	**Sequences**		
3-1051-1	Sequence Number [ID]	1051	
3-1051-2	Molecule Type	RNA	
3-1051-3	Length	21	
3-1051-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1051-5	Residues	actttgttcc ggaagatcag c	21
3-1052	**Sequences**		
3-1052-1	Sequence Number [ID]	1052	
3-1052-2	Molecule Type	RNA	
3-1052-3	Length	21	
3-1052-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1052-5	Residues	ctttgttccg gaagatcagc c	21
3-1053	**Sequences**		
3-1053-1	Sequence Number [ID]	1053	
3-1053-2	Molecule Type	RNA	
3-1053-3	Length	21	
3-1053-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1053-5	Residues	tttgttccgg aagatcagcc c	21
3-1054	**Sequences**		

3-1054-1	Sequence Number [ID]	1054	
3-1054-2	Molecule Type	RNA	
3-1054-3	Length	21	
3-1054-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1054-5	Residues	`ttgttccgga agatcagccc c`	21
3-1055	**Sequences**		
3-1055-1	Sequence Number [ID]	1055	
3-1055-2	Molecule Type	RNA	
3-1055-3	Length	21	
3-1055-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1055-5	Residues	`tgttccggaa gatcagcccc a`	21
3-1056	**Sequences**		
3-1056-1	Sequence Number [ID]	1056	
3-1056-2	Molecule Type	RNA	
3-1056-3	Length	21	
3-1056-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1056-5	Residues	`gttccggaag atcagcccca c`	21
3-1057	**Sequences**		
3-1057-1	Sequence Number [ID]	1057	
3-1057-2	Molecule Type	RNA	
3-1057-3	Length	21	
3-1057-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1057-5	Residues	`ttccggaaga tcagccccac t`	21
3-1058	**Sequences**		
3-1058-1	Sequence Number [ID]	1058	
3-1058-2	Molecule Type	RNA	
3-1058-3	Length	21	
3-1058-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1058-5	Residues	`tccggaagat cagccccact a`	21
3-1059	**Sequences**		
3-1059-1	Sequence Number [ID]	1059	
3-1059-2	Molecule Type	RNA	
3-1059-3	Length	21	
3-1059-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1059-5	Residues	`ccggaagatc agccccacta c`	21

3-1060	**Sequences**		
3-1060-1	Sequence Number [ID]	1060	
3-1060-2	Molecule Type	RNA	
3-1060-3	Length	21	
3-1060-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1060-5	Residues	cggaagatca gccccactac g	21
3-1061	**Sequences**		
3-1061-1	Sequence Number [ID]	1061	
3-1061-2	Molecule Type	RNA	
3-1061-3	Length	21	
3-1061-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1061-5	Residues	ggaagatcag ccccactacg t	21
3-1062	**Sequences**		
3-1062-1	Sequence Number [ID]	1062	
3-1062-2	Molecule Type	RNA	
3-1062-3	Length	21	
3-1062-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1062-5	Residues	gaagatcagc cccactacgt t	21
3-1063	**Sequences**		
3-1063-1	Sequence Number [ID]	1063	
3-1063-2	Molecule Type	RNA	
3-1063-3	Length	21	
3-1063-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1063-5	Residues	aagatcagcc ccactacgtt c	21
3-1064	**Sequences**		
3-1064-1	Sequence Number [ID]	1064	
3-1064-2	Molecule Type	RNA	
3-1064-3	Length	21	
3-1064-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1064-5	Residues	agatcagccc cactacgttc c	21
3-1065	**Sequences**		
3-1065-1	Sequence Number [ID]	1065	
3-1065-2	Molecule Type	RNA	
3-1065-3	Length	21	
3-1065-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		

3-1065-5	Residues	gatcagcccc actacgttcc c	21
3-1066	**Sequences**		
3-1066-1	Sequence Number [ID]	1066	
3-1066-2	Molecule Type	RNA	
3-1066-3	Length	21	
3-1066-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1066-5	Residues	atcagcccca ctacgttccc g	21
3-1067	**Sequences**		
3-1067-1	Sequence Number [ID]	1067	
3-1067-2	Molecule Type	RNA	
3-1067-3	Length	21	
3-1067-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1067-5	Residues	tcagccccac tacgttcccg g	21
3-1068	**Sequences**		
3-1068-1	Sequence Number [ID]	1068	
3-1068-2	Molecule Type	RNA	
3-1068-3	Length	21	
3-1068-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1068-5	Residues	cagccccact acgttcccgg g	21
3-1069	**Sequences**		
3-1069-1	Sequence Number [ID]	1069	
3-1069-2	Molecule Type	RNA	
3-1069-3	Length	21	
3-1069-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1069-5	Residues	agccccacta cgttcccggg t	21
3-1070	**Sequences**		
3-1070-1	Sequence Number [ID]	1070	
3-1070-2	Molecule Type	RNA	
3-1070-3	Length	21	
3-1070-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1070-5	Residues	ccccactacg ttcccgggtc a	21
3-1071	**Sequences**		
3-1071-1	Sequence Number [ID]	1071	
3-1071-2	Molecule Type	RNA	
3-1071-3	Length	21	
3-1071-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	

	NonEnglishQualifier Value		
3-1071-5	Residues	cccactacgt tcccgggtca g	21
3-1072	**Sequences**		
3-1072-1	Sequence Number [ID]	1072	
3-1072-2	Molecule Type	RNA	
3-1072-3	Length	21	
3-1072-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1072-5	Residues	ccactacgtt cccgggtcag c	21
3-1073	**Sequences**		
3-1073-1	Sequence Number [ID]	1073	
3-1073-2	Molecule Type	RNA	
3-1073-3	Length	21	
3-1073-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1073-5	Residues	cactacgttc ccgggtcagc g	21
3-1074	**Sequences**		
3-1074-1	Sequence Number [ID]	1074	
3-1074-2	Molecule Type	RNA	
3-1074-3	Length	21	
3-1074-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1074-5	Residues	actacgttcc cgggtcagcg t	21
3-1075	**Sequences**		
3-1075-1	Sequence Number [ID]	1075	
3-1075-2	Molecule Type	RNA	
3-1075-3	Length	21	
3-1075-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1075-5	Residues	gttcccgggt cagcgtctgc c	21
3-1076	**Sequences**		
3-1076-1	Sequence Number [ID]	1076	
3-1076-2	Molecule Type	RNA	
3-1076-3	Length	21	
3-1076-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1076-5	Residues	ttcccgggtc agcgtctgcc g	21
3-1077	**Sequences**		
3-1077-1	Sequence Number [ID]	1077	
3-1077-2	Molecule Type	RNA	
3-1077-3	Length	21	
3-1077-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	

		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1077-5	Residues	tcgggaactt ggcgccccaa g	21
3-1078	**Sequences**		
3-1078-1	Sequence Number [ID]	1078	
3-1078-2	Molecule Type	RNA	
3-1078-3	Length	21	
3-1078-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1078-5	Residues	cgggaacttg gcgccccaag t	21
3-1079	**Sequences**		
3-1079-1	Sequence Number [ID]	1079	
3-1079-2	Molecule Type	RNA	
3-1079-3	Length	21	
3-1079-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1079-5	Residues	gggaacttgg cgccccaagt c	21
3-1080	**Sequences**		
3-1080-1	Sequence Number [ID]	1080	
3-1080-2	Molecule Type	RNA	
3-1080-3	Length	21	
3-1080-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1080-5	Residues	ggaacttggc gccccaagtc a	21
3-1081	**Sequences**		
3-1081-1	Sequence Number [ID]	1081	
3-1081-2	Molecule Type	RNA	
3-1081-3	Length	21	
3-1081-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1081-5	Residues	gaacttggcg ccccaagtca c	21
3-1082	**Sequences**		
3-1082-1	Sequence Number [ID]	1082	
3-1082-2	Molecule Type	RNA	
3-1082-3	Length	21	
3-1082-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1082-5	Residues	aacttggcgc cccaagtcac c	21
3-1083	**Sequences**		
3-1083-1	Sequence Number [ID]	1083	
3-1083-2	Molecule Type	RNA	
3-1083-3	Length	21	
3-1083-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	

		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1083-5	Residues	acttggcgcc ccaagtcacc t	21
3-1084	**Sequences**		
3-1084-1	Sequence Number [ID]	1084	
3-1084-2	Molecule Type	RNA	
3-1084-3	Length	21	
3-1084-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1084-5	Residues	cttggcgccc caagtcacct g	21
3-1085	**Sequences**		
3-1085-1	Sequence Number [ID]	1085	
3-1085-2	Molecule Type	RNA	
3-1085-3	Length	21	
3-1085-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1085-5	Residues	ttggcgcccc aagtcacctg a	21
3-1086	**Sequences**		
3-1086-1	Sequence Number [ID]	1086	
3-1086-2	Molecule Type	RNA	
3-1086-3	Length	21	
3-1086-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1086-5	Residues	tggcgcccca agtcacctga c	21
3-1087	**Sequences**		
3-1087-1	Sequence Number [ID]	1087	
3-1087-2	Molecule Type	RNA	
3-1087-3	Length	21	
3-1087-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1087-5	Residues	ggcgccccaa gtcacctgac t	21
3-1088	**Sequences**		
3-1088-1	Sequence Number [ID]	1088	
3-1088-2	Molecule Type	RNA	
3-1088-3	Length	21	
3-1088-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1088-5	Residues	gcgccccaag tcacctgact g	21
3-1089	**Sequences**		
3-1089-1	Sequence Number [ID]	1089	
3-1089-2	Molecule Type	RNA	
3-1089-3	Length	21	
3-1089-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	

		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1089-5	Residues	cgccccaagt cacctgactg c	21
3-1090	**Sequences**		
3-1090-1	Sequence Number [ID]	1090	
3-1090-2	Molecule Type	RNA	
3-1090-3	Length	21	
3-1090-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1090-5	Residues	gccccaagtc acctgactgc g	21
3-1091	**Sequences**		
3-1091-1	Sequence Number [ID]	1091	
3-1091-2	Molecule Type	RNA	
3-1091-3	Length	21	
3-1091-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1091-5	Residues	ccccaagtca cctgactgcg c	21
3-1092	**Sequences**		
3-1092-1	Sequence Number [ID]	1092	
3-1092-2	Molecule Type	RNA	
3-1092-3	Length	21	
3-1092-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1092-5	Residues	cccaagtcac ctgactgcgc g	21
3-1093	**Sequences**		
3-1093-1	Sequence Number [ID]	1093	
3-1093-2	Molecule Type	RNA	
3-1093-3	Length	21	
3-1093-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1093-5	Residues	ccaagtcacc tgactgcgcg c	21
3-1094	**Sequences**		
3-1094-1	Sequence Number [ID]	1094	
3-1094-2	Molecule Type	RNA	
3-1094-3	Length	21	
3-1094-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1094-5	Residues	caagtcacct gactgcgcgc c	21
3-1095	**Sequences**		
3-1095-1	Sequence Number [ID]	1095	
3-1095-2	Molecule Type	RNA	
3-1095-3	Length	21	

3-1095-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1095-5	Residues	gtcaatcagc gccggccctg c	21
3-1096	**Sequences**		
3-1096-1	Sequence Number [ID]	1096	
3-1096-2	Molecule Type	RNA	
3-1096-3	Length	21	
3-1096-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1096-5	Residues	tcaatcagcg ccggccctgc g	21
3-1097	**Sequences**		
3-1097-1	Sequence Number [ID]	1097	
3-1097-2	Molecule Type	RNA	
3-1097-3	Length	21	
3-1097-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1097-5	Residues	gcgctccaga gtgaaccgtg c	21
3-1098	**Sequences**		
3-1098-1	Sequence Number [ID]	1098	
3-1098-2	Molecule Type	RNA	
3-1098-3	Length	21	
3-1098-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1098-5	Residues	cgctccagag tgaaccgtgc g	21
3-1099	**Sequences**		
3-1099-1	Sequence Number [ID]	1099	
3-1099-2	Molecule Type	RNA	
3-1099-3	Length	21	
3-1099-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1099-5	Residues	gctccagagt gaaccgtgcg t	21
3-1100	**Sequences**		
3-1100-1	Sequence Number [ID]	1100	
3-1100-2	Molecule Type	RNA	
3-1100-3	Length	21	
3-1100-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1100-5	Residues	ctccagagtg aaccgtgcgt g	21
3-1101	**Sequences**		
3-1101-1	Sequence Number [ID]	1101	
3-1101-2	Molecule Type	RNA	

3-1101-3	Length	21	
3-1101-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1101-5	Residues	tccagagtga accgtgcgtg c	21
3-1102	**Sequences**		
3-1102-1	Sequence Number [ID]	1102	
3-1102-2	Molecule Type	RNA	
3-1102-3	Length	21	
3-1102-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1102-5	Residues	ccagagtgaa ccgtgcgtgc c	21
3-1103	**Sequences**		
3-1103-1	Sequence Number [ID]	1103	
3-1103-2	Molecule Type	RNA	
3-1103-3	Length	21	
3-1103-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1103-5	Residues	cagagtgaac cgtgcgtgcc g	21
3-1104	**Sequences**		
3-1104-1	Sequence Number [ID]	1104	
3-1104-2	Molecule Type	RNA	
3-1104-3	Length	21	
3-1104-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1104-5	Residues	agagtgaacc gtgcgtgccg g	21
3-1105	**Sequences**		
3-1105-1	Sequence Number [ID]	1105	
3-1105-2	Molecule Type	RNA	
3-1105-3	Length	21	
3-1105-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1105-5	Residues	gggagtccgg agaccgaacc a	21
3-1106	**Sequences**		
3-1106-1	Sequence Number [ID]	1106	
3-1106-2	Molecule Type	RNA	
3-1106-3	Length	21	
3-1106-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1106-5	Residues	ggagtccgga gaccgaacca g	21
3-1107	**Sequences**		
3-1107-1	Sequence Number [ID]	1107	

3-1107-2	Molecule Type	RNA	
3-1107-3	Length	21	
3-1107-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1107-5	Residues	gagtccggag accgaaccag a	21
3-1108	**Sequences**		
3-1108-1	Sequence Number [ID]	1108	
3-1108-2	Molecule Type	RNA	
3-1108-3	Length	21	
3-1108-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1108-5	Residues	agtccggaga ccgaaccaga a	21
3-1109	**Sequences**		
3-1109-1	Sequence Number [ID]	1109	
3-1109-2	Molecule Type	RNA	
3-1109-3	Length	21	
3-1109-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1109-5	Residues	gtccggagac cgaaccagaa t	21
3-1110	**Sequences**		
3-1110-1	Sequence Number [ID]	1110	
3-1110-2	Molecule Type	RNA	
3-1110-3	Length	21	
3-1110-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1110-5	Residues	tccggagacc gaaccagaat g	21
3-1111	**Sequences**		
3-1111-1	Sequence Number [ID]	1111	
3-1111-2	Molecule Type	RNA	
3-1111-3	Length	21	
3-1111-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1111-5	Residues	ccggagaccg aaccagaatg g	21
3-1112	**Sequences**		
3-1112-1	Sequence Number [ID]	1112	
3-1112-2	Molecule Type	RNA	
3-1112-3	Length	21	
3-1112-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1112-5	Residues	cggagaccga accagaatgg a	21
3-1113	**Sequences**		

3-1113-1	Sequence Number [ID]	1113	
3-1113-2	Molecule Type	RNA	
3-1113-3	Length	21	
3-1113-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1113-5	Residues	`ggagaccgaa ccagaatgga t`	21
3-1114	**Sequences**		
3-1114-1	Sequence Number [ID]	1114	
3-1114-2	Molecule Type	RNA	
3-1114-3	Length	21	
3-1114-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1114-5	Residues	`gagaccgaac cagaatggat g`	21
3-1115	**Sequences**		
3-1115-1	Sequence Number [ID]	1115	
3-1115-2	Molecule Type	RNA	
3-1115-3	Length	21	
3-1115-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1115-5	Residues	`agaccgaacc agaatggatg c`	21
3-1116	**Sequences**		
3-1116-1	Sequence Number [ID]	1116	
3-1116-2	Molecule Type	RNA	
3-1116-3	Length	21	
3-1116-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1116-5	Residues	`gaccgaacca gaatggatgc c`	21
3-1117	**Sequences**		
3-1117-1	Sequence Number [ID]	1117	
3-1117-2	Molecule Type	RNA	
3-1117-3	Length	21	
3-1117-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1117-5	Residues	`accgaaccag aatggatgcc t`	21
3-1118	**Sequences**		
3-1118-1	Sequence Number [ID]	1118	
3-1118-2	Molecule Type	RNA	
3-1118-3	Length	21	
3-1118-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1118-5	Residues	`ccgaaccaga atggatgcct c`	21

3-1119	**Sequences**		
3-1119-1	Sequence Number [ID]	1119	
3-1119-2	Molecule Type	RNA	
3-1119-3	Length	21	
3-1119-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1119-5	Residues	cgaaccagaa tggatgcctc g	21
3-1120	**Sequences**		
3-1120-1	Sequence Number [ID]	1120	
3-1120-2	Molecule Type	RNA	
3-1120-3	Length	21	
3-1120-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1120-5	Residues	gaaccagaat ggatgcctcg a	21
3-1121	**Sequences**		
3-1121-1	Sequence Number [ID]	1121	
3-1121-2	Molecule Type	RNA	
3-1121-3	Length	21	
3-1121-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1121-5	Residues	aaccagaatg gatgcctcga g	21
3-1122	**Sequences**		
3-1122-1	Sequence Number [ID]	1122	
3-1122-2	Molecule Type	RNA	
3-1122-3	Length	21	
3-1122-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1122-5	Residues	accagaatgg atgcctcgag c	21
3-1123	**Sequences**		
3-1123-1	Sequence Number [ID]	1123	
3-1123-2	Molecule Type	RNA	
3-1123-3	Length	21	
3-1123-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1123-5	Residues	ccagaatgga tgcctcgagc a	21
3-1124	**Sequences**		
3-1124-1	Sequence Number [ID]	1124	
3-1124-2	Molecule Type	RNA	
3-1124-3	Length	21	
3-1124-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		

3-1124-5	Residues	cagaatggat gcctcgagca g	21
3-1125	**Sequences**		
3-1125-1	Sequence Number [ID]	1125	
3-1125-2	Molecule Type	RNA	
3-1125-3	Length	21	
3-1125-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1125-5	Residues	agaatggatg cctcgagcag a	21
3-1126	**Sequences**		
3-1126-1	Sequence Number [ID]	1126	
3-1126-2	Molecule Type	RNA	
3-1126-3	Length	21	
3-1126-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1126-5	Residues	gaatggatgc ctcgagcaga c	21
3-1127	**Sequences**		
3-1127-1	Sequence Number [ID]	1127	
3-1127-2	Molecule Type	RNA	
3-1127-3	Length	21	
3-1127-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1127-5	Residues	aatggatgcc tcgagcagac a	21
3-1128	**Sequences**		
3-1128-1	Sequence Number [ID]	1128	
3-1128-2	Molecule Type	RNA	
3-1128-3	Length	21	
3-1128-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1128-5	Residues	atggatgcct cgagcagaca c	21
3-1129	**Sequences**		
3-1129-1	Sequence Number [ID]	1129	
3-1129-2	Molecule Type	RNA	
3-1129-3	Length	21	
3-1129-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1129-5	Residues	tggatgcctc gagcagacac a	21
3-1130	**Sequences**		
3-1130-1	Sequence Number [ID]	1130	
3-1130-2	Molecule Type	RNA	
3-1130-3	Length	21	
3-1130-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	

	NonEnglishQualifier Value		
3-1130-5	Residues	ggatgcctcg agcagacaca a	21
3-1131	**Sequences**		
3-1131-1	Sequence Number [ID]	1131	
3-1131-2	Molecule Type	RNA	
3-1131-3	Length	21	
3-1131-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1131-5	Residues	gatgcctcga gcagacacaa t	21
3-1132	**Sequences**		
3-1132-1	Sequence Number [ID]	1132	
3-1132-2	Molecule Type	RNA	
3-1132-3	Length	21	
3-1132-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1132-5	Residues	atgcctcgag cagacacaat t	21
3-1133	**Sequences**		
3-1133-1	Sequence Number [ID]	1133	
3-1133-2	Molecule Type	RNA	
3-1133-3	Length	21	
3-1133-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1133-5	Residues	tgcctcgagc agacacaatt c	21
3-1134	**Sequences**		
3-1134-1	Sequence Number [ID]	1134	
3-1134-2	Molecule Type	RNA	
3-1134-3	Length	21	
3-1134-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1134-5	Residues	gcctcgagca gacacaattc c	21
3-1135	**Sequences**		
3-1135-1	Sequence Number [ID]	1135	
3-1135-2	Molecule Type	RNA	
3-1135-3	Length	21	
3-1135-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1135-5	Residues	cctcgagcag acacaattcc c	21
3-1136	**Sequences**		
3-1136-1	Sequence Number [ID]	1136	
3-1136-2	Molecule Type	RNA	
3-1136-3	Length	21	
3-1136-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	

		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1136-5	Residues	ctcgagcaga cacaattccc c	21
3-1137	**Sequences**		
3-1137-1	Sequence Number [ID]	1137	
3-1137-2	Molecule Type	RNA	
3-1137-3	Length	21	
3-1137-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1137-5	Residues	tcgagcagac acaattcccc t	21
3-1138	**Sequences**		
3-1138-1	Sequence Number [ID]	1138	
3-1138-2	Molecule Type	RNA	
3-1138-3	Length	21	
3-1138-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1138-5	Residues	cgagcagaca caattcccct t	21
3-1139	**Sequences**		
3-1139-1	Sequence Number [ID]	1139	
3-1139-2	Molecule Type	RNA	
3-1139-3	Length	21	
3-1139-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1139-5	Residues	gagcagacac aattcccctt a	21
3-1140	**Sequences**		
3-1140-1	Sequence Number [ID]	1140	
3-1140-2	Molecule Type	RNA	
3-1140-3	Length	21	
3-1140-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1140-5	Residues	agcagacaca attcccctta t	21
3-1141	**Sequences**		
3-1141-1	Sequence Number [ID]	1141	
3-1141-2	Molecule Type	RNA	
3-1141-3	Length	21	
3-1141-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1141-5	Residues	gcagacacaa ttcccttat t	21
3-1142	**Sequences**		
3-1142-1	Sequence Number [ID]	1142	
3-1142-2	Molecule Type	RNA	
3-1142-3	Length	21	
3-1142-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	

		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1142-5	Residues	cagacacaat tccccttatt c	21
3-1143	**Sequences**		
3-1143-1	Sequence Number [ID]	1143	
3-1143-2	Molecule Type	RNA	
3-1143-3	Length	21	
3-1143-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1143-5	Residues	agacacaatt ccccttattc a	21
3-1144	**Sequences**		
3-1144-1	Sequence Number [ID]	1144	
3-1144-2	Molecule Type	RNA	
3-1144-3	Length	21	
3-1144-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1144-5	Residues	gacacaattc cccttattca g	21
3-1145	**Sequences**		
3-1145-1	Sequence Number [ID]	1145	
3-1145-2	Molecule Type	RNA	
3-1145-3	Length	21	
3-1145-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1145-5	Residues	acacaattcc ccttattcag a	21
3-1146	**Sequences**		
3-1146-1	Sequence Number [ID]	1146	
3-1146-2	Molecule Type	RNA	
3-1146-3	Length	21	
3-1146-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1146-5	Residues	cacaattccc cttattcaga t	21
3-1147	**Sequences**		
3-1147-1	Sequence Number [ID]	1147	
3-1147-2	Molecule Type	RNA	
3-1147-3	Length	21	
3-1147-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1147-5	Residues	acaattcccc ttattcagat t	21
3-1148	**Sequences**		
3-1148-1	Sequence Number [ID]	1148	
3-1148-2	Molecule Type	RNA	
3-1148-3	Length	21	
3-1148-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	

		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1148-5	Residues	caattcccct tattcagatt a	21
3-1149	**Sequences**		
3-1149-1	Sequence Number [ID]	1149	
3-1149-2	Molecule Type	RNA	
3-1149-3	Length	21	
3-1149-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1149-5	Residues	tccccttatt cagattatcc g	21
3-1150	**Sequences**		
3-1150-1	Sequence Number [ID]	1150	
3-1150-2	Molecule Type	RNA	
3-1150-3	Length	21	
3-1150-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1150-5	Residues	cccccttattc agattatccg a	21
3-1151	**Sequences**		
3-1151-1	Sequence Number [ID]	1151	
3-1151-2	Molecule Type	RNA	
3-1151-3	Length	21	
3-1151-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1151-5	Residues	cccttattca gattatccga a	21
3-1152	**Sequences**		
3-1152-1	Sequence Number [ID]	1152	
3-1152-2	Molecule Type	RNA	
3-1152-3	Length	21	
3-1152-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1152-5	Residues	ccttattcag attatccgaa a	21
3-1153	**Sequences**		
3-1153-1	Sequence Number [ID]	1153	
3-1153-2	Molecule Type	RNA	
3-1153-3	Length	21	
3-1153-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1153-5	Residues	cagattatcc gaaaatgtga g	21
3-1154	**Sequences**		
3-1154-1	Sequence Number [ID]	1154	
3-1154-2	Molecule Type	RNA	
3-1154-3	Length	21	

3-1154-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1154-5	Residues	gattatccga aaatgtgagt c	21
3-1155	**Sequences**		
3-1155-1	Sequence Number [ID]	1155	
3-1155-2	Molecule Type	RNA	
3-1155-3	Length	21	
3-1155-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1155-5	Residues	ttatccgaaa atgtgagtca c	21
3-1156	**Sequences**		
3-1156-1	Sequence Number [ID]	1156	
3-1156-2	Molecule Type	RNA	
3-1156-3	Length	21	
3-1156-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1156-5	Residues	tatccgaaaa tgtgagtcac g	21
3-1157	**Sequences**		
3-1157-1	Sequence Number [ID]	1157	
3-1157-2	Molecule Type	RNA	
3-1157-3	Length	21	
3-1157-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1157-5	Residues	atccgaaaat gtgagtcacg t	21
3-1158	**Sequences**		
3-1158-1	Sequence Number [ID]	1158	
3-1158-2	Molecule Type	RNA	
3-1158-3	Length	21	
3-1158-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1158-5	Residues	tccgaaaatg tgagtcacgt c	21
3-1159	**Sequences**		
3-1159-1	Sequence Number [ID]	1159	
3-1159-2	Molecule Type	RNA	
3-1159-3	Length	21	
3-1159-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1159-5	Residues	ccgaaaatgt gagtcacgtc c	21
3-1160	**Sequences**		
3-1160-1	Sequence Number [ID]	1160	
3-1160-2	Molecule Type	RNA	

3-1160-3	Length	21	
3-1160-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1160-5	Residues	cgaaaatgtg agtcacgtcc c	21
3-1161	**Sequences**		
3-1161-1	Sequence Number [ID]	1161	
3-1161-2	Molecule Type	RNA	
3-1161-3	Length	21	
3-1161-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1161-5	Residues	gaaaatgtga gtcacgtccc c	21
3-1162	**Sequences**		
3-1162-1	Sequence Number [ID]	1162	
3-1162-2	Molecule Type	RNA	
3-1162-3	Length	21	
3-1162-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1162-5	Residues	aaaatgtgag tcacgtcccc t	21
3-1163	**Sequences**		
3-1163-1	Sequence Number [ID]	1163	
3-1163-2	Molecule Type	RNA	
3-1163-3	Length	21	
3-1163-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1163-5	Residues	aaatgtgagt cacgtcccct t	21
3-1164	**Sequences**		
3-1164-1	Sequence Number [ID]	1164	
3-1164-2	Molecule Type	RNA	
3-1164-3	Length	21	
3-1164-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1164-5	Residues	aatgtgagtc acgtcccctt a	21
3-1165	**Sequences**		
3-1165-1	Sequence Number [ID]	1165	
3-1165-2	Molecule Type	RNA	
3-1165-3	Length	21	
3-1165-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1165-5	Residues	atgtgagtca cgtcccctta g	21
3-1166	**Sequences**		
3-1166-1	Sequence Number [ID]	1166	

3-1166-2	Molecule Type	RNA	
3-1166-3	Length	21	
3-1166-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1166-5	Residues	tgtgagtcac gtcccttag g	21
3-1167	**Sequences**		
3-1167-1	Sequence Number [ID]	1167	
3-1167-2	Molecule Type	RNA	
3-1167-3	Length	21	
3-1167-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1167-5	Residues	gtgagtcacg tcccttagg c	21
3-1168	**Sequences**		
3-1168-1	Sequence Number [ID]	1168	
3-1168-2	Molecule Type	RNA	
3-1168-3	Length	21	
3-1168-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1168-5	Residues	tgagtcacgt ccccttaggc a	21
3-1169	**Sequences**		
3-1169-1	Sequence Number [ID]	1169	
3-1169-2	Molecule Type	RNA	
3-1169-3	Length	21	
3-1169-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1169-5	Residues	gagtcacgtc cccttaggca a	21
3-1170	**Sequences**		
3-1170-1	Sequence Number [ID]	1170	
3-1170-2	Molecule Type	RNA	
3-1170-3	Length	21	
3-1170-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1170-5	Residues	agtcacgtcc ccttaggcaa a	21
3-1171	**Sequences**		
3-1171-1	Sequence Number [ID]	1171	
3-1171-2	Molecule Type	RNA	
3-1171-3	Length	21	
3-1171-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1171-5	Residues	gtcacgtccc cttaggcaaa a	21
3-1172	**Sequences**		

3-1172-1	Sequence Number [ID]	1172	
3-1172-2	Molecule Type	RNA	
3-1172-3	Length	21	
3-1172-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1172-5	Residues	tcacgtcccc ttaggcaaaa c	21
3-1173	**Sequences**		
3-1173-1	Sequence Number [ID]	1173	
3-1173-2	Molecule Type	RNA	
3-1173-3	Length	21	
3-1173-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1173-5	Residues	cacgtcccct taggcaaaac a	21
3-1174	**Sequences**		
3-1174-1	Sequence Number [ID]	1174	
3-1174-2	Molecule Type	RNA	
3-1174-3	Length	21	
3-1174-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1174-5	Residues	acgtcccctt aggcaaaaca g	21
3-1175	**Sequences**		
3-1175-1	Sequence Number [ID]	1175	
3-1175-2	Molecule Type	RNA	
3-1175-3	Length	21	
3-1175-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1175-5	Residues	cgtcccctta ggcaaaacag g	21
3-1176	**Sequences**		
3-1176-1	Sequence Number [ID]	1176	
3-1176-2	Molecule Type	RNA	
3-1176-3	Length	21	
3-1176-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1176-5	Residues	gtcccttag gcaaaacagg t	21
3-1177	**Sequences**		
3-1177-1	Sequence Number [ID]	1177	
3-1177-2	Molecule Type	RNA	
3-1177-3	Length	21	
3-1177-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1177-5	Residues	tcccttagg caaaacaggt c	21

3-1178	**Sequences**		
3-1178-1	Sequence Number [ID]	1178	
3-1178-2	Molecule Type	RNA	
3-1178-3	Length	21	
3-1178-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1178-5	Residues	`ccccttaggc aaaacaggtc t`	21
3-1179	**Sequences**		
3-1179-1	Sequence Number [ID]	1179	
3-1179-2	Molecule Type	RNA	
3-1179-3	Length	21	
3-1179-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1179-5	Residues	`cccttaggca aaacaggtct c`	21
3-1180	**Sequences**		
3-1180-1	Sequence Number [ID]	1180	
3-1180-2	Molecule Type	RNA	
3-1180-3	Length	21	
3-1180-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1180-5	Residues	`ccttaggcaa aacaggtctc t`	21
3-1181	**Sequences**		
3-1181-1	Sequence Number [ID]	1181	
3-1181-2	Molecule Type	RNA	
3-1181-3	Length	21	
3-1181-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1181-5	Residues	`cttaggcaaa acaggtctct a`	21
3-1182	**Sequences**		
3-1182-1	Sequence Number [ID]	1182	
3-1182-2	Molecule Type	RNA	
3-1182-3	Length	21	
3-1182-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1182-5	Residues	`ttaggcaaaa caggtctcta g`	21
3-1183	**Sequences**		
3-1183-1	Sequence Number [ID]	1183	
3-1183-2	Molecule Type	RNA	
3-1183-3	Length	21	
3-1183-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		

3-1183-5	Residues	taggcaaaac aggtctctag t	21
3-1184	**Sequences**		
3-1184-1	Sequence Number [ID]	1184	
3-1184-2	Molecule Type	RNA	
3-1184-3	Length	21	
3-1184-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1184-5	Residues	aggcaaaaca ggtctctagt t	21
3-1185	**Sequences**		
3-1185-1	Sequence Number [ID]	1185	
3-1185-2	Molecule Type	RNA	
3-1185-3	Length	21	
3-1185-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1185-5	Residues	ggcaaaacag gtctctagtt a	21
3-1186	**Sequences**		
3-1186-1	Sequence Number [ID]	1186	
3-1186-2	Molecule Type	RNA	
3-1186-3	Length	21	
3-1186-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1186-5	Residues	gcaaaacagg tctctagtta g	21
3-1187	**Sequences**		
3-1187-1	Sequence Number [ID]	1187	
3-1187-2	Molecule Type	RNA	
3-1187-3	Length	21	
3-1187-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1187-5	Residues	caaaacaggt ctctagttag g	21
3-1188	**Sequences**		
3-1188-1	Sequence Number [ID]	1188	
3-1188-2	Molecule Type	RNA	
3-1188-3	Length	21	
3-1188-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1188-5	Residues	aaaacaggtc tctagttagg g	21
3-1189	**Sequences**		
3-1189-1	Sequence Number [ID]	1189	
3-1189-2	Molecule Type	RNA	
3-1189-3	Length	21	
3-1189-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	

	NonEnglishQualifier Value		
3-1189-5	Residues	aaacaggtct ctagttaggg t	21
3-1190	**Sequences**		
3-1190-1	Sequence Number [ID]	1190	
3-1190-2	Molecule Type	RNA	
3-1190-3	Length	21	
3-1190-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1190-5	Residues	aacaggtctc tagttagggt g	21
3-1191	**Sequences**		
3-1191-1	Sequence Number [ID]	1191	
3-1191-2	Molecule Type	RNA	
3-1191-3	Length	21	
3-1191-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1191-5	Residues	acaggtctct agttagggtg a	21
3-1192	**Sequences**		
3-1192-1	Sequence Number [ID]	1192	
3-1192-2	Molecule Type	RNA	
3-1192-3	Length	21	
3-1192-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1192-5	Residues	caggtctcta gttagggtga t	21
3-1193	**Sequences**		
3-1193-1	Sequence Number [ID]	1193	
3-1193-2	Molecule Type	RNA	
3-1193-3	Length	21	
3-1193-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1193-5	Residues	aggtctctag ttagggtgat a	21
3-1194	**Sequences**		
3-1194-1	Sequence Number [ID]	1194	
3-1194-2	Molecule Type	RNA	
3-1194-3	Length	21	
3-1194-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1194-5	Residues	ggtctctagt tagggtgata t	21
3-1195	**Sequences**		
3-1195-1	Sequence Number [ID]	1195	
3-1195-2	Molecule Type	RNA	
3-1195-3	Length	21	
3-1195-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	

		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1195-5	Residues	gtctctagtt agggtgatat t	21
3-1196	**Sequences**		
3-1196-1	Sequence Number [ID]	1196	
3-1196-2	Molecule Type	RNA	
3-1196-3	Length	21	
3-1196-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1196-5	Residues	tctctagtta gggtgatatt t	21
3-1197	**Sequences**		
3-1197-1	Sequence Number [ID]	1197	
3-1197-2	Molecule Type	RNA	
3-1197-3	Length	21	
3-1197-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1197-5	Residues	ctctagttag ggtgatattt t	21
3-1198	**Sequences**		
3-1198-1	Sequence Number [ID]	1198	
3-1198-2	Molecule Type	DNA	
3-1198-3	Length	21	
3-1198-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=RNA at (1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19)	
		misc_feature 20..21	
		note=DNA at (20,21)	
		misc_feature 1..21	
		note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1198-5	Residues	tctaaggaca tcagcaacct t	21
3-1199	**Sequences**		
3-1199-1	Sequence Number [ID]	1199	
3-1199-2	Molecule Type	DNA	
3-1199-3	Length	21	
3-1199-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=RNA at (1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19)	
		misc_feature 20..21	
		note=DNA at (20,21)	
		misc_feature 1..21	
		note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1199-5	Residues	tctactgtca ctcagtagtt t	21
3-1200	**Sequences**		
3-1200-1	Sequence Number [ID]	1200	
3-1200-2	Molecule Type	DNA	
3-1200-3	Length	1000	
3-1200-4	Features Location/	**misc_feature 1..1000**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..1000	
		mol_type=genomic DNA	
		organism=Homo sapiens	
	NonEnglishQualifier Value		

3-1200-5	Residues	atttatctct taaaaaaata tcaccctaac tagagacctg ttttgcctaa ggggacgtga	60
		ctcacatttt cggataatct gaataagggg aattgtgtct gctcgaggca tccattctgg	120
		ttcggtctcc ggactcccgg ctcccggcac gcacggttca ctctggagcg cgcgccccag	180
		gccagccaag cgccgagccg ggctgctgcg ggctgggagg gcgcgcaggg ccggcgctga	240
		ttgacggggc gcgcagtcag gtgacttggg gcgccaagtt cccgacgcgg tggccgcggt	300
		gaccgccgag gcccggcaga cgctgacccg ggaacgtagt ggggctgatc ttccggaaca	360
		aagttgctgg gccggcggcg gcggggcgag agcgccgagg gggagccgga gcgctgcaga	420
		ggcgcgggcc ggagggctgg cgctgatctg cacccttctc atctggagag cggacccctg	480
		gctgcccgga ggcgagcccc ttcccggggg gtgggggcgg caacgcgcga cccagcggtc	540
		ctgcgcccca ccctccctcc tccgcctcca gcgctcggct ccaacaaagg ggcaggcccg	600
		cagcggggag gaggaggagg agccgccgaa ggagcgagcc tctctcgcgc acaaagttgt	660
		ggagtcgttt ttcctcggag cagggaagcg ggcagcagca gccggccgcg ggctttctcc	720
		cgccgagggg cgaggaggag cctctggctc cagaagccga ttggggaatc acggggagcg	780
		gcgccccccct tcttttgggt catttctgca aacggaaaac tctgtagcgt ttggcaaagt	840
		tggtgcctgc gcgccccttc caggtttgcg ctttgactgt tttgtttttg gcggaactac	900
		caggcaggaa gattgcacaa gtaaggggcg ttttcagtcg ggtgtcaatt tctctttctt	960
		tctttctttt tttaaaattt cggttcgtgt ctgcttctcc	1000
3-1201	**Sequences**		
3-1201-1	Sequence Number [ID]	1201	
3-1201-2	Molecule Type	DNA	
3-1201-3	Length	20	
3-1201-4	Features Location/	**misc_feature 1..20**	
	Qualifiers	note=Synthetic primer	
		source 1..20	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1201-5	Residues	gccgtggcaa agatccattt	20
3-1202	**Sequences**		
3-1202-1	Sequence Number [ID]	1202	
3-1202-2	Molecule Type	DNA	
3-1202-3	Length	22	
3-1202-4	Features Location/	**misc_feature 1..22**	
	Qualifiers	note=Synthetic primer	
		source 1..22	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1202-5	Residues	acattattca ggtcagcaag gg	22
3-1203	**Sequences**		
3-1203-1	Sequence Number [ID]	1203	
3-1203-2	Molecule Type	DNA	
3-1203-3	Length	22	
3-1203-4	Features Location/	**misc_feature 1..22**	
	Qualifiers	note=Synthetic primer	
		source 1..22	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1203-5	Residues	tgctcaccca ccaacaattt ag	22
3-1204	**Sequences**		
3-1204-1	Sequence Number [ID]	1204	
3-1204-2	Molecule Type	DNA	
3-1204-3	Length	22	
3-1204-4	Features Location/	**misc_feature 1..22**	
	Qualifiers	note=Synthetic primer	
		source 1..22	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1204-5	Residues	tctgctctga ctttagcacc tg	22
3-1205	**Sequences**		
3-1205-1	Sequence Number [ID]	1205	
3-1205-2	Molecule Type	DNA	
3-1205-3	Length	24	

3-1205-4	Features Location/ Qualifiers	**misc_feature 1..24** note=Synthetic primer **source 1..24** mol_type=other DNA organism=synthetic construct
	NonEnglishQualifier Value	
3-1205-5	Residues	gatagttaag tgggatcgag acat 24
3-1206	**Sequences**	
3-1206-1	Sequence Number [ID]	1206
3-1206-2	Molecule Type	DNA
3-1206-3	Length	21
3-1206-4	Features Location/ Qualifiers	**misc_feature 1..21** note=Synthetic primer **source 1..21** mol_type=other DNA organism=synthetic construct
	NonEnglishQualifier Value	
3-1206-5	Residues	agcaagcaag cagaatttgg a 21
3-1207	**Sequences**	
3-1207-1	Sequence Number [ID]	1207
3-1207-2	Molecule Type	DNA
3-1207-3	Length	141
3-1207-4	Features Location/ Qualifiers	**source 1..141** mol_type=genomic DNA organism=Homo sapiens
	NonEnglishQualifier Value	
3-1207-5	Residues	tagagacctg ttttgcctaa ggggacgtga ctcacatttt cggataatct gaataagggg 60 aattgtgtct gctcgaggca tccattctgg ttcggtctcc ggactcccgg ctcccggcac 120 gcacggttca ctctggagcg c 141
3-1208	**Sequences**	
3-1208-1	Sequence Number [ID]	1208
3-1208-2	Molecule Type	DNA
3-1208-3	Length	58
3-1208-4	Features Location/ Qualifiers	**source 1..58** mol_type=genomic DNA organism=Homo sapiens
	NonEnglishQualifier Value	
3-1208-5	Residues	gcagacgctg acccgggaac gtagtggggc tgatcttccg gaacaaagtt gctgggcc 58
3-1209	**Sequences**	
3-1209-1	Sequence Number [ID]	1209
3-1209-2	Molecule Type	DNA
3-1209-3	Length	50
3-1209-4	Features Location/ Qualifiers	**source 1..50** mol_type=genomic DNA organism=Homo sapiens
	NonEnglishQualifier Value	
3-1209-5	Residues	ggagggctgg cgctgatctg cacccttctc atctggagag cggacccctg 50
3-1210	**Sequences**	
3-1210-1	Sequence Number [ID]	1210
3-1210-2	Molecule Type	DNA
3-1210-3	Length	37
3-1210-4	Features Location/ Qualifiers	**source 1..37** mol_type=genomic DNA organism=Homo sapiens
	NonEnglishQualifier Value	
3-1210-5	Residues	ctccagcgct cggctccaac aaaggggcag gcccgca 37
3-1211	**Sequences**	
3-1211-1	Sequence Number [ID]	1211
3-1211-2	Molecule Type	DNA
3-1211-3	Length	21
3-1211-4	Features Location/ Qualifiers	**misc_feature 1..21** note=Synthetic primer **source 1..21** mol_type=other DNA organism=synthetic construct

	NonEnglishQualifier Value		
3-1211-5	Residues	aaagatggtc aaggtcgcaa g	21
3-1212	**Sequences**		
3-1212-1	Sequence Number [ID]	1212	
3-1212-2	Molecule Type	DNA	
3-1212-3	Length	23	
3-1212-4	Features Location/	**misc_feature 1..23**	
	Qualifiers	note=Synthetic primer	
		source 1..23	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1212-5	Residues	tagtcaaggg catatcctac aac	23
3-1213	**Sequences**		
3-1213-1	Sequence Number [ID]	1213	
3-1213-2	Molecule Type	DNA	
3-1213-3	Length	18	
3-1213-4	Features Location/	**misc_feature 1..16**	
	Qualifiers	note=RNA at (1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16)	
		misc_feature 17..18	
		note=DNA at (17,18)	
		misc_feature 1..18	
		note=Synthetic oligonucleotide	
		source 1..18	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1213-5	Residues	gctcggctcc aacaaatt	18
3-1214	**Sequences**		
3-1214-1	Sequence Number [ID]	1214	
3-1214-2	Molecule Type	DNA	
3-1214-3	Length	18	
3-1214-4	Features Location/	**misc_feature 1..16**	
	Qualifiers	note=RNA at (1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16)	
		misc_feature 17..18	
		note=DNA at (17,18)	
		misc_feature 1..18	
		note=Synthetic oligonucleotide	
		source 1..18	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1214-5	Residues	tttgttggag ccgagctt	18
3-1215	**Sequences**		
3-1215-1	Sequence Number [ID]	1215	
3-1215-2	Molecule Type	RNA	
3-1215-3	Length	18	
3-1215-4	Features Location/	**misc_feature 1..18**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..18	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1215-5	Residues	gctcggctcc aacaaagg	18
3-1216	**Sequences**		
3-1216-1	Sequence Number [ID]	1216	
3-1216-2	Molecule Type	RNA	
3-1216-3	Length	18	
3-1216-4	Features Location/	**misc_feature 1..18**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..18	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1216-5	Residues	cctttgttgg agccgagc	18

3-1217	**Sequences**		
3-1217-1	Sequence Number [ID]	1217	
3-1217-2	Molecule Type	RNA	
3-1217-3	Length	22	
3-1217-4	Features Location/	**misc_feature 1..22**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..22	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1217-5	Residues	gctcggctcc aacaaagggg ca	22
3-1218	**Sequences**		
3-1218-1	Sequence Number [ID]	1218	
3-1218-2	Molecule Type	RNA	
3-1218-3	Length	20	
3-1218-4	Features Location/	**misc_feature 1..20**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..20	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1218-5	Residues	ccccttttgtt ggagccgagc	20
3-1219	**Sequences**		
3-1219-1	Sequence Number [ID]	1219	
3-1219-2	Molecule Type	RNA	
3-1219-3	Length	30	
3-1219-4	Features Location/	**misc_feature 1..30**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..30	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1219-5	Residues	gctcggctcc aacaaagggg caggcccgca	30
3-1220	**Sequences**		
3-1220-1	Sequence Number [ID]	1220	
3-1220-2	Molecule Type	RNA	
3-1220-3	Length	28	
3-1220-4	Features Location/	**misc_feature 1..28**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..28	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1220-5	Residues	cgggcctgcc cctttgttgg agccgagc	28
3-1221	**Sequences**		
3-1221-1	Sequence Number [ID]	1221	
3-1221-2	Molecule Type	RNA	
3-1221-3	Length	21	
3-1221-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1221-5	Residues	gctcggctcc aacaaagggg c	21
3-1222	**Sequences**		
3-1222-1	Sequence Number [ID]	1222	
3-1222-2	Molecule Type	RNA	
3-1222-3	Length	21	
3-1222-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		

3-1222-5	Residues	`ccctttgttg gaccggtggg g`	21
3-1223	**Sequences**		
3-1223-1	Sequence Number [ID]	1223	
3-1223-2	Molecule Type	RNA	
3-1223-3	Length	20	
3-1223-4	Features Location/	**misc_feature 1..20**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..20	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1223-5	Residues	`gctcggctcc aacaaagggg`	20
3-1224	**Sequences**		
3-1224-1	Sequence Number [ID]	1224	
3-1224-2	Molecule Type	RNA	
3-1224-3	Length	19	
3-1224-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1224-5	Residues	`ccctttgttg gagccgagc`	19
3-1225	**Sequences**		
3-1225-1	Sequence Number [ID]	1225	
3-1225-2	Molecule Type	RNA	
3-1225-3	Length	22	
3-1225-4	Features Location/	**misc_feature 1..22**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..22	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1225-5	Residues	`gctcggctcc aacaaagggg ca`	22
3-1226	**Sequences**		
3-1226-1	Sequence Number [ID]	1226	
3-1226-2	Molecule Type	RNA	
3-1226-3	Length	24	
3-1226-4	Features Location/	**misc_feature 1..24**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..24	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1226-5	Residues	`gctcggctcc aacaaagggg cagg`	24
3-1227	**Sequences**		
3-1227-1	Sequence Number [ID]	1227	
3-1227-2	Molecule Type	RNA	
3-1227-3	Length	19	
3-1227-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1227-5	Residues	`ggcacgcacg gttcactct`	19
3-1228	**Sequences**		
3-1228-1	Sequence Number [ID]	1228	
3-1228-2	Molecule Type	RNA	
3-1228-3	Length	19	
3-1228-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other RNA	
		organism=synthetic construct	

	NonEnglishQualifier Value		
3-1228-5	Residues	agagtgaacc gtgcgtgcc	19
3-1229	**Sequences**		
3-1229-1	Sequence Number [ID]	1229	
3-1229-2	Molecule Type	RNA	
3-1229-3	Length	23	
3-1229-4	Features Location/	**misc_feature 1..23**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..23	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1229-5	Residues	tcccggcacg cacggttcac tct	23
3-1230	**Sequences**		
3-1230-1	Sequence Number [ID]	1230	
3-1230-2	Molecule Type	RNA	
3-1230-3	Length	25	
3-1230-4	Features Location/	**misc_feature 1..25**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..25	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1230-5	Residues	agagtgaacc gtgcgtgccg ggagc	25
3-1231	**Sequences**		
3-1231-1	Sequence Number [ID]	1231	
3-1231-2	Molecule Type	RNA	
3-1231-3	Length	33	
3-1231-4	Features Location/	**misc_feature 1..33**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..33	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1231-5	Residues	gactcccggc tcccggcacg cacggttcac tct	33
3-1232	**Sequences**		
3-1232-1	Sequence Number [ID]	1232	
3-1232-2	Molecule Type	RNA	
3-1232-3	Length	35	
3-1232-4	Features Location/	**misc_feature 1..35**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..35	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1232-5	Residues	agagtgaacc gtgcgtgccg ggagccggga gtccg	35
3-1233	**Sequences**		
3-1233-1	Sequence Number [ID]	1233	
3-1233-2	Molecule Type	RNA	
3-1233-3	Length	21	
3-1233-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1233-5	Residues	ggcacgcacg gtactcacag c	21
3-1234	**Sequences**		
3-1234-1	Sequence Number [ID]	1234	
3-1234-2	Molecule Type	RNA	
3-1234-3	Length	21	
3-1234-4	Features Location/	**misc_feature 1..21**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..21	
		mol_type=other RNA	

		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1234-5	Residues	agagtgaacc gtgcgtgccg g	21
3-1235	**Sequences**		
3-1235-1	Sequence Number [ID]	1235	
3-1235-2	Molecule Type	RNA	
3-1235-3	Length	19	
3-1235-4	Features Location/	**misc_feature 1..19**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..19	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1235-5	Residues	ggcacgcacg gttcactct	19
3-1236	**Sequences**		
3-1236-1	Sequence Number [ID]	1236	
3-1236-2	Molecule Type	RNA	
3-1236-3	Length	23	
3-1236-4	Features Location/	**misc_feature 1..23**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..23	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1236-5	Residues	agagtgaacc gtgcgtgccg gga	23
3-1237	**Sequences**		
3-1237-1	Sequence Number [ID]	1237	
3-1237-2	Molecule Type	RNA	
3-1237-3	Length	25	
3-1237-4	Features Location/	**misc_feature 1..25**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..25	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1237-5	Residues	agagtgaacc gtgcgtgccg ggagc	25
3-1238	**Sequences**		
3-1238-1	Sequence Number [ID]	1238	
3-1238-2	Molecule Type	DNA	
3-1238-3	Length	18	
3-1238-4	Features Location/	**misc_feature 1..16**	
	Qualifiers	note=RNA at (1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16)	
		misc_feature 17..18	
		note=DNA at (17,18)	
		misc_feature 1..18	
		note=Synthetic oligonucleotide	
		source 1..18	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1238-5	Residues	gaggcatcca ttctggtt	18
3-1239	**Sequences**		
3-1239-1	Sequence Number [ID]	1239	
3-1239-2	Molecule Type	DNA	
3-1239-3	Length	18	
3-1239-4	Features Location/	**misc_feature 1..16**	
	Qualifiers	note=RNA at (1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16)	
		misc_feature 17..18	
		note=DNA at (17,18)	
		misc_feature 1..18	
		note=Synthetic oligonucleotide	
		source 1..18	
		mol_type=other DNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		

3-1239-5	Residues	ccagaatgga tgcctctt	18
3-1240	**Sequences**		
3-1240-1	Sequence Number [ID]	1240	
3-1240-2	Molecule Type	RNA	
3-1240-3	Length	29	
3-1240-4	Features Location/	**misc_feature 1..29**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..29	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1240-5	Residues	attgtgtctg ctcgaggcat ccattctgg	29
3-1241	**Sequences**		
3-1241-1	Sequence Number [ID]	1241	
3-1241-2	Molecule Type	RNA	
3-1241-3	Length	35	
3-1241-4	Features Location/	**misc_feature 1..35**	
	Qualifiers	note=Synthetic oligonucleotide	
		source 1..35	
		mol_type=other RNA	
		organism=synthetic construct	
	NonEnglishQualifier Value		
3-1241-5	Residues	ccagaatgga tgcctcgagc agacacaatt cccct	35