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(71) Applicant: **OUTPACE BIO, INC.** [US/US]; 500 Fairview Ave N., Suite 560, Seattle, Washington 98109-5541 (US).

(72) Inventors: **BOYKEN, Scott**; 500 Fairview Ave N., Suite 560, Seattle, Washington 98109-5541 (US). **LAJOIE, Marc**; 500 Fairview Ave N., Suite 560, Seattle, Washington 98109-5541 (US). **DAVENPORT, Thaddeus M.**; 500 Fairview Ave N., Suite 560, Seattle, Washington 98109-5541 (US). **MOFFETT, Howell**; 500 Fairview Ave N., Suite 560, Seattle, Washington 98109-5541 (US). **WEITZNER, Brian**; 500 Fairview Ave N., Suite 560, Seattle, Washington 98109-5541 (US). **NG, Andrew Howen**; 500 Fairview Ave N., Suite 560, Seattle, Washington 98109-5541 (US). **SAMPLE, Paul Joseph**; 500 Fairview Ave N., Suite 560, Seattle, Washington 98109-5541 (US).

(74) Agent: **OWENS, Tom**; Wilson Sonsini, 650 Page Mill Road, Palo Alto, California 94304 (US).

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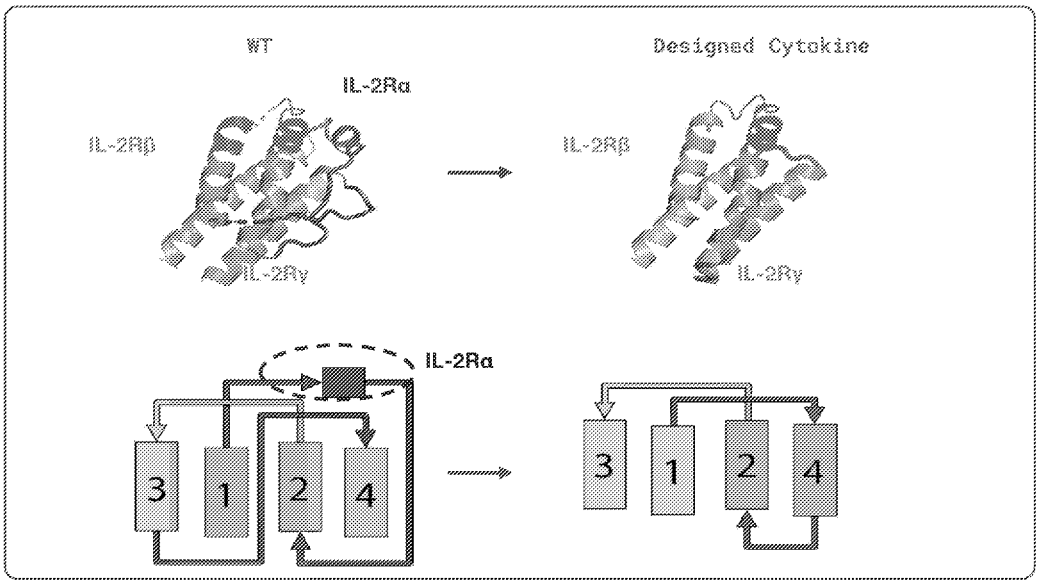


FIG. 1A

(57) Abstract: The disclosure provides a designed cytokine comprising alpha helices H1, H2, H3, and H4, wherein, from an amino terminus to a carboxy terminus, a first loop (L1) connects H1 and H4; a second loop (L2) connects H4 and H2; a third loop (L3) connects H2 and H3; and wherein the polypeptide binds to IL-2 receptor βγ (IL-2Rβγ).

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DESIGNED CYTOKINE COMPOSITIONS AND METHODS OF USE

CROSS-REFERENCE TO RELATED APPLICATIONS

[1] This application claims the benefit of U.S. Provisional Application No. 63/298,623, filed January 11, 2022; U.S. Provisional Application No. 63/479,176, filed January 9, 2023; U.S. Provisional Application No. 63/479,177, filed January 9, 2023; U.S. Provisional Application No. 63/479,178, filed January 9, 2023; all of which are incorporated herein in their entirety.

FIELD OF THE DISCLOSURE

[2] The disclosure relates to the fields of immunology, gene therapy, protein design, cell signaling, biologics and cellular therapies.

BACKGROUND

[3] IL-2 has shown promise as an anti-cancer immunotherapy, but efficacy and safety have been diminished by dose-limiting toxicity due to preferential stimulation of Treg cells and dose-limiting toxicity due to IL-2Rα binding. The disclosure provides a non-naturally occurring designed cytokine as a solution to this unmet need in the art.

SUMMARY

[4] The disclosure provides non-naturally occurring designed cytokines having enhanced function and improved stability when compared to wild type IL-2. Non-naturally occurring designed cytokines of the disclosure, also referred to herein as IL-2/15 cytokines named for their dual functionality of signaling through both the IL-2 and IL-15 receptors, reduce preferential Treg stimulation, potentiates T cell subtype targeting, stabilizes protein folding, and reduces immunogenicity. In some embodiments, designed cytokines eliminate preferential Treg stimulation. In some embodiments, designed cytokines eliminate immunogenicity. In some embodiments, designed cytokines provide enhanced function and improved stability with reduced post-translational modifications compared to the post-translational modifications made to wild type IL-2. In some embodiments, designed cytokines provide enhanced function and improved stability without post-translational modifications.

[5] The disclosure provides a Designed Cytokine comprising alpha helices H1, H2, H3, and H4, wherein: from an amino terminus to a carboxy terminus, a first loop (L1) connects H1 and H4; a second loop (L2) connects H4 and H2; a third loop (L3) connects H2 and H3; and wherein the polypeptide binds to IL-2 receptor βγ (IL-2Rβγ), also referred to as IL-2/15Rβγ. In some embodiments, the designed cytokine does not bind to IL-2 receptor alpha (IL-2Rα).

[6] In some embodiments of the Designed Cytokines of the disclosure, the Designed Cytokine comprises one or more of a sequence of SEQ ID NO: 1-350.

[7] In some embodiments of the Designed Cytokine of the disclosure, the polypeptide comprises one or more of: (a) a sequence of SEQ ID NO: 1-350 and (b) a sequence having at least 70% identity to a sequence of (a).

[8] In some embodiments of the Designed Cytokine of the disclosure, the polypeptide comprises a sequence of SEQ ID NO: 1-38 or 150-350.

[9] In some embodiments of the Designed Cytokine of the disclosure, the L3 loop comprises a sequence of QSKNFHLR (SEQ ID NO: 132).

[10] In some embodiments of the Designed Cytokine of the disclosure, the H1 helix comprises a sequence of SEQ ID NO: 39-51.

[11] In some embodiments of the Designed Cytokine of the disclosure, the H2 helix comprises a sequence of SEQ ID NO: 52-77.

[12] In some embodiments of the Designed Cytokine of the disclosure, the H3 helix comprises a sequence of SEQ ID NO: 78-97.

[13] In some embodiments of the Designed Cytokine of the disclosure, the H4 helix comprises a sequence of SEQ ID NO: 98-101.

[14] In some embodiments of the Designed Cytokine of the disclosure, the L1 loop comprises a sequence of SEQ ID NO: 102-111.

[15] In some embodiments of the Designed Cytokine of the disclosure, the L2 loop comprises a sequence of SEQ ID NO: 112-131.

[16] In some embodiments of the Designed Cytokine of the disclosure, the polypeptide comprises a sequence of SEQ ID NO: 1-38 or 150-350.

[17] In some embodiments of the Designed Cytokine of the disclosure, the polypeptide comprises the sequence of APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSLEDLK HLQALEEELKPLEEVLNLAQSKNFHLNPRDLISNINVLVLELK.

[18] In some embodiments of the Designed Cytokine of the disclosure, the polypeptide comprises the sequence of APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSLEDLK HLQALEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK.

[19] In some embodiments of the Designed Cytokine of the disclosure, the polypeptide comprises the sequence of APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSLEDLK HLQALEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK.

[20] In some embodiments of the Designed Cytokine of the disclosure, the polypeptide comprises the sequence of APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTLTAGGSL SGDLKHLQNLSEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK.

[21] In some embodiments of the Designed Cytokine of the disclosure, the polypeptide comprises the sequence of APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSVDPEE LAKELQKLEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK.

[22] In some embodiments of the Designed Cytokine of the disclosure, the polypeptide is operably linked to a targeting moiety. In some embodiments, the polypeptide comprises a targeting moiety. In some embodiments, a fusion protein comprises the polypeptide and a targeting moiety. In some embodiments, the targeting moiety binds to a component of a tumor microenvironment (TME). In some embodiments, the targeting moiety binds to one or more of T-cell surface glycoprotein CD8 (also known as cluster of differentiation 8), Programmed cell death protein 1 (PD-1), Programmed death-ligand 1 (PD-L1; also known as cluster of differentiation 274 (CD274) or B7 homolog 1 (B7-H1) polypeptide), T-cell immunoreceptor with Ig and ITIM domains (TIGIT), Cytotoxic T-lymphocyte protein 4 (CTLA4), Lymphocyte activation gene 3 protein (LAG3), T-cell immunoglobulin mucin receptor 3 (TIM3). In some embodiments, the targeting moiety binds CD8. In some embodiments, the targeting moiety binds PD-1. In some embodiments, the targeting moiety binds PD-L1. In some embodiments, the targeting moiety comprises an antibody, an antibody mimetic, or a functional fragment thereof. In some embodiments, the targeting moiety comprises one or more of a monoclonal antibody, an antigen-binding fraction (Fab), a single-chain variable fraction (scFv), a domain antibody, one or more of a heavy chain (VH) and a light chain (VL) domain of an immunoglobulin (Ig) polypeptide or gene encoding the same, a heavy-chain antibody (a VH or a VHH), a camelid or camelid-like structured antibody, and a nanobody. In some embodiments, the targeting moiety comprises a scFv. In some embodiments, the targeting moiety comprises a VHH.

[23] In some embodiments of the Designed Cytokine of the disclosure, the polypeptide is operably linked to a tether. In some embodiments, the polypeptide comprises a tether. In some embodiments, a fusion protein comprises the polypeptide and a tether. In some embodiments, the tether comprises one or more of a nucleic acid sequence, an amino acid sequence, a small molecule. In some embodiments, the tether comprises a sequence isolated or derived from a transmembrane sequence. In some embodiments, the tether comprises the sequence PLFIPVAVMVTAFSGLAFIIWLARRLKKGKK.

[24] In some embodiments of the Designed Cytokine of the disclosure, the polypeptide is operably linked to a second cytokine or a second Designed Cytokine. In some embodiments, the polypeptide comprises a second cytokine or a second Designed Cytokine. In some embodiments, a fusion protein comprises the polypeptide and a second cytokine or a second Designed Cytokine. I

[25] In some embodiments of the Designed Cytokine of the disclosure, the second cytokine comprises a sequence isolated or derived from one or more of an IL-2 polypeptide, an IL-12 polypeptide, an IL-15 polypeptide, an IL-18 polypeptide, an IL-21 polypeptide, an IL-23 polypeptide, an interferon alpha polypeptide, an interferon beta polypeptide, an interferon gamma polypeptide, and an interferon omega polypeptide. In some embodiments, the polypeptide comprises a first targeting moiety and the second cytokine comprises a second targeting moiety. In some embodiments, the first targeting moiety and the second targeting moiety are identical. In some embodiments, the first targeting moiety and the second targeting moiety are not identical.

[26] In some embodiments of the Designed Cytokine of the disclosure, the second Designed Cytokine comprises a sequence of any one or more of SEQ ID NO: 1-38 or 150-350. In some embodiments, the polypeptide comprises a first targeting moiety and the second Designed Cytokine comprises a second targeting moiety. In some embodiments, the first targeting moiety and the second targeting moiety are identical. In some embodiments, the first targeting moiety and the second targeting moiety are not identical.

[27] In some embodiments of the Designed Cytokine of the disclosure, the polypeptide comprises a first tether and the second cytokine comprises a second tether. In some embodiments, the first tether and the second tether are identical. In some embodiments, the first tether and the second tether are not identical.

[28] In some embodiments of the Designed Cytokine of the disclosure, the polypeptide comprises a first tether and the second Designed Cytokine comprises a second tether. In some embodiments, the first tether and the second tether are identical. In some embodiments, the first tether and the second tether are not identical.

[29] The disclosure provides a nucleic acid encoding the designed cytokine of the disclosure or a fusion protein comprising the designed cytokine of the disclosure. In some embodiments, the nucleic acid further comprises a regulatory element capable of driving expression of the designed cytokine. In some embodiments, the regulatory element comprises a promoter. In some embodiments, the promoter comprises a minimal promoter. In some embodiments, the minimal promoter comprises a sequence isolated or derived from one or more of minimal promoter-1 (“minP1”), YB-TATA and human beta globin. In some embodiments, the minP1 comprises a

sequence of AGAGGGTATATAAAAGCTCGACTTCCAG. In some embodiments, the minimal promoter comprises the sequence of TAGAGGGTATATAATGGGGGCCACTAGTCTACTACCAGAAAGCTTGGTACCGAGCT CGGATCCAGCCACC. In some embodiments, the minimal promoter comprises the sequence of CTAGAGGGTATATAATGGGGGCCACTAGTCTACTACCAGAAAGCTTGGTACCGAGC TCGGATCCAGCCACC. In some embodiments, the promoter is inducible. In some embodiments, the regulatory element comprises a response element. In some embodiments, the regulatory element comprises a noncoding or an untranslated sequence isolated or derived from one or more of NFAT, NFkB, REL, RELA, IRF2, GATA3 and ATF3. In some embodiments, the regulatory element comprises a noncoding or an untranslated sequence isolated or derived from a GATA3 gene. In some embodiments, the regulatory element comprises a noncoding or an untranslated sequence isolated or derived from RELA. In some embodiments, the response element comprises a repeated sequence.

[30] The disclosure provides a vector comprising a nucleic acid of the disclosure. In some embodiments, the vector comprises an expression vector. In some embodiments, the vector comprises a delivery vector. In some embodiments, the vector further comprises a sequence encoding an exogenous receptor. In some embodiments, the exogenous receptor comprises an antigen binding moiety. In some embodiments, the exogenous receptor comprises a T Cell Receptor (TCR). In some embodiments, the exogenous receptor comprises a chimeric antigen receptor (CAR). In some embodiments, the antigen is expressed on or secreted within one or more of a tumor cell, a cancer cell, a component of a TME, and a TME.

[31] In some embodiments of the disclosure, a vector is a non-viral vector. In some embodiments, a non-viral vector comprises one or more of a plasmid, a nucleic acid, a polymer, a micelle, a polymersome, an exosome, a lysosome, a nanoparticle, and any combination thereof.

[32] In some embodiments of the disclosure, a vector is a viral vector. In some embodiments, the viral vector comprise a sequence isolated or derived from a sequence of a virus, a lentivirus or a lentiviral vector.

[33] The disclosure provides a cell comprising a designed cytokine of the disclosure. The disclosure provides a cell comprising a nucleic acid of the disclosure. The disclosure provides a cell comprising a vector of the disclosure. In some embodiments of the disclosure, the cell is a mammalian cell. In some embodiments of the disclosure, the cell is a human cell. In some embodiments of the disclosure, the cell is a primary cell. In some embodiments of the disclosure, the cell is a cultured cell. In some embodiments, the cultured cell is an immortalized

cell. In some embodiments, the cell is ex vivo or in vitro. In some embodiments, the cell is in vivo. In some embodiments, the cell is an immune cell. In some embodiments, the cell is a stem cell or a precursor cell capable of producing the immune cell. In some embodiments, the stem cell is a hematopoietic stem cells (HSC), an induced pluripotent stem cell (iPSC) or a dedifferentiated immune cell. In some embodiments, the immune cell is a T lymphocyte (T cell), a B lymphocyte (B cell), a macrophage or a natural killer (NK) cell. In some embodiments, the immune cell is a T cell. In some embodiments, the T cell is an alpha beta T cell. In some embodiments, the T cell is a gamma delta T cell. In some embodiments, the immune cell is a NK cell.

[34] The disclosure provides a composition comprising a designed cytokine of the disclosure. The disclosure provides a composition comprising a nucleic acid of the disclosure. The disclosure provides a composition comprising a vector of the disclosure. The disclosure provides a composition comprising a cell of the disclosure.

[35] The disclosure provides a pharmaceutical composition comprising one or more of (1) a designed cytokine of the disclosure, a nucleic acid of the disclosure, a vector of the disclosure, and a cell of the disclosure and (2) a pharmaceutically acceptable carrier.

[36] The disclosure provides a use of a designed cytokine of the disclosure, a nucleic acid of the disclosure, a vector of the disclosure, a cell of the disclosure or a pharmaceutical composition of the disclosure in the manufacture of a medicament for the treatment of a disease or condition. In some embodiments, the disease or disorder comprises a cancer or a subtype thereof. In some embodiments, the cancer or the subtype thereof comprises a liquid cancer. In some embodiments, the cancer or the subtype thereof comprises a hematological cancer. In some embodiments, the cancer or the subtype thereof comprises a solid cancer.

[37] The disclosure provides a designed cytokine of the disclosure, a nucleic acid of the disclosure, a vector of the disclosure, a cell of the disclosure or a pharmaceutical composition of the disclosure for use in the treatment of a disease or condition. In some embodiments, the disease or disorder comprises a cancer or a subtype thereof. In some embodiments, the cancer or the subtype thereof comprises a liquid cancer. In some embodiments, the cancer or the subtype thereof comprises a hematological cancer. In some embodiments, the cancer or the subtype thereof comprises a solid cancer.

[38] The disclosure provides a method of treating a disease or disorder comprising administering to a subject an effective amount of a designed cytokine of the disclosure, a nucleic acid of the disclosure, a vector of the disclosure, a cell of the disclosure or a pharmaceutical composition of the disclosure, wherein a severity of a sign or symptom of the disease or disorder is decreased, thereby treating the disease or disorder. In some embodiments, the disease or

disorder comprises a cancer or a subtype thereof. In some embodiments, the cancer or the subtype thereof comprises a liquid cancer. In some embodiments, the cancer or the subtype thereof comprises a hematological cancer. In some embodiments, the cancer or the subtype thereof comprises a solid cancer.

[39] The disclosure provides a method of preventing a disease or a disorder, comprising administering to a subject an effective amount of a designed cytokine of the disclosure, a nucleic acid of the disclosure, a vector of the disclosure, a cell of the disclosure or a pharmaceutical composition of the disclosure, wherein an onset or a relapse of a sign or symptom of the disease or disorder is delayed or inhibited, thereby preventing the disease or disorder. In some embodiments, the disease or disorder comprises a cancer or a subtype thereof. In some embodiments, the cancer or the subtype thereof comprises a liquid cancer. In some embodiments, the cancer or the subtype thereof comprises a hematological cancer. In some embodiments, the cancer or the subtype thereof comprises a solid cancer.

BRIEF DESCRIPTION OF THE DRAWINGS

[40] FIG. 1A is a schematic diagram depicting a naturally occurring form of IL-2 (left) and an exemplary non-naturally occurring designed cytokine of the disclosure, in which one or more loops are redesigned to alter binding of the designed cytokine to the naturally-occurring or endogenous IL-2 receptor beta (IL-2Rβ) or IL-2 receptor gamma (IL-2Rγ, also known as the common gamma chain receptor), but not IL-2 receptor alpha (IL-2Rα). As shown in this diagram, in some embodiments, exemplary non-naturally occurring designed cytokines of the disclosure contain a sequence isolated or derived from a helix of an IL-2 cytokine with the connectivity of the designed cytokine either according to the 1-4-2-3 plan depicted herein or according to a structure of four helices connected by loops lacking the capacity to bind and/or activate the IL-2 receptor alpha by lacking an interface for binding to the IL-2 receptor alpha.

[41] FIG. 1B is a series of schematic diagram depicting on the left half, an updated diagram highlighting the interactions with each subunit of the IL-2 receptor that allow for IL-15 functionality and on the right half, a diagram according to FIG. 1A, showing a correspondence between the abstract schematic and the ribbon schematic. As depicted in this figure, not only does the designed cytokine lack an interface for binding and/or activating the alpha subunit of the IL-2 receptor, but also, the "helix 4" of the designed cytokine binds to the gamma subunit of the IL-2 receptor, which is shared with the IL-15 Receptor, and also, "helix 1" and "helix 3" of the designed cytokine bind to IL-2 receptor beta, which is also shared with the IL-15 Receptor. As a consequence, the designed cytokines of the disclosure have functionality through the IL-2 Receptor and/or the IL-15 Receptor.

[42] FIG. 2 is a schematic diagram depicting T cell subtype-specific IL-2 WT signaling. As shown in FIG. 1A-B, designed cytokines of the disclosure signal through one or more of the beta and gamma subunits of the IL-2 Receptor.

[43] FIG. 3A is a schematic diagram showing that designed cytokines of the disclosure, as beta/gamma binders, may target specific cell subtypes. Moreover, designed cytokines of the disclosure may be linked to or may comprise a targeting moiety. While the targeting moiety may bind to any target, including, but not limited to, an antigen present or expressed within a cell or other component of a tumor microenvironment (TME) such as CD8 or PDL1.

[44] FIG. 3B is a schematic diagram showing that designed cytokines of the disclosure, may target specific cell subtypes, as a result of (1) being designed as beta/gamma binders, (2) targeted to a cellular subtype, (3) tethered to a T cell or subtype thereof (*e.g.*, alpha-beta, gamma-delta, CD8+, CD4+, natural killer T cell (NKT cell)), or any combination thereof. Targeted designed cytokines may be linked to or comprise a targeting moiety, which may bind to any target, including, but not limited to, an antigen present or expressed within a cell or other component of a tumor microenvironment (TME) such as CD8 or PDL1. Tethered designed cytokines may be linked to or comprise a tether, which may comprise a nucleic acid, an amino acid, a small molecule or any combination thereof, and which may link the designed cytokine to cell (*e.g.*, T-cell, NK cell or other immune cell) expressing the designed cytokine or to any component of that cell. In some embodiments, the use of a targeting moiety may be advantageous to localize the designed cytokine or a cell expressing it to a solid tumor or to a TME for localized signaling from the designed cytokine (as opposed to systemic signaling from the designed cytokine). In some embodiments, the use of a tether may be advantageous to minimize bystander activity of cells proximal to either the target cell or to the cell expressing the designed cytokine. In some embodiments, the use of a tether may be advantageous for the treatment of liquid or hematological tumors. In some embodiments, the use of a tether may be advantageous for use with T cells, wherein the bystander cell may be a Natural Killer (NK) cell.

[45] FIG. 4 is a schematic diagram showing that designed cytokines of the disclosure lack an interface to bind and/or activate the alpha subunit of the IL-2 Receptor. Moreover, the ablation of this interface retains native interfaces for binding IL-2 Receptor beta and IL-2 Receptor gamma subunits that are shared between the IL-2 and IL-15 Receptors. The design of short and structured loops between helices increases protein stability when compared to the loop length, loop structure and/or protein stability of wild type (WT) IL-2.

[46] FIG. 5A is a pair of graphs demonstrating that of thirty-eight (38) designed cytokines tested alone with a WT IL-2 and a negative control, the common structural arrangement of the designed cytokines ablates IL-2 Receptor alpha biding in all designed cytokines (top) while

retaining signaling through the beta and gamma subunits of the IL-2 Receptor (the gamma subunit being shared with the IL-15 Receptor).

[47] FIG. 5B is a series graphs demonstrating that designed cytokines of the disclosure bind to IL-2/15Rβγ with very low nanomolar affinity. For each plot shown the affinity (measured in nanomolar (nm) concentration) of either WT IL2 (top) or a designed cytokine (bottom) when contacted with either IL-1Rα (left) or IL-2/15Rβγ (right) is show as a function of time (measured in seconds (s)). Compositions of either WT IL-2 or a designed cytokine were tested at between 0.9 nM and 3000 nM to generate these plots.

[48] FIG. 6 is a series graphs demonstrating that activity of designed cytokines of the disclosure may be tuned over a wide range. As used throughout the disclosure, designed cytokines may be "tuned" to perform optimally either within a desired cell type, a desired TME, a desired target cell, and/or a desired cytokine receptor (*e.g.,* a ratio of activity between IL-2 and IL-15). An initial design of a designed cytokine may comprise a sequence of the disclosure or a sequence having at least 70% identity thereto. An optimized design of a designed cytokine may comprise a sequence of the disclosure or a sequence having at least 70% identity thereto. An optimized design of a designed cytokine may comprise a sequence derived from a sequence of the disclosure that is generated according to the teachings provided by the disclosure. Top plot: cell proliferation was assessed by measuring the percentage of phosphorylated Signal transducer and activator of transcription 5 (STAT5) of CD8+ T cells following stimulation with antigen as a function of concentration of either WT IL-2 or designed cytokine provided (concentration measured as nanograms per milliliter (ng/ml)). Designed Cytokines of the disclosure may be "optimized" as shown in the top right plot to have a desired activity profile. With respect to the activity of binding IL-2/15Rβγ as opposed to IL-2Rα, the two bottom plots show that each Designed Cytokine binds to IL-2/15Rβγ with a distinct activity while no Designed Cytokine binds to IL-2Rα. In this figure, Design 1 = Designed Cytokine No. 169, Design 2 = Designed Cytokine No. 175, and Design 3 = Designed Cytokine No. 153.

[49] FIG. 7 is a series graphs demonstrating that Designed Cytokines do not have a regulatory T cell (Treg) preference when compared to WT IL-2, however, Designed Cytokines retain NK and CD8+ T cell activity. WT IL-2 (top plots) or Designed Cytokine (bottom plots) were contacted to CD8+ T cells, NK cells or Tregs and cell proliferation was assessed by measuring the percentage of phosphorylated Signal transducer and activator of transcription 5 (STAT5) of CD8+ T cells following stimulation with antigen as a function of concentration of either WT IL-2 or designed cytokine provided (shown as a nanomolar (nM) concentration). Two cell donors are shown (left versus right plots). Whereas the WT IL-2 favors activation of Tregs, the

Designed Cytokines demonstrate a reduced Treg potency that eliminates the WT IL-2 Treg preference.

[50] FIG. 8 is a graph demonstrating in vitro cell proliferation in the presence of 1 nanomolar (nM) WT IL-2 or Designed Cytokine. The measure on the Y-axis is a relative scale in which the cell expansion, measured as shown in FIG. 7, is normalized to WT activity (held at a value of 1.0). Within either a population of mixed peripheral blood mononuclear cells (PBMCs) or an isolated populations of NK cells or activated CD8+ T cells, respectively, Designed Cytokines eliminate the Treg preference shown by WT IL-2 while retaining the ability to proliferate NK and CD8+ T cells.

[51] FIG. 9 is a series graphs demonstrating that Designed Cytokines do not have a regulatory T cell (Treg) preference when compared to WT IL-2, however, Designed Cytokines retain NK and CD8+ T cell activity. For each plot, either WT IL-2 (top) or Designed Cytokines (bottom) were provided in vitro to mixed PBMCs (left), isolated NK cells (middle) and CD3/28-activated T cells, in nanomolar (nM) concentrations to measure fold expansion. Of note, the bottom left plot shows a significant right shift of the activity for Treg cells as the Designed Cytokine has a reduced potency for Treg cells when compared to WT IL-2.

[52] FIG. 10 is a schematic diagram and a graph demonstrating the enhanced activity of T cells expressing both a CAR and a Designed Cytokine of the disclosure. The schematic diagram depicts the experimental design that was used to generate the data displayed the graph. The fold expansion of cells mock transfected, transfected with only a chimeric antigen receptor (CAR), transfected with a CAR in combination with a WT IL-2 construct, or transfected with a CAR and a construct providing a Designed Cytokine of the disclosure were repeatedly stimulated by plate-bound antigen and, following each round, the fold expansion was assessed.

[53] FIG. 11 is a schematic diagram and a graph demonstrating that T-cell activation induced secretion of Designed Cytokines using inducible promoters capable of driving expression, conditionally, of the Designed Cytokine in response to antigen receptor signaling (*e.g.,* CAR or TCR) or cell state (stimulated T cell). Regulation of the expression and/or secretion of Designed Cytokines of the disclosure reduced systemic exposure in vivo and provides an advantageous safety profile for the Designed Cytokines.

[54] FIG. 12 is a schematic diagram and a graph demonstrating that, when compared to WT IL-2, incorporating short and structured loops within the Designed Cytokines increases the protein stability of the Designed Cytokine. The schematic diagram on the left depicts the structural differences of the loops in WT IL-2 versus the Designed Cytokines of the disclosure. The graph depicts protein unfolding/instability (measured by intrinsic fluorescence) as a function of function of increasing molar concentrations of guanidine hydrochloride ([GdnHCl

(M)]), an agent that denatures/unfolds proteins. The greater stability of the Designed Cytokine (circle data points) is illustrated by the lower fluorescence at higher concentrations (right shift) compared to the WT IL-2. As used throughout the disclosure, the label "WT IL-2 internal" is meant to describe a WT IL-2 having an identical sequence to commercially available WT IL-2 proteins, that was synthesized by the applicant.

[55] FIG. 13 is a graph demonstrating that two exemplary Designed Cytokines of the disclosure exhibit IL-15-like effects on NK cells in vitro. In this experiment, the activity of a commercially purchased WT IL-2 and the internally generated WT IL-2 were compared. A WT IL-15 polypeptide was used as a positive control and for a basis of comparison for IL-15-like, as opposed to IL-2-like effects.

[56] FIG. 14A is a series of schematic diagrams demonstrating that, in some embodiments, Designed Cytokines of the disclosure may be fused to a targeting moiety, or, described from another perspective, a fusion protein may comprise a Designed Cytokine and a targeting moiety. The right-most diagram depicts signaling *in trans*.

[57] FIG. 14B is a graph demonstrating that the use of the targeting moiety to localize the physical presence and/or signaling activity of the Designed Cytokine to, for example, a TME, does not impair any activity, receptor binding of or signaling from the Designed Cytokine. Within this graph, the percentage of total cells that bind Designed Cytokines are shown as a function of the nanomolar (nM) protein concentration the targeting moiety bound to the Designed Cytokine.

[58] FIG. 14C is a series of graphs demonstrating the use of targeting moieties with four exemplary Designed Cytokines of the disclosure. In each plot, the cell proliferative activity of each Targeted Designed Cytokine is measured as a percentage of phosphorylated PSTAT5+ cells as a function of the nanomolar concentration of the Targeted Designed Cytokine provided. The labels, "VHH-1" as opposed to "VHH-2" are meant to depict two VHH targeting moieties having distinct sequences.

[59] FIG. 15 is a series of schematic diagrams of two exemplary Designed Cytokines of the disclosure, contrasted against WT IL-2, demonstrating the structural differences between IL-2 and each Designed Cytokine. Moreover, the diagrams reflect structural modifications to each Designed Cytokine that result in functional changes to the protein. While each Designed Cytokine contains a helical initiator (e.g., a lysine (L)) at the front to the H4 helix, the "conjugation" Designed Cytokine which more easily conjugates with, for example, a targeting moiety, has an extended H2 helix and a shorter loop between the H4 and H2 helices. Both Designed Cytokines have a substitution at a position three amino acids from the inter-H2 helix loop, albeit, the substitution itself is distinct between these two Designed Cytokines.

[60] FIG. 16 is a series of graphs demonstrating that Designed Cytokine No. 201 shows no detectable binding to IL2Rα whereas WT IL-2 binds to IL2Rα with nanomolar affinity.

[61] FIG. 17A is a graph depicting two replicate experiments (the previous experiment shown in FIG. 6) side-by-side to demonstrate that activities of exemplary Designed Cytokines may be tuned over a wide range.

[62] FIG. 17B is a graph depicting the later replicate of the experiments shown in FIG 6 and FIG 17A.

[63] FIG. 18 is a series of graphs demonstrating the binding affinity (by Octet) of either WT IL-2 (left-hand plots) and two exemplary Designed Cytokines (middle and right-hand plots) to IL-2Rβγ.

[64] FIG. 19 is a series of graphs demonstrating the cell proliferative capacity of three exemplary Designed Cytokines when compared to WT IL-2 in three cell types (NK cells, Treg cells and CD8+ T cells).

[65] FIG. 20 is a pair of schematic diagrams and coordinating pairs of graphs demonstrating the *cis* versus *trans* targeting of Designed Cytokines of the disclosure by varying the binding preferences of the targeting moieties. As shown in the top schematic diagram and top row of graphs, PD-1 and CD8 mediate cis-targeting of activated T cells by Designed Cytokines of the disclosure. As shown in the bottom schematic diagram and bottom row of graphs, **PD-L1** mediates cis-targeting on activated cells and trans presentation of Designed Cytokines of the disclosure.

[66] FIG. 21A is a schematic diagram showing the experimental design used to generate data provided in FIGS. 21B and 21C. Briefly, CAR-T cells were sequentially challenged with H1975 tumor cells in the presence of recombinant Designed Cytokine, Designed Cytokine + binding domain to target (added separately at equimolar ratios), or targeted Designed Cytokine: Targeted Designed Cytokine No. 169 is fused to a VHH binding domain that binds either PD-L1, PD-1, or CD8.

[67] FIG. 21B is a pair of graphs, corresponding to two distinct T-cell donors, demonstrating the killing activity of PDL1-targeted Designed Cytokines of the disclosure.

[68] FIG. 21C is a pair of graphs, corresponding to two distinct T-cell donors, demonstrating the killing activity of PDL1-targeted Designed Cytokines of the disclosure.

[69] FIG. 21D is a pair of graphs, corresponding to two distinct T-cell donors, demonstrating the killing activity of CD8-targeted Designed Cytokines of the disclosure.

[70] FIG. 22A is a graph demonstrating the cell proliferation activity of Designed Cytokines derived from Designed Cytokine No. 153 in Natural Killer cells.

[71] FIG. 22B is a graph demonstrating the cell proliferation activity of Designed Cytokines derived from Designed Cytokine No. 153 in CD8+ T cells.

[72] FIG. 23A is a series of schematic diagrams depicting two vector (2V), single vector (1V) and autoregulation circuits incorporating an Inducible Designed Cytokine. In these schematics, the term "DC" is meant to describe a Designed Cytokine. In some embodiments, and in accordance with these diagrams, the expression of an Inducible Designed Cytokine is under the control of one or more response elements (RE Array) and a promoter sequence (which may be a minimal promoter sequence (pMin)). The Marker and the CAR elements in each 2V and 1V diagram are under the control of the MND promoter. In the autoregulation diagram, the expression of the CAR and the Designed Cytokine are under the control of an inducible promoter, which is active during periods of cell stimulation.

[73] FIG. 23B is a schematic diagram depicting the experimental design that was used to generate the data shown in FIG. 23C. In this experiment, CAR-T cells containing a vector or circuit depicted in 23A were stimulated by plate-bound antigen. WT IL-2 in the control or the Secreted Inducible Designed Cytokine was measured in the supernatant.

[74] FIG. 23C is a graph demonstrating that Inducible Designed Cytokines (DCs) show increased expression relative to Control, either CAR only (with no Designed Cytokine) or without antigen stimulation.

[75] FIG. 24 is a series of graphs demonstrating that exemplary Inducible Designed Cytokines retain target cell killing activity better than a CAR-only control after three sequential rounds of stimulation.

DETAILED DESCRIPTION

[76] The disclosure provides "designed cytokines" that are non-naturally occurring polypeptides of the disclosure, in accordance with the embodiments illustrated within the drawings and the sequences provided herein, that demonstrate functional benefits of IL-2 and IL-15. Accordingly, the "designed cytokines" may be referred to as "IL-2/15 Polypeptides" or "IL-2/15." These terms are interchangeable with "designed cytokines."

[77] The disclosure provides designed cytokines, preferably demonstrating one or more of the following attributes: (1) reduces or ablates binding of the designed cytokine to the alpha subunit of the IL-2 Receptor (IL-2Rα), optionally without post-translational modifications to the designed IL-2 polypeptide, (2) binds or retains binding of the designed IL-2 polypeptide to the beta and/or gamma subunit of the IL-2 Receptor (IL-2Rβ/γ), (3) preferentially stimulates or more potently stimulates T cell(s) expressing CD8 (CD8 T cells) more than stimulating regulatory T cell(s) (Treg), (4) preferentially stimulates or more potently stimulates Natural Killer (NK) cells than CD8 T cells, (5) enhances an activity of T cells expressing or secreting a

designed IL-2 polypeptide of the disclosure, (6) demonstrates stable folding of the designed IL-2 polypeptide into a protein in vitro or in vivo, (7) demonstrates reduced, minimal or an undetectable level immunogenicity when administered to a subject (*e.g.,* a mouse, another animal species or a human patient) when compared to the level of immunogenicity demonstrated by a wild type IL-2 protein under the same circumstances. Alternatively, or in addition, designed cytokines of the disclosure may (1) bind to an IL-15 Receptor (IL-15R), a beta subunit, or a gamma subunit thereof and/or (2) compete with an IL-15 cytokine, including WT IL-15, for binding to an IL-15R, a beta subunit, or a gamma subunit thereof.

[78] In some embodiments, designed cytokines of the disclosure (1) localize expression, translation, production and/or secretion of a designed IL-2 polypeptide of the disclosure to a tumor, target cell, and/or tumor microenvironment (TME), (2) target a TME, and/or (3) maintain localization at a TME. In some embodiments of designed cytokines of the disclosure, including those in which the polypeptide targets, localizes and/or maintains localization within a TME, the designed cytokine comprises a targeting moiety. In some embodiments, the targeting moiety comprises a nucleic acid, an amino acid, or a combination thereof which specifically binds to a target on or with the lymph node, the tumor, the tumor microenvironment, the site of malignancy or the site of metastasis, or in each case a cell thereof. In some embodiments, the fusion protein or the targeting moiety comprises an antibody, an antibody mimetic, or a functional fragment thereof. In some embodiments, the targeting moiety comprises an scFv, a VH or a VHH. In some embodiments, the targeting moiety comprises an scFv, a VH or a VHH that specifically or selectively binds to T-cell surface glycoprotein CD8 (also known as cluster of differentiation 8), Programmed cell death protein 1 (PD-1), Programmed death-ligand 1 (PD-L1; also known as cluster of differentiation 274 (CD274) or B7 homolog 1 (B7-H1) polypeptide), T-cell immunoreceptor with Ig and ITIM domains (TIGIT), Cytotoxic T-lymphocyte protein 4 (CTLA4), Lymphocyte activation gene 3 protein (LAG3), T-cell immunoglobulin mucin receptor 3 (TIM3).

[79] In some embodiments of designed cytokines of the disclosure, the designed cytokine comprises a "tether" to operably-link the designed cytokine to (1) a cell expressing the designed cytokine or (2) a cell delivering the designed cytokine to a target cell, an immune synapse and/or a TME. In some embodiments, the tether comprises a DNA, RNA, amino acid or any combination thereof. In some embodiments, the tether comprises a defined secondary structure. In some embodiments, the tether has a rigid structure. In some embodiments, the tether has a flexible conformation. In some embodiments, the tether has an elastic conformation. In some embodiments, the tether comprises a cleavable sequence. In some embodiments, the tether comprises a transmembrane sequence or a membrane anchoring sequence. In some

embodiments, the tether is optionally linked to the Designed Cytokine by a linker sequence. In some embodiments, the tether is optionally linked to the Designed Cytokine by a linker sequence comprising a "GS" linker. In some embodiments, the tether comprises a sequence of "PLFIPVAVMVTAFSGLAFIIWLARRLKKGKK."

[80] In some embodiments of designed cytokines of the disclosure, a construct comprises an inducible promoter capable of expressing a designed cytokine and a sequence encoding a designed cytokine. In some embodiments, the construct may further comprise a sequence encoding a targeting moiety. Alternatively, or in addition, in some embodiments, the construct may further comprise a sequence encoding a tether. In some embodiments, the construct may further comprise a linker positioned between the sequence encoding the designed cytokine and one or more of a sequence encoding a targeting moiety and a sequence encoding a tether.

[81] In some embodiments of designed cytokines of the disclosure, a fusion protein comprises a designed cytokine and either a targeting moiety or a tether. In some embodiments of the fusion protein, a linker is positioned between the designed cytokine and either the targeting moiety or the tether.

[82] In some embodiments of designed cytokines of the disclosure, an immune cell expresses a designed cytokine of the disclosure. In some embodiments, the immune cell secretes the designed cytokine. In some embodiments, the designed cytokine comprises a tether and contacts to the immune cell. In some embodiments, the tethered designed cytokine contacts a plasma membrane of the immune cell or a component thereof. In some embodiments, the tethered designed cytokine contacts an exterior surface of the plasma membrane of the immune cell.

[83] In some embodiments, designed cytokines of the disclosure are capable of being expressed in a vector alone, or in combination, with one or more of an antigen receptor (*e.g.,* a T cell receptor (TCR), a chimeric antigen receptor (CAR), or any combination thereof). In some embodiments, the vector comprises a viral vector. In some embodiments, the vector comprises a non-viral vector. In some embodiments, the vector consists of a single vector. In some embodiments, a viral vector comprises a sequence comprising a sequence encoding the designed cytokine and a sequence encoding an antigen receptor (*e.g.,* a T cell receptor (TCR), a chimeric antigen receptor (CAR), or any combination thereof). In some embodiments, a single viral vector comprises a sequence comprising a sequence encoding the designed cytokine and a sequence encoding an antigen receptor (*e.g.,* a T cell receptor (TCR), a chimeric antigen receptor (CAR), or any combination thereof). In some embodiments, the viral vector comprises a sequence isolated or derived from a lentiviral vector. In some embodiments, the viral vector comprises a lentiviral vector.

Function of Designed Cytokines

[84] The disclosure provides designed cytokines demonstrating functional benefits of IL-2 and IL-15. The disclosure provides designed cytokines, preferably demonstrating one or more of the following attributes: (1) reduces or ablates binding of the designed cytokine to the alpha subunit of the IL-2 Receptor (IL-2Rα), optionally without post-translational modifications to the designed IL-2 polypeptide, (2) binds or retains binding of the designed IL-2 polypeptide to the beta and/or gamma subunit of the IL-2 Receptor (IL-2Rβ/γ), (3) preferentially stimulates or more potently stimulates T cell(s) expressing CD8 (CD8 T cells) more than stimulating regulatory T cell(s) (Treg), (4) preferentially stimulates or more potently stimulates Natural Killer (NK) cells than CD8 T cells, (5) enhances an activity of T cells expressing or secreting a designed IL-2 polypeptide of the disclosure, (6) demonstrates stable folding of the designed IL-2 polypeptide into a protein in vitro or in vivo, (7) demonstrates reduced, minimal or an undetectable level immunogenicity when administered to a subject (*e.g.*, a mouse, another animal species or a human patient) when compared to the level of immunogenicity demonstrated by a wild type IL-2 protein under the same circumstances. Alternatively, or in addition, designed cytokines of the disclosure may (1) bind to an IL-15 Receptor (IL-15R), a beta subunit, or a gamma subunit thereof and/or (2) compete with an IL-15 cytokine, including WT IL-15, for binding to an IL-15R, a beta subunit, or a gamma subunit thereof.

[85] Wild type IL-2 and IL-15 both stimulate signaling through IL-2/15Rβ (also referred to IL-2Rβ) and common IL-2/15Rγ chains (also referred to as IL-2Rγ); IL-2 and IL-15 both bind to and activate signaling through the heterodimeric βγ receptor complex, IL-2/15Rβγ (also referred to as IL-2Rβγ), and their unique biology is principally driven through respective interactions with IL-2Rα (cis presentation) and IL-15Rα (trans presentation). Designed IL-2 polypeptides of the disclosure (also known as IL-2/15 polypeptides of the disclosure) agonize the βγ receptor pair that is shared by IL-2 and IL-15, while avoiding IL-2Rα and IL-15Rα. Therefore, designed IL-2/15 polypeptides of the disclosure may demonstrate activities of both IL-2 and IL-15 when expressed by different cell types or when contacting different cell types.

[86] IL-2 and IL-15 stimulate diverse types of lymphocytes and natural killer cells. Among the distinct functions between these two cytokines, IL-2 mediates regulatory T cell homeostasis and regulates T helper (TH) differentiation. Moreover, IL-15 mediates expansion of CD8 memory T cells, NK cells, and NK T cells. Designed IL-2/15 polypeptides of the disclosure may demonstrate one or more activities of IL-2 and IL-15 in a particular cell type.

Tuned or Optimized Designed Cytokines

[87] Designed Cytokines of the disclosure may be "tuned" or "optimized" with respect to an activity of the cytokine. Designed Cytokines of the disclosure may be "tuned" or "optimized" to demonstrate a preferred ratio of an IL-2 activity to an IL-15 activity. In some embodiments,

Designed Cytokines may be tuned to achieve particular thresholds of activity of a wild type IL-2 polypeptide and particular thresholds of activity of a wild type IL-15 polypeptide. In some embodiments, tuning of an IL-2/15 polypeptide of the disclosure does not comprise a change to the structure of a Designed Cytokine (*e.g.*, the 1-4-2-3 arrangement of its helices). In some embodiments, tuning of a Designed Cytokine of the disclosure comprises one or more of (1) modifying a sequence of a Designed Cytokine or a portion thereof (*e.g.*, an alpha helix, a loop, or a combination thereof), (2) modifying a physical length of a folded Designed Cytokine or a portion thereof (e.g., an alpha helix, a loop, or a combination thereof), (3) inserting a new sequence into an existing sequence of a Designed Cytokine or a portion thereof (*e.g.*, an alpha helix, a loop, or a combination thereof), and/or (4) removing a sequence of a Designed Cytokine or a portion thereof (*e.g.*, an alpha helix, a loop, or a combination thereof). In some embodiments, a tuned Designed Cytokine of the disclosure comprises a sequence having at least 70%, 75%, 80%, 85%, 90%, 95%, 97%, 99%, or any percentage identity in between when compared to a Designed Cytokine of the disclosure not subjected to the tuning process. In some embodiments, a tuned Designed Cytokine of the disclosure comprises a sequence isolated or derived from an IL-15 sequence.

[88] The disclosure provides Designed Cytokine (formerly known as "IL-2/15 polypeptides") that may be "tuned" or "optimized" with respect to any activity of the cytokine, to demonstrate a threshold of activity in one or more cell types. In some embodiments, tuning or optimizing a Designed Cytokine of the disclosure for use in a cell type does not comprise a change to the structure of the Designed Cytokine (*e.g.*, the 1-4-2-3 arrangement of its helices). In some embodiments, optimizing a Designed Cytokine of the disclosure for use in a cell type comprises one or more of (1) modifying a sequence of a Designed Cytokine or a portion thereof (*e.g.*, an alpha helix, a loop, or a combination thereof), (2) modifying a physical length of a folded Designed Cytokine or a portion thereof (e.g., an alpha helix, a loop, or a combination thereof), (3) inserting a new sequence into an existing sequence of a Designed Cytokine or a portion thereof (*e.g.*, an alpha helix, a loop, or a combination thereof), and/or (4) removing a sequence of a Designed Cytokine or a portion thereof (*e.g.*, an alpha helix, a loop, or a combination thereof). In some embodiments, an optimized Designed Cytokine of the disclosure comprises a sequence having at least 70%, 75%, 80%, 85%, 90%, 95%, 97%, 99%, or any percentage identity in between when compared to a Designed Cytokine of the disclosure not subjected to the optimizing process. In some embodiments, an optimized Designed Cytokine of the disclosure comprises a sequence isolated or derived from an IL-15 sequence.

Combinations of Designed Cytokines

[89] In some embodiments of the disclosure, Designed Cytokines may be used in combination with or operably linked to a second cytokine or a second Designed Cytokine. In some embodiments, a Designed Cytokine and a second cytokine or a second Designed Cytokine may be independently modified, regulated and/or targeted. In some embodiments, a Designed Cytokine and a second cytokine or a second Designed Cytokine may be coordinated in one or more of modification, regulation and/or targeting.

[90] In some embodiments, a Designed Cytokine of the disclosure may be used in combination with any cytokine, whether naturally occurring or modified. In some embodiments, a Designed Cytokine of the disclosure may be used in combination with one or more of an IL-2 polypeptide, an IL-12 polypeptide, an IL-15 polypeptide, an IL-18 polypeptide, an IL-21 polypeptide, an IL-23 polypeptide, and an interferon polypeptide (including, but not limited to, an interferon alpha, beta, gamma and/or omega polypeptide). In some embodiments, a Designed Cytokine of the disclosure may be used in combination with an IL-2 polypeptide. In some embodiments, a Designed Cytokine of the disclosure may be used in combination with an IL-12 polypeptide. In some embodiments, a Designed Cytokine of the disclosure may be used in combination with an IL-15 polypeptide. In some embodiments, a Designed Cytokine of the disclosure may be used in combination with an IL-18 polypeptide. In some embodiments, a Designed Cytokine of the disclosure may be used in combination with an IL-21 polypeptide. In some embodiments, a Designed Cytokine of the disclosure may be used in combination with an IL-23 polypeptide. In some embodiments, a Designed Cytokine of the disclosure may be used in combination with an interferon alpha polypeptide. In some embodiments, a Designed Cytokine of the disclosure may be used in combination with an interferon beta polypeptide. In some embodiments, a Designed Cytokine of the disclosure may be used in combination with an interferon gamma polypeptide. In some embodiments, a Designed Cytokine of the disclosure may be used in combination with an interferon omega polypeptide. In some embodiments, the second cytokine comprises a wild type sequence. In some embodiments, the second cytokine does not comprise a wild type sequence. In some embodiments, the second cytokine comprises one or more modifications to alter an activity of the cytokine towards one or more cytokine receptors.

[91] In some embodiments, a Designed Cytokine of the disclosure may be used in combination with a second Designed Cytokine of the disclosure to generate a combination of a first Designed Cytokine and a second Designed Cytokine.

[92] In some embodiments of the disclosure, a Designed Cytokine may be expressed with a second cytokine or a second Designed Cytokine of the disclosure. In some embodiments, the expression may be simultaneous. In some embodiments, the expression may be sequential. In

some embodiments, the expression may be regulated or inducible with the use of an inducible promoter of the disclosure.

[93] In some embodiments of the disclosure, a Designed Cytokine may be secreted with a second cytokine or a second Designed Cytokine of the disclosure. In some embodiments, the secretion may be simultaneous. In some embodiments, the secretion may be sequential. In some embodiments, the secretion may be regulated or inducible with the use of an inducible promoter of the disclosure.

[94] In some embodiments of the disclosure, a Designed Cytokine may be operably linked to a second cytokine or a second Designed Cytokine of the disclosure. In some embodiments, a Designed Cytokine and a second cytokine or a second Designed Cytokine may be operably linked via a linker sequence. In some embodiments, the linker sequence comprises a nucleic acid, an amino acid, a small molecule or any combination thereof. In some embodiments, the linker is rigid. In some embodiments, the linker is flexible. For example, a linker sequence may comprise a "GS" sequence of any length.

[95] In some embodiments, a Designed Cytokine and a second cytokine or a second Designed Cytokine may be operably linked via a targeting moiety of the disclosure. In some embodiments, a Designed Cytokine and a second cytokine or a second Designed Cytokine may be operably linked to the same targeting moiety. In some embodiments, a composition comprising a Designed Cytokine and a second cytokine or a second Designed Cytokine may comprise the same targeting moiety. In some embodiments, a Designed Cytokine may comprise a first targeting moiety and a second cytokine or a second Designed Cytokine may comprise a second targeting moiety. In some embodiments, the first targeting moiety and the second targeting moiety bind the same target. In some embodiments, the first targeting moiety and the second targeting moiety do not bind the same target. In some embodiments, the first targeting moiety and the second targeting moiety are identical. In some embodiments, the first targeting moiety and the second targeting moiety not identical.

[96] In some embodiments, a Designed Cytokine and a second cytokine or a second Designed Cytokine may be operably linked via a tether of the disclosure. In some embodiments, a Designed Cytokine and a second cytokine or a second Designed Cytokine may be operably linked to the same tether. In some embodiments, a composition comprising a Designed Cytokine and a second cytokine or a second Designed Cytokine may comprise the same tether. In some embodiments, a Designed Cytokine may comprise a first tether and a second cytokine or a second Designed Cytokine may comprise a second tether. In some embodiments, the first tether and the second tether bind the same target. In some embodiments, the first tether and the second

tether do not bind the same target. In some embodiments, the first tether and the second tether are identical. In some embodiments, the first tether and the second tether not identical.

[97] In some embodiments, a Designed Cytokine is operably linked to one or more of an IL-2 polypeptide, an IL-12 polypeptide, an IL-15 polypeptide, an IL-18 polypeptide, an IL-21 polypeptide, an IL-23 polypeptide, and an interferon polypeptide (including, but not limited to, an interferon alpha, beta, gamma and/or omega polypeptide). In some embodiments, a Designed Cytokine is operably linked to an IL-21 polypeptide.

Targeted Designed Cytokines

[98] In some embodiments of the disclosure, Designed Cytokines target, localize to or remain active at one or more of a target cell, a target cell type, an organ, a lymph node, a tumor (including, but not limited to, liquid tumors, hematological cancers, and solid tumors), a biological microenvironment, a tumor microenvironment (TME), a site of malignancy, a site of metastasis, a site of vascularization of a tumor, and any combination thereof. In some embodiments, a fusion protein comprises a Designed Cytokine that targets, localizes to or remains active at one or more of a target cell, a target cell type, an organ, a lymph node, a tumor (including, but not limited to, liquid tumors, hematological cancers, and solid tumors), a biological microenvironment, a tumor microenvironment (TME), a site of malignancy, a site of metastasis, a site of vascularization of a tumor, and any combination thereof. In some embodiments, a Designed Cytokine comprises a targeting moiety. In some embodiments, a Designed Cytokine is operably linked to a targeting moiety. In some embodiments, a Designed Cytokine is operably linked to a targeting moiety by one or more of a covalent bond, a noncovalent bond, hybridization, dimerization, complex formation, a linker and a tether. In some embodiments, a Designed Cytokine is operably linked to a targeting moiety by a linker comprising one or more of a nucleic acid sequence, an amino acid sequence, a small molecule (organic or inorganic) and any combination thereof. In some embodiments, a Designed Cytokine is operably linked to a targeting moiety by a tether comprising one or more of a nucleic acid sequence, an amino acid sequence, a small molecule (organic or inorganic) and any combination thereof. In some embodiments, a Designed Cytokine is operably linked to a targeting moiety by a tether that is attached to a component of one or more of a target cell, a target cell type, an organ, a lymph node, a tumor (including, but not limited to, liquid tumors, hematological cancers, and solid tumors), a biological microenvironment, a tumor microenvironment (TME), a site of malignancy, a site of metastasis, a site of vascularization of a tumor, and any combination thereof. In some embodiments, a Designed Cytokine is operably linked to a targeting moiety by a tether that is attached to a component of an immune cell expressing or secreting the Designed Cytokine.

[99] In some embodiments of the disclosure, a targeting moiety comprises a nucleic acid, an amino acid, or a combination thereof which specifically binds to a component of one or more of a target cell, a target cell type, an organ, a lymph node, a tumor (including, but not limited to, liquid tumors, hematological cancers, and solid tumors), a biological microenvironment, a tumor microenvironment (TME), a site of malignancy, a site of metastasis, a site of vascularization of a tumor, and any combination thereof. In some embodiments, a targeting moiety comprises a binding domain, a protein scaffold, an antibody, an antibody mimetic, and/or a functional fragment thereof. In some embodiments, a targeting moiety comprises a sequence, which may be isolated or derived from any species, including but not limited to, human, non-human primate, rodent (including, but not limited to, mouse), and camelid species. In some embodiments, a targeting moiety comprises a sequence, which may be humanized, chimeric, recombinant, non-naturally occurring, modified (for example, to include synthetic nucleic acids or synthetic amino acids), optimized (for example, to reduce immunogenicity and/or aggregation during manufacturing).

[100] In some embodiments of the disclosure, a targeting moiety comprises an antibody, including, but not limited to, a monoclonal antibody, an antigen-binding fraction (Fab), a single-chain variable fraction (scFv), a domain antibody, one or more of a heavy chain (VH) and a light chain (VL) domain of an immunoglobulin (Ig) polypeptide or gene encoding the same, a heavy-chain antibody (a VH or a VHH), a camelid or camelid-like structured antibody, and a nanobody. In some embodiments, a targeting moiety comprises an scFv, a VH or a VHH. In some embodiments, a targeting moiety comprises an scFv, a VH or a VHH that specifically or selectively binds to a target including, but not limited to, T-cell surface glycoprotein CD8 (also known as cluster of differentiation 8), Programmed cell death protein 1 (PD-1), Programmed death-ligand 1 (PD-L1; also known as cluster of differentiation 274 (CD274) or B7 homolog 1 (B7-H1) polypeptide), T-cell immunoreceptor with Ig and ITIM domains (TIGIT), Cytotoxic T-lymphocyte protein 4 (CTLA4), Lymphocyte activation gene 3 protein (LAG3), and T-cell immunoglobulin mucin receptor 3 (TIM3).

[101] In some embodiments of the disclosure, a targeting moiety comprises an antibody mimetic, including, but not limited to, one or more of an engineered protein scaffold, a monobody, an affibody molecule, an adnectin molecule, an affimer molecule, an affitin molecule, an affilin molecule, an alphabody molecule, an anticalin molecule, an aptamer molecule, an atrimer molecule, an avimer molecule, a DARPin molecule, a fynomer, an armadillo repeat protein molecule, a Kunitz domain inhibitor molecule, a knottin molecule, a designed ankyrin repeat protein molecule, a nanofittin molecule and a centyrin molecule. In some embodiments, a targeting moiety comprises an antibody mimetic that specifically or

selectively binds to a target including, but not limited to, T-cell surface glycoprotein CD8 (also known as cluster of differentiation 8), Programmed cell death protein 1 (PD-1), Programmed death-ligand 1 (PD-L1; also known as cluster of differentiation 274 (CD274) or B7 homolog 1 (B7-H1) polypeptide), T-cell immunoreceptor with Ig and ITIM domains (TIGIT), Cytotoxic T-lymphocyte protein 4 (CTLA4), Lymphocyte activation gene 3 protein (LAG3), and T-cell immunoglobulin mucin receptor 3 (TIM3).

Inducible Designed Cytokines

[102] The disclosure provides a nucleic acid encoding a non-naturally occurring polypeptide of the disclosure. In some embodiments, a promoter or an inducible promoter capable of driving expression in a mammalian cell controls expression of the nucleic acid encoding a Designed Cytokine of the disclosure.

[103] In some embodiments, an inducible promoter of the disclosure comprises a minimal promoter. In some embodiments, a minimal promoter of the disclosure comprises a sequence isolated or derived from one or more of minimal promoter-1 ("minP1"), YB-TATA and human beta globin. In some embodiments, the minimal promoter comprises one or more of "minP1" having a sequence of AGAGGGTATATAAAAGCTCGACTTCCAG, "minP2" having a sequence of TAGAGGGTATATAATGGGGGCCACTAGTCTACTACCAGAAAGCTTGGTACCGAGCT CGGATCCAGCCACC and "minP3" having a sequence of CTAGAGGGTATATAATGGGGGCCACTAGTCTACTACCAGAAAGCTTGGTACCGAGC TCGGATCCAGCCACC.

[104] In some embodiments, an inducible promoter of the disclosure comprises a sequence isolated or derived from a coding or noncoding sequence of a gene related to one or more of BACH2, BARX1, BATF, ELF1, ELF2, Elf4, Elk1, ERF, ETV1, Fli1, FOXP1, GABPA, GATA3, IRF1, IRF2, IRF5, IRF7, IRF9, MAF, MAFF, Maz, Mef2d, MLX, MYB, NFAT, NFATC3, NFkB, NR4A1, Nur77, PATZ1, REL, RELA, RORa, RORg, RORgt, STAT2, Tbox, TFEB, TOX, USF1, ZBTB2, ZKSCAN3, ZNF12, ZNF140, ZNF263, ZNF282, ZNF304, ZNF398, ZNF708, and ZNF75D. In some embodiments, an inducible promoter of the disclosure comprises a sequence isolated or derived from a coding or noncoding sequence of a gene related to NFAT, NFkB, REL, RELA, IRF2, GATA3 and ATF3. In some embodiments, an inducible promoter of the disclosure comprises a sequence isolated or derived from a coding or noncoding sequence of a gene related to NFAT. In some embodiments, an inducible promoter of the disclosure comprises a sequence isolated or derived from a coding or noncoding sequence of a gene related to NFkB. In some embodiments, an inducible promoter of the disclosure comprises a sequence isolated or derived from a coding or noncoding sequence of a gene related

to REL. In some embodiments, an inducible promoter of the disclosure comprises a sequence isolated or derived from a coding or noncoding sequence of a gene related to RELA. In some embodiments, an inducible promoter of the disclosure comprises a sequence isolated or derived from a coding or noncoding sequence of a gene related to IRF2. In some embodiments, an inducible promoter of the disclosure comprises a sequence isolated or derived from a coding or noncoding sequence of a gene related to GATA3. In some embodiments, an inducible promoter of the disclosure comprises a sequence isolated or derived from a coding or noncoding sequence of a gene related to ATF3.

[105] In some embodiments, an inducible promoter of the disclosure comprises a response element and/or an enhancer sequence. In some embodiments, the response element and/or an enhancer sequence comprises a sequence isolated or derived from a coding or noncoding sequence of a gene related to one or more of BACH2, BARX1, BATF, ELF1, ELF2, Elf4, Elk1, ERF, ETV1, Fli1, FOXP1, GABPA, GATA3, IRF1, IRF2, IRF5, IRF7, IRF9, MAF, MAFF, Maz, Mef2d, MLX, MYB, NFAT, NFATC3, NFkB, NR4A1, Nur77, PATZ1, REL, RELA, RORa, RORg, RORgt, STAT2, Tbox, TFEB, TOX, USF1, ZBTB2, ZKSCAN3, ZNF12, ZNF140, ZNF263, ZNF282, ZNF304, ZNF398, ZNF708, and ZNF75D. In some embodiments, the response element and/or an enhancer sequence comprises a sequence isolated or derived from a coding or noncoding sequence of a gene related to one or more of NFAT, NFkB, REL, RELA, IRF2, GATA3 and ATF3. In some embodiments, the response element and/or an enhancer sequence comprises a sequence isolated or derived from NFAT. In some embodiments, the response element and/or an enhancer sequence comprises a sequence isolated or derived from NFkB. In some embodiments, the response element and/or an enhancer sequence comprises a sequence isolated or derived from REL. In some embodiments, the response element and/or an enhancer sequence comprises a sequence isolated or derived from RELA. In some embodiments, the response element and/or an enhancer sequence comprises a sequence isolated or derived from IRF2. In some embodiments, the response element and/or an enhancer sequence comprises a sequence isolated or derived from GATA3. In some embodiments, the response element and/or an enhancer sequence comprises a sequence isolated or derived from ATF3.

[106] In some embodiments, an inducible promoter of the disclosure comprises two or more response elements and/or an enhancer sequences. In some embodiments, an inducible promoter of the disclosure comprises at least 2, 3, 4, 5, 6, 7, 8, 9, or 10 response elements and/or an enhancer sequences. In some embodiments, the repeated response elements and/or enhancer sequences are identical. In some embodiments, the repeated response elements and/or enhancer sequences are not identical.

[107] In some embodiments, an inducible promoter of the disclosure does not comprise the combination of: (1) a Nuclear factor of activated T-cells (NFAT) sequence, a Interferon Regulatory Factor 4 (IRF4) sequence, a activating protein 1 (AP-1)–IRF composite elements (AICE) sequence, or a Interferon Stimulation Response Element (ISRE) sequence; and (2) a human beta globin sequence. In some embodiments, an inducible promoter of the disclosure does not comprise the sequence of GGAGGAAAAACTGTTTCATACAGAAGGCGTGGAGGAAAAACTGTTTCATACAGAA GGCGTGGAGGAAAAACTGTTTCATACAGAAGGCGTGGAGGAAAAACTGTTTCATAC AGAAGGCGTGAATTCAGGGCTGGGCATAAAAGTCAGGGCAGAGCCATCTATTGCTT ACATTTGCTTCTGACACAACTGTGTTCACTAGCAACCTCAAACAGACACC. As used throughout the disclosure, an AICE sequence comprises or consists of sequences isolated or derived from IRF4 or IRF8, each with BATF. In some embodiments, the AICE sequences may be derived from the untranslated region of IRF4, IRF8, and/or BATF. As used throughout the disclosure, an ISRE sequence comprises a consensus sequence of "YAGTTTC(A/T)YTTTYCC" in which "Y" is either C or T.

[108] In some embodiments, an inducible promoter of the disclosure does not comprise the combination of: (1) an NFAT sequence and (2) a YB-TATA sequence. In some embodiments, an inducible promoter of the disclosure does not comprise the sequence of GGAGGAAAAACTGTTTCATACAGAAGGCGTGGAGGAAAAACTGTTTCATACAGAA GGCGTGGAGGAAAAACTGTTTCATACAGAAGGCGTGGAGGAAAAACTGTTTCATAC AGAAGGCGTGAATTCCTAGAGGGTATATAATGGGGGCCACTAGTCTACTACCAGAA AGCTTGGTACCGAGCTCGGATCCAGCCACC.

[109] In some embodiments, an inducible promoter of the disclosure comprises one or more transcription factor binding motif(s). In some embodiments, an inducible promoter of the disclosure comprises a concatemer of two or more repeated sequences, wherein the repeated sequences may comprise the one or more transcription factor binding motif(s). In some embodiments, the two or more repeated sequences are identical. In some embodiments, the two or more repeated sequences are not identical. In some embodiments, a concatemer comprises a linking sequence positioned between the repeated sequences. In some embodiments, the linking sequence may comprise one or more of: TACGCT, TGATCT, TGCTTT, and TGCCCGT.

[110] In some embodiments, an inducible promoter of the disclosure comprising a concatemer binds more than one unique transcription factor. Alternatively, or in addition, in some embodiments, an inducible promoter of the disclosure comprising a concatemer binds the same transcription factor at more than one site.

[111] In some embodiments, an inducible promoter of the disclosure comprising one or more transcription factor binding motifs, optionally, organized as a concatemer, comprises a sequence according to the consensus sequences provided in Table 16.

[112] In some embodiments, an inducible promoter of the disclosure comprising one or more transcription factor binding motifs, optionally, organized as a concatemer, comprises a sequence selected from any one or more of the sequences in Table 18.

[113] In some embodiments, an inducible promoter of the disclosure comprising a concatemer comprises a sequence according to any one or more of the sequences of Table 19.

[114] In some embodiments, an inducible promoter of the disclosure comprises a pairing of an enhancer sequence and a promoter sequence (an E-P Pairing). In some embodiments, an inducible promoter of the disclosure comprising one or more E-P Pairings comprises a sequence of Table 17.

[115] In some embodiments, designed cytokines of the disclosure are operably coupled to any of the nucleic acid constructs disclosed in U.S. Provisional Application Nos. 63/479,176, 63/479,177, and 63/479,178, which are hereby incorporated by reference in their entireties.

Structure of Designed Cytokines

[116] The disclosure provides a non-naturally occurring Designed Cytokine (formerly referred to as aninterleukin-2/15 (IL-2/15) polypeptide) comprising alpha helices H1, H2, H3, and H4, wherein, from an amino terminus to a carboxy terminus, a first loop (L1) connects H1 and H4; a second loop (L2) connects H4 and H2; a third loop (L3) connects H2 and H3. In some embodiments, the Designed Cytokine binds to the beta (β) and/or gamma (γ) subunits of the IL-2 receptor. In some embodiments, the Designed Cytokine binds to IL-2 receptor β/γ heterodimer (IL-2Rβ/γ) as a heterodimeric receptor.

[117] In some embodiments of the Designed Cytokines of the disclosure, the Designed Cytokine comprises one or more of a sequence of SEQ ID NO: 1-350.

[118] In some embodiments of the Designed Cytokines of the disclosure, the Designed Cytokine comprises one or more of a sequence of SEQ ID NO: 1-38 or 150-350.

[119] In some embodiments of the Designed Cytokines of the disclosure, the Designed Cytokine comprises a sequence isolated or derived from an IL-2 polypeptide. In some embodiments, the IL-2 polypeptide is a wild type polypeptide. In some embodiments, the IL-2 polypeptide comprises the sequence of SEQ ID NO: 500 below. In some embodiments, a Designed Cytokine of the disclosure may be used combination with an IL-2 polypeptide, including an IL-2 polypeptide having the sequence of SEQ ID NO: 500 below.

[120] Native human (hIL-2) comprises the sequence of (SEQ ID NO: 500):

1 APTSSSTKKT QLQLEHLLLD LQMILNGINN YKNPKLTRML TFKFYMPKKA TELKHLQCLE

61 EELKPLEEVL NLAQSKNFHL RPRDLISNIN VIVLELKGSE TTFMCEYADE TATIVEFLNR
121 WITFCQSIIS TLT.

[121] hIL-2 has four helices connected by long irregular loops. The N-terminal helix (H1) interacts with both the beta and gamma subunits, the third helix (H3) interacts with the beta subunit, and the C-terminal helix (H4) with the gamma subunit; the alpha subunit interacting surface is formed by the irregular second helix (H2) and two long loops, one connecting H1 to H2 and the other connecting H3 and H4.

[122] In some embodiments of the Designed Cytokines of the disclosure, the Designed Cytokine comprises a sequence isolated or derived from an IL-15 polypeptide. In some embodiments, the IL-15 polypeptide is a wild type polypeptide. In some embodiments, the IL-15 polypeptide comprises the sequence of SEQ ID NO: 501 below. In some embodiments, a Designed Cytokine of the disclosure may be used combination with an IL-15 polypeptide, including an IL-15 polypeptide having the sequence of SEQ ID NO: 501 below.

[123] Native human IL-15 (hIL-15) comprises the sequence of (UniProtKB Accession No. P40933 and SEQ ID NO: 501; signal sequence; **IL-15 chain**; **glycosylation site**; ***disulfide bond***):

1 MRISKPHLRS ISIQCYLCLL LNSHFLTEAG IHVFILGCFS AGLPKTEA**NW VNVISDLKKI**
61 **EDLIQSMHID ATLYTESDVH PSCKVTAMKC *FLLELQVISL ESGDASIHDT VENLIILANN***
121 ***SLSSNGNVTE SGCKEC*EELE EKNIKEFLQS FVHIVQMFIN TS.**

[124] hIL-15 has a similar structure to hIL-2, however hIL-15 has less than 20% sequence identity with hIL-2.

[125] In some embodiments, a Designed Cytokine of the disclosure may be used combination with an IL-12 polypeptide, including an IL-12 polypeptide, subunit A, having the sequence of MCPARSLLLVATLVLLDHLSLARNLPVATPDPGMFPCLHHSQNLLRAVSNMLQKARQT LEFYPCTSEEIDHEDITKDKTSTVEACLPLELTKNESCLNSRETSFITNGSCLASRKTSFM MALCLSSIYEDLKMYQVEFKTMNAKLLMDPKRQIFLDQNMLAVIDELMQALNFNSETV PQKSSLEEPDFYKTKIKLCILLHAFRIRAVTIDRVMSYLNAS. In some embodiments, a Designed Cytokine of the disclosure may be used combination with an IL-12 polypeptide, including an IL-12 polypeptide, subunit B, having the sequence of MCHQQLVISWFSLVFLASPLVAIWELKKDVYVVELDWYPDAPGEMVVLTCDTPEEDGI TWTLDQSSEVLGSGKTLTIQVKEFGDAGQYTCHKGGEVLSHSLLLLHKKEDGIWSTDIL KDQKEPKNKTFLRCEAKNYSGRFTCWWLTTISTDLTFSVKSSRGSSDPQGVTCGAATLS AERVRGDNKEYEYSVECQEDSACPAAEESLPIEVMVDAVHKLKYENYTSSFFIRDIIKPD PPKNLQLKPLKNSRQVEVSWEYPDTWSTPHSYFSLTFCVQVQGKSKREKKDRVFTDKT SATVICRKNASISVRAQDRYYSSSWSEWASVPCS.

[126] In some embodiments, a Designed Cytokine of the disclosure may be used combination with an IL-18 polypeptide, including an IL-18 polypeptide, having the sequence of MAAEPVEDNCINFVAMKFIDNTLYFIAEDDENLESDYFGKLESKLSVIRNLNDQVLFIDQ GNRPLFEDMTDSDCRDNAPRTIFIISMYKDSQPRGMAVTISVKCEKISTLSCENKIISFKE MNPPDNIKDTKSDIIFFQRSVPGHDNKMQFESSSYEGYFLACEKERDLFKLILKKEDELG DRSIMFTVQNED.

[127] In some embodiments, a Designed Cytokine of the disclosure may be used combination with an IL-21 polypeptide, including an IL-21 polypeptide, having the sequence of MRSSPGNMERIVICLMVIFLGTLVHKSSSQGQDRHMIRMRQLIDIVDQLKNYVNDLVPE FLPAPEDVETNCEWSAFSCFQKAQLKSANTGNNERIINVSIKKLKRKPPSTNAGRRQKH RLTCPSCDSYEKKPPKEFLERFKSLLQKMIHQHLSSRTHGSEDS.

[128] In some embodiments, a Designed Cytokine of the disclosure may be used combination with an IL-23 polypeptide, including an IL-23 polypeptide, subunit A, having the sequence of MLGSRAVMLLLLLPWTAQGRAVPGGSSPAWTQCQQLSQKLCTLAWSAHPLVGHMDL REEGDEETTNDVPHIQCGDGCDPQGLRDNSQFCLQRIHQGLIFYEKLLGSDIFTGEPSLLP DSPVGQLHASLLGLSQLLQPEGHHWETQQIPSLSPSQPWQRLLLRFKILRSLQAFVAVA ARVFAHGAATLSP. In some embodiments, a Designed Cytokine of the disclosure may be used combination with an IL-23 polypeptide, including an IL-23 polypeptide, subunit B, having the sequence of MCHQQLVISWFSLVFLASPLVAIWELKKDVYVVELDWYPDAPGEMVVLTCDTPEEDGI TWTLDQSSEVLGSGKTLTIQVKEFGDAGQYTCHKGGEVLSHSLLLLHKKEDGIWSTDIL KDQKEPKNKTFLRCEAKNYSGRFTCWWLTTISTDLTFSVKSSRGSSDPQGVTCGAATLS AERVRGDNKEYEYSVECQEDSACPAAEESLPIEVMVDAVHKLKYENYTSSFFIRDIIKPD PPKNLQLKPLKNSRQVEVSWEYPDTWSTPHSYFSLTFCVQVQGKSKREKKDRVFTDKT SATVICRKNASISVRAQDRYYSSSWSEWASVPCS.

[129] In some embodiments, a Designed Cytokine of the disclosure may be used combination with an interferon alpha polypeptide, including an interferon alpha 1/13, polypeptide having the sequence of MASPFALLMVLVVLSCKSSCSLGCDLPETHSLDNRRTLMLLAQMSRISPSSCLMDRHDF GFPQEEFDGNQFQKAPAISVLHELIQQIFNLFTTKDSSAAWDEDLLDKFCTELYQQLNDL EACVMQEERVGETPLMNADSILAVKKYFRRITLYLTEKKYSPCAWEVVRAEIMRSLSLS TNLQERLRRKE. In some embodiments, a Designed Cytokine of the disclosure may be used combination with an interferon alpha polypeptide, including an interferon alpha 2, polypeptide having the sequence of MALTFALLVALLVLSCKSSCSVGCDLPQTHSLGSRRTLMLLAQMRRISLFSCLKDRHDF

GFPQEEFGNQFQKAETIPVLHEMIQQIFNLFSTKDSSAAWDETLLDKFYTELYQQLNDLE
ACVIQGVGVTETPLMKEDSILAVRKYFQRITLYLKEKKYSPCAWEVVRAEIMRSFSLST
NLQESLRSKE. In some embodiments, a Designed Cytokine of the disclosure may be used combination with an interferon alpha polypeptide, including an interferon alpha 4, polypeptide having the sequence of
MALSFSLLMAVLVLSYKSICSLGCDLPQTHSLGNRRALILLAQMGRISHFSCLKDRHDF
GFPEEEFDGHQFQKAQAISVLHEMIQQTFNLFSTEDSSAAWEQSLLEKFSTELYQQLNDL
EACVIQEVGVEETPLMNEDSILAVRKYFQRITLYLTEKKYSPCAWEVVRAEIMRSLSFST
NLQKRLRRKD. In some embodiments, a Designed Cytokine of the disclosure may be used combination with an interferon alpha polypeptide, including an interferon alpha 5, polypeptide having the sequence of
MALPFVLLMALVVLNCKSICSLGCDLPQTHSLSNRRTLMIMAQMGRISPFSCLKDRHDF
GFPQEEFDGNQFQKAQAISVLHEMIQQTFNLFSTKDSSATWDETLLDKFYTELYQQLND
LEACMMQEVGVEDTPLMNVDSILTVRKYFQRITLYLTEKKYSPCAWEVVRAEIMRSFS
LSANLQERLRRKE. In some embodiments, a Designed Cytokine of the disclosure may be used combination with an interferon alpha polypeptide, including an interferon alpha 6, polypeptide having the sequence of
MALPFALLMALVVLSCKSSCSLDCDLPQTHSLGHRRTMMLLAQMRRISLFSCLKDRHD
FRFPQEEFDGNQFQKAEAISVLHEVIQQTFNLFSTKDSSVAWDERLLDKLYTELYQQLN
DLEACVMQEVWVGGTPLMNEDSILAVRKYFQRITLYLTEKKYSPCAWEVVRAEIMRSF
SSSRNLQERLRRKE. In some embodiments, a Designed Cytokine of the disclosure may be used combination with an interferon alpha polypeptide, including an interferon alpha 7, polypeptide having the sequence of
MARSFSLLMVVLVLSYKSICSLGCDLPQTHSLRNRRALILLAQMGRISPFSCLKDRHEFR
FPEEEFDGHQFQKTQAISVLHEMIQQTFNLFSTEDSSAAWEQSLLEKFSTELYQQLNDLE
ACVIQEVGVEETPLMNEDFILAVRKYFQRITLYLMEKKYSPCAWEVVRAEIMRSFSFST
NLKKGLRRKD. In some embodiments, a Designed Cytokine of the disclosure may be used combination with an interferon alpha polypeptide, including an interferon alpha 8, polypeptide having the sequence of
MALTFYLLVALVVLSYKSFSSLGCDLPQTHSLGNRRALILLAQMRRISPFSCLKDRHDFE
FPQEEFDDKQFQKAQAISVLHEMIQQTFNLFSTKDSSAALDETLLDEFYIELDQQLNDLE
SCVMQEVGVIESPLMYEDSILAVRKYFQRITLYLTEKKYSSCAWEVVRAEIMRSFSLSIN
LQKRLKSKE. In some embodiments, a Designed Cytokine of the disclosure may be used combination with an interferon alpha polypeptide, including an interferon alpha 10, polypeptide having the sequence of

MALSFSLLMAVLVLSYKSICSLGCDLPQTHSLGNRRALILLGQMGRISPFSCLKDRHDFR IPQEEFDGNQFQKAQAISVLHEMIQQTFNLFSTEDSSAAWEQSLLEKFSTELYQQLNDLE ACVIQEVGVEETPLMNEDSILAVRKYFQRITLYLIERKYSPCAWEVVRAEIMRSLSFSTN LQKRLRRKD. In some embodiments, a Designed Cytokine of the disclosure may be used combination with an interferon alpha polypeptide, including an interferon alpha 14, polypeptide having the sequence of

MALPFALMMALVVLSCKSSCSLGCNLSQTHSLNNRRTLMLMAQMRRISPFSCLKDRHD FEFPQEEFDGNQFQKAQAISVLHEMMQQTFNLFSTKNSSAAWDETLLEKFYIELFQQMN DLEACVIQEVGVEETPLMNEDSILAVKKYFQRITLYLMEKKYSPCAWEVVRAEIMRSLS FSTNLQKRLRRKD. In some embodiments, a Designed Cytokine of the disclosure may be used combination with an interferon alpha polypeptide, including an interferon alpha 17, polypeptide having the sequence of

MALSFSLLMAVLVLSYKSICSLGCDLPQTHSLGNRRALILLAQMGRISPFSCLKDRHDFG LPQEEFDGNQFQKTQAISVLHEMIQQTFNLFSTEDSSAAWEQSLLEKFSTELYQQLNNLE ACVIQEVGMEETPLMNEDSILAVRKYFQRITLYLTEKKYSPCAWEVVRAEIMRSLSFST NLQKILRRKD. In some embodiments, a Designed Cytokine of the disclosure may be used combination with an interferon alpha polypeptide, including an interferon alpha 21, polypeptide having the sequence of

MALSFSLLMAVLVLSYKSICSLGCDLPQTHSLGNRRALILLAQMGRISPFSCLKDRHDFG FPQEEFDGNQFQKAQAISVLHEMIQQTFNLFSTKDSSATWEQSLLEKFSTELNQQLNDLE ACVIQEVGVEETPLMNVDSILAVKKYFQRITLYLTEKKYSPCAWEVVRAEIMRSFSLSKI FQERLRRKE.

[130] In some embodiments, a Designed Cytokine of the disclosure may be used combination with an interferon beta polypeptide, including an interferon beta polypeptide having the sequence of

MTNKCLLQIALLLCFSTTALSMSYNLLGFLQRSSNFQCQKLLWQLNGRLEYCLKDRMN FDIPEEIKQLQQFQKEDAALTIYEMLQNIFAIFRQDSSSTGWNETIVENLLANVYHQINHL KTVLEEKLEKEDFTRGKLMSSLHLKRYYGRILHYLKAKEYSHCAWTIVRVEILRNFYFI NRLTGYLRN.

[131] In some embodiments, a Designed Cytokine of the disclosure may be used combination with an interferon gamma polypeptide, including an interferon gamma polypeptide having the sequence of

MKYTSYILAFQLCIVLGSLGCYCQDPYVKEAENLKKYFNAGHSDVADNGTLFLGILKN WKEESDRKIMQSQIVSFYFKLFKNFKDDQSIQKSVETIKEDMNVKFFNSNKKKRDDFEK LTNYSVTDLNVQRKAIHELIQVMAELSPAAKTGKRKRSQMLFRGRRASQ.

[132] In some embodiments, a Designed Cytokine of the disclosure may be used combination with an interferon omega polypeptide, including an interferon omega polypeptide having the sequence of

MALLFPLLAALVMTSYSPVGSLGCDLPQNHGLLSRNTLVLLHQMRRISPFLCLKDRRDF RFPQEMVKGSQLQKAHVMSVLHEMLQQIFSLFHTERSSAAWNMTLLDQLHTGLHQQL QHLETCLLQVVGEGESAGAISSPALTLRRYFQGIRVYLKEKKYSDCAWEVVRMEIMKS LFLSTNMQERLRSKDRDLGSS.

Exemplary Designed Cytokine Sequences

[133] Exemplary Designed Cytokines of the disclosure include, but are not limited to, one or more of the polypeptides provided in any one of Tables 1-15. In some embodiments, Designed Cytokines of the disclosure comprise a polypeptide having at least 70%, 75%, 80%, 85%, 90%, 95%, 97%, 99%, or any percentage identity in between with a Designed Cytokine of the disclosure. In some embodiments, Designed Cytokines of the disclosure comprise a polypeptide having a sequence of one or more of helix H1, helix H4, helix H2, helix H3, of the IL-2/15 polypeptides of the disclosure, optionally, when the order of the helices is H1, H4, H2 and then H3 in the polypeptide from its amino terminus to its carboxy terminus. In some embodiments, IL-2/15 polypeptides of the disclosure comprise a polypeptide having a sequence of one or more of helix H1, helix H4, helix H2, helix H3, of the Designed Cytokines of the disclosure, when the order of the helices is H1, H4, H2 and then H3 in the polypeptide from its amino terminus to its carboxy terminus. In some embodiments, Designed Cytokines of the disclosure comprise a polypeptide having helix H1, helix H4, helix H2, helix H3 of the Designed Cytokines of the disclosure, in this order from its amino terminus to its carboxy terminus. In some embodiments, Designed Cytokines of the disclosure comprise a polypeptide having helix H1, helix H4, helix H2, helix H3 of the Designed Cytokines of the disclosure, in this order from its amino terminus to its carboxy terminus and, optionally, a loop connecting each helix having substantially the same topology and/or secondary structure as a loop within a Designed Cytokine of the disclosure.

Table 1

Designed Cytokine No.	SEQ ID NO	Sequence
1	1	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSLIKKGSNEDLKHLQALEE ELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELKGS
2	2	APTSSSTKKTQLQLEHLLLDLQMILNGINNGNADPELVEFLNRWITFCQSLIKKGSNEDLKHLQALEE ELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELKGS
3	3	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQTAISTGKDNLKHLQCLEEE LKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELKGS
4	4	APTSSSTKKTQLQLEHLLLDLQMILNGINNGNADPELVEFLNRWITFCQTAISTGKDNLKHLQALEEE LKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELKGS
5	5	APTSSSTKKTQLQLEHLLLDLQMILNALNKLNIDSSIVEFLNRWITFCQTAISTGKDNLKHLQALEEEL KPLEEVLNLAQSKNFHLRPRDLISNINVIVLELKGS
6	6	APTSSSTKKTQLQLEHLLLDLQMILNALNKGNIDSSIVEFLNRWITFCQTAISTGKDNLKHLQALEEEL KPLEEVLNLAQSKNFHLRPRDLISNINVIVLELKGS
7	7	APTSSSTKKTQLQLEHLLLDLQMILNGAEVDPKIKEFLNRWITFCQSVIKANKDTREELKHLQALEEE LKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELKGS
8	8	APTSSSTKKTQLQLEHLLLDLQMILNALNKLNINDHIVEFLNRWITFCQSATSDPDLLKHLQALEEEL KPLEEVLNLAQSKNFHLRPRDLISNINVIVLELKGS
9	9	APTSSSTKKTQLQLEHLLLDLQMILNGMNNMNADPELVEFLNRWITFCESGDNTQEKLKCLEEELKP LEEVLNLAQSKNFHLRPRDLISNINVIVLELAGS
10	10	APTSSSTKKTQLQLEHLLLDLQMILNALKKLNINSPMQEFLNRWITFAQSGSADLKHLQALEEELKPL

		EEVLNLAQSKNFHLRPRDLISNINVIVLELKGS
11	11	APTSSSTKKTQLQLEHLLLDLQMILNALKKGNINSPMQEFLNRWITFAQSGSADLKHLQALEEELKP LEEVLNLAQSKNFHLRPRDLISNINVIVLELKGS
12	12	APTSSSTKKTQLQLEHLLLDLQMILNGMNNMNADPELVEFLNRWITFAQKGDESALKHLQALEEEL KPLEEVLNLAQSKNFHLRPRDLISNINVIVLELKGS
13	13	APTSSSTKKTQLQLEHLLLDLQMILNGMNNGNADPELVEFLNRWITFAQKGDESALKHLQALEEEL KPLEEVLNLAQSKNFHLRPRDLISNINVIVLELKGS
14	14	APTSSSTKKTQLQLEHLRLDLQMILNGMNNMNADPELVEFLNRWITEAESSNATLKSLQALEEELKP LEEVLNLAQSKNFHLRPRDLISNINVIVLELKGS
15	15	APTSSSTKKTQLQLEHLRLDLQMILNGMNNGNADPELVEFLNRWITEAESSNATLKSLQALEEELKP LEEVLNLAQSKNFHLRPRDLISNINVIVLELKGS
16	16	APTSSSTKKTQLQLEHLLLDLQMILNGMNNMNADPELVEFLNRWITFAQDGSADLKHLQALEEELK PLEEVLNLAQSKNFHLRPRDLISNINVIVLELKGS
17	17	APTSSSTKKTQLQLEHLLLDLQMILNGMNNGNADPELVEFLNRWITFAQDGSADLKHLQALEEELK PLEEVLNLAQSKNFHLRPRDLISNINVIVLELKGS
18	18	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFAQDGSADLKHLQALEEELKP LEEVLNLAQSKNFHLRPRDLISNINVIVLELKGS
19	19	APTSSSTKKTQLQLEHLLLDLQMIANALNKLGIESPFLNRWITFCQSNHEDAAKHLQALEEELKPLEE VLNLAQSKNFHLRPRDLISNINVIVLELMGS
20	20	APTSSSTKKTQLQLEHLLLDLQMIANALNKLGIESPFLNRWITFCQSVISASDDTREELKHLQALEEEL KPLEEVLNLAQSKNFHLRPRDLISNINVIVLELKGS
21	21	APTSSSTKKTQLQLEHLLLDLQMILNALKKLNINSPMQEFLNRWITFCESNTEDALKHLQALEEELKP LEEVLNLAQSKNFHLRPRDLISNINVIVLELKGS

22	22	APTSSSTKKTQLQLEHLLLDLQMILNLAEVDPTMKEFLNRWITFCESNSESALKHLQALEEELKPLEE VLNLAQSKNFHLRPRDLISNINVIVLELKGS
23	23	APTSSSTKKTQLQLEHLLLDLQMILNFPVDSEMVEFLNRWITFAQKGDESALKHLQALEEELKPLEE VLNLAQSKNFHLRPRDLISNINVIVLELKGS
24	24	APTSSSTKKTQLQLEHLELDLQMILNLAEVDPTMKEFLNRWITEAQSSNATLKSLQALEEELKPLEEV LNLAQSKNFHLRPRDLISNINVIVLELKGS
25	25	APTSSSTKKTQLQLEHLLLDLQMILNFPVDSEMVEFLNRWITFAEKGTEDANKELQALEEELKPLEE VLNLAQSKNFHLRPRDLISNINVIVLELKGS
26	26	APTSSSTKKTQLQLEHLLLDLQMILNFPVDSEMVEFLNRWITFAEKGTEDALKELQALEEELKPLEEV LNLAQSKNFHLRPRDLISNINVIVLELKGS
27	27	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSLIKKGSNEDLKHLQALEE RLKPLEEVLNRAQSKNFHLRPRDLISNINVIVLELKGS
28	28	APTSSSTKKTQLQLEHLLLDLQMILNGAEVDPKIKEFLNRWITFCQSVIKANKDTREELKHLQALEER LKPLEEVLNRAQSKNFHLRPRDLISNINVIVLELKGS
29	29	APTSSSTKKTQLQLEHLLLDLQMILNALNKLNINDHIVEFLNRWITFCQSATSDPDLLKHLQALEERL KPLEEVLNRAQSKNFHLRPRDLISNINVIVLELKGS
30	30	APTSSSTKKTQLQLEHLLLDLQMILNALKKLNINSPMQEFLNRWITFCESNTEDALKHLQALEERLKP LEEVLNRAQSKNFHLRPRDLISNINVIVLELKGS
31	31	APTSSSTKKTQLQLEHLLLDLQMILNFPVDSEMVEFLNRWITFAEKGTEDALKELQALEERLKPLEEV LNRAQSKNFHLRPRDLISNINVIVLELKGS
32	32	APTSSSTKKTQLQLEHLLLDLQMILNGINNYKNPKLTRMLTFGGTATIVEFLNRWITACQREADPEAL QALEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELMGS
33	33	APTSSSTKKTQLQAEHLLLDLQMILNGINNYKNPKLTRMLTFGGTATIVEFLNRWITFCESGADEEAA KSLQALEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELKGS

34	34	APTSSSTKKTQLQLEHLLLDLQMILNGINNYKNPKLTEIDPKLVEFLNRWITFCQSAIKSGSNTAKELQALEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELAGS
35	35	APTSSSTKKTQLQLEHLLLDLQMILNGINNYKNPKLTEIDPKLVEFLNRWITFCQTIINGGESATLKHLQALEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELKGS
36	36	APTSSSTKKTQLQLEHLLLDLQMILNGINNYKNPKLTEIDPKLVEFLNRWITFCQSIINGDESFSLKHLQALEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELKGS
37	37	APTSSSTKKTQLQLEHLLLDLQMILNGINNYKNPKLTKLDPSLVEFLNRWITFCQSATSDPDLLKHLQALEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELKGS
38	38	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQTAISTGKDNLKHLQALEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELKGS

Table 2

Designed Cytokine No.	SEQ ID NO	Helix 1	SEQ ID NO	Helix 4	SEQ ID NO	Helix 2	SEQ ID NO	Helix 3
1	39	SSTKKTQLQLEHLLLDLQMILNGINNM	52	PELVEFLNRWITFCQSLIKK	78	EDLKHLQALEEELKPLEEVLNLA	98	PRDLISNINVIVLELK
2	40	SSTKKTQLQLEHLLLDLQMILNGINNG	52	PELVEFLNRWITFCQSLIKK	78	EDLKHLQALEEELKPLEEVLNLA	98	PRDLISNINVIVLELK
3	39	SSTKKTQLQLEHLLLD	53	PELVEFLNRWITFCQTAI	79	LKHLQCLEEELKPLEEV	98	PRDLISNINVIVLELK

		LQMILNGIN NM		ST		LNLA		
4	40	SSTKKTQL QLEHLLLD LQMILNGIN NG	54	PELVEFLNR WITFCQTAI ST	80	LKHLQALE EELKPLEEV LNLA	98	PRDLISNIN VIVLELK
5	41	SSTKKTQL QLEHLLLD LQMILNAL NK	55	SIVEFLNR WITFCQTAI ST	80	LKHLQALE EELKPLEEV LNLA	98	PRDLISNIN VIVLELK
6	41	SSTKKTQL QLEHLLLD LQMILNAL NK	56	SIVEFLNR WITFCQTAI ST	80	LKHLQALE EELKPLEEV LNLA	98	PRDLISNIN VIVLELK
7	42	SSTKKTQL QLEHLLLD LQMILNG	57	PKIKEFLNR WITFCQSVI K	81	TREELKHL QALEEELK PLEEVLNL A	98	PRDLISNIN VIVLELK
8	41	SSTKKTQL QLEHLLLD LQMILNAL NK	58	HIVEFLNR WITFCQS	82	PDLLKHLQ ALEEELKPL EEVLNLA	98	PRDLISNIN VIVLELK
9	43	SSTKKTQL QLEHLLLD LQMILNGM NNM	59	PELVEFLNR WITFCE	83	QEKLKCLE EELKPLEEV LNLA	99	PRDLISNIN VIVLELA
10	44	SSTKKTQL	60	MQEFLNR	80	LKHLQALE	98	PRDLISNIN

		QLEHLLLD LQMILNAL KK		WITFAQ		EELKPLEEV LNLA		VIVLELK
11	44	SSTKKTQL QLEHLLLD LQMILNAL KK	60	MQEFLNR WITFAQ	80	LKHLQALE EELKPLEEV LNLA	98	PRDLISNIN VIVLELK
12	43	SSTKKTQL QLEHLLLD LQMILNGM NNM	61	PELVEFLNR WITFAQK	84	ESALKHLQ ALEEELKPL EEVLNLA	98	PRDLISNIN VIVLELK
13	45	SSTKKTQL QLEHLLLD LQMILNGM NNG	62	PELVEFLNR WITFAQKG D	85	QALEEELK PLEEVLNL A	100	DLISNINVI VLELK
14	46	SSTKKTQL QLEHLRLD LQMILNGM NNM	63	PELVEFLNR WITEAE	86	KSLQALEE ELKPLEEVL NLA	98	PRDLISNIN VIVLELK
15	47	SSTKKTQL QLEHLRLD LQMILNGM NNG	63	PELVEFLNR WITEAE	86	KSLQALEE ELKPLEEVL NLA	98	PRDLISNIN VIVLELK
16	43	SSTKKTQL QLEHLLLD LQMILNGM NNM	64	PELVEFLNR WITFAQ	80	LKHLQALE EELKPLEEV LNLA	98	PRDLISNIN VIVLELK

17	45	SSTKKTQL QLEHLLLD LQMILNGM NNG	64	PELVEFLNR WITFAQ	80	LKHLQALE EELKPLEEV LNLA	98	PRDLISNIN VIVLELK
18	39	SSTKKTQL QLEHLLLD LQMILNGIN NM	64	PELVEFLNR WITFAQ	80	LKHLQALE EELKPLEEV LNLA	98	PRDLISNIN VIVLELK
19	48	SSTKKTQL QLEHLLLD LQMIANAL NKL	65	PFLNRWITF CQS	87	AAKHLQAL EEELKPLEE VLNLA	101	PRDLISNIN VIVLELM
20	48	SSTKKTQL QLEHLLLD LQMIANAL NKL	66	PFLNRWITF CQSVI	81	TREELKHL QALEEELK PLEEVLNL A	98	PRDLISNIN VIVLELK
21	44	SSTKKTQL QLEHLLLD LQMILNAL KK	67	MQEFLNR WITFCES	80	LKHLQALE EELKPLEEV LNLA	98	PRDLISNIN VIVLELK
22	49	SSTKKTQL QLEHLLLD LQMILNL	68	PTMKEFLN RWITFCES	80	LKHLQALE EELKPLEEV LNLA	98	PRDLISNIN VIVLELK
23	50	SSTKKTQL QLEHLLLD LQMILN	69	SEMVEFLN RWITFAQK	84	ESALKHLQ ALEEELKPL EEVLNLA	98	PRDLISNIN VIVLELK
24	51	SSTKKTQL	70	PTMKEFLN	86	KSLQALEE	98	PRDLISNIN

		QLEHLELD LQMILNL		RWITEAQ		ELKPLEEVL NLA		VIVLELK
25	50	SSTKKTQL QLEHLLLD LQMILN	71	SEMVEFLN RWITFAEK	88	EDANKELQ ALEEELKPL EEVLNLA	98	PRDLISNIN VIVLELK
26	50	SSTKKTQL QLEHLLLD LQMILN	71	SEMVEFLN RWITFAEK	89	EDALKELQ ALEEELKPL EEVLNLA	98	PRDLISNIN VIVLELK
27	39	SSTKKTQL QLEHLLLD LQMILNGIN NM	52	PELVEFLNR WITFCQSLI KK	90	EDLKHLQA LEERLKPLE EVLNRA	98	PRDLISNIN VIVLELK
28	42	SSTKKTQL QLEHLLLD LQMILNG	57	PKIKEFLNR WITFCQSVI K	91	TREELKHL QALEERLK PLEEVLNR A	98	PRDLISNIN VIVLELK
29	41	SSTKKTQL QLEHLLLD LQMILNAL NK	58	HIVEFLNR WITFCQS	92	PDLLKHLQ ALEERLKP LEEVLNRA	98	PRDLISNIN VIVLELK
30	44	SSTKKTQL QLEHLLLD LQMILNAL KK	67	MQEFLNR WITFCES	93	LKHLQALE ERLKPLEE VLNRA	98	PRDLISNIN VIVLELK
31	50	SSTKKTQL QLEHLLLD LQMILN	71	SEMVEFLN RWITFAEK	94	EDALKELQ ALEERLKP LEEVLNRA	98	PRDLISNIN VIVLELK

32			72	IVEFLNRWITAC	95	PEALQALEEELKPLEEVLNLA	101	PRDLISNINVIVLELM
33			73	IVEFLNRWITFCE	96	EEAAKSLQALEEELKPLEEVLNLA	98	PRDLISNINVIVLELK
34			74	PKLVEFLNRWITFCQSAIKS	97	AKELQALEEELKPLEEVLNLA	99	PRDLISNINVIVLELA
35			75	PKLVEFLNRWITFCQTII	80	LKHLQALEEELKPLEEVLNLA	98	PRDLISNINVIVLELK
36			76	PKLVEFLNRWITFCQSII	80	LKHLQALEEELKPLEEVLNLA	98	PRDLISNINVIVLELK
37			77	PSLVEFLNRWITFCQS	82	PDLLKHLQALEEELKPLEEVLNLA	98	PRDLISNINVIVLELK
38	39	SSTKKTQLQLEHLLLDLQMILNGINNM	54	PELVEFLNRWITFCQTAIST	80	LKHLQALEEELKPLEEVLNLA	98	PRDLISNINVIVLELK

Table 3

Designed Cytokine No.	**SEQ ID NO**	**Loop 1**	**SEQ ID NO**	**Loop 2**	**SEQ ID NO**	**Loop 3**

1	102	NAD	112	GSN	132	QSKNFHLR
2	102	NAD	112	GSN	132	QSKNFHLR
3	102	NAD	113	GKDN	132	QSKNFHLR
4	102	NAD	113	GKDN	132	QSKNFHLR
5	103	LNIDS	113	GKDN	132	QSKNFHLR
6	104	GNIDS	113	GKDN	132	QSKNFHLR
7	105	AEVD	114	ANKD	132	QSKNFHLR
8	106	LNIND	115	ATSD	132	QSKNFHLR
9	102	NAD	116	SGDNT	132	QSKNFHLR
10	108	LNINSP	117	SGSAD	132	QSKNFHLR
11	109	GNINSP	117	SGSAD	132	QSKNFHLR
12	102	NAD	118	GD	132	QSKNFHLR
13	102	NAD	119	ESALKHL	132	QSKNFHLR
14	102	NAD	120	SSNATL	132	QSKNFHLR
15	102	NAD	120	SSNATL	132	QSKNFHLR
16	102	NAD	121	DGSAD	132	QSKNFHLR
17	102	NAD	121	DGSAD	132	QSKNFHLR
18	102	NAD	121	DGSAD	132	QSKNFHLR
19	107	GIES	122	NHED	132	QSKNFHLR

20	107	GIES	123	SASDD	132	QSKNFHLR	
21	108	LNINSP	124	NTEDA	132	QSKNFHLR	
22	105	AEVD	125	NSESA	132	QSKNFHLR	
23	110	FPVD	118	GD	132	QSKNFHLR	
24	105	AEVD	120	SSNATL	132	QSKNFHLR	
25	110	FPVD	126	GT	132	QSKNFHLR	
26	110	FPVD	126	GT	132	QSKNFHLR	
27	102	NAD	112	GSN	132	QSKNFHLR	
28	105	AEVD	114	ANKD	132	QSKNFHLR	
29	106	LNIND	115	ATSD	132	QSKNFHLR	
30	108	LNINSP	124	NTEDA	132	QSKNFHLR	
31	110	FPVD	126	GT	132	QSKNFHLR	
32	111	FGGTAT	127	QREAD	132	QSKNFHLR	
33	111	FGGTAT	128	SGAD	132	QSKNFHLR	
34			129	GSNT	132	QSKNFHLR	
35			130	NGGESAT	132	QSKNFHLR	
36			131	NGDESFS	132	QSKNFHLR	
37			115	ATSD	132	QSKNFHLR	
38	102	NAD	113	GKDN	132	QSKNFHLR	

Table 4

Designed Cytokine No.	SEQ ID NO	Features	**Sequence** (Designed Cytokines of the disclosure do not comprise or consist of a sequence requiring the bolded and underlined amino acids below, i.e., the bolded and underlined amino acids are optional).
39	150	M28I_K56S_C65A	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSLIKKGSNEDLKHLQAL EEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
40	151	M28I_K56S_C65A_M31G	APTSSSTKKTQLQLEHLLLDLQMILNGINNGNADPELVEFLNRWITFCQSLIKKGSNEDLKHLQAL EEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
41	152	M28I_T53S_C64A	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQTAISTGKDNLKHLQCLE EELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
42	153	M28I_T53S_C64A_M31G	APTSSSTKKTQLQLEHLLLDLQMILNGINNGNADPELVEFLNRWITFCQTAISTGKDNLKHLQALE EELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
43	154	T53S_C64A	APTSSSTKKTQLQLEHLLLDLQMILNALNKLNIDSSIVEFLNRWITFCQTAISTGKDNLKHLQALE EELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
44	155	T53S_C64A_L31G	APTSSSTKKTQLQLEHLLLDLQMILNALNKGNIDSSIVEFLNRWITFCQTAISTGKDNLKHLQALE EELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
45	156	L27G_C64A	APTSSSTKKTQLQLEHLLLDLQMILNGAEVDPKIKEFLNRWITFCQSVIKANKDTREELKHLQALE EELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
46	157	C63A	APTSSSTKKTQLQLEHLLLDLQMILNALNKLNINDHIVEFLNRWITFCQSATSDPDLLKHLQALEE ELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
47	158	C60A	APTSSSTKKTQLQLEHLLLDLQMILNGMNNMNADPELVEFLNRWITFCESGDNTQEKLKCLEEELK PLEEVLNLAQSKNFHLRPRDLISNINVIVLELA**GSGSGGSGNWSHPQFEK**
48	159	D50S_R56K_C60A	APTSSSTKKTQLQLEHLLLDLQMILNALKKLNINSPMQEFLNRWITFAQSGSADLKHLQALEEELK PLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
49	160	D50S_R56K_C60A_L31G	APTSSSTKKTQLQLEHLLLDLQMILNALKKGNINSPMQEFLNRWITFAQSGSADLKHLQALEEELK PLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**

50	161	C61A	APTSSSTKKTQLQLEHLLLDLQMILNGMNNMNADPELVEFLNRWITFAQKGDESALKHLQALEEEL KPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
51	162	C61A_M31G	APTSSSTKKTQLQLEHLLLDLQMILNGMNNGNADPELVEFLNRWITFAQKGDESALKHLQALEEEL KPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
52	163	C60A	APTSSSTKKTQLQLEHLRLDLQMILNGMNNMNADPELVEFLNRWITEAESSNATLKSLQALEEELK PLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
53	164	C60A_M31G	APTSSSTKKTQLQLEHLRLDLQMILNGMNNGNADPELVEFLNRWITEAESSNATLKSLQALEEELK PLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
54	165	R56K_C60A	APTSSSTKKTQLQLEHLLLDLQMILNGMNNMNADPELVEFLNRWITFAQDGSADLKHLQALEEELK PLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
55	166	R56K_C60A_M31G	APTSSSTKKTQLQLEHLLLDLQMILNGMNNGNADPELVEFLNRWITFAQDGSADLKHLQALEEELK PLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
56	167	R56K_C60A_M28I	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFAQDGSADLKHLQALEEELK PLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
57	168	C58A	APTSSSTKKTQLQLEHLLLDLQMIANALNKLGIESPFLNRWITFCQSNHEDAAKHLQALEEELKPL EEVLNLAQSKNFHLRPRDLISNINVIVLELM**GSGSGGSGNWSHPQFEK**
58	169	N50S_C64A	APTSSSTKKTQLQLEHLLLDLQMIANALNKLGIESPFLNRWITFCQSVISASDDTREELKHLQALE EELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
59	170	C61A	APTSSSTKKTQLQLEHLLLDLQMILNALKKLNINSPMQEFLNRWITFCESNTEDALKHLQALEEEL KPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
60	171	C58A	APTSSSTKKTQLQLEHLLLDLQMILNLAEVDPTMKEFLNRWITFCESNSESALKHLQALEEELKPL EEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
61	172	C57A	APTSSSTKKTQLQLEHLLLDLQMILNFPVDSEMVEFLNRWITFAQKGDESALKHLQALEEELKPLE EVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
62	173	C57A	APTSSSTKKTQLQLEHLELDLQMILNLAEVDPTMKEFLNRWITEAQSSNATLKSLQALEEELKPLE EVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
63	174	C57A	APTSSSTKKTQLQLEHLLLDLQMILNFPVDSEMVEFLNRWITFAEKGTEDANKELQALEEELKPLE EVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**

64	175	N52L_C57A	APTSSSTKKTQLQLEHLLLDLQMILNFPVDSEMVEFLNRWITFAEKGTEDALKELQALEEELKPLE EVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
65	176	M28I_K56S_C65A_E69R_L79R	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSLIKKGSNEDLKHLQAL EERLKPLEEVLNRAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
66	177	L27G_C64A_E68R_L78R	APTSSSTKKTQLQLEHLLLDLQMILNGAEVDPKIKEFLNRWITFCQSVIKANKDTREELKHLQALE ERLKPLEEVLNRAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
67	178	C63A_E67R_L77R	APTSSSTKKTQLQLEHLLLDLQMILNALNKLNINDHIVEFLNRWITFCQSATSDPDLLKHLQALEE RLKPLEEVLNRAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
68	179	C61A_E65R_L75R	APTSSSTKKTQLQLEHLLLDLQMILNALKKLNINSPMQEFLNRWITFCESNTEDALKHLQALEERL KPLEEVLNRAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
69	180	N52L_C57A_E61R_L71R	APTSSSTKKTQLQLEHLLLDLQMILNFPVDSEMVEFLNRWITFAEKGTEDALKELQALEERLKPLE EVLNRAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
70	181	K43G_C70A	APTSSSTKKTQLQLEHLLLDLQMILNGINNYKNPKLTRMLTFGGTATIVEFLNRWITACQREADPE ALQALEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELM**GSGSGGSGNWSHPQFEK**
71	182	K43G_C73A	APTSSSTKKTQLQAEHLLLDLQMILNGINNYKNPKLTRMLTFGGTATIVEFLNRWITFCESGADEE AAKSLQALEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
72	183	C70A	APTSSSTKKTQLQLEHLLLDLQMILNGINNYKNPKLTEIDPKLVEFLNRWITFCQSAIKSGSNTAK ELQALEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELA**GSGSGGSGNWSHPQFEK**
73	184	C71A	APTSSSTKKTQLQLEHLLLDLQMILNGINNYKNPKLTEIDPKLVEFLNRWITFCQTIINGGESATL KHLQALEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
74	185	C71A	APTSSSTKKTQLQLEHLLLDLQMILNGINNYKNPKLTEIDPKLVEFLNRWITFCQSIINGDESFSL KHLQALEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
75	186	C69A	APTSSSTKKTQLQLEHLLLDLQMILNGINNYKNPKLTKLDPSLVEFLNRWITFCQSATSDPDLLKH LQALEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
76	187	M28I_T53S_C64A	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQTAISTGKDNLKHLQALE EELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**

Table 5 (Variants of IL-2 Polypeptide 39)

Designed Cytokine No.	SEQ ID NO	Features	Sequence (Designed Cytokines of the disclosure do not comprise or consist of a sequence requiring the bolded and underlined amino acids below, i.e., the bolded and underlined amino acids are optional).
77	188	C48A	APTSSSTKKTQLQLEHLLLDLQMILNGINNYNADPELVEFLNRWITFAQSLIKKGSNEDLKHLQAL EEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
78	189	C48I	APTSSSTKKTQLQLEHLLLDLQMILNGINNYNADPELVEFLNRWITFIQSLIKKGSNEDLKHLQAL EEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
79	190	I28M_C48A	APTSSSTKKTQLQLEHLLLDLQMILNGMNNYNADPELVEFLNRWITFAQSLIKKGSNEDLKHLQAL EEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
80	191	A33G_C48A	APTSSSTKKTQLQLEHLLLDLQMILNGINNYNGDPELVEFLNRWITFAQSLIKKGSNEDLKHLQAL EEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
81	192	F40Q_C48A	APTSSSTKKTQLQLEHLLLDLQMILNGINNYNADPELVEQLNRWITFAQSLIKKGSNEDLKHLQAL EEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
82	193	F40K_C48A	APTSSSTKKTQLQLEHLLLDLQMILNGINNYNADPELVEKLNRWITFAQSLIKKGSNEDLKHLQAL EEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
83	194	C48A_C65 (N-linked glycosylation site)	APTSSSTKKTQLQLEHLLLDLQMILNGINNYNADPELVEFLNRWITFAQSLIKKGSNEDLKHLQNL SEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
84	195	A33G_F40K_C48A	APTSSSTKKTQLQLEHLLLDLQMILNGINNYNGDPELVEKLNRWITFAQSLIKKGSNEDLKHLQAL EEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
85	196	51I_GSGSD_C48A	APTSSSTKKTQLQLEHLLLDLQMILNGINNYNADPELVEFLNRWITFAQSIIKKGGSGSDLKHLQA LEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
86	197	51I_GSGSD_A33G_C48A	APTSSSTKKTQLQLEHLLLDLQMILNGINNYNGDPELVEFLNRWITFAQSIIKKGGSGSDLKHLQA LEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
87	198	51I_GSGSD_A33G_F40K_C48A	APTSSSTKKTQLQLEHLLLDLQMILNGINNYNGDPELVEKLNRWITFAQSIIKKGGSGSDLKHLQA LEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
88	199	51ISTG_GSGSD_A33G_C48A	APTSSSTKKTQLQLEHLLLDLQMILNGINNYNGDPELVEFLNRWITFAQSISTGGSGSDLKHLQAL EEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**

89	200	GAGD_A33G_C48A	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNGDPELVEFLNRWITFAQSLIKKGGAGDLKHLQAL EEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGGSGNWSHPQFEK**
90	201	KGED_A33G_C48A	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNGDPELVEFLNRWITFAQSLIKKGKGEDLKHLQAL EEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGGSGNWSHPQFEK**
91	202	511_GSGSD_A33G_F40K_C48A_C65 (N-linked glycosylation site)	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNGDPELVEKLNRWITFAQSIIKKGGSGSDLKHLQN LSEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
92	203	L14C	APTSSSTKKTQLQCEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSLIKKGSNEDLKHLQAL EEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
93	204	L18C	APTSSSTKKTQLQLEHLCLDLQMILNGINNMNADPELVEFLNRWITFCQSLIKKGSNEDLKHLQAL EEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
94	205	C48A_E69(N-linked glycosylation site)	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFAQSLIKKGSNEDLKHLQAL EENLSPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
95	206	511STG_GSGSD_M28_C48A	APTSSSTKKTQLQLEHLLLDLQMILNGMNNMNADPELVEFLNRWITFAQSISTGGSGSDLKHLQAL EEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
96	207	511STG_GSGSD_M28_G31_C48A	APTSSSTKKTQLQLEHLLLDLQMILNGMNNGNADPELVEFLNRWITFAQSISTGGSGSDLKHLQAL EEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
97	208	KGED_M28_C48A	APTSSSTKKTQLQLEHLLLDLQMILNGMNNMNADPELVEFLNRWITFAQSLIKKGKGEDLKHLQAL EEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
98	209	511_GSGSD_L18C_A33G_F40K	APTSSSTKKTQLQLEHLCLDLQMILNGINNMNGDPELVEKLNRWITFCQSIIKKGGSGSDLKHLQA LEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
99	210	511_GSGSD_L18C_A33G_C65 (N-linked glycosylation site)	APTSSSTKKTQLQLEHLCLDLQMILNGINNMNGDPELVEFLNRWITFCQSIIKKGGSGSDLKHLQN LSEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
100	211	511_GSGSD_L18C_A33G_F40K_C65 (N-linked glycosylation site)	APTSSSTKKTQLQLEHLCLDLQMILNGINNMNGDPELVEKLNRWITFCQSIIKKGGSGSDLKHLQN LSEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
101	212	[W44I]	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRIITFCQSLIKKGSNEDLKHLQAL EEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**

102	213	[F44L, W47L]	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRLITLCQSLIKKGSNEDLKHLQAL EEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
103	214	[F40K]	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEKLNRWITFCQSLIKKGSNEDLKHLQAL EEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
104	215	[F47E]	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEELNRWITECQSLIKKGSNEDLKHLQAL EEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
105	216	[C65K]	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSLIKKGSNEDLKHLQKL EEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
106	217	[C65K, E69A]	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSLIKKGSNEDLKHLQKL EEALKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
107	218	[C65K, E69A, V76K]	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSLIKKGSNEDLKHLQKL EEALKPLEEKLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
108	219	[51-LIKK-54 to IIST]	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSNEDLKHLQAL EEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
109	220	[51-LIKK-54 to IIST+N57L]	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSLEDLKHLQAL EEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
110	221	[I28M+51-LIKK-54 to IIST]	APTSSSTKKTQLQLEHLLLDLQMILNGMNNMNADPELVEFLNRWITFCQSIISTGSNEDLKHLQAL EEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
111	222	[I28M+51-LIKK-54 to IIST+ N57L]	APTSSSTKKTQLQLEHLLLDLQMILNGMNNMNADPELVEFLNRWITFCQSIISTGSLEDLKHLQAL EEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
112	223	[51-LIKK-54 to IIST+C65 (N-linked glycosylation site)]	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSNEDLKHLQNL SEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
113	224	[I28M+51-LIKK-54 to IIST+ C65 (N-linked glycosylation site)]	APTSSSTKKTQLQLEHLLLDLQMILNGMNNMNADPELVEFLNRWITFCQSIISTGSNEDLKHLQNL SEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
114	225	[I28M+51-LIKK-54 to IIST+ N57L+C65 (N-linked glycosylation site)]	APTSSSTKKTQLQLEHLLLDLQMILNGMNNMNADPELVEFLNRWITFCQSIISTGSLEDLKHLQNL SEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**

115	226	[A48C + C65 (N-linked glycosylation site)]	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSLIKKGSNEDLKHLQNL SEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
116	227	[51-LIKKGSNE-58to IISTGSGS]	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSGSDLKHLQAL EEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
117	228	[51-LIKKGSNE-58to IISTGSGS + C65 (N-linked glycosylation site)]	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSGSDLKHLQNL SEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
118	229	[C48S]	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFSQSLIKKGSNEDLKHLQAL EEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
119	230	[C48S + {25,41 Disulfide}]	APTSSSTKKTQLQLEHLLLDLQMICNGINNMNADPELVEFCNRWITFSQSLIKKGSNEDLKHLQAL EEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
120	231	[{25,41 Disulfide}]	APTSSSTKKTQLQLEHLLLDLQMICNGINNMNADPELVEFCNRWITFCQSLIKKGSNEDLKHLQAL EEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
121	232	[51-LIKKGSNED-59to IISTLTAGSGSG]	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTLTAGSGSGDLKH LQALEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
122	233	[51-LIKKGSNED-59to IISTLTAGGSGSG]	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTLTAGGSGSGDLK HLQALEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
123	234	[51-LIKKGSNED-59to IISTLTAGSGSG + C65 (N-linked glycosylation site)]	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTLTAGSGSGDLKH LQNLSEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
124	235	[51-LIKKGSNED-59to IISTLTAGGSGSG + C65 (N-linked glycosylation site)]	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTLTAGGSGSGDLK HLQNLSEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
125	236	[51-LIKKGSNEDL-60 to IISTLTAGSGSLEELA]	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTLTAGSGSLEELA KHLQALEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
126	237	[51-LIKKGSNEDL-60 to IISTLTAGSLEELA]	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTLTAGSLEELAKH LQALEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
127	238	[51-LIKKGSNEDL-60 to	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTLTAGSGSLEE*LA*

		IISTLTAGSGSLEELA+*C65 (N-linked glycosylation site)*]	KHLQNLSEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
128	239	[51-LIKKGSNEDL-60 to IISTLTAGSLEELA+(N-linked glycosylation site)]	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTLTAGSLEELAKH LQNLSEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
129	240	remodelHelix3_1	APTSSSTKKTQLQLEHLLLDLQMILNGMNNMNADPELVEFLNRIITFCQSLISTGSGSSPEIKEAL QKLEEALKPLEEKLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
130	241	remodelHelix3_2	APTSSSTKKTQLQLEHLLLDLQMILNGMNNMNADPELVEFLNRIITFCQSIISTGGVSDPAIKEAL QKLEEALKPLEEKLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
131	242	remodelHelix3_3	APTSSSTKKTQLQLEHLLLDLQMILNGMNNMNADPELVEFLNRIITACQSVISTGSDPEELAKLAQ KLEEALKPLEEKLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
132	243	remodelHelix3_4	APTSSSTKKTQLQLEHLLLDLQMILNGMNNMNADPELVEFLNRIITLCQSAISTGSVDPEELAKEL QKLEEALKPLEEKLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
133	244	remodelHelix3_2_A61E	APTSSSTKKTQLQLEHLLLDLQMILNGMNNMNADPELVEFLNRIITFCQSIISTGGVSDPEIKEAL QKLEEALKPLEEKLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
134	245	remodelHelix3_6	APTSSSTKKTQLQLEHLLLDLQMILNGMNNMNADPELVEFLNRIITFCQSLISTSGISPEAAKEAQ KLEEALKPLEEKLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
135	246	coreboundrysel_flexbb_3	APTSSSIKKIQLLLEHLLLDFQMVLNFLNNANADPELVELVNRALTFCQSIISTGSNEELKHLQAL LENMKPLEEAMNLIQSKNIHIRPRDLISNINVLLLELLGM**GSGGSGNWSHPQFEK**
136	247	coreboundrysel_flexbb_9	APTSSSIKKAQLLLEHLLLDFQMILNFLNNVNADPELVELINRILTFCQSIISTGSNEELKHLQAI LETLKPIEEILNLIQSKNIHYRPRDIMSNINVLLLELLGM**GSGGSGNWSHPQFEK**
137	248	coresel_flexbb_0	APTSSSTKKTQLQLEHLLLDLQMILNGMNNMNADPELVEFLNRWITFCQSIISTGSNEDLKHLQAL EEELKPLEEVLNLAQSKNFHLRPRDLISNINVLVLELK**GSGSGGSGNWSHPQFEK**
138	249	coresel_flexbb_12	APTSSSTKKTQLQLEHLLLDLQMILNGMNNMNADPELVEFLNRWITFCQSIISTGSNEDLKHLQAL EEELKPLEEVLNLAQSKNFHLRPRDLISNINVVVLELK**GSGSGGSGNWSHPQFEK**
139	250	coresel_flexbb_6	APTSSSTKKTQLQLEHLLLDLQMILNGMNNMNADPELVEFLNRWITFCQSIISTGSNEDLKHLQAL EEELKPLEEVLNLAQSKNFHLRPRDLISNINVAVLELK**GSGSGGSGNWSHPQFEK**
140	251	flexbb_11	APTSSSTKKLQLQLEHLLLDLQMILNGLNNMNADPEAVELMNRIITYCQSIISTGSNEDLKHLQAI

			EEELKPLEEVMNLAQSKNFHLRPRDLISNINVILLELK**GSGSGGSGNWSHPQFEK**
141	252	flexbb_12	APTSSSTKKIQLQLEHLLLDLQMLLNGMNNMNADPEAVELLNRFITFCQSIISTGSNEDLKHLQAL EEELKPIEEVMNLAQSKNFHLRPRDMLSNINVIILELK**GSGSGGSGNWSHPQFEK**
142	253	flexbb_13	APTSSSTKKIQLQLEHLLLDLQMVLNGLNNMNADPELVEKLNRIITYCQSIISTGSNEDLKHLQAV EEELKPMEEVLNLAQSKNFHLRPRDMVSNINVILLELK**GSGSGGSGNWSHPQFEK**
143	254	flexbb_14	APTSSSTKKLQLQLEHLLLDLQMLLNGMNNMNADPEAVEKLNRMITYCQSIISTGSNEDLKHLQAM EEELKPLEEVLNLAQSKNFHLRPRDMISNMNVILLELK**GSGSGGSGNWSHPQFEK**
144	255	flexbb_2	APTSSSTKKLQLQLEHLLLDIQMILNGLNNMNADPEIVEFLNRIITLCQSIISTGSNEDLKHLQAI EEEMKPLEEVMNLAQSKNFHLRPRDLISNINVILLELK**GSGSGGSGNWSHPQFEK**
145	256	flexbb_3	APTSSSTKKLQLQLEHLLLDLQMALNGLNNMNADPEMVEMLNRAITFCQSIISTGSNEDLKHLQAI EEEMKPLEEVLNLAQSKNFHLRPRDMVSNINVILLELK**GSGSGGSGNWSHPQFEK**
146	257	flexbb_6	APTSSSTKKLQLQLEHLLLDLQMILNGMNNMNADPEIVEILNRAITFCQSIISTGSNEDLKHLQAI EEELKPIEEVLNLAQSKNFHLRPRDMLSNVNVILLELK**GSGSGGSGNWSHPQFEK**
147	258	Shorter_STII_Linker	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSLIKKGSNEDLKHLQAL EEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**
148	259	[51-LIKK-54 to IIST + (I28M, N57L, W44I, C65K, E69A, V76K)]	APTSSSTKKTQLQLEHLLLDLQMILNGMNNMNADPELVEFLNRIITFCQSIISTGSLEDLKHLQKL EEALKPLEEKLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**

Table 6 (Variants of IL-2 WT and Variants of Designed Cytokine No. 39)

Designation	**SEQ ID NO**	**Features**	**Sequence** (Designed Cytokines of the disclosure do not comprise or consist of a sequence requiring the bolded and underlined amino acids below, i.e., the bolded and underlined amino acids are optional).
WT Variant	260	WT_IL2_Nterm_STII	**NWSHPQFEKGSGGSG**APTSSSTKKTQLQLEHLLLDLQMILNGINNYKNPKLTRMLTFKFYMPKKAT ELKHLQCLEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELKGSETTFMCEYADETATIVEF LNRWITFCQSIISTLT
Designed Cytokine	261	Designed Cytokine No. 39 + [Nterm_STII]	**NWSHPQFEKGSGSGGSG**APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQ SLIKKGSNEDLKHLQALEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK

No. 150			
Designed Cytokine No. 151	262	Designed Cytokine No. 39 + C48A_Nterm_STII	**NWSHPQFEKGSGSGGSG**APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFAQ SLIKKGSNEDLKHLQALEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK

Table 7 (Variants of Designed Cytokine No. 132)

Designed Cytokine No.	**SEQ ID NO**	**Features**	**Sequence** (Designed Cytokines of the disclosure do not comprise or consist of a sequence requiring the bolded and underlined amino acids below, i.e., the bolded and underlined amino acids are optional).
152	263	Revert_1_Short_GS	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSAISTGSVDPEELAKEL QKLEEELKPLEEKLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**
153	264	Revert_2_Short_GS	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSVDPEELAKEL QKLEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**
154	265	Revert_3_Short_GS	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSVDPEELAKEL QKLEEELKPLEEKLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**
155	266	Revert_3_C65pngs_Short_GS	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSVDPEELAKEL QNLSEELKPLEEKLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**
156	267	Revert_3_I99L_Short_GS	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSVDPEELAKEL QKLEEELKPLEEKLNLAQSKNFHLRPRDLISNINVLVLELK**GSGSGNWSHPQFEK**
157	268	Revert_3_{25,41DS}_Short_GS	APTSSSTKKTQLQLEHLLLDLQMICNGINNMNADPELVEFCNRWITFCQSIISTGSVDPEELAKEL QKLEEELKPLEEKLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**
158	269	Revert_3_{63, 108DS}_Short_GS	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSVDPEELCKEL QKLEEELKPLEEKLNLAQSKNFHLRPRDLISNINVIVLELKCS**GSGNWSHPQFEK**
159	270	Revert_3_linker_mod_-1_Short_GS	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSLDPEELAKEL QKLEEELKPLEEKLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**
160	271	Revert_3_linker_mod_-1_GSPre_Short_GS	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSGSLDPEELAK ELQKLEEELKPLEEKLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**

161	272	Revert_3_linker_mod_-1_GSPost_Short_GS	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSLGSDPEELAK ELQKLEEELKPLEEKLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**
162	273	Revert_3_linker_mod_1_Short_GS	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSLEDPEELAKE LQKLEEELKPLEEKLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**
163	274	Revert_3_linker_mod_2_Short_GS	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTLTAGGSVDPEEL AKELQKLEEELKPLEEKLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**
164	275	Revert_3_linker_mod_2_VDP>IDP_Short_GS	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTLTAGGSIDPEEL AKELQKLEEELKPLEEKLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**
165	276	Revert_3_linker_mod_2_VDP>LDP_Short_GS	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTLTAGGSLDPEEL AKELQKLEEELKPLEEKLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**
166	277	Revert_3_linker_mod_2_G27A_Short_GS	APTSSSTKKTQLQLEHLLLDLQMILNAINNMNADPELVEFLNRWITFCQSIISTLTAGGSVDPEEL AKELQKLEEELKPLEEKLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**
167	278	Revert_3_linker_mod_2_L79E_Short_GS	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTLTAGGSVDPEEL AKELQKLEEELKPLEEKLNEAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**
168	279	Revert_3_linker_mod_3_Short_GS	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTLTAGSGSVDPEE LAKELQKLEEELKPLEEKLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**

Table 8 (Variants of Designed Cytokine No. 109)

Designed Cytokine No.	**SEQ ID NO**	**Features**	**Sequence** (Designed Cytokines of the disclosure do not comprise or consist of a sequence requiring the bolded and underlined amino acids below, i.e., the bolded and underlined amino acids are optional).
169	280	Short_GS	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSLEDLKHLQAL EEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**
170	281	Shorter_GSG	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSLEDLKHLQAL EEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGNWSHPQFEK**
171	282	Shortest_GS	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSLEDLKHLQAL EEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSNWSHPQFEK**

172	283	DP_init_Short_GS	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSLDPEDLKHLQ ALEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**
173	284	{25,41DS}_Short_GS	APTSSSTKKTQLQLEHLLLDLQMICNGINNMNADPELVEFCNRWITFCQSIISTGSLEDLKHLQAL EEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**

Table 9 (Variants of Designed Cytokine No. 124)

Designed Cytokine No.	**SEQ ID NO**	**Features**	**Sequence** (Designed Cytokines of the disclosure do not comprise or consist of a sequence requiring the bolded and underlined amino acids below, i.e., the bolded and underlined amino acids are optional).
174	285	Short_GS	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTLTAGGSGSGDLK HLQNLSEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**
175	286	GGSGSG>GGSLSG_Short_GS	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTLTAGGSLSGDLK HLQNLSEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**
176	287	GGSGSG>GGSLSPE_Short_GS	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTLTAGGSLSPEDL KHLQNLSEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**
177	288	GGSGSG>GGSLGSG_Short_GS	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTLTAGGSLGSGDL KHLQNLSEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**
178	289	LKHL>LAKHL_Short_GS	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTLTAGGSGSGDLA KHLQNLSEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**

Table 10 (Variants of N-terminus of WT IL-2 and of Designed Cytokines)

Designed Cytokine No.	**SEQ ID NO**	**Features**	**Sequence** (Designed Cytokines of the disclosure do not comprise or consist of a sequence requiring the bolded and underlined amino acids below, i.e., the bolded and underlined amino acids are optional).
179	290	Designed Cytokine No. 39_Truncated_Nterm	STKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSLIKKGSNEDLKHLQALEEELK PLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
Variant of	291	IL-2 WT_Truncated_Nterm	STKKTQLQLEHLLLDLQMILNGINNYKNPKLTRMLTFKFYMPKKATELKHLQCLEEELKPLEEVLN

IL-2			LAQSKNFHLRPRDLISNINVIVLELKGSETTFMCEYADETATIVEFLNRWITFCQSIISTLT**GSGG SGNWSHPQFEK**
181	292	Designed Cytokine No. 109_Truncated_Nterm	STKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSLEDLKHLQALEEELK PLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGGSGNWSHPQFEK**
182	293	Designed Cytokine No. 154_Truncated_Nterm	STKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSVDPEELAKELQKLEE ELKPLEEKLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**
183	294	Designed Cytokine No. 154_DP_Nterm	DPKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSVDPEELAKELQKLEE ELKPLEEKLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**

Table 11 (Variants of WT IL-2)

IL-2 Variant No.	**SEQ ID NO**	**Features**	**Sequence** (Designed Cytokines of the disclosure do not comprise or consist of a sequence requiring the bolded and underlined amino acids below, i.e., the bolded and underlined amino acids are optional).
1	295	WT_IL2_L72R_STII	APTSSSTKKTQLQLEHLLLDLQMILNGINNYKNPKLTRMLTFKFYMPKKATELKHLQCLEEELKPLEEV LNRAQSKNFHLRPRDLISNINVIVLELKGSETTFMCEYADETATIVEFLNRWITFCQSIISTLT**GSGGS GNWSHPQFEK**
2	296	WT_IL2_L72Q_STII	APTSSSTKKTQLQLEHLLLDLQMILNGINNYKNPKLTRMLTFKFYMPKKATELKHLQCLEEELKPLEEV LNQAQSKNFHLRPRDLISNINVIVLELKGSETTFMCEYADETATIVEFLNRWITFCQSIISTLT**GSGGS GNWSHPQFEK**
3	297	WT_IL2_L72E_STII	APTSSSTKKTQLQLEHLLLDLQMILNGINNYKNPKLTRMLTFKFYMPKKATELKHLQCLEEELKPLEEV LNEAQSKNFHLRPRDLISNINVIVLELKGSETTFMCEYADETATIVEFLNRWITFCQSIISTLT**GSGGS GNWSHPQFEK**
4	298	WT_IL2_L72N_L74S_STII	APTSSSTKKTQLQLEHLLLDLQMILNGINNYKNPKLTRMLTFKFYMPKKATELKHLQCLEEELKPLEEV LNNASSKNFHLRPRDLISNINVIVLELKGSETTFMCEYADETATIVEFLNRWITFCQSIISTLT**GSGGS GNWSHPQFEK**
5		WT IL-2 cterm STII tag	APTSSSTKKTQLQLEHLLLDLQMILNGINNYKNPKLTRMLTFKFYMPKKATELKHLQCLEEELKPLEEV LNLAQSKNFHLRPRDLISNINVIVLELKGSETTFMCEYADETATIVEFLNRWITFCQSIISTLT**GSGGS GNWSHPQFEK**

Table 12 (Variants of Designed Cytokine No. 154)

Designed Cytokine No.	**SEQ ID NO**	**Features**	**Sequence** (Designed Cytokines of the disclosure do not comprise or consist of a sequence requiring the bolded and underlined amino acids below, i.e., the bolded and underlined amino acids are optional).
188	299	Designed Cytokine No. 154_DP_Nterm	DPKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSVDPEELAKELQKLEEELK PLEEKLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**

Table 13 (Variants of Designed Cytokine No. 153)

Designed Cytokine No.	**SEQ ID NO**	**Features**	**Sequence** (Designed Cytokines of the disclosure do not comprise or consist of a sequence requiring the bolded and underlined amino acids below, i.e., the bolded and underlined amino acids are optional).
189	300	Designed Cytokine No. 153 I99L	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSVDPEELAK ELQKLEEELKPLEEVLNLAQSKNFHLRPRDLISNINVLVLELKGSGSGNWSHPQFEK
190	301	Designed Cytokine No. 153 rE65H+I99L	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSVDPEELAK HLQKLEEELKPLEEVLNLAQSKNFHLRPRDLISNINVLVLELKGSGSGNWSHPQFEK
191	302	Designed Cytokine No. 153 _d63A+I99L	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSVDPEELKE LQKLEEELKPLEEVLNLAQSKNFHLRPRDLISNINVLVLELKGSGSGNWSHPQFEK
192	303	Designed Cytokine No. 153 _d63A_rE65H+I99L	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSVDPEELKH LQKLEEELKPLEEVLNLAQSKNFHLRPRDLISNINVLVLELKGSGSGNWSHPQFEK
193	304	Designed Cytokine No. 153 d63A_rE65H_rK67A+I99L	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSVDPEELKH LQALEEELKPLEEVLNLAQSKNFHLRPRDLISNINVLVLELKGSGSGNWSHPQFEK
209	320	QSTII-GSGSG-(Designed Cytokine No. 153)+I99L	**QNWSHPQFEKGSGSG**APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQ SIISTGSVDPEELAKELQKLEEELKPLEEVLNLAQSKNFHLRPRDLISNINVLVLELK
210	321	QSTII-GSGSG-Nterm-trunc--(Designed Cytokine No. 153)+I99L	**QNWSHPQFEKGSGSG**DPTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIIS TGSVDPEELAKELQKLEEELKPLEEVLNLAQSKNFHLRPRDLISNINVLVLELK
192	322	Designed Cytokine No. 153 d63A_rE65H_rK67A	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSVDPEELKH LQALEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**

193	323	Designed Cytokine No. 153 +R91S+I99L	APTSSSTKKTQLQLEHLLLDLQMILNGINNYNADPELVEFLNRWITFCQSIISTGSVDPEELAK ELQKLEEELKPLEEVLNLAQSKNFHLSPRDLISNINVLVLELK**GSGSGNWSHPQFEK**
194	324	Designed Cytokine No. 153 +R91S	APTSSSTKKTQLQLEHLLLDLQMILNGINNYNADPELVEFLNRWITFCQSIISTGSVDPEELAK ELQKLEEELKPLEEVLNLAQSKNFHLSPRDLISNINVIVLELK**GSGSGNWSHPQFEK**
195	325	Designed Cytokine No. 153 +R91N+I99L	APTSSSTKKTQLQLEHLLLDLQMILNGINNYNADPELVEFLNRWITFCQSIISTGSVDPEELAK ELQKLEEELKPLEEVLNLAQSKNFHLNPRDLISNINVLVLELK**GSGSGNWSHPQFEK**
196	326	Designed Cytokine No. 153 _d63A+R91S+I99L	APTSSSTKKTQLQLEHLLLDLQMILNGINNYNADPELVEFLNRWITFCQSIISTGSVDPEELKE LQKLEEELKPLEEVLNLAQSKNFHLSPRDLISNINVLVLELK**GSGSGNWSHPQFEK**
197	327	Designed Cytokine No. 153 _d63A+R91N+I99L	APTSSSTKKTQLQLEHLLLDLQMILNGINNYNADPELVEFLNRWITFCQSIISTGSVDPEELKE LQKLEEELKPLEEVLNLAQSKNFHLNPRDLISNINVLVLELK**GSGSGNWSHPQFEK**
198	328	Designed Cytokine No. 153 d63A_rE65H_rK67A+R91S+I99L	APTSSSTKKTQLQLEHLLLDLQMILNGINNYNADPELVEFLNRWITFCQSIISTGSVDPEELKH LQALEEELKPLEEVLNLAQSKNFHLSPRDLISNINVLVLELK**GSGSGNWSHPQFEK**
199	329	Designed Cytokine No. 153 d63A_rE65H_rK67A+R91N+I99L	APTSSSTKKTQLQLEHLLLDLQMILNGINNYNADPELVEFLNRWITFCQSIISTGSVDPEELKH LQALEEELKPLEEVLNLAQSKNFHLNPRDLISNINVLVLELK**GSGSGNWSHPQFEK**
200	330	Designed Cytokine No. 153 d63A_rE65H_rK67A+R91S	APTSSSTKKTQLQLEHLLLDLQMILNGINNYNADPELVEFLNRWITFCQSIISTGSVDPEELKH LQALEEELKPLEEVLNLAQSKNFHLSPRDLISNINVIVLELK**GSGSGNWSHPQFEK**
220	331	Designed Cytokine No. 153 L1-1_L2-1_deimmunized	APTSSSTKKTQLQLEHLLLDLQMILNGINNYNLEPELIDFLNRWITFCQSIISTGSVDPELAAK ELDKLEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**
221	332	Designed Cytokine No. 153 L1-1_L2-2_deimmunized	APTSSSTKKTQLQLEHLLLDLQMILNGINNYNLEPELIDFLNRWITFCQSIISTGSVDPEVSAS ELDKLEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**
222	333	Designed Cytokine No. 153 L1-2_L2-1_deimmunized	APTSSSTKKTQLQLEHLLLDLQMILNGINNYNQNGDPELVELLNRWITFCQSIISTGSVDPELAAK ELDKLEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**
223	334	Designed Cytokine No. 153 L1-2_L2-2_deimmunized	APTSSSTKKTQLQLEHLLLDLQMILNGINNYNQNGDPELVELLNRWITFCQSIISTGSVDPEVSAS ELDKLEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**
224	335	Designed Cytokine No. 153 L1-3_L2-1_deimmunized	APTSSSTKKTQLQLEHLLLDLQMILNGINEMNADPELVDLLNRWITFCQSIISTGSVDPELAAK ELDKLEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**
225	336	Designed Cytokine No. 153 L1-	APTSSSTKKTQLQLEHLLLDLQMILNGINEMNADPELVDLLNRWITFCQSIISTGSVDPEVSAS

		3_L2-2_deimmunized	ELDKLEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**
226	337	Designed Cytokine No. 153 L1-4_L2-1_deimmunized	APTSSSTKKTQLQLEHLLLDLQMILNGINNINGDPELVNFLNRWITFCQSIISTGSVDPELAAK ELDKLEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**
227	338	Designed Cytokine No. 153 L1-4_L2-2_deimmunized	APTSSSTKKTQLQLEHLLLDLQMILNGINNINGDPELVNFLNRWITFCQSIISTGSVDPEVSAS ELDKLEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**
228	339	Designed Cytokine No. 153 L1-6_L2-1_deimmunized	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNGDPELTEMLNRWITFCQSIISTGSVDPELAAK ELDKLEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**
229	340	Designed Cytokine No. 153 L1-6_L2-2_deimmunized	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNGDPELTEMLNRWITFCQSIISTGSVDPEVSAS ELDKLEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**

Table 14 (Variants of Designed Cytokine No. 169)

Designed Cytokine No.	**SEQ ID NO**	**Features**	**Sequence** (Designed Cytokines of the disclosure do not comprise or consist of a sequence requiring the bolded and underlined amino acids below, i.e., the bolded and underlined amino acids are optional).
194	305	Designed Cytokine No. 169 +I99L	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSLEDLKHLQ ALEEELKPLEEVLNLAQSKNFHLRPRDLISNINVLVLELK**GSGSGNWSHPQFEK**
195	306	Designed Cytokine No. 169 +I99L+FactorXaShort	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSLEDLKHLQ ALEEELKPLEEVLNLAQSKNFHLRPRDLISNINVLVLELK**GSIEGRGSGNWSHPQFEK**
196	307	Designed Cytokine No. 169 +I99F	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSLEDLKHLQ ALEEELKPLEEVLNLAQSKNFHLRPRDLISNINVFVLELK**GSGSGNWSHPQFEK**
197	308	Designed Cytokine No. 169 +I99Y	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSLEDLKHLQ ALEEELKPLEEVLNLAQSKNFHLRPRDLISNINVYVLELK**GSGSGNWSHPQFEK**
198	309	Designed Cytokine No. 169 +I99L+L3-4_Truncation	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSLEDLKHLQ ALEEELKPLEEVLNLAQKNFHLRPRDLISNINVLVLELK**GSGSGNWSHPQFEK**
199	310	Designed Cytokine No. 169 +I99L+R81D	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSLEDLKHLQ ALEEELKPLEEVLNLAQSKNFHLDPRDLISNINVLVLELK**GSGSGNWSHPQFEK**
200	311	Designed Cytokine No. 169	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSLEDLKHLQ

		+I99L+R81S	ALEEELKPLEEVLNLAQSKNFHLSPRDLISNINVLVLELK**GSGSGNWSHPQFEK**
201	312	Designed Cytokine No. 169 +I99L+R81N	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSLEDLKHLQ ALEEELKPLEEVLNLAQSKNFHLNPRDLISNINVLVLELK**GSGSGNWSHPQFEK**
202	313	Designed Cytokine No. 169 +I99L+R81N+L85I	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSLEDLKHLQ ALEEELKPLEEVLNLAQSKNFHLNPRDIISNINVLVLELK**GSGSGNWSHPQFEK**
203	314	Designed Cytokine No. 169 +I99L+R81N+L85A	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSLEDLKHLQ ALEEELKPLEEVLNLAQSKNFHLNPRDAISNINVLVLELK**GSGSGNWSHPQFEK**
204	315	Designed Cytokine No. 159 +IL2Rb_Mutations	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSLEDLKHLQ ALEEELKPLEEVLNLAQSKNFHFDPRDVVSNINVFVLELK**GSGSGNWSHPQFEK**
205	316	Designed Cytokine No. 169 +L57I+I99L	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSIEDLKHLQ ALEEELKPLEEVLNLAQSKNFHLRPRDLISNINVLVLELK**GSGSGNWSHPQFEK**
206	317	Designed Cytokine No. 169 +L57V+I99L	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSVEDLKHLQ ALEEELKPLEEVLNLAQSKNFHLRPRDLISNINVLVLELK**GSGSGNWSHPQFEK**
207	318	QSTII-GSGSG-(Designed Cytokine No. 159)+I99L	**QNWSHPQFEKGSGSG**APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQ SIISTGSLEDLKHLQALEEELKPLEEVLNLAQSKNFHLRPRDLISNINVLVLELK
208	319	QSTII-GSGSG-Nterm-trunc-(Designed Cytokine No. 169) +I99L	**QNWSHPQFEKGSGSG**DPTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIIS TGSLEDLKHLQALEEELKPLEEVLNLAQSKNFHLRPRDLISNINVLVLELK
230	341	Designed Cytokine No. 169_L1-1_L2-1_deimmunized	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNLEPELIDFLNRWITFCQSIISTGSLEQLPELQ LLEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**
231	342	Designed Cytokine No. 169_L1-2_L2-1_deimmunized	APTSSSTKKTQLQLEHLLLDLQMILNGINNQNGDPELVELLNRWITFCQSIISTGSLEQLPELQ LLEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**
232	343	Designed Cytokine No. 169_L1-3_L2-1_deimmunized	APTSSSTKKTQLQLEHLLLDLQMILNGINEMNADPELVDLLNRWITFCQSIISTGSLEQLPELQ LLEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**
233	344	Designed Cytokine No. 169_L1-4_L2-1_deimmunized	APTSSSTKKTQLQLEHLLLDLQMILNGINNINGDPELVNFLNRWITFCQSIISTGSLEQLPELQ LLEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**
234	345	Designed Cytokine No. 169_L1-	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNGDPELTEMLNRWITFCQSIISTGSLEQLPELQ

		6_L2-1_deimmunized	LLEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK**GSGSGNWSHPQFEK**

Table 15 (Variants of Designed Cytokine No. 182)

Designed Cytokine No.	**SEQ ID NO**	**Features**	**Sequence** (Designed Cytokines of the disclosure do not comprise or consist of a sequence requiring the bolded and underlined amino acids below, i.e., the bolded and underlined amino acids are optional).
235	346	Designed Cytokine No. 182_L1-1_L2-1_deimmunized	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNLEPELIDFLNRWITFCQSIISTGSLEQLPELQ LLEEELKPLEEVLNLAQSKNFHLNPRDLISNINVLVLELK**GSGSGNWSHPQFEK**
236	347	Designed Cytokine No. 182_L1-2_L2-1_deimmunized	APTSSSTKKTQLQLEHLLLDLQMILNGINNQNGDPELVELLNRWITFCQSIISTGSLEQLPELQ LLEEELKPLEEVLNLAQSKNFHLNPRDLISNINVLVLELK**GSGSGNWSHPQFEK**
237	348	Designed Cytokine No. 182_L1-3_L2-1_deimmunized	APTSSSTKKTQLQLEHLLLDLQMILNGINEMNADPELVDLLNRWITFCQSIISTGSLEQLPELQ LLEEELKPLEEVLNLAQSKNFHLNPRDLISNINVLVLELK**GSGSGNWSHPQFEK**
238	349	Designed Cytokine No. 182_L1-4_L2-1_deimmunized	APTSSSTKKTQLQLEHLLLDLQMILNGINNINGDPELVNFLNRWITFCQSIISTGSLEQLPELQ LLEEELKPLEEVLNLAQSKNFHLNPRDLISNINVLVLELK**GSGSGNWSHPQFEK**
239	350	Designed Cytokine No. 182_L1-6_L2-1_deimmunized	APTSSSTKKTQLQLEHLLLDLQMILNGINNMNGDPELTEMLNRWITFCQSIISTGSLEQLPELQ LLEEELKPLEEVLNLAQSKNFHLNPRDLISNINVLVLELK**GSGSGNWSHPQFEK**

Nucleic Acids

[134] In some embodiments of the disclosure, the terms "Nucleic acid," "nucleic acid molecule," "nucleotide," "nucleotide sequence," "polynucleotide," and grammatical variants thereof are used interchangeably and refer to the phosphate ester polymeric form of ribonucleosides (adenosine, guanosine, uridine or cytidine; "RNA molecules") or deoxyribonucleosides (deoxyadenosine, deoxyguanosine, deoxythymidine, or deoxycytidine; "DNA molecules"), or any phosphoester analogs thereof, such as phosphorothioates and thioesters, in either single stranded form, or a double-stranded helix. Single stranded nucleic acid sequences refer to single-stranded DNA (ssDNA) or single-stranded RNA (ssRNA). Double stranded DNA-DNA, DNA-RNA and RNA-RNA helices are possible.

[135] In some embodiments of the disclosure, "Nucleic acid," and in particular a DNA or RNA molecule, refers only to the primary and secondary structure of the molecule, and does not limit it to any particular tertiary forms. In some embodiments of the disclosure, "Nucleic acid," includes double-stranded DNA found, inter alia, in linear or circular DNA molecules (e.g., restriction fragments), plasmids, supercoiled DNA and chromosomes. In discussing the structure of particular double-stranded DNA molecules, sequences are provided according to the normal convention of writing the sequence left to right in the 5' to 3' direction along the non-transcribed strand of DNA (i.e., the strand having a sequence homologous to the messenger RNA or mRNA). Unless otherwise indicated, all nucleic acid and nucleotide sequences are written left to right in 5' to 3' orientation.

[136] Nucleotides are referred to by their commonly known one-letter symbols recommended by the IUPAC-IUB Biochemical Nomenclature Commission. Accordingly, 'A' represents adenine, 'C' represents cytosine, 'G' represents guanine, 'T' represents thymine, and 'U' represents uracil.

[137] In some embodiments of the disclosure, the term "Polynucleotide" refers to polymers of nucleotides of any length or type, including ribonucleotides, deoxyribonucleotides, analogs thereof, or mixtures thereof. This term refers to the primary structure of the molecule. Thus, the term includes triple-, double- and single-stranded deoxyribonucleic acid ("DNA") and ribonucleic acid ("RNA"). It also includes modified, for example by alkylation and/or by capping, and unmodified forms of the polynucleotide. More particularly, "polynucleotide" includes polydeoxyribonucleotides (containing 2-deoxy-D-ribose) and polyribonucleotides

(containing D-ribose), including mRNA, whether spliced or unspliced, any other type of polynucleotide which is an N- or C-glycoside of a purine or pyrimidine base, and other polymers containing nucleotide backbones, for example, polyamide (e.g., peptide nucleic acids "PNAs") and polymorpholino polymers, and other synthetic sequence-specific nucleic acid polymers providing that the polymers contain nucleobases in a configuration which allows for base pairing and base stacking, such as is found in DNA and RNA.

[138] In some embodiments of the disclosure, a polynucleotide comprises a DNA sequence. In some embodiments of the disclosure, a polynucleotide comprises a DNA sequence inserted in a vector or a vector comprising a DNA sequence.

[139] In some embodiments of the disclosure, a polynucleotide comprises an mRNA. In some embodiments, the mRNA is a synthetic mRNA or the mRNA comprises a synthetic nucleotide.

[140] In some embodiments of the disclosure, a polynucleotide comprises at least one unnatural, non-naturally occurring or modified nucleic acid. In some embodiments, the polynucleotide comprises a plurality of unnatural, non-naturally occurring or modified nucleic acids. In some embodiments, all nucleic acids of a certain class are unnatural, non-naturally occurring or modified nucleic acids (e.g., all uridines in a polynucleotide can be replaced with an unnatural nucleobase, e.g., 5-methoxy uridine).

[141] In some embodiments of the disclosure, "expression" refers to the transcription and/or translation of a particular nucleotide sequence driven by a promoter.

[142] In some embodiments of the disclosure, "expression vector" refers to a plasmid, virus, or other nucleic acid designed for polypeptide expression in a cell. The vector or construct is used to introduce a gene into a host cell whereby the vector will interact with polymerases in the cell to express the protein encoded in the vector/construct. The expression vector may exist in the cell extrachromosomally or may be integrated into the chromosome. Expression vectors may include additional sequences which render the vector suitable for replication and integration in prokaryotes, eukaryotes, or preferably both (e.g., shuttle vectors). The polynucleotides of the disclosure may be provided as components of expression vectors.

[143] In some embodiments of the disclosure, "cloning vector" refers to a plasmid, virus, or other nucleic acid designed for producing copies of a polynucleotide. Cloning vectors may contain transcription and translation initiation sequences, transcription and translation termination sequences and a polyadenylation signal. Such constructs will typically include a 5′

LTR, a tRNA binding site, a packaging signal, an origin of second-strand DNA synthesis, and a 3′ LTR or a portion thereof. The polynucleotides of the disclosure may be provided as components of cloning vectors, which may be used to produce the polynucleotides of the disclosure.

[144] In some embodiments of the disclosure, "encoding" or the like refers to the capacity of specific sequences of nucleotides in a polynucleotide (e.g. a gene, cDNA, or mRNA) to serve as templates for synthesis of other polymers and macromolecules in biological processes having either a defined sequence of nucleotides (e.g., rRNA, tRNA and mRNA) or a defined sequence of amino acids. Thus, a gene, cDNA, or RNA, encodes a protein if transcription and translation of mRNA corresponding to that gene produces the protein in a cell or other biological system. Both the coding strand, the nucleotide sequence of which is identical to the mRNA sequence and is usually provided in sequence listings, and the non-coding strand, used as the template for transcription of a gene or cDNA, can be referred to as encoding the protein or other product of that gene or cDNA.

[145] Unless otherwise specified, a nucleotide sequence "encoding an amino acid sequence," e.g., a polynucleotide "encoding" a chimeric polypeptide, defined below of the present disclosure, includes all nucleotide sequences that are degenerate versions of each other and that encode the same amino acid sequence.

Polypeptides

[146] Amino acids are referred to by either their commonly known three letter symbols or by the one-letter symbols recommended by the IUPAC-IUB Biochemical Nomenclature Commission. The amino acid residues are abbreviated as follows, where the abbreviations are shown in parentheses: alanine (Ala; A), asparagine (Asn; N), aspartic acid (Asp; D), arginine (Arg; R), cysteine (Cys; C), glutamic acid (Glu; E), glutamine (Gln; Q), glycine (Gly; G), histidine (His; H), isoleucine (Ile; I), leucine (Leu; L), lysine (Lys; K), methionine (Met; M), phenylalanine (Phe; F), proline (Pro; P), serine (Ser; S), threonine (Thr; T), tryptophan (Trp; W), tyrosine (Tyr; Y), and valine (Val; V).

[147] Amino acid sequences are written left to right in amino to carboxy orientation.

[148] In some embodiments of the disclosure, "Polypeptide" may refer to a sequence of amino acid subunits. In some embodiments, a "peptide" can be less than or equal to 50 amino acids long, e.g., about 5, 10, 15, 20, 25, 30, 35, 40, 45, or 50 amino acids long. "Polypeptide," refers to

proteins, polypeptides, and peptides of any length, size, structure, or function. "Polypeptide," "peptide," and "protein" are used interchangeably to refer to polymers of amino acids of any length.

[149] Polypeptides of the disclosure may comprise naturally or synthetically created or modified amino acids, for example, disulfide bond formation, glycosylation, lipidation, acetylation, phosphorylation, or any other manipulation or modification, such as conjugation with a labeling component. Also included within the definition are, for example, polypeptides in which one or more amino acid residues are artificial chemical analogs of a corresponding naturally occurring amino acid (including, for example, synthetic amino acids such as homocysteine, ornithine, p-acetylphenylalanine, D-amino acids, and creatine), as well as other modifications known in the art. Polypeptides also include gene products, homologs, orthologs, paralogs, fragments and other equivalents, variants, and analogs of the foregoing. A polypeptide may comprise a single polypeptide or can be a multi-molecular complex such as a dimer, trimer or tetramer. Polypeptides of the disclosure may comprise single-chain or multi-chain polypeptides. Most commonly disulfide linkages are found in multi-chain polypeptides.

[150] The polypeptides of the disclosure may comprise L-amino acids + glycine, D-amino acids + glycine (which are resistant to L-amino acid-specific proteases in vivo), or a combination of D- and L-amino acids + glycine. Polypeptides described may be chemically synthesized or recombinantly expressed.

[151] The polypeptides of the disclosure can include additional residues at the N-terminus, C-terminus, internal to the polypeptide, or a combination thereof; these additional residues are not included in determining the percent identity of the polypeptides of the disclosure relative to the reference polypeptide. Such residues may be any residues suitable for an intended use, including but not limited to tags.

[152] In some embodiments of the disclosure, "chimeric polypeptide" may refer to any polypeptide comprised of a first amino acid sequence derived from a first source, bonded, covalently or noncovalently, to a second amino acid sequence derived from a second source, wherein the first and second source are not the same. In some embodiments, a first source and a second source that are not the same can include two different biological entities, or two different proteins from the same biological entity, or a biological entity and a non-biological entity. A chimeric protein can include for example, a protein derived from at least 2 different biological

sources. In some embodiments, the chimeric polypeptide may include sequences from similar proteins derived from two distinct species. In some embodiments, the chimeric polypeptide may include sequences from dissimilar proteins derived from the same species. A biological source can include any non-synthetically produced nucleic acid or amino acid sequence (e.g. a genomic or cDNA sequence, a plasmid or viral vector, a native virion or a mutant or analog of any of the above). A synthetic source can include a protein or nucleic acid sequence produced chemically and not by a biological system (e.g. solid phase synthesis of amino acid sequences). A chimeric protein can also include a protein derived from at least 2 different synthetic sources or a protein derived from at least one biological source and at least one synthetic source. A chimeric protein may also comprise a first amino acid sequence derived from a first source, covalently or noncovalently linked to a nucleic acid, derived from any source or a small organic or inorganic molecule derived from any source. The chimeric protein can comprise a linker molecule between the first and second amino acid sequence or between the first amino acid sequence and the nucleic acid, or between the first amino acid sequence and the small organic or inorganic molecule.

[153] In some embodiments of the disclosure, a "fragment" of a polypeptide, or a "truncated polypeptide" may refers to an amino acid sequence of a polypeptide that is shorter than the sequence of a reference polypeptide (which may be a naturally-occurring sequence). In comparison to the reference polypeptide, the fragment may comprise an N- and/or C-terminal deletion. In comparison to the reference polypeptide, the fragment may comprise a deletion of any part of the sequence, whether or not the deletion is contiguous. A polypeptide in which internal amino acids have been deleted with respect to the naturally occurring sequence is also considered a fragment. The various polypeptide components of the disclosure may be provided as fragments or truncated versions of a reference protein.

[154] In some embodiments of the disclosure, a "functional fragment" may refer to a polypeptide fragment that retains a function of the polypeptide. In some embodiments, a functional fragment of a bioactive peptide (*e.g.,* an enzyme), retains the ability to catalyze a biological action because the functional fragment comprises a catalytic domain of the enzyme. Polypeptides of the disclosure may be provided as functional fragments or truncated versions.

[155] In some embodiments of the disclosure, "amino acid substitution" may refer to replacing an amino acid residue present in a parent or reference sequence with another amino acid residue.

In some embodiments, the parent or reference sequence comprises a wildtype sequence. An amino acid can be substituted, for example, via chemical peptide synthesis or through recombinant methods known in the art. For example, substituting an amino acid residue with an alternative amino acid residue is conducted by substituting the codon encoding the first amino acid with a codon encoding the second amino acid. Polypeptides of the disclosure may be provided with one or more amino acid substitutions.

[156] In some embodiments of the disclosure, a "conservative amino acid substitution" is one in which one amino acid residue is replaced with an amino acid residue having a chemically similar side chain. Families of amino acid residues having similar side chains have been defined in the art, including acidic side chains (e.g., aspartic acid, glutamic acid), basic side chains (e.g., lysine, arginine, histidine), uncharged polar side chains (e.g., glycine, asparagine, glutamine, serine, threonine, tyrosine, cysteine), nonpolar side chains (e.g., alanine, valine, leucine, isoleucine, proline, phenylalanine, methionine, tryptophan), beta-branched side chains (e.g., threonine, valine, isoleucine) and aromatic side chains (e.g., tyrosine, phenylalanine, tryptophan, histidine). Thus, if an amino acid in a polypeptide is replaced with another amino acid from the same side chain family, the substitution is considered to be conservative. In some embodiments, a string of amino acids can be conservatively replaced with a chemically similar string that differs in order and/or composition of side chain family members. The various polypeptide components of the disclosure may be provided with conservative amino acid substitutions.

[157] In some embodiments of the disclosure, non-conservative amino acid substitutions include those in which (i) a residue having an electropositive side chain (e.g., Arg, His or Lys) is substituted for, or by, an electronegative residue (e.g., Glu or Asp), (ii) a hydrophilic residue (e.g., Ser or Thr) is substituted for, or by, a hydrophobic residue (e.g., Ala, Leu, Ile, Phe or Val), (iii) a cysteine or proline is substituted for, or by, any other residue, or (iv) a residue having a bulky hydrophobic or aromatic side chain (e.g., Val, His, Ile or Trp) is substituted for, or by, one having a smaller side chain (e.g., Ala or Ser) or no side chain (e.g., Gly). The various polypeptide components of the disclosure may be provided with non-conservative amino acid substitutions. The likelihood that one of the foregoing non-conservative substitutions can alter functional properties of the protein is also correlated to the position of the substitution with respect to functionally important regions of the protein: some non-conservative substitutions can accordingly have little or no effect on biological properties. The various polypeptide

components of the disclosure may be provided with non-conservative amino acid substitutions that do not significantly alter the functionality of the altered components.

Sequence Analyses

[158] In some embodiments of the disclosure, "identity" refers to the overall monomer conservation between polymeric molecules, e.g., between polypeptide molecules or polynucleotide molecules. "Identical" without any additional qualifiers, e.g., protein A is identical to protein B, implies the sequences are 100% identical (100% sequence identity). Describing two sequences as, e.g., "70% identical," is equivalent to describing them as having, e.g., "70% sequence identity."

[159] When a position in the first sequence is occupied by the same amino acid as the corresponding position in the second sequence, then the molecules are identical at that position. The percent identity between the two sequences is a function of the number of identical positions shared by the sequences, taking into account the number of gaps, and the length of each gap, which needs to be introduced for optimal alignment of the two sequences. The comparison of sequences and determination of percent identity between two sequences can be accomplished using a mathematical algorithm.

[160] In certain embodiments, the percentage identity (%ID) of a first amino acid (or nucleic acid) sequence to a second amino acid (or nucleic acid) sequence is calculated as %ID = 100 (Y/Z), where Y is the number of amino acid (or nucleobase) residues scored as identical matches in the alignment of the first and second sequences (as aligned by visual inspection or a particular sequence alignment program) and Z is the total number of residues in the second sequence. If the length of a first sequence is longer than the second sequence, the percent identity of the first sequence to the second sequence will be higher than the percent identity of the second sequence to the first sequence.

[161] Calculation of the percent identity of two polypeptide sequences, for example, can be performed by aligning the two sequences for optimal comparison purposes. For example, gaps can be introduced in one or both of a first and a second polypeptide sequences for optimal alignment and non-identical sequences can be disregarded for comparison purposes. In certain embodiments, the length of a sequence aligned for comparison purposes is at least 30%, at least 40%, at least 50%, at least 60%, at least 70%, at least 80%, at least 90%, at least 95%, or 100%

of the length of the reference sequence. The amino acids at corresponding amino acid positions are then compared.

[162] Generation of a sequence alignment for the calculation of a percent sequence identity is not limited to binary sequence-sequence comparisons exclusively driven by primary sequence data. It will also be appreciated that sequence alignments can be generated by integrating sequence data with data from heterogeneous sources such as structural data (e.g., crystallographic protein structures), functional data (e.g., location of mutations), or phylogenetic data. A suitable program that integrates heterogeneous data to generate a multiple sequence alignment is T-Coffee, available at www.tcoffee.org, and alternatively available, e.g., from the European Bioinformatics Institute (EBI) at website ebi.ac.uk/Tools/psa. It will also be appreciated that the final alignment used to calculate percent sequence identity can be curated either automatically or manually.

[163] Suitable software programs are available from various sources, and for alignment of both protein and nucleotide sequences. One suitable program to determine percent sequence identity is bl2seq, part of the BLAST suite of programs available from the U.S. government's National Center for Biotechnology Information BLAST website (blast.ncbi.nlm.nih.gov). B12seq performs a comparison between two sequences using either the BLASTN or BLASTP algorithm. BLASTN is used to compare nucleic acid sequences, while BLASTP is used to compare amino acid sequences. Other suitable programs are, e.g., Needle, Stretcher, Water, or Matcher, part of the EMBOSS suite of bioinformatics programs and also available from the EBI. Sequence alignments can be conducted using methods known in the art such as MAFFT, Clustal (ClustalW, Clustal X or Clustal Omega), MUSCLE, etc. Different regions within a single polynucleotide or polypeptide target sequence that aligns with a polynucleotide or polypeptide reference sequence can each have their own percent sequence identity. It is noted that the percent sequence identity value is rounded to the nearest tenth. For example, values from 80.11 to 80.14 are rounded down to 80.1, while values from 80.15 to 80.19 are rounded up to 80.2. It also is noted that the length value will always be an integer.

[164] In some embodiments of the disclosure, "non-naturally occurring" means a polypeptide or a polynucleotide sequence that does not exist in nature. In some embodiments, the non-naturally occurring sequence does not exist in nature because the sequence is altered relative to a naturally occurring sequence. In some embodiments, the non-naturally occurring sequence does

not exist in nature because it is a combination of two known, naturally-occurring, sequences (e.g., chimeric polypeptide) that do not occur together in nature. In some embodiments, a non-naturally occurring polypeptide is a chimeric polypeptide. In some embodiments, a polypeptide or a polynucleotide is not naturally occurring because the sequence contains a portion (e.g., a fragment) that cannot be found in nature, i.e., a novel sequence. Any of the polynucleotides described herein may be provided as non-naturally occurring sequences, e.g., having sequences which are altered relative to native sequences or provided as polynucleotides which are linked to other polynucleotides in a manner that does not exist in nature. Any of the polypeptides described herein may be provided as non-naturally occurring sequences, e.g., having sequences which are altered relative to native sequences or provided as polypeptides which are linked to other polypeptides in a manner that does not exist in nature.

Therapeutic Methods

[165] In some embodiments of the disclosure, the term "therapeutically effective" may refer to imparting a beneficial effect on the recipient, e.g., providing some alleviation, mitigation, or decrease in at least one clinical symptom in the subject. Therapeutic effects of the disclosure need not be complete or curative, as long as some benefit is provided to the subject. For example, a therapeutic regimen that incorporates the polynucleotides, gene therapy vectors or cells of the disclosure with the small molecules of the disclosure may be structured such that the regimen is therapeutically effective as a whole.

[166] In some embodiments of the disclosure, the term "therapeutically effective amount" refers to a dose or an amount of a nucleic acid, vector, polypeptide, composition, pharmaceutical composition or cell of the disclosure sufficient to impart a therapeutically effective benefit on the recipient. For example, polynucleotides, gene therapy vectors or cells of the disclosure may be administered in a therapeutically effective amount. A subject who has been administered polynucleotides, gene therapy vectors or cells of the disclosure may subsequently be administered a therapeutically effective amount of a small molecule of the disclosure, i.e., an amount sufficient to impart a beneficial effect on the recipient given the previous administration of polynucleotides, gene therapy vectors or cells.

Cell Therapy

[167] In some embodiments of the disclosure, the term "stem cell" may refer to an undifferentiated or partially differentiated cell that can differentiate into various types of cells and proliferate indefinitely to produce more of the same stem cell.

[168] In some embodiments of the disclosure, the term "Pluripotent stem cell" (PSC) may refer to a cell that can maintain an undifferentiated state indefinitely and can differentiate into most, if not all cells of the body.

[169] In some embodiments of the disclosure, the term "Induced pluripotent stem cell" (iPS or iPSC) may refer to a pluripotent stem cell that can be generated directly from a somatic cell. This includes, but is not limited to, specialized cells such as skin or blood cells derived from an adult.

[170] In some embodiments of the disclosure, the term "multipotent" may refer to a cell that can develop into more than one cell type but is more limited than a pluripotent cell. For example, adult stem cells and cord blood stem cells may be considered as multipotent.

[171] In some embodiments of the disclosure, the term "hematopoietic cell" may refer to a cell that arises from a hematopoietic stem cell (HSC). Hematopoietic cells of the disclosure include, but is not limited to, myeloid progenitor cells, lymphoid progenitor cells, megakaryocytes, erythrocytes, mast cells, myeloblasts, basophils, neutrophils, eosinophils, macrophages, thrombocytes, monocytes, natural killer cells, T lymphocytes, B lymphocytes and plasma cells.

[172] In some embodiments of the disclosure, the term "T-lymphocyte" or "T-cell" may refer to a hematopoietic cell that normally develops in the thymus. T-lymphocytes or T-cells include, but are not limited to, natural killer T cells, regulatory T cells, helper T cells, cytotoxic T cells, memory T cells, gamma delta T cells, and mucosal invariant T cells.

[173] In some embodiments of the disclosure, the term "mesenchyme" may refer to a type of animal tissue comprising loose cells embedded in a mesh of proteins and fluid, i.e., the extracellular matrix. Mesenchyme directly gives rise to most of the body's connective tissues including bones, cartilage, lymphatic system, and circulatory system.

[174] In some embodiments of the disclosure, the term "mesenchymal cell" may refer to a cell that is derived from a mesenchymal tissue. In some embodiments, cells of the disclosure may be mesenchymal cells.

[175] In some embodiments of the disclosure, the term "mesenchymal stromal cell" (MSC) may refer to a spindle shaped plastic-adherent cell isolated from bone marrow, adipose, and other tissue sources, with multipotent differentiation capacity in vitro. For example, a mesenchymal stromal cell can differentiate into osteoblasts (bone cells), chondrocytes (cartilage cells), myocytes (muscle cells), and adipocytes (fat cells which give rise to marrow adipose tissue). The term mesenchymal stromal cell is suggested in the scientific literature to replace the term "mesenchymal stem cell". In some cases, cells of the disclosure may be mesenchymal stromal cells.

[176] In some embodiments of the disclosure, an "autologous cell" is a cell obtained from the same individual to whom it may be administered as a therapy (the cell is autologous to the subject). Autologous cells of the disclosure include, but are not limited to, hematopoietic cells and stem cells, such as hematopoietic stem cells.

[177] In some embodiments of the disclosure, an allogeneic cell is a cell obtained from an individual who is not the intended recipient of the cell as a therapy (the cell is allogeneic to the subject). Allogeneic cells of the disclosure may be selected from immunologically compatible donors with respect to the subject of the methods of the disclosure. Allogeneic cells of the disclosure may be modified to produce "universal" allogeneic cells, suitable for administration to any subject without unintended immunogenicity. Allogeneic cells of the disclosure include, but are not limited to, hematopoietic cells and stem cells, such as hematopoietic stem cells.

[178] In some embodiments of the disclosure, the term "Transfect" or "transform" or "transduce" may refer to a process by which exogenous nucleic acid is transferred or introduced into a host cell. In some embodiments, a "transfected" or "transformed" or "transduced" cell is one which has been transfected, transformed or transduced with exogenous nucleic acid or progeny of the cell.

[179] In some embodiments of the disclosure, the term "Cell therapy" may refer to the provision or delivery of cells into a recipient for therapeutic purposes.

Formulations

[180] In some embodiments of the disclosure, "pharmaceutically acceptable" refers to compounds, materials, compositions, and/or dosage forms which are, within the scope of sound medical judgment, suitable for use in contact with the tissues of human beings and animals without excessive toxicity, irritation, allergic response, or other problem or complication

commensurate with a reasonable benefit/risk ratio. For example, the small molecules, polynucleotides, polypeptides, gene therapy vectors or cells of the disclosure may be administered as part of a composition together with other pharmaceutically acceptable components, including pharmaceutically acceptable carriers.

[181] In some embodiments of the disclosure, the term "pharmaceutically acceptable salts" refers to derivatives of the small molecules of the disclosure wherein the specified compound is converted to an acid or base salt thereof. Such pharmaceutically acceptable salts include, but are not limited to, mineral or organic acid salts of basic residues such as amines; alkali or organic salts of acidic residues such as carboxylic acids; and the like. The pharmaceutically acceptable salts include the conventional non-toxic salts or the quaternary ammonium salts of the parent compound formed, for example, from non-toxic inorganic or organic acids. For example, such conventional non-toxic salts include those derived from inorganic acids such as hydrochloric, hydrobromic, sulfuric, sulfamic, phosphoric, nitric and the like; and the salts prepared from organic acids such as acetic, propionic, succinic, glycolic, stearic, lactic, malic, tartaric, citric, ascorbic, pamoic, maleic, hydroxymaleic, phenylacetic, glutamic, benzoic, salicylic, sulfanilic, 2-acetoxybenzoic, fumaric, toluensulfonic, methanesulfonic, ethanedisulfonic, oxalic, isethionic, and the like. For example, the small molecules of the disclosure may be provided as pharmaceutically acceptable salts.

[182] In some embodiments of the disclosure, the term "excipients" refer to pharmacologically inert ingredients that are not active in the body. See, for example, Hancock, B. C., Moss, G. P., & Goldfarb, D. J. (2020). Handbook of pharmaceutical excipients. London: Pharmaceutical Press, the entire disclosure of which is incorporated herein by reference. The small molecules of the disclosure may be mixed with pharmaceutically acceptable carriers, diluents, adjuvants, excipients, or vehicles, such as preserving agents, fillers, polymers, disintegrating agents, glidants, wetting agents, emulsifying agents, suspending agents, sweetening agents, flavoring agents, perfuming agents, lubricating agents, acidifying agents, and dispensing agents, depending on the nature of the mode of administration and dosage forms. Such ingredients, including pharmaceutically acceptable carriers and excipients that may be used to formulate oral dosage forms. Pharmaceutically acceptable carriers include water, ethanol, polyols, vegetable oils, fats, waxes polymers, including gel forming and non-gel forming polymers, and suitable mixtures thereof. Examples of excipients include starch, pregelatinized starch, Avicel, lactose, milk sugar,

sodium citrate, calcium carbonate, dicalcium phosphate, and lake blend. Examples of disintegrating agents include starch, alginic acids, and certain complex silicates. Examples of lubricants include magnesium stearate, sodium lauryl sulfate, talc, as well as high molecular weight polyethylene glycols. For example, the small molecules, polynucleotides, gene therapy vectors or cells of the disclosure may be provided and administered in compositions that include pharmaceutically acceptable excipients.

Sequences

Table 16: Exemplary Consensus Concatemer Sequences

Gene	Consensus Motif
JUNB	RATGAWTCAT
JUND	NNTGAWTCATSNNNRRANT
BATF	TGAWTCATSNYNRRA
FOS	GATGAWTCAYNNN
BATF	DATGAWTCAT
ATF3	DATGAWTCATHN
NFE2L1	ATGACTCAY
JUNB	NNRTGAWTCATNNNN
FRA2	GGATGACTCATC
IRF4	NNWNNNGAANTGANSWSN
FOSL2	NATGAWTCABNN
FOS	NDATGAWTCAYN
ZSCAN5C	GNTTTRTTNACTCAC
ZBTB37	RTCGGCYAANSCGGCAN
ZNF442	ACTCTTTCTCTGCTGCAAYACCTGCTGTY
ZBTB20	NMYATACRTTNN
SMAD3	YGTCTAGACA
FRA1	NNATGAWTCATH
AICE	GAAATGAGTCA
JUN-AP1	GATGACTCATCN
JDP2	ATGASTCAT
HOXD11	RTCGTAAAAN
FOSL2	NRTGASTCATCCNN
ZBTB7C	NCGACCACCGNN
POU1F1	NNNATGMATASTTAATN
GRHL2	NNNAACTGGTTTNNN
ZBTB7B	NCGACCACCGAA
NR2E3	AAAGTCAAAAGTCA
HOXC9	GTCGTAAAAN
TBX3	NAGGTGTSAN
ZNF266	NNNRCTCACAGGYCC
ZNF669	GTCATCR
HOXC11	NTTTWACGACN
HOXA10	RGTCGTAAAAN
FOSL1	NGGTGAWTCAT

ZNF587	CANNTGGCGCCCAACATKGGNCNN
ATF1	TKRCGTCAYNN
ZNF652	TTAACCCTTTVNKKN
ATF2	ATGACGTCAY
ZNF440	ARTKGTTCTGCTNNN
PKNOX2	TGACAGGTGTCA
SMAD5	YGTCTAGACA
RFX1	GGTTGCCATGGCAA
HOXB9	GTCGTAAAAN
ZNF433	ACYAWTGTRRTMATT
PKNOX1	TGACAGWTGTCA
PBX2	NTGATTGACAGN
ATF1	GATGACGTCA
MYCN	NNCCACGTGGNN
SOX7	AACAATRTNCAKTGTT
ZBTB22	NKCACTAYNRTAGTGMN
BACH2	NNTGACTCAGCANN
NFKB2	NGGGGASTCCCCN
OSR2	NCNGCTNCTGN
BACH2	TGCTGAGTCA
TGIF2LY	TGACAGCTGTCA
DUX4	TAAYYYAATCA
MAFK	TGCTGAWTCAGCA
VDR	GRGTTCATYGRGTTCA
IRF:BATF	CTTTCANTATGACTV
GLI3	GACCACCCANG
JUN	CATNCCSNNNNGRTGAWKYM
CREB1	NNTGACGTCANN
PBX3	CCTGTCAATCAN
GLI1	GACCACCCAMG
MAFG	NSSNTGCTGASTCAGCANSSN
MAFA	TGCTGACTCA
ATF7	NGRTGACGTCAY
HOXA11	GGTCGTAAAAN
PRDM14	AGGTCTCTAACC
RXRA	NRRGGTCA
ZNF350	CNGCYYTTTTSTNACCNNNCN
NRF	GTGCGCATGCGC
CREB3L4	NRTGACGTCAYN
NF-E2	GATGACTCAGCA
MYB	GGCVGTTR
ZBTB43	NGTGCCNNNNNNNNYAGCACN
NFE2L2	ATGACTCAGCANSS
GATA:SCL	CGGCTGCNGNNNNCAGATAA
PPARD	NRRGGTCAAAGGTCAN
IRF4	ACTGAAACCA
SPDEF	AMCCGGATGTS
BZIP:IRF	NAGTTTCABTHTGACTNS
ISL2	YTAAKTGC

TGIF2	TGTCANYT
KLF5	GCCCCRCCCH
RELB	NNATTCCCCNN
AMYB	TGGCAGTTGG
KLF10	GGGGGTGTGTCC
MAFF	TGCTGACTCAGCANS
ELF1	NNNASCCGGAAGYGW
NR2F1	RRGGTCAAAGGTCAN
ESR1	NNNCCAAGGTCANN
ZNF736	AAAARCCCCAGA
COUP-TFII	AGRGGTCA
ZNF26	TGATGAC
TCF7	AWATCAAAG
BACH1	ASSNTGCTGAGTCAT
POU3F3	SSTATGCSAATTW
GATA3	NSGATARNNATCSWN
TFAP4	ASCAGCTGAT
NFE2L2	ASSSTGCTGAGTCAT
BCL11A	NTTTCAWTTCCYCNT
ANHX	TTGACASG
ZNF467	TGGGGAAGGGCM
NKX2-3	NNNAAGTGWN
GATA	NAGATSNBNATCTNN
ZNF282	CTCCCW
ZNF561	TTTCTGC
MAFB	SNTGCTGAWTCAGCASWTTY
GLI2	GACCACCCANG
IRF6	RGTSTCGNNNNNNYGASACT
MAFB	NNTGCTGAWTCAGCANSS
ATOH1	AACAGCTGTC
NRF2	HTGCTGAGTCAT
ASCL1	NNAGCAGCTGWNN
ZIM3	NNTRGNTTTCTGTTNNYN
SALL4	CCCSCCCNNC
NFE2	NATGACTCAGCANSTNN
STAT1	NYCNTTTCCNGGAANNCNNNN
ZKSCAN5	TCACCTCCN
LYL1	NNGRNARCAGMTGN
T1ISRE	ACTTTCGTTTCT
ZKSCAN7	NYAAACTGTNRAGYGCN
KLF14	GGCCMCGCCCMCYN
GATA5	WGATAANN
ZNF439	CAGTCACCYTCSGG
CREB3	NNRTGACGTCAYCM
EAR2	NRBCARRGGTCA
FOXP1	NNGTAAACAGNN
STAT3	CNTTTMCYGGAARTWANNNN
NR1H4	NNGGTCATTNN
PATZ1	CCCCKCCC

FOXK2	WCHTGTTTACAT
OVOL2	NNSCCGTTANNNN
RXR	TAGGGCAAAGGTCA
AP4	NAHCAGCTGD
MOUSE_RECOMBINATION_HOTSPOT	ACTYKNATTCGTGNTACTTC
GATA1	CAGATAAGGN
ZNF141	NNNNNNNNGGKGGGRGCGTCCCCC
HIC1	TGCCAGCB
ZNF821	NTGTCYGTCTGTCCN
ZNF174	NGNCRRTCACTYGCCN
MAF	NGTCAGCAN
MYOD	AGCAGCTGCTGC
CHR	CGGTTTCAAA
C-JUN-CRE	ATGACGTCATCC
GATA2	NNSGATAAGNN
STAT6	NTTCCWWAGAA
ELK1	ACCGGAAGTN
MSX1	TAATTGWNNTTTAATTGN
HAND2	TGACANARRCCAGRC
MSX2	TAATTGWSSTTTAATTGC
PBX3	NNNNGCCAATWRNNN
ZNF12	YNYTYWTYNCNGCNGCNW
KLF1	VDGGGYGGGGCY
GATA2	NCCTTATCTC
SP5	RGKGGGCGGAGC
RUNX2	NRACCGCAAACCGCAN
MYB	NNCAACTGNN
ETS:RUNX	ACAGGATGTGGT
BMYB	NHAACBGYYV
ESRRB	TCAAGGTCASN
ZNF681	YCNNCGTCCTTN
HNF4A	NRGNNCAAAGKYCAN
NRL	GTCAGCANNNN
ZNF77	ACTYCAC
AP-2ALPHA	ATGCCCTGAGGC
NKX2-5	NTYAAGTGGN
ZNF223	YGCCMYCTDWTGGC
RFX6	TGTTKCCTAGCAACM
ZSCAN22	WMCAGTCSGAKGGAGGAGGC
ZNF740	NCCCCCCCAC
NF1:FOXA1	NNTGTTTATTTTGGCA
GATA1	NWAGATAAGNN
BARX2	NTAATKRTTSSN
TCF3	ACATCAAAGG
ZKSCAN3	GGCTAGCCC
STAT5B	NNTTCYMRGAAN
ZNF75D	GTGGGAAAGCCT
WT1	CYCCNCCYCCTCCCCCNCCY

MAZ	GGGGGGGG
MEIS1	VGCTGWCAVB
ZNF431	NNGNCTTCYAGCCYN
ZNF708	NNGCTGTACCTNCYNNNNNNN
STAT2	NTNAGTTTCRNTTTC
NFIX	YTGGCNNNNTGCCAA
FOXL1	RTAAACA
IRF2	WGAAAGYGAAASCNSSNC
ZNF398	CTSYYTCCCTCCCT
CREB5	VVATGACGTCAT
BARX1	TAATNGNTSTTTAATNG
PRDM9	ADGGYAGYAGCATCT
TAL1	NCTTATCTWNNNNNNWCAG
IRF1	AAANNGAAAGTGAAAWTRNNN
USF1	GGTCACGTGA
FXR	AGGTCANTGACCTN
ZBTB2	NTTTCCGGTAAN
ZNF304	CCCCCKCCCCRSTCWRGCCYNNNN
OLIG3	AMCATATGNY
KLF9	NNCCACACCCACN
ZNF232	CTTAATCTACRTTTAACAY
TFEB	RTCACGTGAY
ZNF468	CRCCCCCTCCCN
ZNF684	ACAGTCCACCCCTT
FEV	ACCGGAAGTN
ASCL1	NNVVCAGCTGBN
MLX	ATCACGTGAY
ALX3	NNTAATTRNN
UNKNOWN-ESC-ELEMENT	CACAGCAGGGGG
ZNF302	AGTTGAGTGACTGYRGTT
ZNF263	CYCCYCCYCNNCCTCCTCCYY
ZNF649	TTATAT
ETV4	ACCGGAAGTN
KLF12	CCNNGCCCCGCCCCN
MYF6	AACARCTGTT
OVOL1	NNSACCGTTATNYN
FOXC2	NGTMAATATTKACN
NEUROG2	ACCATCTGTT
INSM1	YGCCCCCTGRCA
ZNF695	TTCCTCY
ZNF41	CCTCATGGTGYCYTSYTCCCTTGTG
ZNF563	NTCCNNNCNGGCARCTGY
GATA	NNNNNBAGATASYATCTVHN
ZNF200	AYTTCC
BACH1	GTCACGTG
ZNF250	YNNTGCANTTTTTNN
IRF5	CCGAAACCGAAACY
ATF3	GGTCACGTGRW

RBPJ1	HTTTCCCAWG
ZNF285	GCCAATTYCYRTGGTGTAAAT
IRF3	AGTTTCAKTTTC
SCL	ANCAGCTG
KLF14	RGKGGGCGKGGC
TGIF1	YTGWCADY
GATA4	WGATAANN
ELK4	CCGGAAGYGN
KLF6	MKGGGYGTGGCC
MITF	RTCATGTGAC
ZNF140	CAATTCCGCTCMNNNNNNNNNNNN
ELF2	NANSCGGAAGTN
PPARA	VNAGGKCAAAGGTCA
TFEC	RNCACRTGAY
RORC	AAYTAGGTCA
GATA4	NBWGATAAGR
COUP-TFII	GKBCARAGGTCA
ZNF662	RKCTAGCCCNNKCCTACC
RORA	AASCTAGGTCARDNN
PGR	NGNACANNNYGTNCY
TBX20	GGTGYTGACAGW
ZSCAN31	NNNTTAATTGNTTKTN
ZNF707	ACCCCACTCCTGGTM
IRF8	NCGAAACCGAAACY
NFATC3	WNTTTCCRTN
ZBTB45	NMTATAGGNGN
ATF2	NRRTGACGTCAT
ZNF766	GGTTTMT
FOXP2	NWGTAAACARN
GABPA	NRCCGGAAGTG
ASCL2	NRCAGCTGYN
ELF3	ANCAGGAAGT
SPDEF	ACATCCTGGT
EHF	AVCAGGAAGT
PRDM10	TGGTACATTCCA
REL	SGGRNWTTCC
ZNF605	NNNYNKGGYNTCTNNNNCCCY
ZNF419	ASTMCAGCCCTAKACTCTCCY
GATA3	AGATWTNDNNDWAGATAAWN
PPARE	TGACCTTTGCCCCA
MEF2D	GCTATTTTTAGC
ETS	AACCGGAAGT
MAZ	WCCCCKCCC
GCM2	NATGCGGGTN
GATA6	YCTTATCTBN
KLF17	MMCCACGCACCCMTY
ZNF341	GCTWTTCCNNCNNCCNCCCNN
ERF	ACCGGAAGTR
ETV2	AACCGGAAATR

SP9	NCCACGCCCMCN
ELF5	ANSMGGAAGTN
ELF1	AACCGGAAGT
ELF5	ACVAGGAAGT
NFAT:AP1	GAATGGAAAAAATGAGTCAT
MEIS3	NTGACAGN
RBPJ:EBOX	GGGRAARRGRMCAGMTG
SP8	RCCACGCCCMCY
NEUROD1	GCCATCTGTT
ZNF891	NNNGNNCNWNGGCTTCYAGCC
RORA	AWNNAGGTCA
TBOX:SMAD	AGGTGHCAGACA
ERRG	GTGACCTTGRVN
MAFK	GCTGASTCAGCA
ZNF157	TRTAYTGCSNNCCYTNCCANGSCM
AP-2GAMMA	WCCTWAGGWCAS
IRX3	SACATGNSSSSNCATGTS
ZNF71	NAGTTTCRTTTTCY
IRF8	GRAAWTGAAAWT
NFATC1	ATTTTCCATT
PU.1:IRF8	GGAAGTGAAAWT
ETS1-DISTAL	AACAGGAAGT
RXRG	GGTCAAAGGTCA
SP3	NCCACGCCCMC
ETV2	NNAYTTCCTGHN
ZFP82	AGAATTAGTGAACTGGAAGAT
RORC	SAABTAGGTCAV
ISRE	AGTTTCAGTTTC
NFATC4	WNTTTCCRYN
TLX?	CTGGCAGGCTGCCA
ELK4	NRYTTCCGGY
IRF7	NCGAAARYGAAANT
ELF4	ACTTCCKGKT
ELK1	HACTTCCGGY
REL	GGAAATTCCC
IRF9	AACGAAACCGAAACT
IRF2	GAAAWYGAAAWY
ESRRB	GTGACCTTGA
EWS:FLI1-FUSION	AACAGGAAAT
RUNX1	AAACCACAAA
EWS:ERG-FUSION	ATTTCCTGTN
ETV4	ACCGGAAGTG
REL	AGGGGATTTCCC
IRF1	GAAAGTGAAAGT
KLF16	GMCACGCCCCC
EGR4	NNMCGCCCACGCANNN
RELA	NGGGRMTTTCCMNN
RUNX1	CAAACCACAG
RUNX3	AACCRCAA

RUNX2	NWAACCACADNN
GABPA	AACCGGAAGT
NR2F2	NNAAGGTCANN
NR4A1	NAAAGGTCAN
RUNX1	NWAACCACARN
ERG	ACAGGAAGTG
FLI1	NRYTTCCGGH
PU.1	AGAGGAAGTG
EGR1	NNNNNNNNCCGCCCMCGCNN
RUNX1	GCTGTGGTTT
ETV1	AACCGGAAGT
ETS1	ACAGGAAGTG
WT1	MCTCCCMCRCAB
EGR3	CKCCCCCNC
EGR2	NGCGTGGGCGGR
EGR2	CGCCCMCNC
EGR1	TGCGTGGGYG
NUR77	TGACCTTTNCNT

[183] The identified consensus motifs of Table 16 comprise some variability within the identified sequence. In some embodiments, the identified consensus motifs of Table 16 may allow for one or more nucleotide substitutions within the identified consensus motifs. For example, within the consensus motifs of Table 16, "N" may allow for any nucleotide to be substituted at that position including A, G, C, T; "S" may allow for either G or C to be substituted at that position; "R" may allow for either A or G to be substituted at that position; and "W" may allow for A or T to be substituted at that position.

[184] Table 18 below lists specific motifs that were identified that reduce the variability of the consensus motifs. Table 18 lists exemplary specific motifs that exist within the identified consensus motifs of Table 16. The transcription initiator and the regulators of the disclosure may comprise any one or more of the specific exemplary motifs of Table 16.

Table 18: Exemplary Consensus Motifs

Motif	**Motif**	**Motif**
AATGAGTCAT (SEQ ID NO: 510)	AAACTGTTA (SEQ ID NO: 2360	ACTTCCGGT (SEQ ID NO: 3343
ATGACTCATT (SEQ ID NO: 511)	TAACAGTTT (SEQ ID NO: 2361	AACAACTGTT (SEQ ID NO: 3346
AATGACTCAT (SEQ ID NO: 512)	AAACTGTTC (SEQ ID NO: 2362	AACAGTTGTT (SEQ ID NO: 3347
ATGAGTCATT (SEQ ID NO: 513)	GAACAGTTT (SEQ ID NO: 2363	AACAGCTGTT (SEQ ID NO: 3348

Motif	Motif	Motif
GATGAGTCAT (SEQ ID NO: 514)	AAACTGTTG (SEQ ID NO: 2364	AACAGCTGTT (SEQ ID NO: 3349
ATGACTCATC (SEQ ID NO: 515)	CAACAGTTT (SEQ ID NO: 2365	ACCATCTGTT (SEQ ID NO: 3350
GATGACTCAT (SEQ ID NO: 516)	CAACCGCCA (SEQ ID NO: 2366	AACAGATGGT (SEQ ID NO: 3351
ATGAGTCATC (SEQ ID NO: 517)	TGGCGGTTG (SEQ ID NO: 2367	TTCCTCC (SEQ ID NO: 3376
GATGAGTCAC (SEQ ID NO: 736)	CAACCGCCC (SEQ ID NO: 2368	GGAGGAA (SEQ ID NO: 3377
GTGACTCATC (SEQ ID NO: 737)	GGGCGGTTG (SEQ ID NO: 2369	TTCCTCT (SEQ ID NO: 3378
GATGAGTCAT (SEQ ID NO: 616)	CAACCGCCG (SEQ ID NO: 2370	AGAGGAA (SEQ ID NO: 3379
ATGACTCATC (SEQ ID NO: 627)	CGGCGGTTG (SEQ ID NO: 2371	ACTTCC (SEQ ID NO: 3636
GATGACTCAC (SEQ ID NO: 618)	CAACCGCTA (SEQ ID NO: 2372	GGAAGT (SEQ ID NO: 3637
GTGAGTCATC (SEQ ID NO: 619)	TAGCGGTTG (SEQ ID NO: 2373	ATTTCC (SEQ ID NO: 3638
GATGACTCAT (SEQ ID NO: 516)	CAACCGCTC (SEQ ID NO: 2374	GGAAAT (SEQ ID NO: 3639
ATGAGTCATC (SEQ ID NO: 517)	GAGCGGTTG (SEQ ID NO: 2375	GTCACGTG (SEQ ID NO: 3640
AATGAGTCAT (SEQ ID NO: 622)	CAACCGCTG (SEQ ID NO: 2376	CACGTGAC (SEQ ID NO: 3641
ATGACTCATT (SEQ ID NO: 623)	CAGCGGTTG (SEQ ID NO: 2377	ATTTCCCAGG (SEQ ID NO: 3658
AATGACTCAT (SEQ ID NO: 624)	CAACCGTCA (SEQ ID NO: 2378	CCTGGGAAAT (SEQ ID NO: 3659
ATGAGTCATT (SEQ ID NO: 625)	TGACGGTTG (SEQ ID NO: 2379	ATTTCCCACG (SEQ ID NO: 3660
GATGAGTCAT (SEQ ID NO: 626)	CAACCGTCC (SEQ ID NO: 2380	CGTGGGAAAT (SEQ ID NO: 3661
ATGACTCATC (SEQ ID NO: 617)	GGACGGTTG (SEQ ID NO: 2381	CTTTCCCAGG (SEQ ID NO: 3662
GATGACTCAT (SEQ ID NO: 620)	CAACCGTCG (SEQ ID NO: 2382	CCTGGGAAAG (SEQ ID NO: 3663
ATGAGTCATC (SEQ ID NO: 629)	CGACGGTTG (SEQ ID NO: 2383	CTTTCCCACG (SEQ ID NO: 3664
TATGAGTCAT (SEQ ID NO: 630)	CAACCGTTA (SEQ ID NO: 2384	CGTGGGAAAG (SEQ ID NO: 3665
ATGACTCATA (SEQ ID NO: 631)	TAACGGTTG (SEQ ID NO: 2385	TTTTCCCAGG (SEQ ID NO: 3666
TATGACTCAT (SEQ ID NO: 632)	CAACCGTTC (SEQ ID NO: 2386	CCTGGGAAAA (SEQ ID NO: 3667
ATGAGTCATA (SEQ ID NO: 633)	GAACGGTTG (SEQ ID NO: 2387	TTTTCCCACG (SEQ ID NO: 3668

Motif	Motif	Motif
ATGACTCAC (SEQ ID NO: 670)	CAACCGTTG (SEQ ID NO: 2388	CGTGGGAAAA (SEQ ID NO: 3669
GTGAGTCAT (SEQ ID NO: 671)	CAACGGTTG (SEQ ID NO: 2389	AACAGCTG (SEQ ID NO: 3690
ATGACTCAT (SEQ ID NO: 676)	CAACGGCCA (SEQ ID NO: 2390	CAGCTGTT (SEQ ID NO: 3691
ATGAGTCAT (SEQ ID NO: 677)	TGGCCGTTG (SEQ ID NO: 2391	CTGACAAC (SEQ ID NO: 3708
ATGAGTCAT (SEQ ID NO: 683)	CAACGGCCC (SEQ ID NO: 2392	GTTGTCAG (SEQ ID NO: 3709
ATGACTCAT (SEQ ID NO: 672)	GGGCCGTTG (SEQ ID NO: 2393	CTGACAAT (SEQ ID NO: 3710
ATGACTCAT (SEQ ID NO: 675)	CAACGGCCG (SEQ ID NO: 2394	ATTGTCAG (SEQ ID NO: 3711
ATGAGTCAT (SEQ ID NO: 677)	CGGCCGTTG (SEQ ID NO: 2395	CTGACAGC (SEQ ID NO: 3712
GTGAGTCAT (SEQ ID NO: 678)	CAACGGCTA (SEQ ID NO: 2396	GCTGTCAG (SEQ ID NO: 3713
ATGACTCAC (SEQ ID NO: 679)	TAGCCGTTG (SEQ ID NO: 2397	CTGACAGT (SEQ ID NO: 3714
GTGACTCAT (SEQ ID NO: 680)	CAACGGCTC (SEQ ID NO: 2398	ACTGTCAG (SEQ ID NO: 3715
ATGAGTCAC (SEQ ID NO: 681)	GAGCCGTTG (SEQ ID NO: 2399	CTGACATC (SEQ ID NO: 3716
ATGAGTCAC (SEQ ID NO: 716)	CAACGGCTG (SEQ ID NO: 2400	GATGTCAG (SEQ ID NO: 3717
GTGACTCAT (SEQ ID NO: 717)	CAGCCGTTG (SEQ ID NO: 2401	CTGACATT (SEQ ID NO: 3718
ATGAGTCAG (SEQ ID NO: 718)	CAACGGTCA (SEQ ID NO: 2402	AATGTCAG (SEQ ID NO: 3719
CTGACTCAT (SEQ ID NO: 719)	TGACCGTTG (SEQ ID NO: 2403	CTGTCAAC (SEQ ID NO: 3720
ATGAGTCAT (SEQ ID NO: 720)	CAACGGTCC (SEQ ID NO: 2404	GTTGACAG (SEQ ID NO: 3721
ATGACTCAT (SEQ ID NO: 721)	GGACCGTTG (SEQ ID NO: 2405	CTGTCAAT (SEQ ID NO: 3722
ATGACTCAC (SEQ ID NO: 722)	CAACGGTCG (SEQ ID NO: 2406	ATTGACAG (SEQ ID NO: 3723
GTGAGTCAT (SEQ ID NO: 723)	CGACCGTTG (SEQ ID NO: 2407	CTGTCAGC (SEQ ID NO: 3724
ATGACTCAG (SEQ ID NO: 724)	CAACGGTTA (SEQ ID NO: 2408	GCTGACAG (SEQ ID NO: 3725
CTGAGTCAT (SEQ ID NO: 725)	TAACCGTTG (SEQ ID NO: 2409	CTGTCAGT (SEQ ID NO: 3726
ATGACTCAT (SEQ ID NO: 726)	CAACGGTTC (SEQ ID NO: 2410	ACTGACAG (SEQ ID NO: 3727
ATGAGTCAT (SEQ ID NO: 727)	GAACCGTTG (SEQ ID NO: 2411	CTGTCATC (SEQ ID NO: 3728

Motif	Motif	Motif
AATGAGTCAC (SEQ ID NO: 728)	CAACGGTTG (SEQ ID NO: 2412	GATGACAG (SEQ ID NO: 3729
GTGACTCATT (SEQ ID NO: 729)	CAACCGTTG (SEQ ID NO: 2413	CTGTCATT (SEQ ID NO: 3740
AATGAGTCAT (SEQ ID NO: 730)	CAACTGCCA (SEQ ID NO: 2414	AATGACAG (SEQ ID NO: 3741
ATGACTCATT (SEQ ID NO: 810)	TGGCAGTTG (SEQ ID NO: 2415	TTGACAAC (SEQ ID NO: 3742
AATGACTCAC (SEQ ID NO: 732)	CAACTGCCC (SEQ ID NO: 2416	GTTGTCAA (SEQ ID NO: 3743
GTGAGTCATT (SEQ ID NO: 733)	GGGCAGTTG (SEQ ID NO: 2417	TTGACAAT (SEQ ID NO: 3744
AATGACTCAT (SEQ ID NO: 805)	CAACTGCCG (SEQ ID NO: 2418	ATTGTCAA (SEQ ID NO: 3735
ATGAGTCATT (SEQ ID NO: 735)	CGGCAGTTG (SEQ ID NO: 2419	TTGACAGC (SEQ ID NO: 3736
GATGAGTCAC (SEQ ID NO: 736)	CAACTGCTA (SEQ ID NO: 2420	GCTGTCAA (SEQ ID NO: 3737
GTGACTCATC (SEQ ID NO: 737)	TAGCAGTTG (SEQ ID NO: 2421	TTGACAGT (SEQ ID NO: 3738
GATGAGTCAT (SEQ ID NO: 643)	CAACTGCTC (SEQ ID NO: 2422	ACTGTCAA (SEQ ID NO: 3739
ATGACTCATC (SEQ ID NO: 627)	GAGCAGTTG (SEQ ID NO: 2423	TTGACATC (SEQ ID NO: 3740
GATGACTCAC (SEQ ID NO: 618)	CAACTGCTG (SEQ ID NO: 2424	GATGTCAA (SEQ ID NO: 3741
GTGAGTCATC (SEQ ID NO: 741)	CAGCAGTTG (SEQ ID NO: 2425	TTGACATT (SEQ ID NO: 3742
GATGACTCAT (SEQ ID NO: 803)	CAACTGTCA (SEQ ID NO: 2426	AATGTCAA (SEQ ID NO: 3743
ATGAGTCATC (SEQ ID NO: 802)	TGACAGTTG (SEQ ID NO: 2427	TTGTCAAC (SEQ ID NO: 3744
TATGAGTCAC (SEQ ID NO: 744)	CAACTGTCC (SEQ ID NO: 2428	GTTGACAA (SEQ ID NO: 3745
GTGACTCATA (SEQ ID NO: 745)	GGACAGTTG (SEQ ID NO: 2429	TTGTCAAT (SEQ ID NO: 3746
TATGAGTCAT (SEQ ID NO: 807)	CAACTGTCG (SEQ ID NO: 2430	ATTGACAA (SEQ ID NO: 3747
ATGACTCATA (SEQ ID NO: 747)	CGACAGTTG (SEQ ID NO: 2431	TTGTCAGC (SEQ ID NO: 3748
TATGACTCAC (SEQ ID NO: 748)	CAACTGTTA (SEQ ID NO: 2432	GCTGACAA (SEQ ID NO: 3749
GTGAGTCATA (SEQ ID NO: 749)	TAACAGTTG (SEQ ID NO: 2433	TTGTCAGT (SEQ ID NO: 3750
TATGACTCAT (SEQ ID NO: 801)	CAACTGTTC (SEQ ID NO: 2434	ACTGACAA (SEQ ID NO: 3751
ATGAGTCATA (SEQ ID NO: 800)	GAACAGTTG (SEQ ID NO: 2435	TTGTCATC (SEQ ID NO: 3752

Motif	Motif	Motif
ACATACATT (SEQ ID NO: 780)	CAACTGTTG (SEQ ID NO: 2436	GATGACAA (SEQ ID NO: 3753
AATGTATGT (SEQ ID NO: 781)	CAACAGTTG (SEQ ID NO: 2437	TTGTCATT (SEQ ID NO: 3754
ACATACGTT (SEQ ID NO: 782)	TAACCGCCA (SEQ ID NO: 2438	AATGACAA (SEQ ID NO: 3755
AACGTATGT (SEQ ID NO: 783)	TGGCGGTTA (SEQ ID NO: 2439	AGATAA (SEQ ID NO: 3756
ATATACATT (SEQ ID NO: 784)	TAACCGCCC (SEQ ID NO: 2440	TTATCT (SEQ ID NO: 3757
AATGTATAT (SEQ ID NO: 785)	GGGCGGTTA (SEQ ID NO: 2441	TGATAA (SEQ ID NO: 3758
ATATACGTT (SEQ ID NO: 786)	TAACCGCCG (SEQ ID NO: 2442	TTATCA (SEQ ID NO: 3759
AACGTATAT (SEQ ID NO: 787)	CGGCGGTTA (SEQ ID NO: 2443	CCGGAAGCG (SEQ ID NO: 3760
CCATACATT (SEQ ID NO: 788)	TAACCGCTA (SEQ ID NO: 2444	CGCTTCCGG (SEQ ID NO: 3761
AATGTATGG (SEQ ID NO: 789)	TAGCGGTTA (SEQ ID NO: 2445	CCGGAAGTG (SEQ ID NO: 3762
CCATACGTT (SEQ ID NO: 790)	TAACCGCTC (SEQ ID NO: 2446	CACTTCCGG (SEQ ID NO: 3763
AACGTATGG (SEQ ID NO: 791)	GAGCGGTTA (SEQ ID NO: 2447	ATCATGTGAC (SEQ ID NO: 3780
CTATACATT (SEQ ID NO: 792)	TAACCGCTG (SEQ ID NO: 2448	GTCACATGAT (SEQ ID NO: 3781
AATGTATAG (SEQ ID NO: 793)	CAGCGGTTA (SEQ ID NO: 2449	GTCATGTGAC (SEQ ID NO: 3782
CTATACGTT (SEQ ID NO: 794)	TAACCGTCA (SEQ ID NO: 2450	GTCACATGAC (SEQ ID NO: 3783
AACGTATAG (SEQ ID NO: 795)	TGACGGTTA (SEQ ID NO: 2451	AAGCGGAAGT (SEQ ID NO: 3784
CGTCTAGACA (SEQ ID NO: 936)	TAACCGTCC (SEQ ID NO: 2452	ACTTCCGCTT (SEQ ID NO: 3789
TGTCTAGACG (SEQ ID NO: 797)	GGACGGTTA (SEQ ID NO: 2453	AACCGGAAGT (SEQ ID NO: 3790
TGTCTAGACA (SEQ ID NO: 798)	TAACCGTCG (SEQ ID NO: 2454	ACTTCCGGTT (SEQ ID NO: 4225
TGTCTAGACA (SEQ ID NO: 799)	CGACGGTTA (SEQ ID NO: 2455	ACCACATGAC (SEQ ID NO: 3804
ATGAGTCATA (SEQ ID NO: 800)	TAACCGTTA (SEQ ID NO: 2456	GTCATGTGGT (SEQ ID NO: 3805
TATGACTCAT (SEQ ID NO: 801)	TAACGGTTA (SEQ ID NO: 2457	ACCACATGAT (SEQ ID NO: 3806
ATGAGTCATC (SEQ ID NO: 802)	TAACCGTTC (SEQ ID NO: 2458	ATCATGTGGT (SEQ ID NO: 3807
GATGACTCAT (SEQ ID NO: 803)	GAACGGTTA (SEQ ID NO: 2459	ACCACGTGAC (SEQ ID NO: 3808

Motif	Motif	Motif
ATGAGTCATT (SEQ ID NO: 804)	TAACCGTTG (SEQ ID NO: 2460	GTCACGTGGT (SEQ ID NO: 3809
AATGACTCAT (SEQ ID NO: 805)	CAACGGTTA (SEQ ID NO: 2461	ACCACGTGAT (SEQ ID NO: 3810
ATGACTCATA (SEQ ID NO: 806)	TAACGGCCA (SEQ ID NO: 2462	ATCACGTGGT (SEQ ID NO: 3811
TATGAGTCAT (SEQ ID NO: 807)	TGGCCGTTA (SEQ ID NO: 2463	GCCACATGAC (SEQ ID NO: 3812
ATGACTCATC (SEQ ID NO: 808)	TAACGGCCC (SEQ ID NO: 2464	GTCATGTGGC (SEQ ID NO: 3813
GATGAGTCAT (SEQ ID NO: 809)	GGGCCGTTA (SEQ ID NO: 2465	GCCACATGAT (SEQ ID NO: 3814
ATGACTCATT (SEQ ID NO: 810)	TAACGGCCG (SEQ ID NO: 2466	ATCATGTGGC (SEQ ID NO: 3815
AATGAGTCAT (SEQ ID NO: 811)	CGGCCGTTA (SEQ ID NO: 2467	GCCACGTGAC (SEQ ID NO: 3816
ATGAGTCAT 9SEQ ID NO: 816)	TAACGGCTA (SEQ ID NO: 2468	GTCACGTGGC (SEQ ID NO: 3817
ATGACTCAT 9SEQ ID NO: 817)	TAGCCGTTA (SEQ ID NO: 2469	GCCACGTGAT (SEQ ID NO: 3818
ATGACTCAT (SEQ ID NO: 818)	TAACGGCTC (SEQ ID NO: 2470	ATCACGTGGC (SEQ ID NO: 3819
ATGAGTCAT (SEQ ID NO: 819)	GAGCCGTTA (SEQ ID NO: 2471	AACTAGGTCA (SEQ ID NO: 3820
ATCGTAAAA (SEQ ID NO: 820)	TAACGGCTG (SEQ ID NO: 2472	TGACCTAGTT (SEQ ID NO: 3821
TTTTACGAT (SEQ ID NO: 821)	CAGCCGTTA (SEQ ID NO: 2473	AATTAGGTCA (SEQ ID NO: 3822
GTCGTAAAA (SEQ ID NO: 822)	TAACGGTCA (SEQ ID NO: 2474	TGACCTAATT (SEQ ID NO: 3823
TTTTACGAC (SEQ ID NO: 823)	TGACCGTTA (SEQ ID NO: 2475	CAGATAAGA (SEQ ID NO: 3824
CGACCACCG (SEQ ID NO: 832)	TAACGGTCC (SEQ ID NO: 2476	TCTTATCTG (SEQ ID NO: 3825
CGGTGGTCG (SEQ ID NO: 833)	GGACCGTTA (SEQ ID NO: 2477	CAGATAAGG (SEQ ID NO: 3826
AACTGGTTT (SEQ ID NO: 842)	TAACGGTCG (SEQ ID NO: 2478)	CCTTATCTG (SEQ ID NO: 3827)
AAACCAGTT (SEQ ID NO: 843)	CGACCGTTA (SEQ ID NO: 2479)	CTGATAAGA (SEQ ID NO: 3828)
CGACCACCGAA (SEQ ID NO: 844)	TAACGGTTA (SEQ ID NO: 2480)	TCTTATCAG (SEQ ID NO: 3829)
TTCGGTGGTCG (SEQ ID NO: 845)	TAACCGTTA (SEQ ID NO: 2481)	CTGATAAGG (SEQ ID NO: 3830)
GTCGTAAAA (SEQ ID NO: 848)	TAACGGTTC (SEQ ID NO: 2482)	CCTTATCAG (SEQ ID NO: 3831)
TTTTACGAC (SEQ ID NO: 849)	GAACCGTTA (SEQ ID NO: 2483)	GAGATAAGA (SEQ ID NO: 3832)

Motif	Motif	Motif
AGGTGTGA (SEQ ID NO: 850)	TAACGGTTG (SEQ ID NO: 2484)	TCTTATCTC (SEQ ID NO: 3833
TCACACCT (SEQ ID NO: 851)	CAACCGTTA (SEQ ID NO: 2485)	GAGATAAGG (SEQ ID NO: 3834
AGGTGTCA (SEQ ID NO: 852)	TAACTGCCA (SEQ ID NO: 2486)	CCTTATCTC (SEQ ID NO: 3835
TGACACCT (SEQ ID NO: 853)	TGGCAGTTA (SEQ ID NO: 2487)	GTGATAAGA (SEQ ID NO: 3836
GTCATCA (SEQ ID NO: 862)	TAACTGCCC (SEQ ID NO: 2488)	TCTTATCAC (SEQ ID NO: 3837
TGATGAC (SEQ ID NO: 863)	GGGCAGTTA (SEQ ID NO: 2489)	GTGATAAGG (SEQ ID NO: 3838
GTCATCG (SEQ ID NO 864)	TAACTGCCG (SEQ ID NO: 2490)	CCTTATCAC (SEQ ID NO: 3839
CGATGAC (SEQ ID NO 865)	CGGCAGTTA (SEQ ID NO: 2491)	TAGATAAGA (SEQ ID NO: 3940
TTTAACGAC (SEQ ID NO 866)	TAACTGCTA (SEQ ID NO: 2492)	TCTTATCTA (SEQ ID NO: 3841
GTCGTTAAA (SEQ ID NO 867)	TAGCAGTTA (SEQ ID NO: 2493)	TAGATAAGG (SEQ ID NO: 3842
TTTTACGAC (SEQ ID NO 868)	TAACTGCTC (SEQ ID NO: 2494)	CCTTATCTA (SEQ ID NO: 3843
GTCGTAAAA (SEQ ID NO: 869)	GAGCAGTTA (SEQ ID NO: 2495)	TTGATAAGA (SEQ ID NO: 3844
AGTCGTAAAA (SEQ ID NO: 870)	TAACTGCTG (SEQ ID NO: 2496)	TCTTATCAA (SEQ ID NO: 3845
TTTTACGACT (SEQ ID NO: 871)	CAGCAGTTA (SEQ ID NO: 2497)	TTGATAAGG (SEQ ID NO: 3846
GGTCGTAAAA (SEQ ID NO: 872)	TAACTGTCA (SEQ ID NO: 2498)	CCTTATCAA (SEQ ID NO: 3847
TTTTACGACC (SEQ ID NO: 873)	TGACAGTTA (SEQ ID NO: 2499)	ACTTTCCAT (SEQ ID NO: 3940
GGTGAGTCAT (SEQ ID NO: 874)	TAACTGTCC (SEQ ID NO: 2500)	ATGGAAAGT (SEQ ID NO: 3941
ATGACTCACC (SEQ ID NO: 875)	GGACAGTTA (SEQ ID NO: 2501)	ACTTTCCGT (SEQ ID NO: 3942
GGTGACTCAT (SEQ ID NO: 876)	TAACTGTCG (SEQ ID NO: 2502)	ACGGAAAGT (SEQ ID NO: 3943
ATGAGTCACC (SEQ ID NO: 877)	CGACAGTTA (SEQ ID NO: 2503)	TCTTTCCAT (SEQ ID NO: 3944
TGACGTCAC (SEQ ID NO: 882)	TAACTGTTA (SEQ ID NO: 2504)	ATGGAAAGA (SEQ ID NO: 3945
GTGACGTCA (SEQ ID NO: 883	TAACAGTTA (SEQ ID NO: 2505	TCTTTCCGT (SEQ ID NO: 3946
TGACGTCAT (SEQ ID NO: 884	TAACTGTTC (SEQ ID NO: 2506	ACGGAAAGA (SEQ ID NO: 3947
ATGACGTCA (SEQ ID NO: 885	GAACAGTTA (SEQ ID NO: 2507	ATATAGGGG (SEQ ID NO: 3948

Motif	Motif	Motif
TGGCGTCAC (SEQ ID NO: 886	TAACTGTTG (SEQ ID NO: 2508	CCCCTATAT (SEQ ID NO: 3949
GTGACGCCA (SEQ ID NO: 887	CAACAGTTA (SEQ ID NO: 2509	CTATAGGGG (SEQ ID NO: 3950
TGGCGTCAT (SEQ ID NO: 888	TCAAGGTCAA (SEQ ID NO: 2510	CCCCTATAG (SEQ ID NO: 3951
ATGACGCCA (SEQ ID NO: 889	TTGACCTTGA (SEQ ID NO: 2511	GGTTTAT (SEQ ID NO: 3960
TTACGTCAC (SEQ ID NO: 890	TCAAGGTCAT (SEQ ID NO: 2512	ATAAACC (SEQ ID NO: 3961
GTGACGTAA (SEQ ID NO: 891	ATGACCTTGA (SEQ ID NO: 2513	GGTTTCT (SEQ ID NO: 3962
TTACGTCAT (SEQ ID NO: 892	GTCAGCA (SEQ ID NO: 2534	AGAAACC (SEQ ID NO: 3963
ATGACGTAA (SEQ ID NO: 893	TGCTGAC (SEQ ID NO: 2535	AGTAAACAA (SEQ ID NO: 3964
TTGCGTCAC (SEQ ID NO: 894	ACTCCAC (SEQ ID NO: 2536	TTGTTTACT (SEQ ID NO: 3965
GTGACGCAA (SEQ ID NO: 895	GTGGAGT (SEQ ID NO: 2537	AGTAAACAG (SEQ ID NO: 3966
TTGCGTCAT (SEQ ID NO: 896	ACTTCAC (SEQ ID NO: 2538	CTGTTTACT (SEQ ID NO: 3967
ATGACGCAA (SEQ ID NO: 897	GTGAAGT (SEQ ID NO: 2539	TGTAAACAA (SEQ ID NO: 3968
ATGACGTCAC (SEQ ID NO: 922	TCAAGTGG (SEQ ID NO: 2542	TTGTTTACA (SEQ ID NO: 3969
GTGACGTCAT (SEQ ID NO: 923	CCACTTGA (SEQ ID NO: 2543	TGTAAACAG (SEQ ID NO: 3970
ATGACGTCAT (SEQ ID NO: 924	TTAAGTGG (SEQ ID NO: 2544	CTGTTTACA (SEQ ID NO: 3971
ATGACGTCAT (SEQ ID NO: 925	CCACTTAA (SEQ ID NO: 2545	ACCGGAAGTG (SEQ ID NO: 3972
CGTCTAGACA (SEQ ID NO: 936	CCCCCCCAC (SEQ ID NO: 2682	CACTTCCGGT (SEQ ID NO: 3973
TGTCTAGACG (SEQ ID NO: 937	GTGGGGGGG (SEQ ID NO: 2683	GCCGGAAGTG (SEQ ID NO: 3974
TGTCTAGACA (SEQ ID NO: 938	GAGATAAG (SEQ ID NO: 2686	CACTTCCGGC (SEQ ID NO: 3975
TGTCTAGACA (SEQ ID NO: 939	CTTATCTC (SEQ ID NO: 2687	ACAGCTGC (SEQ ID NO: 3976
GTCGTAAAA (SEQ ID NO: 942	CAGATAAG (SEQ ID NO: 2688	GCAGCTGT (SEQ ID NO: 3982
TTTTACGAC (SEQ ID NO: 943	CTTATCTG (SEQ ID NO: 2689	ACAGCTGT (SEQ ID NO: 3978
TGATTGACAG (SEQ ID NO: 1012	TAATGATTAA (SEQ ID NO: 2690	ACAGCTGT (SEQ ID NO: 3978
CTGTCAATCA (SEQ ID NO: 1013	TTAATCATTA (SEQ ID NO: 2691	GCAGCTGC (SEQ ID NO: 3980

Motif	Motif	Motif
GATGACGTCA (SEQ ID NO: 1014	TAATGATTAT (SEQ ID NO: 2692	GCAGCTGC (SEQ ID NO: 3980
TGACGTCATC (SEQ ID NO: 1015	ATAATCATTA (SEQ ID NO: 2693	GCAGCTGT (SEQ ID NO: 3982
CCACGTGG (SEQ ID NO: 1016	TAATGATTTA (SEQ ID NO: 2694	ACAGCTGC (SEQ ID NO: 3983
CCACGTGG (SEQ ID NO: 1017	TAAATCATTA (SEQ ID NO: 2695	AGCAGGAAGT (SEQ ID NO: 3984
TGACTCAGCA (SEQ ID NO: 1058	TAATGATTTT (SEQ ID NO: 2696	ACTTCCTGCT (SEQ ID NO: 3985
TGCTGAGTCA (SEQ ID NO: 1059	AAAATCATTA (SEQ ID NO: 2697	ACATCCTGGT (SEQ ID NO: 3986
CAGCTGCTG (SEQ ID NO: 1064	TAATGGTTAA (SEQ ID NO: 2698	ACCAGGATGT (SEQ ID NO: 3987
CAGCAGCTG (SEQ ID NO: 1065	TTAACCATTA (SEQ ID NO: 2699	AACAGGAAGT (SEQ ID NO: 3988
TGCTGAGTCA (SEQ ID NO: 1066	TAATGGTTAT (SEQ ID NO: 2700	ACTTCCTGTT (SEQ ID NO: 3989
TGACTCAGCA (SEQ ID NO: 1067	ATAACCATTA (SEQ ID NO: 2701	ACCAGGAAGT (SEQ ID NO: 3990
TGACGTCA (SEQ ID NO: 1242	TAATGGTTTA (SEQ ID NO: 2702	ACTTCCTGGT (SEQ ID NO: 3991
TGACGTCA (SEQ ID NO: 1243	TAAACCATTA (SEQ ID NO: 2703	AGCAGGAAGT (SEQ ID NO: 3992
TGCTGACTCA (SEQ ID NO: 1314	TAATGGTTTT (SEQ ID NO: 2704	ACTTCCTGCT (SEQ ID NO: 3993
TGAGTCAGCA (SEQ ID NO: 1315	AAAACCATTA (SEQ ID NO: 2705	GGGATATTCC (SEQ ID NO: 3996
GGTCGTAAAA (SEQ ID NO: 1324	TAATTATTAA (SEQ ID NO: 2706	GGAATATCCC (SEQ ID NO: 3997
TTTTACGACC (SEQ ID NO: 1325	TTAATAATTA (SEQ ID NO: 2707	GGGATTTTCC (SEQ ID NO: 3998
AAGGTCA (SEQ ID NO: 1328	TAATTATTAT (SEQ ID NO: 2708	GGAAAATCCC (SEQ ID NO: 3999
TGACCTT (SEQ ID NO: 1329	ATAATAATTA (SEQ ID NO: 2709	GGGGTATTCC (SEQ ID NO: 4000
AGGGTCA (SEQ ID NO: 1330	TAATTATTTA (SEQ ID NO: 2710	GGAATACCCC (SEQ ID NO: 4001
TGACCCT (SEQ ID NO: 1331	TAAATAATTA (SEQ ID NO: 2711	GGGGTTTTCC (SEQ ID NO: 4002
GAGGTCA (SEQ ID NO: 1332	TAATTATTTT (SEQ ID NO: 2712	GGAAAACCCC(SEQ ID NO: 4003
TGACCTC (SEQ ID NO: 1333	AAAATAATTA (SEQ ID NO: 2713	CGGATATTCC (SEQ ID NO: 4004
GGGGTCA (SEQ ID NO: 1334	TAATTGTTAA (SEQ ID NO: 2714	GGAATATCCG (SEQ ID NO: 4005
TGACCCC (SEQ ID NO: 1335	TTAACAATTA (SEQ ID NO: 2715	CGGATTTTCC (SEQ ID NO: 4006

Motif	Motif	Motif
ATGACGTCAC (SEQ ID NO: 1354	TAATTGTTAT (SEQ ID NO: 2716	GGAAAATCCG (SEQ ID NO: 4007
GTGACGTCAT (SEQ ID NO: 1355	ATAACAATTA (SEQ ID NO: 2717	CGGGTATTCC (SEQ ID NO: 4008
ATGACGTCAT (SEQ ID NO: 1356	TAATTGTTTA (SEQ ID NO: 2718	GGAATACCCG (SEQ ID NO: 4009
ATGACGTCAT (SEQ ID NO: 1357	TAAACAATTA (SEQ ID NO: 2719	CGGGTTTTCC (SEQ ID NO: 4010
GTGACGTCAC (SEQ ID NO: 1358	TAATTGTTTT (SEQ ID NO: 2720	GGAAAACCCG (SEQ ID NO: 4011
GTGACGTCAC (SEQ ID NO: 1359	AAAACAATTA (SEQ ID NO: 2721	AACCGGAAGT (SEQ ID NO: 4224
GTGACGTCAT (SEQ ID NO: 1360	ACATCAAAGG (SEQ ID NO: 2722	ACTTCCGGTT (SEQ ID NO: 4225
ATGACGTCAC (SEQ ID NO: 1361	CCTTTGATGT (SEQ ID NO: 2723	GCCCCGCCC (SEQ ID NO: 4226
GGCAGTTA (SEQ ID NO: 1364	GGCTAGCCC (SEQ ID NO: 2724	GGGCGGGGC (SEQ ID NO: 4227
TAACTGCC (SEQ ID NO: 1365	GGGCTAGCC (SEQ ID NO: 2725	GCCCCTCCC (SEQ ID NO: 4228
GGCAGTTG (SEQ ID NO: 1366	TTCCAAGAA (SEQ ID NO: 2726	GGGAGGGGC (SEQ ID NO: 4229
CAACTGCC (SEQ ID NO: 1367	TTCTTGGAA (SEQ ID NO: 2727	CCCCCGCCC (SEQ ID NO: 4230
GGCCGTTA (SEQ ID NO: 1368	TTCCAGGAA (SEQ ID NO: 2728	GGGCGGGGG (SEQ ID NO: 4231
TAACGGCC (SEQ ID NO: 1369	TTCCTGGAA (SEQ ID NO: 2729	CCCCCTCCC (SEQ ID NO: 4232
GGCCGTTG (SEQ ID NO: 1370	TTCCCAGAA (SEQ ID NO: 2730	GGGAGGGGG (SEQ ID NO: 4233
CAACGGCC (SEQ ID NO: 1371	TTCTGGGAA (SEQ ID NO: 2731	ATGCGGGT (SEQ ID NO: 4234
GGCGGTTA (SEQ ID NO: 1372	TTCCCGGAA (SEQ ID NO: 2732	ACCCGCAT (SEQ ID NO: 4235
TAACCGCC (SEQ ID NO: 1373	TTCCGGGAA (SEQ ID NO: 2733	CCTTATCTC (SEQ ID NO: 4236
GGCGGTTG (SEQ ID NO: 1374	TTCTAAGAA (SEQ ID NO: 2734	GAGATAAGG (SEQ ID NO: 4237
CAACCGCC (SEQ ID NO: 1375	TTCTTAGAA (SEQ ID NO: 2735	CCTTATCTG (SEQ ID NO: 4238
ACTGAAACCA (SEQ ID NO: 1398	TTCTAGGAA (SEQ ID NO: 2736	CAGATAAGG (SEQ ID NO: 4239
TGGTTTCAGT (SEQ ID NO: 1399	TTCCTAGAA (SEQ ID NO: 2737	CCTTATCTT (SEQ ID NO: 4240
CTAAGTGC (SEQ ID NO: 1444	TTCTCAGAA (SEQ ID NO: 2738	AAGATAAGG (SEQ ID NO: 4241
GCACTTAG (SEQ ID NO: 1445	TTCTGAGAA (SEQ ID NO: 2739	TCTTATCTC (SEQ ID NO: 4242

Motif	Motif	Motif
CTAATTGC (SEQ ID NO: 1446	TTCTCGGAA (SEQ ID NO: 2740	GAGATAAGA (SEQ ID NO: 4243
GCAATTAG (SEQ ID NO: 1447	TTCCGAGAA (SEQ ID NO: 2741	TCTTATCTG (SEQ ID NO: 4244
TTAAGTGC (SEQ ID NO: 1448	GGGGGGGG (SEQ ID NO: 2760	CAGATAAGA (SEQ ID NO: 4245
GCACTTAA (SEQ ID NO: 1449	CCCCCCCC (SEQ ID NO: 2761	TCTTATCTT (SEQ ID NO: 4246
TTAATTGC (SEQ ID NO: 1450	AGCTGACAAC (SEQ ID NO: 2762	AAGATAAGA (SEQ ID NO: 4247
GCAATTAA (SEQ ID NO: 1451	GTTGTCAGCT (SEQ ID NO: 2763	ACCGGAAGTA (SEQ ID NO: 4284
TGTCAGCT (SEQ ID NO: 1452	AGCTGACAAG (SEQ ID NO: 2764	TACTTCCGGT (SEQ ID NO: 4285
AGCTGACA (SEQ ID NO: 1453	CTTGTCAGCT (SEQ ID NO: 2765	ACCGGAAGTG (SEQ ID NO: 4286
TGTCAGTT (SEQ ID NO: 1454	AGCTGACAAT (SEQ ID NO: 2766	CACTTCCGGT (SEQ ID NO: 4287
AACTGACA (SEQ ID NO: 1455	ATTGTCAGCT (SEQ ID NO: 2767	CCACGCCCAC (SEQ ID NO: 4292
GCCCCACCCA (SEQ ID NO: 1456	AGCTGACACC (SEQ ID NO: 2768	GTGGGCGTGG (SEQ ID NO: 4293
TGGGTGGGGC (SEQ ID NO: 1457	GGTGTCAGCT (SEQ ID NO: 2769	CCACGCCCCC (SEQ ID NO: 4294
GCCCCACCCC (SEQ ID NO: 1458	AGCTGACACG (SEQ ID NO: 2770	GGGGGCGTGG (SEQ ID NO: 4295
GGGGTGGGGC (SEQ ID NO: 1459	CGTGTCAGCT (SEQ ID NO: 2771	ACGAGGAAGT (SEQ ID NO: 4296
GCCCCACCCT (SEQ ID NO: 1460	AGCTGACACT (SEQ ID NO: 2772	ACTTCCTCGT (SEQ ID NO: 4297
AGGGTGGGGC (SEQ ID NO: 1461	AGTGTCAGCT (SEQ ID NO: 2773	ACGCGGAAGT (SEQ ID NO: 4298
GCCCCGCCCA (SEQ ID NO: 1462	AGCTGACAGC (SEQ ID NO: 2774	ACTTCCGCGT (SEQ ID NO: 4299
TGGGCGGGGC (SEQ ID NO: 1463	GCTGTCAGCT (SEQ ID NO: 2775	ACCAGGAAGT (SEQ ID NO: 4300
GCCCCGCCCC (SEQ ID NO: 1464	AGCTGACAGG (SEQ ID NO: 2776	ACTTCCTGGT (SEQ ID NO: 4301
GGGGCGGGGC (SEQ ID NO: 1465	CCTGTCAGCT (SEQ ID NO: 2777	ACCCGGAAGT (SEQ ID NO: 4302
GCCCCGCCCT (SEQ ID NO: 1466	AGCTGACAGT (SEQ ID NO: 2778	ACTTCCGGGT (SEQ ID NO: 4303
AGGGCGGGGC (SEQ ID NO: 1467	ACTGTCAGCT (SEQ ID NO: 2779	AACCGGAAGT (SEQ ID NO: 4304
ATTCCCC (SEQ ID NO: 1468	AGCTGTCAAC (SEQ ID NO: 2780	ACTTCCGGTT (SEQ ID NO: 4305
GGGGAAT (SEQ ID NO: 1469	GTTGACAGCT (SEQ ID NO: 2781	ACAAGGAAGT (SEQ ID NO: 4306

Motif	Motif	Motif
TGGCAGTTGG (SEQ ID NO: 1470	AGCTGTCAAG (SEQ ID NO: 2782	ACTTCCTTGT (SEQ ID NO: 4307
CCAACTGCCA (SEQ ID NO: 1471	CTTGACAGCT (SEQ ID NO: 2783	ACCAGGAAGT (SEQ ID NO: 4308
CCAAGGTCA (SEQ ID NO: 1502	AGCTGTCAAT (SEQ ID NO: 2784	ACTTCCTGGT (SEQ ID NO: 4309
TGACCTTGG (SEQ ID NO: 1503	ATTGACAGCT (SEQ ID NO: 2785	ACGAGGAAGT (SEQ ID NO: 4310
AGAGGTCA (SEQ ID NO: 1508	AGCTGTCACC (SEQ ID NO: 2786	ACTTCCTCGT (SEQ ID NO: 4311
TGACCTCT (SEQ ID NO: 1509	GGTGACAGCT (SEQ ID NO: 2787	TGACAG (SEQ ID NO: 4314
AGGGGTCA (SEQ ID NO: 1510	AGCTGTCACG (SEQ ID NO: 2788	CTGTCA (SEQ ID NO: 4315
TGACCCCT (SEQ ID NO: 1511	CGTGACAGCT (SEQ ID NO: 2789	GCCATCTGTT (SEQ ID NO: 4460
TGATGAC (SEQ ID NO: 1512	AGCTGTCACT (SEQ ID NO: 2790	AACAGATGGC (SEQ ID NO: 4461
GTCATCA (SEQ ID NO: 1513	AGTGACAGCT (SEQ ID NO: 2791	AAAGAGGTCA (SEQ ID NO: 4470
AGATCAAAG (SEQ ID NO: 1514	AGCTGTCAGC (SEQ ID NO: 2792	TGACCTCTTT (SEQ ID NO: 4471
CTTTGATCT (SEQ ID NO: 1515	GCTGACAGCT (SEQ ID NO: 2793	ATAGAGGTCA (SEQ ID NO: 4472
ACATCAAAG (SEQ ID NO: 1516	AGCTGTCAGG (SEQ ID NO: 2794	TGACCTCTAT (SEQ ID NO: 4473
CTTTGATGT (SEQ ID NO: 1517	CCTGACAGCT (SEQ ID NO: 2795	ATTTTCCATT (SEQ ID NO: 4474
AACAGCTGAT (SEQ ID NO: 1590	AGCTGTCAGT (SEQ ID NO: 2796	AATGGAAAAT (SEQ ID NO: 4475
ATCAGCTGTT (SEQ ID NO: 1591	ACTGACAGCT (SEQ ID NO: 2797	AACAGGAAGT (SEQ ID NO: 4476
ATCAGCTGAT (SEQ ID NO: 1592	CGCTGACAAC (SEQ ID NO: 2798	ACTTCCTGTT (SEQ ID NO: 4477
ATCAGCTGAT (SEQ ID NO: 1593	GTTGTCAGCG (SEQ ID NO: 2799	CCACGCCCAC (SEQ ID NO: 4478
TTGACAAG (SEQ ID NO: 1618	CGCTGACAAG (SEQ ID NO: 2800	GTGGGCGTGG (SEQ ID NO: 4479
CTTGTCAA (SEQ ID NO: 1619	CTTGTCAGCG (SEQ ID NO: 2801	CCACGCCCCC (SEQ ID NO: 4480
TTGACATG (SEQ ID NO: 1620	CGCTGACAAT (SEQ ID NO: 2802	GGGGGCGTGG (SEQ ID NO: 4821
CATGTCAA (SEQ ID NO: 1621	ATTGTCAGCG (SEQ ID NO: 2803	ACTTCCTGA (SEQ ID NO: 4822
AAGTGG (SEQ ID NO: 1626	CGCTGACACC (SEQ ID NO: 2804	TCAGGAAGT (SEQ ID NO: 4823
CCACTT (SEQ ID NO: 1627	GGTGTCAGCG (SEQ ID NO: 2805	ACTTCCTGC (SEQ ID NO: 4824

Motif	Motif	Motif
AAGTGC (SEQ ID NO: 1628	CGCTGACACG (SEQ ID NO: 2806	GCAGGAAGT (SEQ ID NO: 4825
GCACTT (SEQ ID NO: 1629	CGTGTCAGCG (SEQ ID NO: 2807	ACTTCCTGT (SEQ ID NO: 4826
CTCCCG (SEQ ID NO: 1642	CGCTGACACT (SEQ ID NO: 2808	ACAGGAAGT (SEQ ID NO: 4827
CGGGAG (SEQ ID NO: 1643	AGTGTCAGCG (SEQ ID NO: 2809	ATTTCCTGA (SEQ ID NO: 4828
CTCCCC (SEQ ID NO: 1644	CGCTGACAGC (SEQ ID NO: 2810	TCAGGAAAT (SEQ ID NO: 4829
GGGGAG (SEQ ID NO: 1645	GCTGTCAGCG (SEQ ID NO: 2811	ATTTCCTGC (SEQ ID NO: 4830
TTTCTGC (SEQ ID NO: 1646	CGCTGACAGG (SEQ ID NO: 2812	GCAGGAAAT (SEQ ID NO: 4831
GCAGAAA (SEQ ID NO: 1647	CCTGTCAGCG (SEQ ID NO: 2813	ATTTCCTGT (SEQ ID NO: 4832
AACAGCTGTC (SEQ ID NO: 1730	CGCTGACAGT (SEQ ID NO: 2814	ACAGGAAAT (SEQ ID NO: 4833
GACAGCTGTT (SEQ ID NO: 1731	ACTGTCAGCG (SEQ ID NO: 2815	AATTTCCAC (SEQ ID NO: 4874
AGCAGCTGG (SEQ ID NO: 1738	CGCTGTCAAC (SEQ ID NO: 2816	GTGGAAATT (SEQ ID NO: 4875
CCAGCTGCT (SEQ ID NO: 1739	GTTGACAGCG (SEQ ID NO: 2817	AATTTCCAT (SEQ ID NO: 4876
AGCAGCTGC (SEQ ID NO: 1740	CGCTGTCAAG (SEQ ID NO: 2818	ATGGAAATT (SEQ ID NO: 4877
GCAGCTGCT (SEQ ID NO: 1741	CTTGACAGCG (SEQ ID NO: 2819	AATTTCCGC (SEQ ID NO: 4878
CCCACCCAAC (SEQ ID NO: 1750	CGCTGTCAAT (SEQ ID NO: 2820	GCGGAAATT (SEQ ID NO: 4879
GTTGGGTGGG (SEQ ID NO: 1751	ATTGACAGCG (SEQ ID NO: 2821	AATTTCCGT (SEQ ID NO: 4880
CCCTCCCAAC (SEQ ID NO: 1752	CGCTGTCACC (SEQ ID NO: 2822	ACGGAAATT (SEQ ID NO: 4881
GTTGGGAGGG (SEQ ID NO: 1753	GGTGACAGCG (SEQ ID NO: 2823	TATTTCCAC (SEQ ID NO: 4882
TCACCTCC (SEQ ID NO: 1762	CGCTGTCACG (SEQ ID NO: 2824	GTGGAAATA (SEQ ID NO: 4883
GGAGGTGA (SEQ ID NO: 1763	CGTGACAGCG (SEQ ID NO: 2825	TATTTCCAT (SEQ ID NO: 4884
AGATAA (SEQ ID NO: 1814	CGCTGTCACT (SEQ ID NO: 2826	ATGGAAATA (SEQ ID NO: 4885
TTATCT (SEQ ID NO: 1815	AGTGACAGCG (SEQ ID NO: 2827	TATTTCCGC (SEQ ID NO: 4886
TGATAA (SEQ ID NO: 1816	CGCTGTCAGC (SEQ ID NO: 2828	GCGGAAATA (SEQ ID NO: 4887
TTATCA (SEQ ID NO: 1817	GCTGACAGCG (SEQ ID NO: 2829	TATTTCCGT (SEQ ID NO: 4888

Motif	Motif	Motif
GTAAACAG (SEQ ID NO: 1890	CGCTGTCAGG (SEQ ID NO: 2830	ACGGAAATA (SEQ ID NO: 4889
CTGTTTAC (SEQ ID NO: 1891	CCTGACAGCG (SEQ ID NO: 2831	ACTTCCGGC (SEQ ID NO: 4892
GGTCATT (SEQ ID NO: 1924	CGCTGTCAGT (SEQ ID NO: 2832	GCCGGAAGT (SEQ ID NO: 4893
AATGACC (SEQ ID NO: 1925	ACTGACAGCG (SEQ ID NO: 2833	ACTTCCGGT (SEQ ID NO: 4894
CCCCGCCC (SEQ ID NO: 1926	GGCTGACAAC (SEQ ID NO: 2834	ACCGGAAGT (SEQ ID NO: 4895
GGGCGGGG (SEQ ID NO: 1927	GTTGTCAGCC (SEQ ID NO: 2835	ATTTCCGGC (SEQ ID NO: 4896
CCCCTCCC (SEQ ID NO: 1928	GGCTGACAAG (SEQ ID NO: 2836	GCCGGAAAT (SEQ ID NO: 4897
GGGAGGGG (SEQ ID NO: 1929	CTTGTCAGCC (SEQ ID NO: 2837	ATTTCCGGT (SEQ ID NO: 4898
ACCGTTA (SEQ ID NO: 1942	GGCTGACAAT (SEQ ID NO: 2838	ACCGGAAAT (SEQ ID NO: 4899
TAACGGT (SEQ ID NO: 1943	ATTGTCAGCC (SEQ ID NO: 2839	GCTTCCGGC (SEQ ID NO: 4900
TCCGTTA (SEQ ID NO: 1944	GGCTGACACC (SEQ ID NO: 2840	GCCGGAAGC (SEQ ID NO: 4901
TAACGGA (SEQ ID NO: 1945	GGTGTCAGCC (SEQ ID NO: 2841	GCTTCCGGT (SEQ ID NO: 4902
AACAGCTGA (SEQ ID NO: 1948	GGCTGACACG (SEQ ID NO: 2842	ACCGGAAGC (SEQ ID NO: 4903
TCAGCTGTT (SEQ ID NO: 1949	CGTGTCAGCC (SEQ ID NO: 2843	GTTTCCGGC (SEQ ID NO: 4904
AACAGCTGG (SEQ ID NO: 1950	GGCTGACACT (SEQ ID NO: 2844	GCCGGAAAC (SEQ ID NO: 4905
CCAGCTGTT (SEQ ID NO: 1951	AGTGTCAGCC (SEQ ID NO: 2845	GTTTCCGGT (SEQ ID NO: 4906
AACAGCTGT (SEQ ID NO: 1952	GGCTGACAGC (SEQ ID NO: 2846	ACCGGAAAC (SEQ ID NO: 4907
ACAGCTGTT (SEQ ID NO: 1953	GCTGTCAGCC (SEQ ID NO: 2847	ACTTCCGGGT (SEQ ID NO: 4908
ACCAGCTGA (SEQ ID NO: 1954	GGCTGACAGG (SEQ ID NO: 2848	ACCCGGAAGT (SEQ ID NO: 4909
TCAGCTGGT (SEQ ID NO: 1955	CCTGTCAGCC (SEQ ID NO: 2849	ACTTCCGGTT (SEQ ID NO: 4910
ACCAGCTGG (SEQ ID NO: 1956	GGCTGACAGT (SEQ ID NO: 2850	AACCGGAAGT (SEQ ID NO: 4911
CCAGCTGGT (SEQ ID NO: 1957	ACTGTCAGCC (SEQ ID NO: 2851	ACTTCCTGGT (SEQ ID NO: 4920
ACCAGCTGT (SEQ ID NO: 1958	GGCTGTCAAC (SEQ ID NO: 2852	ACCAGGAAGT (SEQ ID NO: 4921
ACAGCTGGT (SEQ ID NO: 1959	GTTGACAGCC (SEQ ID NO: 2853	ACTTCCTGTT (SEQ ID NO: 4922

Motif	Motif	Motif
ATCAGCTGA (SEQ ID NO: 1960	GGCTGTCAAG (SEQ ID NO: 2854	AACAGGAAGT (SEQ ID NO: 4923
TCAGCTGAT (SEQ ID NO: 1961	CTTGACAGCC (SEQ ID NO: 2855	AACTTCCGGC (SEQ ID NO: 4924
ATCAGCTGG (SEQ ID NO: 1962	GGCTGTCAAT (SEQ ID NO: 2856	GCCGGAAGTT (SEQ ID NO: 4925
CCAGCTGAT (SEQ ID NO: 1963	ATTGACAGCC(SEQ ID NO: 2857	AACTTCCGGT (SEQ ID NO: 4926
ATCAGCTGT (SEQ ID NO: 1964	GGCTGTCACC (SEQ ID NO: 2858	ACCGGAAGTT (SEQ ID NO: 4927
ACAGCTGAT (SEQ ID NO: 1965	GGTGACAGCC (SEQ ID NO: 2859	CACTTCCGGC (SEQ ID NO: 4928
CAGATAAGG (SEQ ID NO: 1974	GGCTGTCACG (SEQ ID NO: 2860	GCCGGAAGTG (SEQ ID NO: 4929
CCTTATCTG (SEQ ID NO: 1975	CGTGACAGCC (SEQ ID NO: 2861	CACTTCCGGT (SEQ ID NO: 4930
TGCCAGCC (SEQ ID NO: 1984	GGCTGTCACT (SEQ ID NO: 2862	ACCGGAAGTG (SEQ ID NO: 4931
GGCTGGCA (SEQ ID NO: 1985	AGTGACAGCC (SEQ ID NO: 2863	TACTTCCGGC (SEQ ID NO: 4932
TGCCAGCG (SEQ ID NO: 1986	GGCTGTCAGC (SEQ ID NO: 2864	GCCGGAAGTA (SEQ ID NO: 4933
CGCTGGCA (SEQ ID NO: 1987	GCTGACAGCC (SEQ ID NO: 2865	TACTTCCGGT (SEQ ID NO: 4934
TGCCAGCT (SEQ ID NO: 1988	GGCTGTCAGG (SEQ ID NO: 2866	ACCGGAAGTA (SEQ ID NO: 4935
AGCTGGCA (SEQ ID NO: 1989	CCTGACAGCC (SEQ ID NO: 2867	GGAAATTCCC (SEQ ID NO: 4936
GTCAGCA (SEQ ID NO: 2010	GGCTGTCAGT (SEQ ID NO: 2868	GGGAATTTCC (SEQ ID NO: 4937
TGCTGAC (SEQ ID NO: 2011	ACTGACAGCC (SEQ ID NO: 2869	GTGACCTTGA (SEQ ID NO: 4938
CGGTTTCAAA (SEQ ID NO: 2014	ATAAACA (SEQ ID NO: 2890	TCAAGGTCAC (SEQ ID NO: 4939
TTTGAAACCG (SEQ ID NO: 2015	TGTTTAT (SEQ ID NO: 2891	AACAGGAAAT (SEQ ID NO: 4940
AGATAAG (SEQ ID NO: 2018	GTAAACA (SEQ ID NO: 2892	ATTTCCTGTT (SEQ ID NO: 4941
CTTATCT (SEQ ID NO: 2019	TGTTTAC (SEQ ID NO: 2893	AAACCACAAA (SEQ ID NO: 4942
TGATAAG (SEQ ID NO: 2020	GGTCACGTGA (SEQ ID NO: 3036	TTTGTGGTTT (SEQ ID NO: 4977
CTTATCA (SEQ ID NO: 2021	TCACGTGACC (SEQ ID NO: 3037	ATTTCCTGT (SEQ ID NO: 4978
TTCCAGAGAA (SEQ ID NO: 2022	TTTCCGGTAA (SEQ ID NO: 3040	ACAGGAAAT (SEQ ID NO: 4979
TTCTCTGGAA (SEQ ID NO: 2023	TTACCGGAAA (SEQ ID NO: 3041	ACCGGAAGTG (SEQ ID NO: 4980

Motif	Motif	Motif
TTCCACAGAA (SEQ ID NO: 2024	AACATATGGC (SEQ ID NO: 3170	CACTTCCGGT (SEQ ID NO: 4981
TTCTGTGGAA (SEQ ID NO: 2025	GCCATATGTT (SEQ ID NO: 3171	CAAACCACAG (SEQ ID NO: 4982
TTCCTGAGAA (SEQ ID NO: 2026	AACATATGGT (SEQ ID NO: 3172	CTGTGGTTTG (SEQ ID NO: 5011
TTCTCAGGAA (SEQ ID NO: 2027	ACCATATGTT (SEQ ID NO: 3173	AACCACAA (SEQ ID NO: 5012
TTCCTCAGAA (SEQ ID NO: 2028	ACCATATGGC (SEQ ID NO: 3174	TTGTGGTT (SEQ ID NO: 5013
TTCTGAGGAA (SEQ ID NO: 2029	GCCATATGGT (SEQ ID NO: 3175	AACCGCAA (SEQ ID NO: 5014
ACCGGAAGT (SEQ ID NO: 2030	ACCATATGGT (SEQ ID NO: 3176	TTGCGGTT (SEQ ID NO: 5015
ACTTCCGGT (SEQ ID NO: 2031	ACCATATGGT (SEQ ID NO: 3177	AAACCACAA (SEQ ID NO: 5016
GCCAATGA (SEQ ID NO: 2068	CCACACCCAC (SEQ ID NO: 3178	TTGTGGTTT (SEQ ID NO: 5017
TCATTGGC (SEQ ID NO: 2069	GTGGGTGTGG (SEQ ID NO: 3179	AAACCACAG (SEQ ID NO: 5018
GCCAATGG (SEQ ID NO: 2070	ATCACGTGAC (SEQ ID NO: 3188	CTGTGGTTT (SEQ ID NO: 5019
CCATTGGC (SEQ ID NO: 2071	GTCACGTGAT (SEQ ID NO: 3189	AAACCACAT (SEQ ID NO: 5020
GCCAATCA (SEQ ID NO: 2072	ATCACGTGAT (SEQ ID NO: 3190	ATGTGGTTT (SEQ ID NO: 5021
TGATTGGC (SEQ ID NO: 2073	ATCACGTGAT (SEQ ID NO: 3191	TAACCACAA (SEQ ID NO: 5022
GCCAATCG (SEQ ID NO: 2074	GTCACGTGAC (SEQ ID NO: 3192	TTGTGGTTA (SEQ ID NO: 5023
CGATTGGC (SEQ ID NO: 2075	GTCACGTGAC (SEQ ID NO: 3193	TAACCACAG (SEQ ID NO: 5024
CCTTATCTC (SEQ ID NO: 2276	GTCACGTGAT (SEQ ID NO: 3259	CTGTGGTTA (SEQ ID NO: 5025
GAGATAAGG (SEQ ID NO: 2277	ATCACGTGAC (SEQ ID NO: 3258	TAACCACAT (SEQ ID NO: 5026
CAACTG (SEQ ID NO: 2290	ACCGGAAGT (SEQ ID NO: 3342	ATGTGGTTA (SEQ ID NO: 5027
CAGTTG (SEQ ID NO: 2291	ACTTCCGGT (SEQ ID NO: 3203	AACCGGAAGT (SEQ ID NO: 5028
AAACCGCCA (SEQ ID NO: 2294	AACAGCTGC (SEQ ID NO: 3204	ACTTCCGGTT (SEQ ID NO: 5029
TGGCGGTTT (SEQ ID NO: 2295	GCAGCTGTT (SEQ ID NO: 3205	AAGGTCA (SEQ ID NO: 5030
AAACCGCCC (SEQ ID NO: 2296	AACAGCTGG (SEQ ID NO: 3206	TGACCTT (SEQ ID NO: 5031
GGGCGGTTT (SEQ ID NO: 2297	CCAGCTGTT (SEQ ID NO: 3207	AAAGGTCA (SEQ ID NO: 5032

Motif	Motif	Motif
AAACCGCCG (SEQ ID NO: 2298	AACAGCTGT (SEQ ID NO: 3208	TGACCTTT (SEQ ID NO: 5033
CGGCGGTTT (SEQ ID NO: 2299	ACAGCTGTT (SEQ ID NO: 3209	AAACCACAA (SEQ ID NO: 5034
AAACCGCTA (SEQ ID NO: 2300	ACCAGCTGC (SEQ ID NO: 3210	TTGTGGTTT (SEQ ID NO: 5035
TAGCGGTTT (SEQ ID NO: 2301	GCAGCTGGT (SEQ ID NO: 3211	AAACCACAG (SEQ ID NO: 5036
AAACCGCTC (SEQ ID NO: 2302	ACCAGCTGG (SEQ ID NO: 3212	CTGTGGTTT (SEQ ID NO: 5037
GAGCGGTTT (SEQ ID NO: 2303	CCAGCTGGT (SEQ ID NO: 3213	TAACCACAA (SEQ ID NO: 5038
AAACCGCTG (SEQ ID NO: 2304	ACCAGCTGT (SEQ ID NO: 3214	TTGTGGTTA (SEQ ID NO: 5039
CAGCGGTTT (SEQ ID NO: 2305	ACAGCTGGT (SEQ ID NO: 3215	TAACCACAG (SEQ ID NO: 5040
AAACCGTCA (SEQ ID NO: 2306	AGCAGCTGC (SEQ ID NO: 3216	CTGTGGTTA (SEQ ID NO: 5041
TGACGGTTT (SEQ ID NO: 2307	GCAGCTGCT (SEQ ID NO: 3217	ACAGGAAGTG (SEQ ID NO: 5042
AAACCGTCC (SEQ ID NO: 2308	AGCAGCTGG (SEQ ID NO: 3218	CACTTCCTGT (SEQ ID NO: 5043
GGACGGTTT (SEQ ID NO: 2309	CCAGCTGCT (SEQ ID NO: 3219	ACTTCCGGA (SEQ ID NO: 5044
AAACCGTCG (SEQ ID NO: 2310	AGCAGCTGT (SEQ ID NO: 3220	TCCGGAAGT (SEQ ID NO: 5045
CGACGGTTT (SEQ ID NO: 2311	ACAGCTGCT (SEQ ID NO: 3221	ACTTCCGGC (SEQ ID NO: 5046
AAACCGTTA (SEQ ID NO: 2312	CACAGCTGC (SEQ ID NO: 3222	GCCGGAAGT (SEQ ID NO: 5047
TAACGGTTT (SEQ ID NO: 2313	GCAGCTGTG (SEQ ID NO: 3223	ACTTCCGGT (SEQ ID NO: 5048
AAACCGTTC (SEQ ID NO: 2314	CACAGCTGG (SEQ ID NO: 2224	ACCGGAAGT (SEQ ID NO: 5049
GAACGGTTT (SEQ ID NO: 2315	CCAGCTGTG (SEQ ID NO: 3225	ATTTCCGGA (SEQ ID NO: 5050
AAACCGTTG (SEQ ID NO: 2316	CACAGCTGT (SEQ ID NO: 3226	TCCGGAAAT (SEQ ID NO: 5051
CAACGGTTT (SEQ ID NO: 2317	ACAGCTGTG (SEQ ID NO: 3227	ATTTCCGGC (SEQ ID NO: 5052
AAACGGCCA (SEQ ID NO: 2318	CCCAGCTGC (SEQ ID NO: 3228	GCCGGAAAT (SEQ ID NO: 5053
TGGCCGTTT (SEQ ID NO: 2319	GCAGCTGGG (SEQ ID NO: 3229	ATTTCCGGT (SEQ ID NO: 5054
AAACGGCCC (SEQ ID NO: 2320	CCCAGCTGG (SEQ ID NO: 3230	ACCGGAAAT (SEQ ID NO: 5055
GGGCCGTTT (SEQ ID NO: 2321	CCAGCTGGG (SEQ ID NO: 3231	GCTTCCGGA (SEQ ID NO: 5056

Motif	Motif	Motif
AAACGGCCG (SEQ ID NO: 2322	CCCAGCTGT (SEQ ID NO: 3232	TCCGGAAGC (SEQ ID NO: 5057
CGGCCGTTT (SEQ ID NO: 2323	ACAGCTGGG (SEQ ID NO: 3233	GCTTCCGGC (SEQ ID NO: 5058
AAACGGCTA (SEQ ID NO: 2324	CGCAGCTGC (SEQ ID NO: 3234	GCCGGAAGC (SEQ ID NO: 5059
TAGCCGTTT (SEQ ID NO: 2325	GCAGCTGCG (SEQ ID NO: 3235	GCTTCCGGT (SEQ ID NO: 5060
AAACGGCTC (SEQ ID NO: 2326	CGCAGCTGG (SEQ ID NO: 3236	ACCGGAAGC (SEQ ID NO: 5061
GAGCCGTTT (SEQ ID NO: 2327	CCAGCTGCG (SEQ ID NO: 3237	GTTTCCGGA (SEQ ID NO: 5062
AAACGGCTG (SEQ ID NO: 2328	CGCAGCTGT (SEQ ID NO: 3238	TCCGGAAAC (SEQ ID NO: 5063
CAGCCGTTT (SEQ ID NO: 2329	ACAGCTGCG (SEQ ID NO: 3239	GTTTCCGGC (SEQ ID NO: 5064
AAACGGTCA (SEQ ID NO: 2330	GACAGCTGC (SEQ ID NO: 3240	GCCGGAAAC (SEQ ID NO: 5065
TGACCGTTT (SEQ ID NO: 2331	GCAGCTGTC (SEQ ID NO: 3241	GTTTCCGGT (SEQ ID NO: 5066
AAACGGTCC (SEQ ID NO: 2332	GACAGCTGG (SEQ ID NO: 3242	ACCGGAAAC (SEQ ID NO: 5067
GGACCGTTT (SEQ ID NO: 2333	CCAGCTGTC (SEQ ID NO: 3243	AGAGGAAGTG (SEQ ID NO: 5068
AAACGGTCG (SEQ ID NO: 2334	GACAGCTGT (SEQ ID NO: 3244	CACTTCCTCT (SEQ ID NO: 5069
CGACCGTTT (SEQ ID NO: 2335	ACAGCTGTC (SEQ ID NO: 3245	CCGCCCACGC (SEQ ID NO: 5070
AAACGGTTA (SEQ ID NO: 2336	GCCAGCTGC (SEQ ID NO: 3246	GCGTGGGCGG (SEQ ID NO: 5071
TAACCGTTT (SEQ ID NO: 2337	GCAGCTGGC (SEQ ID NO: 3247	CCGCCCCCGC (SEQ ID NO: 5072
AAACGGTTC (SEQ ID NO: 2338	GCCAGCTGG (SEQ ID NO: 3248	GCGGGGGCGG (SEQ ID NO: 5073
GAACCGTTT (SEQ ID NO: 2339	CCAGCTGGC (SEQ ID NO: 3249	GCTGTGGTTT (SEQ ID NO: 5074
AAACGGTTG (SEQ ID NO: 2340	GCCAGCTGT (SEQ ID NO: 3250	AAACCACAGC (SEQ ID NO: 5075
CAACCGTTT (SEQ ID NO: 2341	ACAGCTGGC (SEQ ID NO: 3251	AACCGGAAGT (SEQ ID NO: 5076
AAACTGCCA (SEQ ID NO: 2342	GGCAGCTGC (SEQ ID NO: 3252	ACTTCCGGTT (SEQ ID NO: 5077
TGGCAGTTT (SEQ ID NO: 2343	GCAGCTGCC (SEQ ID NO: 3253	ACAGGAAGTG (SEQ ID NO: 5078
AAACTGCCC (SEQ ID NO: 2344	GGCAGCTGG (SEQ ID NO: 3254	CACTTCCTGT (SEQ ID NO: 5079
GGGCAGTTT (SEQ ID NO: 2345	CCAGCTGCC (SEQ ID NO: 3255	CGCCCCCTC (SEQ ID NO: 5128

Motif	Motif	Motif
AAACTGCCG (SEQ ID NO: 2346	GGCAGCTGT (SEQ ID NO: 3256	GAGGGGGCG (SEQ ID NO: 5129
CGGCAGTTT (SEQ ID NO: 2347	ACAGCTGCC (SEQ ID NO: 3257	CTCCCCCTC (SEQ ID NO: 5130
AAACTGCTA (SEQ ID NO: 2348	ATCACGTGAC (SEQ ID NO: 3258	GAGGGGGAG (SEQ ID NO: 5131
TAGCAGTTT (SEQ ID NO: 2349	GTCACGTGAT (SEQ ID NO: 3259	CGCCCACGC (SEQ ID NO: 5136
AAACTGCTC (SEQ ID NO: 2350	ATCACGTGAT (SEQ ID NO: 3260	GCGTGGGCG (SEQ ID NO: 5137
GAGCAGTTT (SEQ ID NO: 2351	ATCACGTGAT (SEQ ID NO: 3260	CGCCCCCGC (SEQ ID NO: 5138
AAACTGCTG (SEQ ID NO: 2352	TAATTA (SEQ ID NO: 3262	GCGGGGGCG (SEQ ID NO: 5139
CAGCAGTTT (SEQ ID NO: 2353	TAATTA (SEQ ID NO: 3263	TGCGTGGGCG (SEQ ID NO: 5140
AAACTGTCA (SEQ ID NO: 2354	TAATTG (SEQ ID NO: 3264	CGCCCACGCA (SEQ ID NO: 5141
TGACAGTTT (SEQ ID NO: 2355	CAATTA (SEQ ID NO: 3265	TGCGTGGGTG (SEQ ID NO: 5142
AAACTGTCC (SEQ ID NO: 2356	TTATAT (SEQ ID NO: 3340	CACCCACGCA (SEQ ID NO: 5143
GGACAGTTT (SEQ ID NO: 2357	ATATAA (SEQ ID NO: 3341	TGACCTTTGCAT (SEQ ID NO: 5144
AAACTGTCG (SEQ ID NO: 2358	ACCGGAAGT (SEQ ID NO: 3342	ATGCAAAGGTCA (SEQ ID NO: 5145
CGACAGTTT (SEQ ID NO: 2359		

Table 17: Exemplary E-P Pairing Sequences

Sequence
TCACACCTTTACCACAACAGCTGTTTACCCAGCACTGAAGGCGGCTGCCAACCAC AACATGAGGAATACATTTCCTCTTCAGAATGGGTGTTGGTGGTGTGTGGGTGCCA ATGCAGCGTGGGGACTGTGGCCTCACACATGAGTAAGAGCTGGTGTCCTATAGCC TTCAATGCCTGTCAAATAACTGTGGAACATGTTCAGCCCACACACGTTGAGACTCC TCCTCAGACTCCTAGGCGGGCGCTGCGATGGAGGCCGAGGGCCTGGACTGGCTCC TGGTGCCACTGCACCAGCTGGTGTCCTGGGGCGCGGCCGCGGCCATGGTCTTCGG AGGGGTGGTGCCCTACGTCCCGCAGTATCGGGACATTCGCAGGACGCAGAACGCC GACGGCTTCTCCACCTACGTGTGCCTGGTGCTGCTGGTGGCCAACATTTTGCGGAT ACTCTTCTGGTAAGTTGGGGGCAAAGAAAGTTGACAGACAATCCGTAGGCCTACT GCGTCTACGCCACCCGCA
AGCTCTAACTTATAGATGTACTTCTGTCAATACAGTAATTGGGCTAAGCTTTGTAA TTTTTACTGTTCCTTAGCAACAGTTTGCTCGGAACCTCCAACATTGGTTTTTACAGA ATAGTCATATGTGAAGTCAATGCTTTATCCCTTACCTTCTGGTACAGTCAGAAGGC GAAAGTAACAGACTAAAACAGAATGCTTCACAGGGCTTTGAAATAGATGCTATCA TATTTTTCCTACTAAATAGATCAGGCTCACTACCAATTAGCATCATCTTAATCTTGC CTAATAGTGAAGCAAAGTCACCAAGGATTTGGTGGATTTATCAGCTCCTCCCACA

Sequence
ATAGTCATCTGAGGCTAACACCTCTTGGAACCTAGATCGAAAGTCCTTTGGTAATG ATGTGTCATACATTCTAGTCATCAAAGACACCATTTTCTGGGCCTGAAGTGTTCTG CTGGTTTTTGGAGGAAAAAGAAAGTTGACAGACAATCCGTAGGCTCGGCGACAAC CGCCTCTACTTC
GAGTTGCATTTGTATCTTTGTCAATACAATATCATCTTACCTTGATACACCACTAC ATGTCTTGGCTATATGACATCAGTGTCTTGCACAATGGTATTGTGGAAAGGTCAAT ACTGTGCCAACCCACCTACAGCCTCTTCTGAGGGTACCCATCCTGCCCACACTTTC TGCTGAAGGGACAGGCCCAGGAAGCCATACTCAGTACCCAGTGCCCCACTTCCTC TATCCATTCCTCAGCCTCAAACTCCTGGGCCCAGCATACCTGGCTAATTTTAAAAT TTTTTGTACAGATGGAATCTTGCTTTGTTCCTAAGGCTGACCTTAAACTCTTGGCCC CAAGGCATACTCCCTCCTCAGCCTCCCAAAGTGCTGAGGTCACAGGCATGTGACA CTGTGCCCAGCCTCCCCTTCAGGTCTTCATTCTGCAGTCTCCTGTGTACGTGTAAA ATTATGATCAAATAAATAAAGAAAGTTGACAGACAATCCGTAGGCCGTCGCCCAC GCCTCCATCATCT
CCTACACTGTGCCCATTTAAAGATTAATAGTATATGCTTTAGAATAGTGCTTTACT AATATGATTATGAATCATAAGTATAATAGCTTGTGCTTAGTACAACAATAAGAGA ATCAGGCGGTGAGCTTGCTTGACTGACCACAGAGTGGAACAAACAACCACAGGA AGTCTGCGGAGCCTCTGAGCAAGAAAGTTGGCTTATTGCTCAACCTTCCACTTGAG TGCCTGAACTCCTGATGCAGTGAAGTCACAGGTTCCGTGATGTCACAGGTGGGCA GGCGCACTGGTCTGTAACGGATTGGCTTGGCCTTACCCACGAGGCTTTGCGGTGGC TGTTGGCTTGGCGGTGGTCGCTTGGCTTGGCGTGGCAGTGATCGCTTGGCTTGGCA TTTCTGGCTTGGCGGTCCTCCTTTCGCAGATTGGAAACCGCGGGCTATCCTGCTGG GAGGTTGTGGCCGAGGCAGTAAAGAAAGTTGACAGACAATCCGTAGGCCAACCG CGTCGACGCCAGCTTCA
ATGAGGATTAAATGAGATAATCTGTGAAGAATTATATATGGCATGAACAAGTCAT ATATAAAGTGCTGAGTAAACTTCAGATACTGAAGTTACACAGCAGACTGTGGGCT CCTCCAACGCAAAGACTGGGTCTTATTCATCTCTGCAACTTTTTTGCCTAGCACGA AGTCTGGCTGAATATTTGGTACAAAATACATGTTTACTGGATAACTAAATAATCGC AATAATTATCCTGGCACAGCCGAGAAGTAAGCCCTGCCAGCTCTCCCGGGTGCGG GGACGCGCGCGCCCACCTTCGCAAACGAGACTTCCGGGATCCCGGAGGGGGCGG AAGTCGAGGCCTCTCTCGCTTCCGGCTCGGCCATTGTTTTTGGTCTAACGGGCAGT AGAGTGTCCGGCTTCGGTGCCGAGTGCCACCGCGAGTGGGCCGAGACGCGGAGG GAGGCGCGGCCGGAGCTCGGGTCAAAGAAAGTTGACAGACAATCCGTAGGCTCG TCTTCATCTGCCACCCCTTC
AAGGTAATAAATAAAGTCAAATTAGAGGTACAAAGGCAGTTGATAGGTACCCAA AGGGAAGACCAAACAGCAGTGTCTGTCAGAGAAAATGCCAGCAGGGGACACCTC CTGACCATACCTCCTGCTGAGGCGGAAGGTGTGCCGTTGGTGGTTGACAAAGATG TTTTTTCTGTTGAAACACCAAAGAAAGAACATCAACCTCTAAGAAACACTTCCTTT ACATGTCAGAATCCTAATAAAAGCATCAGTATTGCAAAGACTTTCCATGATCCTAT ACCCACCTCGAAAGCCCCCTCTCACCACAGGAAGTGCACTGACCATTGGAGGCAT AAAAGAGATCCTCAAAGAGCCCGATCCTCACTCTCCCTGCACAGCTCAGCGGGAC CTCAGCCATGAGACTTCTCATCCTGGCCCTCCTTGGCATCTGCTCTCTCACTGCATA CATTGTGGAAGGTAAGTGGAGAAAAGAAAGTTGACAGACAATCCGTAGGCCCTC GTCACCAACGACGACTTCT

Sequence
TCCACTTGCCATGAGCTGGTTTTGCAAAGAAGAAAACGGTTTCCTTTATATGTGGA GATTAAGAACAAGTTTATCTGTAGTTTTGGTGCTCGACTAACTGGGAACCAAGCC ACAGTTGCTTGTAAAACGGACCCTAAGTTATCTTGATCTTGATGGTTCAGTGCTTG GAAATCTCTGGGGCTTTCGGTGCCTGGTAAAAGTTCAATCACTTATCTGATTTGTG GTTGGCATCCTCCAGCTGCACTCCCCACTCTCTGTCACCAGGAGCTGCCGGGTGCC TGGGATATCCTGGCAGCTCTGCTCAAAATGATCTACGACTTCATGAATTTATTTGG CTCCTCCTCGGGGCCAGGGTGAGTGTCATGGGTTAATAAGGCCGGCCCCGCCTTC AGGAGCGGTCCACTGGGAGATGTGTGCTGCGCAGCCCTCTTGCGAAAGCTCTCCC CTGGTGGGACATTCTGGGCAAAGAAAGTTGACAGACAATCCGTAGGCGCGACTAC CACTGCATCGGCGAC
AAGGCATTTTACTTCTTGAAATATTTAGTTTTGACCTGAGAAAGGGGAGAATAAA ACGTTTGTACTTTGGGGGACAGTATGAGTGCTGGGGTTTCTGTTTCAGTGCAGGCT TGTCTATGAGACATGCATATGCATAACTTCATGCAGGGAAAGTGTCGTGCACTTTT CTCTCGCTGAAGTTTACTTCCGGGGTGACTTAGTTTTTCTGATCAGTTTAGATGTTC ATATCTTCCTGCTTCTGGAATGGGGGTCTACAGGTGTGAAAGGTCAGCCCCCCTGA GGGAGAGGTGGGGCCCGAGCAGGCTCCTCCCACTGCGGGAGTGCTGGCCTTTCCC CTGCAGGGCTGTGGCTCTGGGACCACTTCCTCTTTCTTCACTCTGAAGCCAAGAGC CGACCTTCTGAGCCCTCAAGAAAGATCAGAACAGATTCATGGGTGATTTAGCCTA TCTGTCCCAGGCCAGCGTAAAGAAAGTTGACAGACAATCCGTAGGCTCCAGCGTC CGCCACTGCACCTA
CATGTACCTGACGCTTTATTGTTTCTCTAACACACCAGCCAGTTCTGACCTCAAAG CCTTCATGCTTGCTGTTTTTTTCCACTCAGCATGCTCTACCCTAGCTGCCTGTTTCG TTGGCTTCCTCATTTCCTTGAAGTCTTTACTCAAAACACCTTCTCAGTCAGACCTCT CCTAGCCAGTATTTAGAACTGCAACTCCCAACACTACCCTTCCCTGTCCCAGCTCT ATTATCCTGAAGCCAGGACTCGATGCAGATTGGCTACGGATCCAAAACGCCCACT AACCTTGGCGCGTCCCAGTCTCCACCCCAAACCTAACTCAGGTGAAAATGGCGCC ACGCGCGGGGGCGGGGCTAGAGGTACAAAGAGAGTGTCTATTGGTTGGGAGCGG CACGGGCCGCCTTCTTCGCTTCACCATTGGCTCGCTCCGTAAGGCAAGAGAACCCA CTAGGGGATGAGCCCGAAAAAGAAAGTTGACAGACAATCCGTAGGCCGCAGCTT CAGCGTCCTCTTCAA
CAGAATGATTTATATTCCTTTGGGCATATACCCAGTAATGAAATTGCTGGGTCTGA TGGTATTTCTGTCTTTTGGCCTTTGAGAAATTGTCTTCCACAATGACTGGACTATTT TACACTCCCACCAACAGTGTAGAAGTGTTAATTTTTCTTCATAACCTCACTAGCAT CTGTTATTTTTGACTCTTTAGTAGTAGCCATTCTGACTGATGTGAGATAGTATCTCA TTGTTCCTGGGCAGCTGAGGAGGAGCTACCTTAAAAAAGGAGGTGTGTGCCAGGG AGCTGGGTAGGAGCCTGGCTATATATCTGCCCAGCAGCGGTACTCTCGGGACAGA GATGGCACTGATGCAGGAACTGTATAGCACACCAGCCTCCAGGCTGGACTCCTTC GTGGCTCAGTGGCTGCAGCCCCACCGGGAGTGGAAGGAAGAGGTGCTAGACGCT GTGCGGACCGTGGAGGAGTAAAGAAAGTTGACAGACAATCCGTAGGCGCCTCTAC TGCTTCTACTTCGTC
GACAACCTCGGTGTTCTACAATAGGGACCAAGAGGAACAGGCCCAAAAGGAAAA GCAAGATCAGAGAAAGGCCTCAGCCTTAGTCATAGCTCTCAGCCTTAGTCATGGC CCTCAGACAAACAAACCTTGGTGGTTCAGAGAGGAAAGAAAATGAGGCAGGCCA ATCACTTGGTAGGGCTTGTTATCAGTGTGGTTTACAAGGACACTTTAAAAAAGATT GTCCAATGAGATCCTTTCTAAGCCATTTAGAAATGACTCACTTTGAAACTCTTCCT

Sequence
GTGAGGTCAGATAGTGGTCTAGAGCATAAGACTTAACTTATTGCCGGAAACAGAG AGAGAACAGAAGAAGAGAAAGCTCAGCAAATTTTCTTGCCATACTTCATGACTTC ACTGTGGCTAAGTGTGGGGACCAGACAGGACTCGTGGAGACATCCAGGTGCTGAA GCCTTCAGCTACTGTCTCAGTTTTAAAGAAAGTTGACAGACAATCCGTAGGCTCGG CTCCTGCCCCCTCAGCTTC
ATTACAGTTGTCTATGGTGTTCAGTACAGTAACATACTGCACAGGTTTGTAGTCTA GGAGCAGTAAGTTATGCCATATAGCCTATGTGTGTAATAGACTATACCATCTAGGT TTGTATAAGTGCACTCTGTGATGTTCACACAATGACAAAACCCCCTAAAAATGCAT TTCTCAGATTGTGTCACCATTGTTGAATGATGCATTATTGTAATTTAAAGATGTTG CTCCACTCCTTCAGAAAGATATGCCCAATAACAAGAGACTATCCGAGGGCGGTGC AAATGGAAATATTGAAAGCCGATTGGTTCTTCCAAGCTGGAAGTTGTGGAGGAAG GACTAATTTGGAACCAATTGCGTGGCGCCTGAGAGCGGCAGCGCGGTCAGTGGCG GCGCTGAAGAGACCGGTTGCCGCCATGATAGAACAGCAGAAGCGTAAGGGCCCA GAGTTGCCGCTGGTTCCAGTCAAAGAAAGTTGACAGACAATCCGTAGGCTGCATC AACTGCATCTGCTACGG
GGGTAGAATTTGATACAAAGCCACTGCTATGTGTGGGAGGCTGAGATCAGACCAG ACATCAGCTTTTTAACATGAGGAAGGATGTGGCTGCATCTCAGACATGAGACGTG CATGCATGAATGTTAGGAAGGTTTACAGTGATTCTTAGAAATGTAACCTCTAATCA CAGAATTTAGACCTATGCCTCCTGGTAAATTTAGAATTGAGCCTTTGTTATGGATG CATTATTTTCCTATATGACCAATGGGAGAGTAGACCTAAGCTCCTTCATTTGCATG CAGACTTCACGACAAAATAACGAATCAGAGTTGGAGAAACTAAATCTTCATTTAC ATAACATTGTCTACAAATTCCGAGGATCAGGAGATGTAGATTTCATTTTCTTTCCT AACTGCAGAACAGCAAAGATAGCATGCCTGAGCCAGCGAAATCCGCTCCCGCCCC GAAGAAGGGCTCCAAGAAGGAAAGAAAGTTGACAGACAATCCGTAGGCACAGCT TCGGCTCCTACAGCACC
ATCTCCTCTTGCCATTATCTACTAAACAATCCCTGCCCAAACCATGTAGAAACAGA ATAAGAAACTTCAGACATATTTTGCAGTGAAGCAGGAAACCTATCAGATGACGTG GCCACTTTCTCTTGTAAACCCACTGAGGGTGTGGGGCTGGAATGCAGCTGCCAAC ATGTCTGGTTCCTTTCTAGCTCTGAGCATCACCAGTACTTAAAGGGACTTTTCATG TAGCATCATCCTCAAAGACTGGATGAATGGACGATGTACCATAGAGGAGAGAGA GAGGAGCGTGTGTCTGCACATCTTCCTGCAGATCGCAGAGGCAGTGGAGTTTCTTC ACAGTAAAGGACTGATGCACAGGGACCTCAAGGTCTGTATTTGTGGAGCATCACC CTTGGGGTTTCAATCTGACGTTTTGTGATTCAGAGCAGTACTTGCAGTACTCTGAA GGATCCTTAAGAGTTGGGGAGAAAGAAAGTTGACAGACAATCCGTAGGCCCCGC AACAGCGTCTGCGTCCGC
GCCACAGTGCCCGGCTCCCTGCCCCACTTTCTGAGACCCAGATCCACTTCCTGGTT TCCTGTGTGGTCATGTGACCACACTTGGCCAATTGGAGCCTTTTGTTATCACAGGC ACAGGGATTGGGTCAGGGCTGGGCACGTGATCCTGCCTGAGCCAATCATGCTACG AGTTTGGAGACTCCCTGGAAGAAGGCCTAGAAGTAAGGAAAACCATCTTGGACGC ATGATGATTCCTCCACCGCAACCCGCCCCTTTGCCTACTGCGCGGGCAGTTTCTTG CAAACCCGGAAGCAGATCTCTTGGAGTGAAGGCTGTTAGTCGCCGCGTGAGTTTC CCTCTATCTAGATTAAACCTGCGTTTCGGAGTCCCCTGCTCCTCCGTACCCGATGT CCGGGGGTTCGTATAGCCCTTAAAGTCCCCGCACGGCTCCCTCCATTCCATGTAAA TTCAGACTTTGCCGCGAGAAAAGAAAGTTGACAGACAATCCGTAGGCTCTTCTAC ACCCTCTTCTGCGAC

Sequence
CAACACCATTACCTATATTGTTTGTGTTTTTCCTTAAGGTCTCTTCTTATTACTTGCT AGCCTGACTTGAGTCATCAAATCCAACAAAAATCACGGTTTACACTCTGCTTCAGG CTAGCTGCGTTTCATGTACTATATCTGACTACTACATCTGAAACATTCTTCTTGGTA GCATATTTCAGTCAGAGTATGAAAATTTTCTATGACTAAAGTCACTGTAGTGGCCT TATTCCTGAAGCTTCTAAAAAGCCACTGGGAAAGTACTAAATCTCTGAGACTAAA GAGGGCGGACTCAGCCTCACTTCCTCCTTCTTCTCATCTGGGCTTCCTGTCGTCAC AGCATGATCATATTTTTTCACCCTTCACTTCTCCTTTTACACAAATAGCCCCGGATA TCTGTGTTACCAGCCTTGTCTCGGCCACCTCAAGGATAATCACTAAATTCTGCCGA AAGGACTGAGGAAAAAGAAAGTTGACAGACAATCCGTAGGCGACATCTTCATCTA CGTCAACAC
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CTTTTTCTTTTCAGAGATGGCCTGCCCAGAAAAGAGGAATCTAGAGAGGCAGTCT AGCCACAGCAGCCTTGCTGAGCTGCGGTTGGCTCCACCCAGTTTGATCTTCTGAGT GGCTTTGTTTACACTGTGAAGGTAAAACCACATGCTCAAGCCTCAGCAATGGTGG ATGCTTCTCCCTCCACCAAATTCTAGTATCCCAGGTCGAGCTCAGACTGCTGTGCT GGCAGTAATCCTCCTTGCAGGGAGTGGGGCCGGAGAGGGTAGGGGAGAAACCAA GATAAGTGATTGGAGTCAGGGCAAATGCTGAGAAACATCTCATGTGGTTTCCTGT GTCATACTCTTATTTTCCAGCACCCTCTGTACAGGAAATCACAGGGTTGTTGAGCA TCTTGATAAGCTTCACTCAGTCATCAGGTTTCACTCCAGATCCTGCAGGCATCTCC CCATCCTCAGCTGTTTGCCAGAAAGAAAGTTGACAGACAATCCGTAGGCCTACTC CGGCATCTACCACGGCT
TTATCATTCTTCACTGGTGTGGTGGTGACAGGTGAAATTTCAGCAGGCTGATCATA CAAGGTAAGGAAATGGAAACAATGAGTTTAGATGGTTTGAAGTCTGGTTAAGACA GGAAGGAAAGAGATAATATCTAAGTAGAGTCATATGTCGGGTCAATAGATCTTAA AATACAGATAGAAGACAGTAACACATTTTGTAACTTGAGGTAACAAAATTATGTT GAAAGGGAGTCCTCACCTGGCAGAAGGCATAGTTTTGATGTGAACAGTTGGGGGA AGCTTGTTTCTCTACACCCTCAAGCACGCCCACAGCAGGAGCTGAGCAGCAGGCC AGACGGCACAGAGCCCTCCTGGGACTGGTTATTTACATTAACCAAGGTGGAAACT TCTCCCGGAGATAGGTGCTGCCAAGAACCCTAGAGGAAGTAAGACGCTTTATCTT TTGCACGCACGCCAAGTCTTCAGAAAGAAAGTTGACAGACAATCCGTAGGCTCTT CGTCCGCTGCATCCACAAC
TAATCTTTCTGGCTACTTCCTGCTGAGAGGGGGTCATCGTTATGGGGCACCGAATG CAGCACTGGAGTGGAAAAAGTCGATTTGTTCCCAGTAGCACTCTCTGTTTCGGGG GTGTAGAGGCAGTACCTGCTAAAACATAATAGTAGGCAACAGCAACACATATAAA TAGGTTGCTGCTACTTCCTTCAGAAGTTTCGGTTGTCTAGTCTTCAGTTCACAGGG CTTTAAGATCCTCAAATGTCCCCTGGGAGGGGGTCAGGTCACAGCGCAGGGAGGA AGCTAGTCCTCTCAAGGCCTGTCTGGAATCTGTTTATCAGGTTCCACTCCGCTGCC CGAGATCGCTTCTTCCGTTACTCAGTGCCCGGGGGAGGGACCTGGCGCACTATCC AATCAGGGCCGCGGGGCGGGGTCGTGAGAACTGTCAATCAGGCGCACTGACCGG AGGAGGGTGCAAGGTTCAAAGAAAAGAAAGTTGACAGACAATCCGTAGGCTCTC CGACGCCGGCATCTCCACC
GACAGAAACCGCTAATGATGGGCCTGAAACTCTACTTTGGAGTGGCTGTGGTTTC CTCTTCCAGCCTGTGGGTTTGCAAGAGAAGCTGGGTTTGCAACTGAGTTTGAATGG GAAAGAGATTTTGCTCAGGGCTGCAGACTGCGTGCATGGATTCTGCTTTCTGTTTT CAAAGCTCAAAGACTGTCCTTTCTAATCATTGCCATGGTGCAGTGTTGGAGTCTTT TTATGCTTCCTCCTGGTGTTGTTTTGTTGCAAGGGCAGCATTGTGGGGCTGTGGTTT GAATTGCTTTTTTGTGTCTCTTGAATACACGAAGTTCCTCCTATAGTCATTGGCTCT GCTGCCTCTGATGAGGCACTTCCGTGTTCCCCACATTTGAATTTGCTCCCGATTCG AGAGAGGCAGGCATCCGCGGCAGCAGCTTCCAACCCAGACAGGCTTAAGCCGCG CGAGGGTGCCCGGGTGGAAAGAAAGTTGACAGACAATCCGTAGGCACTTCAACA GCGGCGGCGCCGGC

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AGGAGTAAGACAAGGAAGTGATAAAAACTGATGTGTGTTATTGATTTCAGCCAAC TATTGCTGACAGTTCAAAGTCTGCAGTGTAGTTACCGGAATCCCACCTCAAGCTCA CGTGATGATGTTTCTGTTTCTCTGCCACAAAGCTTTCTTTAAAGCTCAGTTAACAA CACAGCCTGAAATTTCAGAGGTGTTAAGAACTCTAGGCAACCCTCAACCAGTGGG AGAAGGCATCCTGTGGCTGAGTCCACACAGTCAAAGGCTTGTGAGAATCTGGTGG ATGCTGGACCTTGCTGCTGCTGCTACTGCTGTTTCCAGGGGCTGCAGAGCATGGAC TGTTAAATCTTGCACTTCTTCTGAGTGAGGTAATTAGTTTGCTTTATATACAATAGT TAGATGTTTTTATAGCTCATTGTGGTTTTCCCCTCTCTCTTACCTCCTACAAGTTTG TATTCATGAGCAATTATAAAGAAAGTTGACAGACAATCCGTAGGCACTGCGGCTT CAGCGCCCGCGAC
GTGAGGCTTGGCTGGAAGAGAGGAAGTTGACAAACACTTTCAATATGCCTAATCT CCACCAATATTTGGAAATCAGCTCTAAGATAAGACCATTGCTTGGTGATTCTGTCT GCTGGGAACTAACAAAGCAACTGTTCAATAAACCATGTGATCTGGGCATGAAATA CAAAATGCCCAAGTCATGACAGTTTTCAGTGTTCCTACAGTAGACTAGGCAGTGT GAATGAGGATCCTTGCTAACCTCCAGCTGTGCCCCTTAGCAAGCCGACTTCCAGAT CTACTCGGAGTACTGCAATAACCACCCCAACGCCTGCGTGGAGCTCTCCCGGCTC ACCAAGCTCAGCAAGTACGTGTACTTCTTCGAGGCCTGCCGGCTGCTGCAGAAGA TGATTGACATCTCCCTGGATGGCTTCCTGCTGACTCCGGTGCAGAAGATCTGCAAG TACCCTCTGCAGCTGGCCGAGAAAGAAAGTTGACAGACAATCCGTAGGCCTCCTT CTCCGTCAACATCGCCG
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GAAACTCAGTGGGTGACAGGATGCCCACACCTCTTGGAGGAGGACAGAAAGGTTT GTGGGCTGGTGTCAGATACAAGCTTGGCACCATCTTTGATTAGGAGCTAATGTTAG CAGAAAGATCAAGTGTCAGTCATGACCAGAGTTGTTTTCTACTATCTTGAGAAGGT CACCGGATTGCTGCCCCTTCGTTTTTGAAACCTGATCTGGGGACCACAAACAGCCA CAATGAATCCTGAACAGTGTCAGACCTAGGAGGTGCCCCACTACCACCCTGTCTTT

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GCCTGCGTGGAAGGATCTAAGATGGCCTTATTTCCTTCCTTAGCCACTCAGAAGGT TGGGTGGCTTTGTGGTCTGGGGTTTAAGGGAGGAGTTGTACAACTCTAAGAGGTG GTCAAAGTAAGGGAAACTCATTATGAGCTCTGTAGATTCTTTCTTCCACTAACTTG ACCTTACTCCATAATACTAAGAGACTTCCCTCGCCTGGTCTTTCTGTTTTCAGATGA GCTACCTCCTTGCTCCACATCAGTCACAAATGAGGCCCTGAATAGACTTGGGACCT CTACCTGCCTGCGCAGATGGGAGGAGTCTGTGGTGTTTTGTATAAACAACCCTCCC TCTGAGACACACACACATACACATACACATGCACACACACACTCATATACACATG CAGAAGCTGTGACACGTGCGGAAGCTGTGGTAAGTGCATCCTCCTTCAGTCTCAG TTCTGAAAATAGATCATCAAAGAAAGTTGACAGACAATCCGTAGGCCGGCTACTT CAACCGCCCCCACT
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ACCCCCAACCCAGTCCTCCTAGGATTGTTTGCTTTGTGAAACATTAAAAGTGATTT CAGCCACTCATTCTGTGAAAAAGAAAACTTGCAGTAGGAGTATCTGAAGAACATG AATTAGTCTTGGCAGAGCTGTGTGGGCGGTGTCTTGTGGGCAGCACTGCTGAGGT GACAGCAAGGGGAGGAGGATGGATTGGAGCCTTATATACAGCAAGCGAAAGGGA TTCAGAGTCTTCCTCACAGGTGGGCACTGAAGGACCAGCGGGATCTACCTGGGTA CCAAAAAGGTAACCCGGCCAAGTTTCCAGATGAGGTAGACAAGGTTTCTTCCTCA GCCAGGGCCTCGCCTGGTAGTTTGAACAATTCTAGTAGAGAGAAAGGATGGACAA CAAGGGGAGAGGAGAGGAGAAGCCAGCCTGACCAAGGATGCTGTTACCTTCCAG AGCAGTCTCCCTGTCCAGATCACCAAAAGAAAGTTGACAGACAATCCGTAGGCCC CCCTCCGTCAACCTCGTCAGC
CCATTCTACCCCAGCCCACACATACGGCCTTGTGGAAACTCCCTGTGGCTTGCTGA TTAAAGAAGAAAATGTTCAAGACTAGTTTCCAGATGACTCTTCCCTGGTCTAAGG ACACTAGCACAATTAGGACTATTGTTGCAACTTTCACCCGCTTAGGGGCGGCCTTG AAAGACAATTGAGAAGGAAAATCTTCCCAGGGGCAGAACTCTAAGCAGTACATCT CATGATCCTCCTAGCCATCTTGCTATTCCTTTCTTCACGTGCAAAACTTGTTGGAGG CCAGGGAGAGATTCTCTGTCCATTTCCTCTTGCTGGGTGAAGTGTCCCACAAGGCA GAGTGCACAAGCATGCGTGACCTCTTGGAGGAGACTAGAAAGGAGGCATAAGCT ACGATGATGTCACTGACATTAATTGTTGGGCTCTTGTTTTTAAAGGAACATGGCAA CCCGTGTGTGTCTCATCCCAAAGAAAGTTGACAGACAATCCGTAGGCTCCCTCCGC AACGTCAACTACCT

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TGACCATTTTCTGCTGCTGCAATCCGGATGCCTCCAAATCTCAAGTGACACTCAGT TTCTTAGGTTTTTTCCTTCCTCAAAAATGAAACCTCTCTGGGCATCCCCTTACAACC TTCTCTTTAGCTTTGAGTTGAGTTTCTTTCCTGTATTCTAATTAAAGTGACCATAGT GTTAGGTTTTTCCATTTCTCTAGAAGATTGGCTTTTTGGTAGTAGTGTTTTCTGGAT CTCTCCTCCGCCACCGGCCCTGCTCGGCCGCCATCGCTGTGAGGCGGCTGCCCGCG

Sequence
ACAGCTCCTCCTCCGCCTGCCAAATCTCGCGATGGCAGCCGCACAGTTGCGGACC AGTGGCCTGCTGCTACCAAATCTCGCGAAACTCGTTTTCCCTCCCGGGAAGTTGCC AGAACTAACTCTGGGCAGCATGGCGTCTTTCCGGCTTCTCCAAACCCTTGCGAAAA ACTTTATTGGCAAAAAAGAAAGTTGACAGACAATCCGTAGGCTGCCACACCATCG ACTGCTTCGA
GTACTAAGTGTGACCTCAGGCATGTTGCTTTCCTTCCCTGGACTGCTTTCAAGAGA ATAAAAAATGTACTTAACATGATCAGCACGGGGCCTGGCTCATTGCAGATACTGT GCAAAGGTGATTCAACTAAGACATGAACACTAAAAAGGAGACACTCTTAACTCAT GCACCACTAAGAACTTGCAGAGGACTCATCCCTGTGGTTAGAGCTTTGGAGAGTA AGGAAATGATCCTCCGCGCCACAGTTGGGTCTTCCGGGTTTCTGTCTCAACTATGC ACGCCCCTCCCCCGTGCGCGCCCCTCACCTGGCCTCCCAGCTACCCGAAGTGACA GGTGGACGGAGGGAGGAGTGGCCAGTGGAGGCATCAGTTGCCGGAAGCTGTCAC CTTTGATCTCGGAAGTTCCCCCTTGCTGCTGGAAACGCAGTTCCGGTTAGGCGGCT GAGTTTGTTTACGTTGCTAACAAAAGAAAGTTGACAGACAATCCGTAGGCCGCGA CTACAGCACCGTCCGCAC
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TGCTGCCACACAAGCCCCTGTGCCCTCCCATCTTTAGTGAGAGCCTCCTTTGTACC AGGCACCAGGCTTTAGCAATGACTAACATGTGGTCTTCACCTTCTTAGAGCTGTGT TCATTTTTGTGTGGTGTCATTTGCCTTGTGGTCAGCTTTGCTAAAACTGATCAAACT CCAAGCTGTCTTCCAGGCCCACTCTTATGTTTTCTGTTGATTCTCTGACTTGAGCTT AGAGTCCTAATATTTCTGTTTGTTGGCAAAACCCTTTTGGGTTGTTCATCACCTTTT ATGTCATTATAGATGTAAACAACATGTGTGCTCCAGATGGACTCTGAAATCCAGG CTCCCACTTTATGACACACTCCTCTACAACACCAGAGACTCCCAAACACAAGGCC TTATATTGACTCATTTCAGCTCACATCCTGGCGACTCTCAAGAGAGAAACCTCAGA GTGACTAAAATCTCCAAAGAAAGTTGACAGACAATCCGTAGGCTCTCCAGCAACC ACTGCGACTGC
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Table 19. Exemplary Concatemer Sequences

SEQ ID NO:	Sequence Type	Sequence
5146	DNA; Synthetic Construct	AATGAGTCATtgccgctAATGAGTCATtgctttAATGAGTCATtgatctAATGAGTC ATtacgctAATGAGTCATtgccgctAATGAGTCATtgctttAATGAGTCATtgatct AATGAGTCATtacgctAATGAGTCAT
5147	DNA; Synthetic Construct	ATGACTCATTtgccgctATGACTCATTtgctttATGACTCATTtgatctATGACTCA TTtacgctATGACTCATTtgccgctATGACTCATTtgctttATGACTCATTtgatct ATGACTCATTtacgctATGACTCATT
5148	DNA; Synthetic Construct	AATGACTCATtgccgctAATGACTCATtgctttAATGACTCATtgatctAATGACTC ATtacgctAATGACTCATtgccgctAATGACTCATtgctttAATGACTCATtgatct AATGACTCATtacgctAATGACTCAT
5149	DNA; Synthetic Construct	ATGAGTCATTtgccgctATGAGTCATTtgctttATGAGTCATTtgatctATGAGTCA TTtacgctATGAGTCATTtgccgctATGAGTCATTtgctttATGAGTCATTtgatct ATGAGTCATTtacgctATGAGTCATT
5150	DNA; Synthetic Construct	GATGAGTCATtgccgctGATGAGTCATtgctttGATGAGTCATtgatctGATGAGTC ATtacgctGATGAGTCATtgccgctGATGAGTCATtgctttGATGAGTCATtgatct GATGAGTCATtacgctGATGAGTCAT
5151	DNA; Synthetic Construct	ATGACTCATCtgccgctATGACTCATCtgctttATGACTCATCtgatctATGACTCA TCtacgctATGACTCATCtgccgctATGACTCATCtgctttATGACTCATCtgatct ATGACTCATCtacgctATGACTCATC
5152	DNA; Synthetic Construct	GATGACTCATtgccgctGATGACTCATtgctttGATGACTCATtgatctGATGACTC ATtacgctGATGACTCATtgccgctGATGACTCATtgctttGATGACTCATtgatct GATGACTCATtacgctGATGACTCAT
5153	DNA; Synthetic Construct	ATGAGTCATCtgccgctATGAGTCATCtgctttATGAGTCATCtgatctATGAGTCA TCtacgctATGAGTCATCtgccgctATGAGTCATCtgctttATGAGTCATCtgatct ATGAGTCATCtacgctATGAGTCATC
5154	DNA; Synthetic Construct	TGAGTCATAGGTAAATTtacgctTGAGTCATAGGTAAATTtgccgctTGAGTCATAG GTAAATTtgctttTGAGTCATAGGTAAATTtgatctTGAGTCATAGGTAAATTtacg ctTGAGTCATAGGTAAATT
5155	DNA; Synthetic Construct	AATTTACCTATGACTCAtacgctAATTTACCTATGACTCAtgccgctAATTTACCTA TGACTCAtgctttAATTTACCTATGACTCAtgatctAATTTACCTATGACTCAtacg ctAATTTACCTATGACTCA

5156	DNA; Synthetic Construct	TGAGTCATAGGTAGATTtacgctTGAGTCATAGGTAGATTtgccgctTGAGTCATAG GTAGATTtgctttTGAGTCATAGGTAGATTtgatctTGAGTCATAGGTAGATTtacg ctTGAGTCATAGGTAGATT
5157	DNA; Synthetic Construct	AATCTACCTATGACTCAtacgctAATCTACCTATGACTCAtgccgctAATCTACCTA TGACTCAtgctttAATCTACCTATGACTCAtgatctAATCTACCTATGACTCAtacg ctAATCTACCTATGACTCA
5158	DNA; Synthetic Construct	TGAGTCATAGGTGAATTtacgctTGAGTCATAGGTGAATTtgccgctTGAGTCATAG GTGAATTtgctttTGAGTCATAGGTGAATTtgatctTGAGTCATAGGTGAATTtacg ctTGAGTCATAGGTGAATT
5159	DNA; Synthetic Construct	AATTCACCTATGACTCAtacgctAATTCACCTATGACTCAtgccgctAATTCACCTA TGACTCAtgctttAATTCACCTATGACTCAtgatctAATTCACCTATGACTCAtacg ctAATTCACCTATGACTCA
5160	DNA; Synthetic Construct	TGAGTCATAGGTGGATTtacgctTGAGTCATAGGTGGATTtgccgctTGAGTCATAG GTGGATTtgctttTGAGTCATAGGTGGATTtgatctTGAGTCATAGGTGGATTtacg ctTGAGTCATAGGTGGATT
5161	DNA; Synthetic Construct	AATCCACCTATGACTCAtacgctAATCCACCTATGACTCAtgccgctAATCCACCTA TGACTCAtgctttAATCCACCTATGACTCAtgatctAATCCACCTATGACTCAtacg ctAATCCACCTATGACTCA
5162	DNA; Synthetic Construct	TGAGTCATTGGTAAATTtacgctTGAGTCATTGGTAAATTtgccgctTGAGTCATTG GTAAATTtgctttTGAGTCATTGGTAAATTtgatctTGAGTCATTGGTAAATTtacg ctTGAGTCATTGGTAAATT
5163	DNA; Synthetic Construct	AATTTACCAATGACTCAtacgctAATTTACCAATGACTCAtgccgctAATTTACCAA TGACTCAtgctttAATTTACCAATGACTCAtgatctAATTTACCAATGACTCAtacg ctAATTTACCAATGACTCA
5164	DNA; Synthetic Construct	TGAGTCATTGGTAGATTtacgctTGAGTCATTGGTAGATTtgccgctTGAGTCATTG GTAGATTtgctttTGAGTCATTGGTAGATTtgatctTGAGTCATTGGTAGATTtacg ctTGAGTCATTGGTAGATT
5165	DNA; Synthetic Construct	AATCTACCAATGACTCAtacgctAATCTACCAATGACTCAtgccgctAATCTACCAA TGACTCAtgctttAATCTACCAATGACTCAtgatctAATCTACCAATGACTCAtacg ctAATCTACCAATGACTCA
5166	DNA; Synthetic Construct	TGAGTCATTGGTGAATTtacgctTGAGTCATTGGTGAATTtgccgctTGAGTCATTG GTGAATTtgctttTGAGTCATTGGTGAATTtgatctTGAGTCATTGGTGAATTtacg ctTGAGTCATTGGTGAATT
5167	DNA; Synthetic Construct	AATTCACCAATGACTCAtacgctAATTCACCAATGACTCAtgccgctAATTCACCAA TGACTCAtgctttAATTCACCAATGACTCAtgatctAATTCACCAATGACTCAtacg ctAATTCACCAATGACTCA
5168	DNA; Synthetic Construct	TGAGTCATTGGTGGATTtacgctTGAGTCATTGGTGGATTtgccgctTGAGTCATTG GTGGATTtgctttTGAGTCATTGGTGGATTtgatctTGAGTCATTGGTGGATTtacg ctTGAGTCATTGGTGGATT
5169	DNA; Synthetic Construct	AATCCACCAATGACTCAtacgctAATCCACCAATGACTCAtgccgctAATCCACCAA TGACTCAtgctttAATCCACCAATGACTCAtgatctAATCCACCAATGACTCAtacg ctAATCCACCAATGACTCA
5170	DNA; Synthetic Construct	TGACTCATAGGTAAATTtacgctTGACTCATAGGTAAATTtgccgctTGACTCATAG GTAAATTtgctttTGACTCATAGGTAAATTtgatctTGACTCATAGGTAAATTtacg ctTGACTCATAGGTAAATT
5171	DNA; Synthetic Construct	AATTTACCTATGAGTCAtacgctAATTTACCTATGAGTCAtgccgctAATTTACCTA TGAGTCAtgctttAATTTACCTATGAGTCAtgatctAATTTACCTATGAGTCAtacg ctAATTTACCTATGAGTCA
5172	DNA; Synthetic Construct	TGACTCATAGGTAGATTtacgctTGACTCATAGGTAGATTtgccgctTGACTCATAG GTAGATTtgctttTGACTCATAGGTAGATTtgatctTGACTCATAGGTAGATTtacg ctTGACTCATAGGTAGATT
5173	DNA; Synthetic Construct	AATCTACCTATGAGTCAtacgctAATCTACCTATGAGTCAtgccgctAATCTACCTA TGAGTCAtgctttAATCTACCTATGAGTCAtgatctAATCTACCTATGAGTCAtacg ctAATCTACCTATGAGTCA

5174	DNA; Synthetic Construct	TGACTCATAGGTGAATTtacgctTGACTCATAGGTGAATTtgccgctTGACTCATAG GTGAATTtgctttTGACTCATAGGTGAATTtgatctTGACTCATAGGTGAATTtacg ctTGACTCATAGGTGAATT
5175	DNA; Synthetic Construct	AATTCACCTATGAGTCAtacgctAATTCACCTATGAGTCAtgccgctAATTCACCTA TGAGTCAtgctttAATTCACCTATGAGTCAtgatctAATTCACCTATGAGTCAtacg ctAATTCACCTATGAGTCA
5176	DNA; Synthetic Construct	TGACTCATAGGTGGATTtacgctTGACTCATAGGTGGATTtgccgctTGACTCATAG GTGGATTtgctttTGACTCATAGGTGGATTtgatctTGACTCATAGGTGGATTtacg ctTGACTCATAGGTGGATT
5177	DNA; Synthetic Construct	AATCCACCTATGAGTCAtacgctAATCCACCTATGAGTCAtgccgctAATCCACCTA TGAGTCAtgctttAATCCACCTATGAGTCAtgatctAATCCACCTATGAGTCAtacg ctAATCCACCTATGAGTCA
5178	DNA; Synthetic Construct	TGACTCATTGGTAAATTtacgctTGACTCATTGGTAAATTtgccgctTGACTCATTG GTAAATTtgctttTGACTCATTGGTAAATTtgatctTGACTCATTGGTAAATTtacg ctTGACTCATTGGTAAATT
5179	DNA; Synthetic Construct	AATTTACCAATGAGTCAtacgctAATTTACCAATGAGTCAtgccgctAATTTACCAA TGAGTCAtgctttAATTTACCAATGAGTCAtgatctAATTTACCAATGAGTCAtacg ctAATTTACCAATGAGTCA
5180	DNA; Synthetic Construct	TGACTCATTGGTAGATTtacgctTGACTCATTGGTAGATTtgccgctTGACTCATTG GTAGATTtgctttTGACTCATTGGTAGATTtgatctTGACTCATTGGTAGATTtacg ctTGACTCATTGGTAGATT
5181	DNA; Synthetic Construct	AATCTACCAATGAGTCAtacgctAATCTACCAATGAGTCAtgccgctAATCTACCAA TGAGTCAtgctttAATCTACCAATGAGTCAtgatctAATCTACCAATGAGTCAtacg ctAATCTACCAATGAGTCA
5182	DNA; Synthetic Construct	TGACTCATTGGTGAATTtacgctTGACTCATTGGTGAATTtgccgctTGACTCATTG GTGAATTtgctttTGACTCATTGGTGAATTtgatctTGACTCATTGGTGAATTtacg ctTGACTCATTGGTGAATT
5183	DNA; Synthetic Construct	AATTCACCAATGAGTCAtacgctAATTCACCAATGAGTCAtgccgctAATTCACCAA TGAGTCAtgctttAATTCACCAATGAGTCAtgatctAATTCACCAATGAGTCAtacg ctAATTCACCAATGAGTCA
5184	DNA; Synthetic Construct	TGACTCATTGGTGGATTtacgctTGACTCATTGGTGGATTtgccgctTGACTCATTG GTGGATTtgctttTGACTCATTGGTGGATTtgatctTGACTCATTGGTGGATTtacg ctTGACTCATTGGTGGATT
5185	DNA; Synthetic Construct	AATCCACCAATGAGTCAtacgctAATCCACCAATGAGTCAtgccgctAATCCACCAA TGAGTCAtgctttAATCCACCAATGAGTCAtgatctAATCCACCAATGAGTCAtacg ctAATCCACCAATGAGTCA
5186	DNA; Synthetic Construct	TGAGTCATATCCAAAtgatctTGAGTCATATCCAAAtacgctTGAGTCATATCCAAA tgccgctTGAGTCATATCCAAAtgctttTGAGTCATATCCAAAtgatctTGAGTCAT ATCCAAAtacgctTGAGTCATATCCAAA
5187	DNA; Synthetic Construct	TTTGGATATGACTCAtgatctTTTGGATATGACTCAtacgctTTTGGATATGACTCA tgccgctTTTGGATATGACTCAtgctttTTTGGATATGACTCAtgatctTTTGGATA TGACTCAtacgctTTTGGATATGACTCA
5188	DNA; Synthetic Construct	TGAGTCATATCCAGAtgatctTGAGTCATATCCAGAtacgctTGAGTCATATCCAGA tgccgctTGAGTCATATCCAGAtgctttTGAGTCATATCCAGAtgatctTGAGTCAT ATCCAGAtacgctTGAGTCATATCCAGA
5189	DNA; Synthetic Construct	TCTGGATATGACTCAtgatctTCTGGATATGACTCAtacgctTCTGGATATGACTCA tgccgctTCTGGATATGACTCAtgctttTCTGGATATGACTCAtgatctTCTGGATA TGACTCAtacgctTCTGGATATGACTCA
5190	DNA; Synthetic Construct	TGAGTCATATCCGAAtgatctTGAGTCATATCCGAAtacgctTGAGTCATATCCGAA tgccgctTGAGTCATATCCGAAtgctttTGAGTCATATCCGAAtgatctTGAGTCAT ATCCGAAtacgctTGAGTCATATCCGAA
5191	DNA; Synthetic Construct	TTCGGATATGACTCAtgatctTTCGGATATGACTCAtacgctTTCGGATATGACTCA tgccgctTTCGGATATGACTCAtgctttTTCGGATATGACTCAtgatctTTCGGATA TGACTCAtacgctTTCGGATATGACTCA

5192	DNA; Synthetic Construct	TGAGTCATATCCGGAtgatctTGAGTCATATCCGGAtacgctTGAGTCATATCCGGA tgccgctTGAGTCATATCCGGAtgctttTGAGTCATATCCGGAtgatctTGAGTCAT ATCCGGAtacgctTGAGTCATATCCGGA
5193	DNA; Synthetic Construct	TCCGGATATGACTCAtgatctTCCGGATATGACTCAtacgctTCCGGATATGACTCA tgccgctTCCGGATATGACTCAtgctttTCCGGATATGACTCAtgatctTCCGGATA TGACTCAtacgctTCCGGATATGACTCA
5194	DNA; Synthetic Construct	TGAGTCATATTCAAAtgatctTGAGTCATATTCAAAtacgctTGAGTCATATTCAAA tgccgctTGAGTCATATTCAAAtgctttTGAGTCATATTCAAAtgatctTGAGTCAT ATTCAAAtacgctTGAGTCATATTCAAA
5195	DNA; Synthetic Construct	TTTGAATATGACTCAtgatctTTTGAATATGACTCAtacgctTTTGAATATGACTCA tgccgctTTTGAATATGACTCAtgctttTTTGAATATGACTCAtgatctTTTGAATA TGACTCAtacgctTTTGAATATGACTCA
5196	DNA; Synthetic Construct	TGAGTCATATTCAGAtgatctTGAGTCATATTCAGAtacgctTGAGTCATATTCAGA tgccgctTGAGTCATATTCAGAtgctttTGAGTCATATTCAGAtgatctTGAGTCAT ATTCAGAtacgctTGAGTCATATTCAGA
5197	DNA; Synthetic Construct	TCTGAATATGACTCAtgatctTCTGAATATGACTCAtacgctTCTGAATATGACTCA tgccgctTCTGAATATGACTCAtgctttTCTGAATATGACTCAtgatctTCTGAATA TGACTCAtacgctTCTGAATATGACTCA
5198	DNA; Synthetic Construct	TGAGTCATATTCGAAtgatctTGAGTCATATTCGAAtacgctTGAGTCATATTCGAA tgccgctTGAGTCATATTCGAAtgctttTGAGTCATATTCGAAtgatctTGAGTCAT ATTCGAAtacgctTGAGTCATATTCGAA
5199	DNA; Synthetic Construct	TTCGAATATGACTCAtgatctTTCGAATATGACTCAtacgctTTCGAATATGACTCA tgccgctTTCGAATATGACTCAtgctttTTCGAATATGACTCAtgatctTTCGAATA TGACTCAtacgctTTCGAATATGACTCA
5200	DNA; Synthetic Construct	TGAGTCATATTCGGAtgatctTGAGTCATATTCGGAtacgctTGAGTCATATTCGGA tgccgctTGAGTCATATTCGGAtgctttTGAGTCATATTCGGAtgatctTGAGTCAT ATTCGGAtacgctTGAGTCATATTCGGA
5201	DNA; Synthetic Construct	TCCGAATATGACTCAtgatctTCCGAATATGACTCAtacgctTCCGAATATGACTCA tgccgctTCCGAATATGACTCAtgctttTCCGAATATGACTCAtgatctTCCGAATA TGACTCAtacgctTCCGAATATGACTCA
5202	DNA; Synthetic Construct	TGAGTCATTTCCAAAtgatctTGAGTCATTTCCAAAtacgctTGAGTCATTTCCAAA tgccgctTGAGTCATTTCCAAAtgctttTGAGTCATTTCCAAAtgatctTGAGTCAT TTCCAAAtacgctTGAGTCATTTCCAAA
5203	DNA; Synthetic Construct	TTTGGAAATGACTCAtgatctTTTGGAAATGACTCAtacgctTTTGGAAATGACTCA tgccgctTTTGGAAATGACTCAtgctttTTTGGAAATGACTCAtgatctTTTGGAAA TGACTCAtacgctTTTGGAAATGACTCA
5204	DNA; Synthetic Construct	TGAGTCATTTCCAGAtgatctTGAGTCATTTCCAGAtacgctTGAGTCATTTCCAGA tgccgctTGAGTCATTTCCAGAtgctttTGAGTCATTTCCAGAtgatctTGAGTCAT TTCCAGAtacgctTGAGTCATTTCCAGA
5205	DNA; Synthetic Construct	TCTGGAAATGACTCAtgatctTCTGGAAATGACTCAtacgctTCTGGAAATGACTCA tgccgctTCTGGAAATGACTCAtgctttTCTGGAAATGACTCAtgatctTCTGGAAA TGACTCAtacgctTCTGGAAATGACTCA
5206	DNA; Synthetic Construct	TGAGTCATTTCCGAAtgatctTGAGTCATTTCCGAAtacgctTGAGTCATTTCCGAA tgccgctTGAGTCATTTCCGAAtgctttTGAGTCATTTCCGAAtgatctTGAGTCAT TTCCGAAtacgctTGAGTCATTTCCGAA
5207	DNA; Synthetic Construct	TTCGGAAATGACTCAtgatctTTCGGAAATGACTCAtacgctTTCGGAAATGACTCA tgccgctTTCGGAAATGACTCAtgctttTTCGGAAATGACTCAtgatctTTCGGAAA TGACTCAtacgctTTCGGAAATGACTCA
5208	DNA; Synthetic Construct	TGAGTCATTTCCGGAtgatctTGAGTCATTTCCGGAtacgctTGAGTCATTTCCGGA tgccgctTGAGTCATTTCCGGAtgctttTGAGTCATTTCCGGAtgatctTGAGTCAT TTCCGGAtacgctTGAGTCATTTCCGGA
5209	DNA; Synthetic Construct	TCCGGAAATGACTCAtgatctTCCGGAAATGACTCAtacgctTCCGGAAATGACTCA tgccgctTCCGGAAATGACTCAtgctttTCCGGAAATGACTCAtgatctTCCGGAAA TGACTCAtacgctTCCGGAAATGACTCA

5210	DNA; Synthetic Construct	TGAGTCATTTTCAAAtgatctTGAGTCATTTTCAAAtacgctTGAGTCATTTTCAAA tgccgctTGAGTCATTTTCAAAtgctttTGAGTCATTTTCAAAtgatctTGAGTCAT TTTCAAAtacgctTGAGTCATTTTCAAA
5211	DNA; Synthetic Construct	TTTGAAAATGACTCAtgatctTTTGAAAATGACTCAtacgctTTTGAAAATGACTCA tgccgctTTTGAAAATGACTCAtgctttTTTGAAAATGACTCAtgatctTTTGAAAA TGACTCAtacgctTTTGAAAATGACTCA
5212	DNA; Synthetic Construct	TGAGTCATTTTCAGAtgatctTGAGTCATTTTCAGAtacgctTGAGTCATTTTCAGA tgccgctTGAGTCATTTTCAGAtgctttTGAGTCATTTTCAGAtgatctTGAGTCAT TTTCAGAtacgctTGAGTCATTTTCAGA
5213	DNA; Synthetic Construct	TCTGAAAATGACTCAtgatctTCTGAAAATGACTCAtacgctTCTGAAAATGACTCA tgccgctTCTGAAAATGACTCAtgctttTCTGAAAATGACTCAtgatctTCTGAAAA TGACTCAtacgctTCTGAAAATGACTCA
5214	DNA; Synthetic Construct	TGAGTCATTTTCGAAtgatctTGAGTCATTTTCGAAtacgctTGAGTCATTTTCGAA tgccgctTGAGTCATTTTCGAAtgctttTGAGTCATTTTCGAAtgatctTGAGTCAT TTTCGAAtacgctTGAGTCATTTTCGAA
5215	DNA; Synthetic Construct	TTCGAAAATGACTCAtgatctTTCGAAAATGACTCAtacgctTTCGAAAATGACTCA tgccgctTTCGAAAATGACTCAtgctttTTCGAAAATGACTCAtgatctTTCGAAAA TGACTCAtacgctTTCGAAAATGACTCA
5216	DNA; Synthetic Construct	TGAGTCATTTTCGGAtgatctTGAGTCATTTTCGGAtacgctTGAGTCATTTTCGGA tgccgctTGAGTCATTTTCGGAtgctttTGAGTCATTTTCGGAtgatctTGAGTCAT TTTCGGAtacgctTGAGTCATTTTCGGA
5217	DNA; Synthetic Construct	TCCGAAAATGACTCAtgatctTCCGAAAATGACTCAtacgctTCCGAAAATGACTCA tgccgctTCCGAAAATGACTCAtgctttTCCGAAAATGACTCAtgatctTCCGAAAA TGACTCAtacgctTCCGAAAATGACTCA
5218	DNA; Synthetic Construct	TGACTCATATCCAAAtgatctTGACTCATATCCAAAtacgctTGACTCATATCCAAA tgccgctTGACTCATATCCAAAtgctttTGACTCATATCCAAAtgatctTGACTCAT ATCCAAAtacgctTGACTCATATCCAAA
5219	DNA; Synthetic Construct	TTTGGATATGAGTCAtgatctTTTGGATATGAGTCAtacgctTTTGGATATGAGTCA tgccgctTTTGGATATGAGTCAtgctttTTTGGATATGAGTCAtgatctTTTGGATA TGAGTCAtacgctTTTGGATATGAGTCA
5220	DNA; Synthetic Construct	TGACTCATATCCAGAtgatctTGACTCATATCCAGAtacgctTGACTCATATCCAGA tgccgctTGACTCATATCCAGAtgctttTGACTCATATCCAGAtgatctTGACTCAT ATCCAGAtacgctTGACTCATATCCAGA
5221	DNA; Synthetic Construct	TCTGGATATGAGTCAtgatctTCTGGATATGAGTCAtacgctTCTGGATATGAGTCA tgccgctTCTGGATATGAGTCAtgctttTCTGGATATGAGTCAtgatctTCTGGATA TGAGTCAtacgctTCTGGATATGAGTCA
5222	DNA; Synthetic Construct	TGACTCATATCCGAAtgatctTGACTCATATCCGAAtacgctTGACTCATATCCGAA tgccgctTGACTCATATCCGAAtgctttTGACTCATATCCGAAtgatctTGACTCAT ATCCGAAtacgctTGACTCATATCCGAA
5223	DNA; Synthetic Construct	TTCGGATATGAGTCAtgatctTTCGGATATGAGTCAtacgctTTCGGATATGAGTCA tgccgctTTCGGATATGAGTCAtgctttTTCGGATATGAGTCAtgatctTTCGGATA TGAGTCAtacgctTTCGGATATGAGTCA
5224	DNA; Synthetic Construct	TGACTCATATCCGGAtgatctTGACTCATATCCGGAtacgctTGACTCATATCCGGA tgccgctTGACTCATATCCGGAtgctttTGACTCATATCCGGAtgatctTGACTCAT ATCCGGAtacgctTGACTCATATCCGGA
5225	DNA; Synthetic Construct	TCCGGATATGAGTCAtgatctTCCGGATATGAGTCAtacgctTCCGGATATGAGTCA tgccgctTCCGGATATGAGTCAtgctttTCCGGATATGAGTCAtgatctTCCGGATA TGAGTCAtacgctTCCGGATATGAGTCA
5226	DNA; Synthetic Construct	TGACTCATATTCAAAtgatctTGACTCATATTCAAAtacgctTGACTCATATTCAAA tgccgctTGACTCATATTCAAAtgctttTGACTCATATTCAAAtgatctTGACTCAT ATTCAAAtacgctTGACTCATATTCAAA
5227	DNA; Synthetic Construct	TTTGAATATGAGTCAtgatctTTTGAATATGAGTCAtacgctTTTGAATATGAGTCA tgccgctTTTGAATATGAGTCAtgctttTTTGAATATGAGTCAtgatctTTTGAATA TGAGTCAtacgctTTTGAATATGAGTCA

5228	DNA; Synthetic Construct	TGACTCATATTCAGAtgatctTGACTCATATTCAGAtacgctTGACTCATATTCAGA tgccgctTGACTCATATTCAGAtgctttTGACTCATATTCAGAtgatctTGACTCAT ATTCAGAtacgctTGACTCATATTCAGA
5229	DNA; Synthetic Construct	TCTGAATATGAGTCAtgatctTCTGAATATGAGTCAtacgctTCTGAATATGAGTCA tgccgctTCTGAATATGAGTCAtgctttTCTGAATATGAGTCAtgatctTCTGAATA TGAGTCAtacgctTCTGAATATGAGTCA
5230	DNA; Synthetic Construct	TGACTCATATTCGAAtgatctTGACTCATATTCGAAtacgctTGACTCATATTCGAA tgccgctTGACTCATATTCGAAtgctttTGACTCATATTCGAAtgatctTGACTCAT ATTCGAAtacgctTGACTCATATTCGAA
5231	DNA; Synthetic Construct	TTCGAATATGAGTCAtgatctTTCGAATATGAGTCAtacgctTTCGAATATGAGTCA tgccgctTTCGAATATGAGTCAtgctttTTCGAATATGAGTCAtgatctTTCGAATA TGAGTCAtacgctTTCGAATATGAGTCA
5232	DNA; Synthetic Construct	TGACTCATATTCGGAtgatctTGACTCATATTCGGAtacgctTGACTCATATTCGGA tgccgctTGACTCATATTCGGAtgctttTGACTCATATTCGGAtgatctTGACTCAT ATTCGGAtacgctTGACTCATATTCGGA
5233	DNA; Synthetic Construct	TCCGAATATGAGTCAtgatctTCCGAATATGAGTCAtacgctTCCGAATATGAGTCA tgccgctTCCGAATATGAGTCAtgctttTCCGAATATGAGTCAtgatctTCCGAATA TGAGTCAtacgctTCCGAATATGAGTCA
5234	DNA; Synthetic Construct	TGACTCATTTCCAAAtgatctTGACTCATTTCCAAAtacgctTGACTCATTTCCAAA tgccgctTGACTCATTTCCAAAtgctttTGACTCATTTCCAAAtgatctTGACTCAT TTCCAAAtacgctTGACTCATTTCCAAA
5235	DNA; Synthetic Construct	TTTGGAAATGAGTCAtgatctTTTGGAAATGAGTCAtacgctTTTGGAAATGAGTCA tgccgctTTTGGAAATGAGTCAtgctttTTTGGAAATGAGTCAtgatctTTTGGAAA TGAGTCAtacgctTTTGGAAATGAGTCA
5236	DNA; Synthetic Construct	TGACTCATTTCCAGAtgatctTGACTCATTTCCAGAtacgctTGACTCATTTCCAGA tgccgctTGACTCATTTCCAGAtgctttTGACTCATTTCCAGAtgatctTGACTCAT TTCCAGAtacgctTGACTCATTTCCAGA
5237	DNA; Synthetic Construct	TCTGGAAATGAGTCAtgatctTCTGGAAATGAGTCAtacgctTCTGGAAATGAGTCA tgccgctTCTGGAAATGAGTCAtgctttTCTGGAAATGAGTCAtgatctTCTGGAAA TGAGTCAtacgctTCTGGAAATGAGTCA
5238	DNA; Synthetic Construct	TGACTCATTTCCGAAtgatctTGACTCATTTCCGAAtacgctTGACTCATTTCCGAA tgccgctTGACTCATTTCCGAAtgctttTGACTCATTTCCGAAtgatctTGACTCAT TTCCGAAtacgctTGACTCATTTCCGAA
5239	DNA; Synthetic Construct	TTCGGAAATGAGTCAtgatctTTCGGAAATGAGTCAtacgctTTCGGAAATGAGTCA tgccgctTTCGGAAATGAGTCAtgctttTTCGGAAATGAGTCAtgatctTTCGGAAA TGAGTCAtacgctTTCGGAAATGAGTCA
5240	DNA; Synthetic Construct	TGACTCATTTCCGGAtgatctTGACTCATTTCCGGAtacgctTGACTCATTTCCGGA tgccgctTGACTCATTTCCGGAtgctttTGACTCATTTCCGGAtgatctTGACTCAT TTCCGGAtacgctTGACTCATTTCCGGA
5241	DNA; Synthetic Construct	TCCGGAAATGAGTCAtgatctTCCGGAAATGAGTCAtacgctTCCGGAAATGAGTCA tgccgctTCCGGAAATGAGTCAtgctttTCCGGAAATGAGTCAtgatctTCCGGAAA TGAGTCAtacgctTCCGGAAATGAGTCA
5242	DNA; Synthetic Construct	TGACTCATTTTCAAAtgatctTGACTCATTTTCAAAtacgctTGACTCATTTTCAAA tgccgctTGACTCATTTTCAAAtgctttTGACTCATTTTCAAAtgatctTGACTCAT TTTCAAAtacgctTGACTCATTTTCAAA
5243	DNA; Synthetic Construct	TTTGAAAATGAGTCAtgatctTTTGAAAATGAGTCAtacgctTTTGAAAATGAGTCA tgccgctTTTGAAAATGAGTCAtgctttTTTGAAAATGAGTCAtgatctTTTGAAAA TGAGTCAtacgctTTTGAAAATGAGTCA
5244	DNA; Synthetic Construct	TGACTCATTTTCAGAtgatctTGACTCATTTTCAGAtacgctTGACTCATTTTCAGA tgccgctTGACTCATTTTCAGAtgctttTGACTCATTTTCAGAtgatctTGACTCAT TTTCAGAtacgctTGACTCATTTTCAGA
5245	DNA; Synthetic Construct	TCTGAAAATGAGTCAtgatctTCTGAAAATGAGTCAtacgctTCTGAAAATGAGTCA tgccgctTCTGAAAATGAGTCAtgctttTCTGAAAATGAGTCAtgatctTCTGAAAA TGAGTCAtacgctTCTGAAAATGAGTCA

5246	DNA; Synthetic Construct	TGACTCATTTTCGAAtgatctTGACTCATTTTCGAAtacgctTGACTCATTTTCGAA tgccgctTGACTCATTTTCGAAtgctttTGACTCATTTTCGAAtgatctTGACTCAT TTTCGAAtacgctTGACTCATTTTCGAA
5247	DNA; Synthetic Construct	TTCGAAAATGAGTCAtgatctTTCGAAAATGAGTCAtacgctTTCGAAAATGAGTCA tgccgctTTCGAAAATGAGTCAtgctttTTCGAAAATGAGTCAtgatctTTCGAAAA TGAGTCAtacgctTTCGAAAATGAGTCA
5248	DNA; Synthetic Construct	TGACTCATTTTCGGAtgatctTGACTCATTTTCGGAtacgctTGACTCATTTTCGGA tgccgctTGACTCATTTTCGGAtgctttTGACTCATTTTCGGAtgatctTGACTCAT TTTCGGAtacgctTGACTCATTTTCGGA
5249	DNA; Synthetic Construct	TCCGAAAATGAGTCAtgatctTCCGAAAATGAGTCAtacgctTCCGAAAATGAGTCA tgccgctTCCGAAAATGAGTCAtgctttTCCGAAAATGAGTCAtgatctTCCGAAAA TGAGTCAtacgctTCCGAAAATGAGTCA
5250	DNA; Synthetic Construct	GATGAGTCACtgccgctGATGAGTCACtgctttGATGAGTCACtgatctGATGAGTC ACtacgctGATGAGTCACtgccgctGATGAGTCACtgctttGATGAGTCACtgatct GATGAGTCACtacgctGATGAGTCAC
5251	DNA; Synthetic Construct	GTGACTCATCtgccgctGTGACTCATCtgctttGTGACTCATCtgatctGTGACTCA TCtacgctGTGACTCATCtgccgctGTGACTCATCtgctttGTGACTCATCtgatct GTGACTCATCtacgctGTGACTCATC
5252	DNA; Synthetic Construct	GATGAGTCATtgccgctGATGAGTCATtgctttGATGAGTCATtgatctGATGAGTC ATtacgctGATGAGTCATtgccgctGATGAGTCATtgctttGATGAGTCATtgatct GATGAGTCATtacgctGATGAGTCAT
5253	DNA; Synthetic Construct	ATGACTCATCtgccgctATGACTCATCtgctttATGACTCATCtgatctATGACTCA TCtacgctATGACTCATCtgccgctATGACTCATCtgctttATGACTCATCtgatct ATGACTCATCtacgctATGACTCATC
5254	DNA; Synthetic Construct	GATGACTCACtgccgctGATGACTCACtgctttGATGACTCACtgatctGATGACTC ACtacgctGATGACTCACtgccgctGATGACTCACtgctttGATGACTCACtgatct GATGACTCACtacgctGATGACTCAC
5255	DNA; Synthetic Construct	GTGAGTCATCtgccgctGTGAGTCATCtgctttGTGAGTCATCtgatctGTGAGTCA TCtacgctGTGAGTCATCtgccgctGTGAGTCATCtgctttGTGAGTCATCtgatct GTGAGTCATCtacgctGTGAGTCATC
5256	DNA; Synthetic Construct	GATGACTCATtgccgctGATGACTCATtgctttGATGACTCATtgatctGATGACTC ATtacgctGATGACTCATtgccgctGATGACTCATtgctttGATGACTCATtgatct GATGACTCATtacgctGATGACTCAT
5257	DNA; Synthetic Construct	ATGAGTCATCtgccgctATGAGTCATCtgctttATGAGTCATCtgatctATGAGTCA TCtacgctATGAGTCATCtgccgctATGAGTCATCtgctttATGAGTCATCtgatct ATGAGTCATCtacgctATGAGTCATC
5258	DNA; Synthetic Construct	AATGAGTCATtgccgctAATGAGTCATtgctttAATGAGTCATtgatctAATGAGTC ATtacgctAATGAGTCATtgccgctAATGAGTCATtgctttAATGAGTCATtgatct AATGAGTCATtacgctAATGAGTCAT
5259	DNA; Synthetic Construct	ATGACTCATTtgccgctATGACTCATTtgctttATGACTCATTtgatctATGACTCA TTtacgctATGACTCATTtgccgctATGACTCATTtgctttATGACTCATTtgatct ATGACTCATTtacgctATGACTCATT
5260	DNA; Synthetic Construct	AATGACTCATtgccgctAATGACTCATtgctttAATGACTCATtgatctAATGACTC ATtacgctAATGACTCATtgccgctAATGACTCATtgctttAATGACTCATtgatct AATGACTCATtacgctAATGACTCAT
5261	DNA; Synthetic Construct	ATGAGTCATTtgccgctATGAGTCATTtgctttATGAGTCATTtgatctATGAGTCA TTtacgctATGAGTCATTtgccgctATGAGTCATTtgctttATGAGTCATTtgatct ATGAGTCATTtacgctATGAGTCATT
5262	DNA; Synthetic Construct	GATGAGTCATtgccgctGATGAGTCATtgctttGATGAGTCATtgatctGATGAGTC ATtacgctGATGAGTCATtgccgctGATGAGTCATtgctttGATGAGTCATtgatct GATGAGTCATtacgctGATGAGTCAT
5263	DNA; Synthetic Construct	ATGACTCATCtgccgctATGACTCATCtgctttATGACTCATCtgatctATGACTCA TCtacgctATGACTCATCtgccgctATGACTCATCtgctttATGACTCATCtgatct ATGACTCATCtacgctATGACTCATC

5264	DNA; Synthetic Construct	GATGACTCATtgccgctGATGACTCATtgctttGATGACTCATtgatctGATGACTC ATtacgctGATGACTCATtgccgctGATGACTCATtgctttGATGACTCATtgatct GATGACTCATtacgctGATGACTCAT
5265	DNA; Synthetic Construct	ATGAGTCATCtgccgctATGAGTCATCtgctttATGAGTCATCtgatctATGAGTCA TCtacgctATGAGTCATCtgccgctATGAGTCATCtgctttATGAGTCATCtgatct ATGAGTCATCtacgctATGAGTCATC
5266	DNA; Synthetic Construct	TATGAGTCATtgccgcttATGAGTCATtgctttTATGAGTCATtgatctTATGAGTC ATtacgcttATGAGTCATtgccgcttATGAGTCATtgctttTATGAGTCATtgatct TATGAGTCATtacgcttATGAGTCAT
5267	DNA; Synthetic Construct	ATGACTCATAtgccgctATGACTCATAtgctttATGACTCATAtgatctATGACTCA TAtacgctATGACTCATAtgccgctATGACTCATAtgctttATGACTCATAtgatct ATGACTCATAtacgctATGACTCATA
5268	DNA; Synthetic Construct	TATGACTCATtgccgcttATGACTCATtgctttTATGACTCATtgatctTATGACTC ATtacgcttATGACTCATtgccgcttATGACTCATtgctttTATGACTCATtgatct TATGACTCATtacgcttATGACTCAT
5269	DNA; Synthetic Construct	ATGAGTCATAtgccgctATGAGTCATAtgctttATGAGTCATAtgatctATGAGTCA TAtacgctATGAGTCATAtgccgctATGAGTCATAtgctttATGAGTCATAtgatct ATGAGTCATAtacgctATGAGTCATA
5270	DNA; Synthetic Construct	AATGAGTCATAtgccgctAATGAGTCATAtgctttAATGAGTCATAtgatctAATGA GTCATAtacgctAATGAGTCATAtgccgctAATGAGTCATAtgctttAATGAGTCAT AtgatctAATGAGTCATAtacgctAATGAGTCATA
5271	DNA; Synthetic Construct	TATGACTCATTtgccgcttATGACTCATTtgctttTATGACTCATTtgatctTATGA CTCATTtacgcttATGACTCATTtgccgcttATGACTCATTtgctttTATGACTCAT TtgatctTATGACTCATTtacgcttATGACTCATT
5272	DNA; Synthetic Construct	AATGAGTCATCtgccgctAATGAGTCATCtgctttAATGAGTCATCtgatctAATGA GTCATCtacgctAATGAGTCATCtgccgctAATGAGTCATCtgctttAATGAGTCAT CtgatctAATGAGTCATCtacgctAATGAGTCATC
5273	DNA; Synthetic Construct	GATGACTCATTtgccgctGATGACTCATTtgctttGATGACTCATTtgatctGATGA CTCATTtacgctGATGACTCATTtgccgctGATGACTCATTtgctttGATGACTCAT TtgatctGATGACTCATTtacgctGATGACTCATT
5274	DNA; Synthetic Construct	AATGAGTCATTtgccgctAATGAGTCATTtgctttAATGAGTCATTtgatctAATGA GTCATTtacgctAATGAGTCATTtgccgctAATGAGTCATTtgctttAATGAGTCAT TtgatctAATGAGTCATTtacgctAATGAGTCATT
5275	DNA; Synthetic Construct	AATGACTCATTtgccgctAATGACTCATTtgctttAATGACTCATTtgatctAATGA CTCATTtacgctAATGACTCATTtgccgctAATGACTCATTtgctttAATGACTCAT TtgatctAATGACTCATTtacgctAATGACTCATT
5276	DNA; Synthetic Construct	AATGACTCATAtgccgctAATGACTCATAtgctttAATGACTCATAtgatctAATGA CTCATAtacgctAATGACTCATAtgccgctAATGACTCATAtgctttAATGACTCAT AtgatctAATGACTCATAtacgctAATGACTCATA
5277	DNA; Synthetic Construct	TATGAGTCATTtgccgctTATGAGTCATTtgctttTATGAGTCATTtgatctTATGA GTCATTtacgctTATGAGTCATTtgccgctTATGAGTCATTtgctttTATGAGTCAT TtgatctTATGAGTCATTtacgctTATGAGTCATT
5278	DNA; Synthetic Construct	AATGACTCATCtgccgctAATGACTCATCtgctttAATGACTCATCtgatctAATGA CTCATCtacgctAATGACTCATCtgccgctAATGACTCATCtgctttAATGACTCAT CtgatctAATGACTCATCtacgctAATGACTCATC
5279	DNA; Synthetic Construct	GATGAGTCATTtgccgctGATGAGTCATTtgctttGATGAGTCATTtgatctGATGA GTCATTtacgctGATGAGTCATTtgccgctGATGAGTCATTtgctttGATGAGTCAT TtgatctGATGAGTCATTtacgctGATGAGTCATT
5280	DNA; Synthetic Construct	AATGACTCATTtgccgctAATGACTCATTtgctttAATGACTCATTtgatctAATGA CTCATTtacgctAATGACTCATTtgccgctAATGACTCATTtgctttAATGACTCAT TtgatctAATGACTCATTtacgctAATGACTCATT
5281	DNA; Synthetic Construct	AATGAGTCATTtgccgctAATGAGTCATTtgctttAATGAGTCATTtgatctAATGA GTCATTtacgctAATGAGTCATTtgccgctAATGAGTCATTtgctttAATGAGTCAT TtgatctAATGAGTCATTtacgctAATGAGTCATT

5282	DNA; Synthetic Construct	GATGAGTCATAtgccgctGATGAGTCATAtgctttGATGAGTCATAtgatctGATGA GTCATAtacgctGATGAGTCATAtgccgctGATGAGTCATAtgctttGATGAGTCAT AtgatctGATGAGTCATAtacgctGATGAGTCATA
5283	DNA; Synthetic Construct	TATGACTCATCtgccgcttATGACTCATCtgctttTATGACTCATCtgatcttATGA CTCATCtacgcttATGACTCATCtgccgcttATGACTCATCtgctttTATGACTCAT CtgatctTATGACTCATCtacgcttATGACTCATC
5284	DNA; Synthetic Construct	GATGAGTCATCtgccgctGATGAGTCATCtgctttGATGAGTCATCtgatctGATGA GTCATCtacgctGATGAGTCATCtgccgctGATGAGTCATCtgctttGATGAGTCAT CtgatctGATGAGTCATCtacgctGATGAGTCATC
5285	DNA; Synthetic Construct	GATGACTCATCtgccgctGATGACTCATCtgctttGATGACTCATCtgatctGATGA CTCATCtacgctGATGACTCATCtgccgctGATGACTCATCtgctttGATGACTCAT CtgatctGATGACTCATCtacgctGATGACTCATC
5286	DNA; Synthetic Construct	GATGAGTCATTtgccgctGATGAGTCATTtgctttGATGAGTCATTtgatctGATGA GTCATTtacgctGATGAGTCATTtgccgctGATGAGTCATTtgctttGATGAGTCAT TtgatctGATGAGTCATTtacgctGATGAGTCATT
5287	DNA; Synthetic Construct	AATGACTCATCtgccgctAATGACTCATCtgctttAATGACTCATCtgatctAATGA CTCATCtacgctAATGACTCATCtgccgctAATGACTCATCtgctttAATGACTCAT CtgatctAATGACTCATCtacgctAATGACTCATC
5288	DNA; Synthetic Construct	GATGACTCATAtgccgctGATGACTCATAtgctttGATGACTCATAtgatctGATGA CTCATAtacgctGATGACTCATAtgccgctGATGACTCATAtgctttGATGACTCAT AtgatctGATGACTCATAtacgctGATGACTCATA
5289	DNA; Synthetic Construct	TATGAGTCATCtgccgcttATGAGTCATCtgctttTATGAGTCATCtgatcttATGA GTCATCtacgcttATGAGTCATCtgccgcttATGAGTCATCtgctttTATGAGTCAT CtgatctTATGAGTCATCtacgcttATGAGTCATC
5290	DNA; Synthetic Construct	GATGACTCATCtgccgctGATGACTCATCtgctttGATGACTCATCtgatctGATGA CTCATCtacgctGATGACTCATCtgccgctGATGACTCATCtgctttGATGACTCAT CtgatctGATGACTCATCtacgctGATGACTCATC
5291	DNA; Synthetic Construct	GATGAGTCATCtgccgctGATGAGTCATCtgctttGATGAGTCATCtgatctGATGA GTCATCtacgctGATGAGTCATCtgccgctGATGAGTCATCtgctttGATGAGTCAT CtgatctGATGAGTCATCtacgctGATGAGTCATC
5292	DNA; Synthetic Construct	GATGACTCATTtgccgctGATGACTCATTtgctttGATGACTCATTtgatctGATGA CTCATTtacgctGATGACTCATTtgccgctGATGACTCATTtgctttGATGACTCAT TtgatctGATGACTCATTtacgctGATGACTCATT
5293	DNA; Synthetic Construct	AATGAGTCATCtgccgctAATGAGTCATCtgctttAATGAGTCATCtgatctAATGA GTCATCtacgctAATGAGTCATCtgccgctAATGAGTCATCtgctttAATGAGTCAT CtgatctAATGAGTCATCtacgctAATGAGTCATC
5294	DNA; Synthetic Construct	TATGAGTCATAtgccgcttATGAGTCATAtgctttTATGAGTCATAtgatcttATGA GTCATAtacgcttATGAGTCATAtgccgcttATGAGTCATAtgctttTATGAGTCAT AtgatctTATGAGTCATAtacgcttATGAGTCATA
5295	DNA; Synthetic Construct	TATGACTCATAtgccgcttATGACTCATAtgctttTATGACTCATAtgatcttATGA CTCATAtacgcttATGACTCATAtgccgcttATGACTCATAtgctttTATGACTCAT AtgatctTATGACTCATAtacgcttATGACTCATA
5296	DNA; Synthetic Construct	TATGAGTCATCtgccgcttATGAGTCATCtgctttTATGAGTCATCtgatcttATGA GTCATCtacgcttATGAGTCATCtgccgcttATGAGTCATCtgctttTATGAGTCAT CtgatctTATGAGTCATCtacgcttATGAGTCATC
5297	DNA; Synthetic Construct	GATGACTCATAtgccgctGATGACTCATAtgctttGATGACTCATAtgatctGATGA CTCATAtacgctGATGACTCATAtgccgctGATGACTCATAtgctttGATGACTCAT AtgatctGATGACTCATAtacgctGATGACTCATA
5298	DNA; Synthetic Construct	TATGAGTCATTtgccgcttATGAGTCATTtgctttTATGAGTCATTtgatcttATGA GTCATTtacgcttATGAGTCATTtgccgcttATGAGTCATTtgctttTATGAGTCAT TtgatctTATGAGTCATTtacgcttATGAGTCATT
5299	DNA; Synthetic Construct	AATGACTCATAtgccgctAATGACTCATAtgctttAATGACTCATAtgatctAATGA CTCATAtacgctAATGACTCATAtgccgctAATGACTCATAtgctttAATGACTCAT AtgatctAATGACTCATAtacgctAATGACTCATA

5300	DNA; Synthetic Construct	TATGACTCATAtgccgcttATGACTCATAtgctttTATGACTCATAtgatcttATGA CTCATAtacgcttATGACTCATAtgccgcttATGACTCATAtgctttTATGACTCAT AtgatcttATGACTCATAtacgcttATGACTCATA
5301	DNA; Synthetic Construct	TATGAGTCATAtgccgcttATGAGTCATAtgctttTATGAGTCATAtgatcttATGA GTCATAtacgcttATGAGTCATAtgccgcttATGAGTCATAtgctttTATGAGTCAT AtgatcttATGAGTCATAtacgcttATGAGTCATA
5302	DNA; Synthetic Construct	TATGACTCATCtgccgcttATGACTCATCtgctttTATGACTCATCtgatcttATGA CTCATCtacgcttATGACTCATCtgccgcttATGACTCATCtgctttTATGACTCAT CtgatcttATGACTCATCtacgcttATGACTCATC
5303	DNA; Synthetic Construct	GATGAGTCATAtgccgctGATGAGTCATAtgctttGATGAGTCATAtgatctGATGA GTCATAtacgctGATGAGTCATAtgccgctGATGAGTCATAtgctttGATGAGTCAT AtgatctGATGAGTCATAtacgctGATGAGTCATA
5304	DNA; Synthetic Construct	TATGACTCATTtgccgcttATGACTCATTtgctttTATGACTCATTtgatcttATGA CTCATTtacgcttATGACTCATTtgccgcttATGACTCATTtgctttTATGACTCAT TtgatcttATGACTCATTtacgcttATGACTCATT
5305	DNA; Synthetic Construct	AATGAGTCATAtgccgctAATGAGTCATAtgctttAATGAGTCATAtgatctAATGA GTCATAtacgctAATGAGTCATAtgccgctAATGAGTCATAtgctttAATGAGTCAT AtgatctAATGAGTCATAtacgctAATGAGTCATA
5306	DNA; Synthetic Construct	ATGACTCACtacgctATGACTCACtgccgctATGACTCACtgctttATGACTCACtg atctATGACTCACtacgctATGACTCACtgccgctATGACTCACtgctttATGACTC ACtgatctATGACTCACtacgctATGACTCAC
5307	DNA; Synthetic Construct	GTGAGTCATtacgctGTGAGTCATtgccgctGTGAGTCATtgctttGTGAGTCATtg atctGTGAGTCATtacgctGTGAGTCATtgccgctGTGAGTCATtgctttGTGAGTC ATtgatctGTGAGTCATtacgctGTGAGTCAT
5308	DNA; Synthetic Construct	ATGACTCATtacgctATGACTCATtgccgctATGACTCATtgctttATGACTCATtg atctATGACTCATtacgctATGACTCATtgccgctATGACTCATtgctttATGACTC ATtgatctATGACTCATtacgctATGACTCAT
5309	DNA; Synthetic Construct	ATGAGTCATtacgctATGAGTCATtgccgctATGAGTCATtgctttATGAGTCATtg atctATGAGTCATtacgctATGAGTCATtgccgctATGAGTCATtgctttATGAGTC ATtgatctATGAGTCATtacgctATGAGTCAT
5310	DNA; Synthetic Construct	ATGAGTCATtacgctATGAGTCATtgccgctATGAGTCATtgctttATGAGTCATtg atctATGAGTCATtacgctATGAGTCATtgccgctATGAGTCATtgctttATGAGTC ATtgatctATGAGTCATtacgctATGAGTCAT
5311	DNA; Synthetic Construct	ATGACTCATtacgctATGACTCATtgccgctATGACTCATtgctttATGACTCATtg atctATGACTCATtacgctATGACTCATtgccgctATGACTCATtgctttATGACTC ATtgatctATGACTCATtacgctATGACTCAT
5312	DNA; Synthetic Construct	ATGACTCATtacgctATGACTCATtgccgctATGACTCATtgctttATGACTCATtg atctATGACTCATtacgctATGACTCATtgccgctATGACTCATtgctttATGACTC ATtgatctATGACTCATtacgctATGACTCAT
5313	DNA; Synthetic Construct	ATGAGTCATtacgctATGAGTCATtgccgctATGAGTCATtgctttATGAGTCATtg atctATGAGTCATtacgctATGAGTCATtgccgctATGAGTCATtgctttATGAGTC ATtgatctATGAGTCATtacgctATGAGTCAT
5314	DNA; Synthetic Construct	GTGAGTCATtacgctGTGAGTCATtgccgctGTGAGTCATtgctttGTGAGTCATtg atctGTGAGTCATtacgctGTGAGTCATtgccgctGTGAGTCATtgctttGTGAGTC ATtgatctGTGAGTCATtacgctGTGAGTCAT
5315	DNA; Synthetic Construct	ATGACTCACtacgctATGACTCACtgccgctATGACTCACtgctttATGACTCACtg atctATGACTCACtacgctATGACTCACtgccgctATGACTCACtgctttATGACTC ACtgatctATGACTCACtacgctATGACTCAC
5316	DNA; Synthetic Construct	GTGACTCATtacgctGTGACTCATtgccgctGTGACTCATtgctttGTGACTCATtg atctGTGACTCATtacgctGTGACTCATtgccgctGTGACTCATtgctttGTGACTC ATtgatctGTGACTCATtacgctGTGACTCAT
5317	DNA; Synthetic Construct	ATGAGTCACtacgctATGAGTCACtgccgctATGAGTCACtgctttATGAGTCACtg atctATGAGTCACtacgctATGAGTCACtgccgctATGAGTCACtgctttATGAGTC ACtgatctATGAGTCACtacgctATGAGTCAC

5318	DNA; Synthetic Construct	GGATGACTCATCtgctttGGATGACTCATCtgatctGGATGACTCATCtacgctGGA TGACTCATCtgccgctGGATGACTCATCtgctttGGATGACTCATCtgatctGGATG ACTCATCtacgctGGATGACTCATC
5319	DNA; Synthetic Construct	GATGAGTCATCCtgctttGATGAGTCATCCtgatctGATGAGTCATCCtacgctGAT GAGTCATCCtgccgctGATGAGTCATCCtgctttGATGAGTCATCCtgatctGATGA GTCATCCtacgctGATGAGTCATCC
5320	DNA; Synthetic Construct	AGACGAATTGACAGAtgatctAGACGAATTGACAGAtacgctAGACGAATTGACAGA tgccgctAGACGAATTGACAGAtgctttAGACGAATTGACAGAtgatctAGACGAAT TGACAGAtacgctAGACGAATTGACAGA
5321	DNA; Synthetic Construct	TCTGTCAATTCGTCTtgatctTCTGTCAATTCGTCTtacgctTCTGTCAATTCGTCT tgccgctTCTGTCAATTCGTCTtgctttTCTGTCAATTCGTCTtgatctTCTGTCAA TTCGTCTtacgctTCTGTCAATTCGTCT
5322	DNA; Synthetic Construct	AGACGAATTGACAGTtgatctAGACGAATTGACAGTtacgctAGACGAATTGACAGT tgccgctAGACGAATTGACAGTtgctttAGACGAATTGACAGTtgatctAGACGAAT TGACAGTtacgctAGACGAATTGACAGT
5323	DNA; Synthetic Construct	ACTGTCAATTCGTCTtgatctACTGTCAATTCGTCTtacgctACTGTCAATTCGTCT tgccgctACTGTCAATTCGTCTtgctttACTGTCAATTCGTCTtgatctACTGTCAA TTCGTCTtacgctACTGTCAATTCGTCT
5324	DNA; Synthetic Construct	AGACGAATTGACACAtgatctAGACGAATTGACACAtacgctAGACGAATTGACACA tgccgctAGACGAATTGACACAtgctttAGACGAATTGACACAtgatctAGACGAAT TGACACAtacgctAGACGAATTGACACA
5325	DNA; Synthetic Construct	TGTGTCAATTCGTCTtgatctTGTGTCAATTCGTCTtacgctTGTGTCAATTCGTCT tgccgctTGTGTCAATTCGTCTtgctttTGTGTCAATTCGTCTtgatctTGTGTCAA TTCGTCTtacgctTGTGTCAATTCGTCT
5326	DNA; Synthetic Construct	AGACGAATTGACACTtgatctAGACGAATTGACACTtacgctAGACGAATTGACACT tgccgctAGACGAATTGACACTtgctttAGACGAATTGACACTtgatctAGACGAAT TGACACTtacgctAGACGAATTGACACT
5327	DNA; Synthetic Construct	AGTGTCAATTCGTCTtgatctAGTGTCAATTCGTCTtacgctAGTGTCAATTCGTCT tgccgctAGTGTCAATTCGTCTtgctttAGTGTCAATTCGTCTtgatctAGTGTCAA TTCGTCTtacgctAGTGTCAATTCGTCT
5328	DNA; Synthetic Construct	AGACGAATTGACTGAtgatctAGACGAATTGACTGAtacgctAGACGAATTGACTGA tgccgctAGACGAATTGACTGAtgctttAGACGAATTGACTGAtgatctAGACGAAT TGACTGAtacgctAGACGAATTGACTGA
5329	DNA; Synthetic Construct	TCAGTCAATTCGTCTtgatctTCAGTCAATTCGTCTtacgctTCAGTCAATTCGTCT tgccgctTCAGTCAATTCGTCTtgctttTCAGTCAATTCGTCTtgatctTCAGTCAA TTCGTCTtacgctTCAGTCAATTCGTCT
5330	DNA; Synthetic Construct	AGACGAATTGACTGTtgatctAGACGAATTGACTGTtacgctAGACGAATTGACTGT tgccgctAGACGAATTGACTGTtgctttAGACGAATTGACTGTtgatctAGACGAAT TGACTGTtacgctAGACGAATTGACTGT
5331	DNA; Synthetic Construct	ACAGTCAATTCGTCTtgatctACAGTCAATTCGTCTtacgctACAGTCAATTCGTCT tgccgctACAGTCAATTCGTCTtgctttACAGTCAATTCGTCTtgatctACAGTCAA TTCGTCTtacgctACAGTCAATTCGTCT
5332	DNA; Synthetic Construct	AGACGAATTGACTCAtgatctAGACGAATTGACTCAtacgctAGACGAATTGACTCA tgccgctAGACGAATTGACTCAtgctttAGACGAATTGACTCAtgatctAGACGAAT TGACTCAtacgctAGACGAATTGACTCA
5333	DNA; Synthetic Construct	TGAGTCAATTCGTCTtgatctTGAGTCAATTCGTCTtacgctTGAGTCAATTCGTCT tgccgctTGAGTCAATTCGTCTtgctttTGAGTCAATTCGTCTtgatctTGAGTCAA TTCGTCTtacgctTGAGTCAATTCGTCT
5334	DNA; Synthetic Construct	AGACGAATTGACTCTtgatctAGACGAATTGACTCTtacgctAGACGAATTGACTCT tgccgctAGACGAATTGACTCTtgctttAGACGAATTGACTCTtgatctAGACGAAT TGACTCTtacgctAGACGAATTGACTCT
5335	DNA; Synthetic Construct	AGAGTCAATTCGTCTtgatctAGAGTCAATTCGTCTtacgctAGAGTCAATTCGTCT tgccgctAGAGTCAATTCGTCTtgctttAGAGTCAATTCGTCTtgatctAGAGTCAA TTCGTCTtacgctAGAGTCAATTCGTCT

5336	DNA; Synthetic Construct	TGACGAATTGACAGAtgatctTGACGAATTGACAGAtacgctTGACGAATTGACAGA tgccgctTGACGAATTGACAGAtgctttTGACGAATTGACAGAtgatctTGACGAAT TGACAGAtacgctTGACGAATTGACAGA
5337	DNA; Synthetic Construct	TCTGTCAATTCGTCAtgatctTCTGTCAATTCGTCAtacgctTCTGTCAATTCGTCA tgccgctTCTGTCAATTCGTCAtgctttTCTGTCAATTCGTCAtgatctTCTGTCAA TTCGTCAtacgctTCTGTCAATTCGTCA
5338	DNA; Synthetic Construct	TGACGAATTGACAGTtgatctTGACGAATTGACAGTtacgctTGACGAATTGACAGT tgccgctTGACGAATTGACAGTtgctttTGACGAATTGACAGTtgatctTGACGAAT TGACAGTtacgctTGACGAATTGACAGT
5339	DNA; Synthetic Construct	ACTGTCAATTCGTCAtgatctACTGTCAATTCGTCAtacgctACTGTCAATTCGTCA tgccgctACTGTCAATTCGTCAtgctttACTGTCAATTCGTCAtgatctACTGTCAA TTCGTCAtacgctACTGTCAATTCGTCA
5340	DNA; Synthetic Construct	TGACGAATTGACACAtgatctTGACGAATTGACACAtacgctTGACGAATTGACACA tgccgctTGACGAATTGACACAtgctttTGACGAATTGACACAtgatctTGACGAAT TGACACAtacgctTGACGAATTGACACA
5341	DNA; Synthetic Construct	TGTGTCAATTCGTCAtgatctTGTGTCAATTCGTCAtacgctTGTGTCAATTCGTCA tgccgctTGTGTCAATTCGTCAtgctttTGTGTCAATTCGTCAtgatctTGTGTCAA TTCGTCAtacgctTGTGTCAATTCGTCA
5342	DNA; Synthetic Construct	TGACGAATTGACACTtgatctTGACGAATTGACACTtacgctTGACGAATTGACACT tgccgctTGACGAATTGACACTtgctttTGACGAATTGACACTtgatctTGACGAAT TGACACTtacgctTGACGAATTGACACT
5343	DNA; Synthetic Construct	AGTGTCAATTCGTCAtgatctAGTGTCAATTCGTCAtacgctAGTGTCAATTCGTCA tgccgctAGTGTCAATTCGTCAtgctttAGTGTCAATTCGTCAtgatctAGTGTCAA TTCGTCAtacgctAGTGTCAATTCGTCA
5344	DNA; Synthetic Construct	TGACGAATTGACTGAtgatctTGACGAATTGACTGAtacgctTGACGAATTGACTGA tgccgctTGACGAATTGACTGAtgctttTGACGAATTGACTGAtgatctTGACGAAT TGACTGAtacgctTGACGAATTGACTGA
5345	DNA; Synthetic Construct	TCAGTCAATTCGTCAtgatctTCAGTCAATTCGTCAtacgctTCAGTCAATTCGTCA tgccgctTCAGTCAATTCGTCAtgctttTCAGTCAATTCGTCAtgatctTCAGTCAA TTCGTCAtacgctTCAGTCAATTCGTCA
5346	DNA; Synthetic Construct	TGACGAATTGACTGTtgatctTGACGAATTGACTGTtacgctTGACGAATTGACTGT tgccgctTGACGAATTGACTGTtgctttTGACGAATTGACTGTtgatctTGACGAAT TGACTGTtacgctTGACGAATTGACTGT
5347	DNA; Synthetic Construct	ACAGTCAATTCGTCAtgatctACAGTCAATTCGTCAtacgctACAGTCAATTCGTCA tgccgctACAGTCAATTCGTCAtgctttACAGTCAATTCGTCAtgatctACAGTCAA TTCGTCAtacgctACAGTCAATTCGTCA
5348	DNA; Synthetic Construct	TGACGAATTGACTCAtgatctTGACGAATTGACTCAtacgctTGACGAATTGACTCA tgccgctTGACGAATTGACTCAtgctttTGACGAATTGACTCAtgatctTGACGAAT TGACTCAtacgctTGACGAATTGACTCA
5349	DNA; Synthetic Construct	TGAGTCAATTCGTCAtgatctTGAGTCAATTCGTCAtacgctTGAGTCAATTCGTCA tgccgctTGAGTCAATTCGTCAtgctttTGAGTCAATTCGTCAtgatctTGAGTCAA TTCGTCAtacgctTGAGTCAATTCGTCA
5350	DNA; Synthetic Construct	TGACGAATTGACTCTtgatctTGACGAATTGACTCTtacgctTGACGAATTGACTCT tgccgctTGACGAATTGACTCTtgctttTGACGAATTGACTCTtgatctTGACGAAT TGACTCTtacgctTGACGAATTGACTCT
5351	DNA; Synthetic Construct	AGAGTCAATTCGTCAtgatctAGAGTCAATTCGTCAtacgctAGAGTCAATTCGTCA tgccgctAGAGTCAATTCGTCAtgctttAGAGTCAATTCGTCAtgatctAGAGTCAA TTCGTCAtacgctAGAGTCAATTCGTCA
5352	DNA; Synthetic Construct	ATGAGTCACtacgctATGAGTCACtgccgctATGAGTCACtgctttATGAGTCACtg atctATGAGTCACtacgctATGAGTCACtgccgctATGAGTCACtgctttATGAGTC ACtgatctATGAGTCACtacgctATGAGTCAC
5353	DNA; Synthetic Construct	GTGACTCATtacgctGTGACTCATtgccgctGTGACTCATtgctttGTGACTCATtg atctGTGACTCATtacgctGTGACTCATtgccgctGTGACTCATtgctttGTGACTC ATtgatctGTGACTCATtacgctGTGACTCAT

5354	DNA; Synthetic Construct	ATGAGTCAGtacgctATGAGTCAGtgccgctATGAGTCAGtgctttATGAGTCAGtg atctATGAGTCAGtacgctATGAGTCAGtgccgctATGAGTCAGtgctttATGAGTC AGtgatctATGAGTCAGtacgctATGAGTCAG
5355	DNA; Synthetic Construct	CTGACTCATtacgctCTGACTCATtgccgctCTGACTCATtgctttCTGACTCATtg atctCTGACTCATtacgctCTGACTCATtgccgctCTGACTCATtgctttCTGACTC ATtgatctCTGACTCATtacgctCTGACTCAT
5356	DNA; Synthetic Construct	ATGAGTCATtacgctATGAGTCATtgccgctATGAGTCATtgctttATGAGTCATtg atctATGAGTCATtacgctATGAGTCATtgccgctATGAGTCATtgctttATGAGTC ATtgatctATGAGTCATtacgctATGAGTCAT
5357	DNA; Synthetic Construct	ATGACTCATtacgctATGACTCATtgccgctATGACTCATtgctttATGACTCATtg atctATGACTCATtacgctATGACTCATtgccgctATGACTCATtgctttATGACTC ATtgatctATGACTCATtacgctATGACTCAT
5358	DNA; Synthetic Construct	ATGACTCACtacgctATGACTCACtgccgctATGACTCACtgctttATGACTCACtg atctATGACTCACtacgctATGACTCACtgccgctATGACTCACtgctttATGACTC ACtgatctATGACTCACtacgctATGACTCAC
5359	DNA; Synthetic Construct	GTGAGTCATtacgctGTGAGTCATtgccgctGTGAGTCATtgctttGTGAGTCATtg atctGTGAGTCATtacgctGTGAGTCATtgccgctGTGAGTCATtgctttGTGAGTC ATtgatctGTGAGTCATtacgctGTGAGTCAT
5360	DNA; Synthetic Construct	ATGACTCAGtacgctATGACTCAGtgccgctATGACTCAGtgctttATGACTCAGtg atctATGACTCAGtacgctATGACTCAGtgccgctATGACTCAGtgctttATGACTC AGtgatctATGACTCAGtacgctATGACTCAG
5361	DNA; Synthetic Construct	CTGAGTCATtacgctCTGAGTCATtgccgctCTGAGTCATtgctttCTGAGTCATtg atctCTGAGTCATtacgctCTGAGTCATtgccgctCTGAGTCATtgctttCTGAGTC ATtgatctCTGAGTCATtacgctCTGAGTCAT
5362	DNA; Synthetic Construct	ATGACTCATtacgctATGACTCATtgccgctATGACTCATtgctttATGACTCATtg atctATGACTCATtacgctATGACTCATtgccgctATGACTCATtgctttATGACTC ATtgatctATGACTCATtacgctATGACTCAT
5363	DNA; Synthetic Construct	ATGAGTCATtacgctATGAGTCATtgccgctATGAGTCATtgctttATGAGTCATtg atctATGAGTCATtacgctATGAGTCATtgccgctATGAGTCATtgctttATGAGTC ATtgatctATGAGTCATtacgctATGAGTCAT
5364	DNA; Synthetic Construct	AATGAGTCACtgccgctAATGAGTCACtgctttAATGAGTCACtgatctAATGAGTC ACtacgctAATGAGTCACtgccgctAATGAGTCACtgctttAATGAGTCACtgatct AATGAGTCACtacgctAATGAGTCAC
5365	DNA; Synthetic Construct	GTGACTCATTtgccgctGTGACTCATTtgctttGTGACTCATTtgatctGTGACTCA TTtacgctGTGACTCATTtgccgctGTGACTCATTtgctttGTGACTCATTtgatct GTGACTCATTtacgctGTGACTCATT
5366	DNA; Synthetic Construct	AATGAGTCATtgccgctAATGAGTCATtgctttAATGAGTCATtgatctAATGAGTC ATtacgctAATGAGTCATtgccgctAATGAGTCATtgctttAATGAGTCATtgatct AATGAGTCATtacgctAATGAGTCAT
5367	DNA; Synthetic Construct	ATGACTCATTtgccgctATGACTCATTtgctttATGACTCATTtgatctATGACTCA TTtacgctATGACTCATTtgccgctATGACTCATTtgctttATGACTCATTtgatct ATGACTCATTtacgctATGACTCATT
5368	DNA; Synthetic Construct	AATGACTCACtgccgctAATGACTCACtgctttAATGACTCACtgatctAATGACTC ACtacgctAATGACTCACtgccgctAATGACTCACtgctttAATGACTCACtgatct AATGACTCACtacgctAATGACTCAC
5369	DNA; Synthetic Construct	GTGAGTCATTtgccgctGTGAGTCATTtgctttGTGAGTCATTtgatctGTGAGTCA TTtacgctGTGAGTCATTtgccgctGTGAGTCATTtgctttGTGAGTCATTtgatct GTGAGTCATTtacgctGTGAGTCATT
5370	DNA; Synthetic Construct	AATGACTCATtgccgctAATGACTCATtgctttAATGACTCATtgatctAATGACTC ATtacgctAATGACTCATtgccgctAATGACTCATtgctttAATGACTCATtgatct AATGACTCATtacgctAATGACTCAT
5371	DNA; Synthetic Construct	ATGAGTCATTtgccgctATGAGTCATTtgctttATGAGTCATTtgatctATGAGTCA TTtacgctATGAGTCATTtgccgctATGAGTCATTtgctttATGAGTCATTtgatct ATGAGTCATTtacgctATGAGTCATT

5372	DNA; Synthetic Construct	GATGAGTCACtgccgctGATGAGTCACtgctttGATGAGTCACtgatctGATGAGTC ACtacgctGATGAGTCACtgccgctGATGAGTCACtgctttGATGAGTCACtgatct GATGAGTCACtacgctGATGAGTCAC
5373	DNA; Synthetic Construct	GTGACTCATCtgccgctGTGACTCATCtgctttGTGACTCATCtgatctGTGACTCA TCtacgctGTGACTCATCtgccgctGTGACTCATCtgctttGTGACTCATCtgatct GTGACTCATCtacgctGTGACTCATC
5374	DNA; Synthetic Construct	GATGAGTCATtgccgctGATGAGTCATtgctttGATGAGTCATtgatctGATGAGTC ATtacgctGATGAGTCATtgccgctGATGAGTCATtgctttGATGAGTCATtgatct GATGAGTCATtacgctGATGAGTCAT
5375	DNA; Synthetic Construct	ATGACTCATCtgccgctATGACTCATCtgctttATGACTCATCtgatctATGACTCA TCtacgctATGACTCATCtgccgctATGACTCATCtgctttATGACTCATCtgatct ATGACTCATCtacgctATGACTCATC
5376	DNA; Synthetic Construct	GATGACTCACtgccgctGATGACTCACtgctttGATGACTCACtgatctGATGACTC ACtacgctGATGACTCACtgccgctGATGACTCACtgctttGATGACTCACtgatct GATGACTCACtacgctGATGACTCAC
5377	DNA; Synthetic Construct	GTGAGTCATCtgccgctGTGAGTCATCtgctttGTGAGTCATCtgatctGTGAGTCA TCtacgctGTGAGTCATCtgccgctGTGAGTCATCtgctttGTGAGTCATCtgatct GTGAGTCATCtacgctGTGAGTCATC
5378	DNA; Synthetic Construct	GATGACTCATtgccgctGATGACTCATtgctttGATGACTCATtgatctGATGACTC ATtacgctGATGACTCATtgccgctGATGACTCATtgctttGATGACTCATtgatct GATGACTCATtacgctGATGACTCAT
5379	DNA; Synthetic Construct	ATGAGTCATCtgccgctATGAGTCATCtgctttATGAGTCATCtgatctATGAGTCA TCtacgctATGAGTCATCtgccgctATGAGTCATCtgctttATGAGTCATCtgatct ATGAGTCATCtacgctATGAGTCATC
5380	DNA; Synthetic Construct	TATGAGTCACtgccgcttATGAGTCACtgctttTATGAGTCACtgatctTATGAGTC ACtacgcttATGAGTCACtgccgcttATGAGTCACtgctttTATGAGTCACtgatct TATGAGTCACtacgcttATGAGTCAC
5381	DNA; Synthetic Construct	GTGACTCATAtgccgctGTGACTCATAtgctttGTGACTCATAtgatctGTGACTCA TAtacgctGTGACTCATAtgccgctGTGACTCATAtgctttGTGACTCATAtgatct GTGACTCATAtacgctGTGACTCATA
5382	DNA; Synthetic Construct	TATGAGTCATtgccgcttATGAGTCATtgctttTATGAGTCATtgatctTATGAGTC ATtacgcttATGAGTCATtgccgcttATGAGTCATtgctttTATGAGTCATtgatct TATGAGTCATtacgcttATGAGTCAT
5383	DNA; Synthetic Construct	ATGACTCATAtgccgctATGACTCATAtgctttATGACTCATAtgatctATGACTCA TAtacgctATGACTCATAtgccgctATGACTCATAtgctttATGACTCATAtgatct ATGACTCATAtacgctATGACTCATA
5384	DNA; Synthetic Construct	TATGACTCACtgccgcttATGACTCACtgctttTATGACTCACtgatctTATGACTC ACtacgcttATGACTCACtgccgcttATGACTCACtgctttTATGACTCACtgatct TATGACTCACtacgcttATGACTCAC
5385	DNA; Synthetic Construct	GTGAGTCATAtgccgctGTGAGTCATAtgctttGTGAGTCATAtgatctGTGAGTCA TAtacgctGTGAGTCATAtgccgctGTGAGTCATAtgctttGTGAGTCATAtgatct GTGAGTCATAtacgctGTGAGTCATA
5386	DNA; Synthetic Construct	TATGACTCATtgccgcttATGACTCATtgctttTATGACTCATtgatctTATGACTC ATtacgcttATGACTCATtgccgcttATGACTCATtgctttTATGACTCATtgatct TATGACTCATtacgcttATGACTCAT
5387	DNA; Synthetic Construct	ATGAGTCATAtgccgctATGAGTCATAtgctttATGAGTCATAtgatctATGAGTCA TAtacgctATGAGTCATAtgccgctATGAGTCATAtgctttATGAGTCATAtgatct ATGAGTCATAtacgctATGAGTCATA
5388	DNA; Synthetic Construct	GTTTTATTGACTCACtgatctGTTTTATTGACTCACtacgctGTTTTATTGACTCAC tgccgctGTTTTATTGACTCACtgctttGTTTTATTGACTCACtgatctGTTTTATT GACTCACtacgctGTTTTATTGACTCAC
5389	DNA; Synthetic Construct	GTGAGTCAATAAAACtgatctGTGAGTCAATAAAACtacgctGTGAGTCAATAAAAC tgccgctGTGAGTCAATAAAACtgctttGTGAGTCAATAAAACtgatctGTGAGTCA ATAAAACtacgctGTGAGTCAATAAAAC

5390	DNA; Synthetic Construct	GTTTTGTTGACTCACtgatctGTTTTGTTGACTCACtacgctGTTTTGTTGACTCAC tgccgctGTTTTGTTGACTCACtgctttGTTTTGTTGACTCACtgatctGTTTTGTT GACTCACtacgctGTTTTGTTGACTCAC
5391	DNA; Synthetic Construct	GTGAGTCAACAAAACtgatctGTGAGTCAACAAAACtacgctGTGAGTCAACAAAAC tgccgctGTGAGTCAACAAAACtgctttGTGAGTCAACAAAACtgatctGTGAGTCA ACAAAACtacgctGTGAGTCAACAAAAC
5392	DNA; Synthetic Construct	ATCGGCCAACACGGCAtgatctATCGGCCAACACGGCAtacgctATCGGCCAACACG GCAtgccgctATCGGCCAACACGGCAtgctttATCGGCCAACACGGCAtgatctATC GGCCAACACGGCAtacgctATCGGCCAACACGGCA
5393	DNA; Synthetic Construct	TGCCGTGTTGGCCGATtgatctTGCCGTGTTGGCCGATtacgctTGCCGTGTTGGCC GATtgccgctTGCCGTGTTGGCCGATtgctttTGCCGTGTTGGCCGATtgatctTGC CGTGTTGGCCGATtacgctTGCCGTGTTGGCCGAT
5394	DNA; Synthetic Construct	ATCGGCCAACTCGGCAtgatctATCGGCCAACTCGGCAtacgctATCGGCCAACTCG GCAtgccgctATCGGCCAACTCGGCAtgctttATCGGCCAACTCGGCAtgatctATC GGCCAACTCGGCAtacgctATCGGCCAACTCGGCA
5395	DNA; Synthetic Construct	TGCCGAGTTGGCCGATtgatctTGCCGAGTTGGCCGATtacgctTGCCGAGTTGGCC GATtgccgctTGCCGAGTTGGCCGATtgctttTGCCGAGTTGGCCGATtgatctTGC CGAGTTGGCCGATtacgctTGCCGAGTTGGCCGAT
5396	DNA; Synthetic Construct	ATCGGCTAACACGGCAtgatctATCGGCTAACACGGCAtacgctATCGGCTAACACG GCAtgccgctATCGGCTAACACGGCAtgctttATCGGCTAACACGGCAtgatctATC GGCTAACACGGCAtacgctATCGGCTAACACGGCA
5397	DNA; Synthetic Construct	TGCCGTGTTAGCCGATtgatctTGCCGTGTTAGCCGATtacgctTGCCGTGTTAGCC GATtgccgctTGCCGTGTTAGCCGATtgctttTGCCGTGTTAGCCGATtgatctTGC CGTGTTAGCCGATtacgctTGCCGTGTTAGCCGAT
5398	DNA; Synthetic Construct	ATCGGCTAACTCGGCAtgatctATCGGCTAACTCGGCAtacgctATCGGCTAACTCG GCAtgccgctATCGGCTAACTCGGCAtgctttATCGGCTAACTCGGCAtgatctATC GGCTAACTCGGCAtacgctATCGGCTAACTCGGCA
5399	DNA; Synthetic Construct	TGCCGAGTTAGCCGATtgatctTGCCGAGTTAGCCGATtacgctTGCCGAGTTAGCC GATtgccgctTGCCGAGTTAGCCGATtgctttTGCCGAGTTAGCCGATtgatctTGC CGAGTTAGCCGATtacgctTGCCGAGTTAGCCGAT
5400	DNA; Synthetic Construct	GTCGGCCAACACGGCAtgatctGTCGGCCAACACGGCAtacgctGTCGGCCAACACG GCAtgccgctGTCGGCCAACACGGCAtgctttGTCGGCCAACACGGCAtgatctGTC GGCCAACACGGCAtacgctGTCGGCCAACACGGCA
5401	DNA; Synthetic Construct	TGCCGTGTTGGCCGACtgatctTGCCGTGTTGGCCGACtacgctTGCCGTGTTGGCC GACtgccgctTGCCGTGTTGGCCGACtgctttTGCCGTGTTGGCCGACtgatctTGC CGTGTTGGCCGACtacgctTGCCGTGTTGGCCGAC
5402	DNA; Synthetic Construct	GTCGGCCAACTCGGCAtgatctGTCGGCCAACTCGGCAtacgctGTCGGCCAACTCG GCAtgccgctGTCGGCCAACTCGGCAtgctttGTCGGCCAACTCGGCAtgatctGTC GGCCAACTCGGCAtacgctGTCGGCCAACTCGGCA
5403	DNA; Synthetic Construct	TGCCGAGTTGGCCGACtgatctTGCCGAGTTGGCCGACtacgctTGCCGAGTTGGCC GACtgccgctTGCCGAGTTGGCCGACtgctttTGCCGAGTTGGCCGACtgatctTGC CGAGTTGGCCGACtacgctTGCCGAGTTGGCCGAC
5404	DNA; Synthetic Construct	GTCGGCTAACACGGCAtgatctGTCGGCTAACACGGCAtacgctGTCGGCTAACACG GCAtgccgctGTCGGCTAACACGGCAtgctttGTCGGCTAACACGGCAtgatctGTC GGCTAACACGGCAtacgctGTCGGCTAACACGGCA
5405	DNA; Synthetic Construct	TGCCGTGTTAGCCGACtgatctTGCCGTGTTAGCCGACtacgctTGCCGTGTTAGCC GACtgccgctTGCCGTGTTAGCCGACtgctttTGCCGTGTTAGCCGACtgatctTGC CGTGTTAGCCGACtacgctTGCCGTGTTAGCCGAC
5406	DNA; Synthetic Construct	GTCGGCTAACTCGGCAtgatctGTCGGCTAACTCGGCAtacgctGTCGGCTAACTCG GCAtgccgctGTCGGCTAACTCGGCAtgctttGTCGGCTAACTCGGCAtgatctGTC GGCTAACTCGGCAtacgctGTCGGCTAACTCGGCA
5407	DNA; Synthetic Construct	TGCCGAGTTAGCCGACtgatctTGCCGAGTTAGCCGACtacgctTGCCGAGTTAGCC GACtgccgctTGCCGAGTTAGCCGACtgctttTGCCGAGTTAGCCGACtgatctTGC CGAGTTAGCCGACtacgctTGCCGAGTTAGCCGAC

5408	DNA; Synthetic Construct	ACTCTTTCTCTGCTGCAACACCTGCTGTCtgctttACTCTTTCTCTGCTGCAACACC TGCTGTCtgatctACTCTTTCTCTGCTGCAACACCTGCTGTCtacgctACTCTTTCT CTGCTGCAACACCTGCTGTC
5409	DNA; Synthetic Construct	GACAGCAGGTGTTGCAGCAGAGAAAGAGTtgctttGACAGCAGGTGTTGCAGCAGAG AAAGAGTtgatctGACAGCAGGTGTTGCAGCAGAGAAAGAGTtacgctGACAGCAGG TGTTGCAGCAGAGAAAGAGT
5410	DNA; Synthetic Construct	ACTCTTTCTCTGCTGCAACACCTGCTGTTtgctttACTCTTTCTCTGCTGCAACACC TGCTGTTtgatctACTCTTTCTCTGCTGCAACACCTGCTGTTtacgctACTCTTTCT CTGCTGCAACACCTGCTGTT
5411	DNA; Synthetic Construct	AACAGCAGGTGTTGCAGCAGAGAAAGAGTtgctttAACAGCAGGTGTTGCAGCAGAG AAAGAGTtgatctAACAGCAGGTGTTGCAGCAGAGAAAGAGTtacgctAACAGCAGG TGTTGCAGCAGAGAAAGAGT
5412	DNA; Synthetic Construct	ACTCTTTCTCTGCTGCAATACCTGCTGTCtgctttACTCTTTCTCTGCTGCAATACC TGCTGTCtgatctACTCTTTCTCTGCTGCAATACCTGCTGTCtacgctACTCTTTCT CTGCTGCAATACCTGCTGTC
5413	DNA; Synthetic Construct	GACAGCAGGTATTGCAGCAGAGAAAGAGTtgctttGACAGCAGGTATTGCAGCAGAG AAAGAGTtgatctGACAGCAGGTATTGCAGCAGAGAAAGAGTtacgctGACAGCAGG TATTGCAGCAGAGAAAGAGT
5414	DNA; Synthetic Construct	ACTCTTTCTCTGCTGCAATACCTGCTGTTtgctttACTCTTTCTCTGCTGCAATACC TGCTGTTtgatctACTCTTTCTCTGCTGCAATACCTGCTGTTtacgctACTCTTTCT CTGCTGCAATACCTGCTGTT
5415	DNA; Synthetic Construct	AACAGCAGGTATTGCAGCAGAGAAAGAGTtgctttAACAGCAGGTATTGCAGCAGAG AAAGAGTtgatctAACAGCAGGTATTGCAGCAGAGAAAGAGTtacgctAACAGCAGG TATTGCAGCAGAGAAAGAGT
5416	DNA; Synthetic Construct	ACATACATTtacgctACATACATTtgccgctACATACATTtgctttACATACATTtg atctACATACATTtacgctACATACATTtgccgctACATACATTtgctttACATACA TTtgatctACATACATTtacgctACATACATT
5417	DNA; Synthetic Construct	AATGTATGTtacgctAATGTATGTtgccgctAATGTATGTtgctttAATGTATGTtg atctAATGTATGTtacgctAATGTATGTtgccgctAATGTATGTtgctttAATGTAT GTtgatctAATGTATGTtacgctAATGTATGT
5418	DNA; Synthetic Construct	ACATACGTTtacgctACATACGTTtgccgctACATACGTTtgctttACATACGTTtg atctACATACGTTtacgctACATACGTTtgccgctACATACGTTtgctttACATACG TTtgatctACATACGTTtacgctACATACGTT
5419	DNA; Synthetic Construct	AACGTATGTtacgctAACGTATGTtgccgctAACGTATGTtgctttAACGTATGTtg atctAACGTATGTtacgctAACGTATGTtgccgctAACGTATGTtgctttAACGTAT GTtgatctAACGTATGTtacgctAACGTATGT
5420	DNA; Synthetic Construct	ATATACATTtacgctATATACATTtgccgctATATACATTtgctttATATACATTtg atctATATACATTtacgctATATACATTtgccgctATATACATTtgctttATATACA TTtgatctATATACATTtacgctATATACATT
5421	DNA; Synthetic Construct	AATGTATATtacgctAATGTATATtgccgctAATGTATATtgctttAATGTATATtg atctAATGTATATtacgctAATGTATATtgccgctAATGTATATtgctttAATGTAT ATtgatctAATGTATATtacgctAATGTATAT
5422	DNA; Synthetic Construct	ATATACGTTtacgctATATACGTTtgccgctATATACGTTtgctttATATACGTTtg atctATATACGTTtacgctATATACGTTtgccgctATATACGTTtgctttATATACG TTtgatctATATACGTTtacgctATATACGTT
5423	DNA; Synthetic Construct	AACGTATATtacgctAACGTATATtgccgctAACGTATATtgctttAACGTATATtg atctAACGTATATtacgctAACGTATATtgccgctAACGTATATtgctttAACGTAT ATtgatctAACGTATATtacgctAACGTATAT
5424	DNA; Synthetic Construct	CCATACATTtacgctCCATACATTtgccgctCCATACATTtgctttCCATACATTtg atctCCATACATTtacgctCCATACATTtgccgctCCATACATTtgctttCCATACA TTtgatctCCATACATTtacgctCCATACATT
5425	DNA; Synthetic Construct	AATGTATGGtacgctAATGTATGGtgccgctAATGTATGGtgctttAATGTATGGtg atctAATGTATGGtacgctAATGTATGGtgccgctAATGTATGGtgctttAATGTAT GGtgatctAATGTATGGtacgctAATGTATGG

5426	DNA; Synthetic Construct	CCATACGTTtacgctCCATACGTTtgccgctCCATACGTTtgctttCCATACGTTtg atctCCATACGTTtacgctCCATACGTTtgccgctCCATACGTTtgctttCCATACG TTtgatctCCATACGTTtacgctCCATACGTT
5427	DNA; Synthetic Construct	AACGTATGGtacgctAACGTATGGtgccgctAACGTATGGtgctttAACGTATGGtg atctAACGTATGGtacgctAACGTATGGtgccgctAACGTATGGtgctttAACGTAT GGtgatctAACGTATGGtacgctAACGTATGG
5428	DNA; Synthetic Construct	CTATACATTtacgctCTATACATTtgccgctCTATACATTtgctttCTATACATTtg atctCTATACATTtacgctCTATACATTtgccgctCTATACATTtgctttCTATACA TTtgatctCTATACATTtacgctCTATACATT
5429	DNA; Synthetic Construct	AATGTATAGtacgctAATGTATAGtgccgctAATGTATAGtgctttAATGTATAGtg atctAATGTATAGtacgctAATGTATAGtgccgctAATGTATAGtgctttAATGTAT AGtgatctAATGTATAGtacgctAATGTATAG
5430	DNA; Synthetic Construct	CTATACGTTtacgctCTATACGTTtgccgctCTATACGTTtgctttCTATACGTTtg atctCTATACGTTtacgctCTATACGTTtgccgctCTATACGTTtgctttCTATACG TTtgatctCTATACGTTtacgctCTATACGTT
5431	DNA; Synthetic Construct	AACGTATAGtacgctAACGTATAGtgccgctAACGTATAGtgctttAACGTATAGtg atctAACGTATAGtacgctAACGTATAGtgccgctAACGTATAGtgctttAACGTAT AGtgatctAACGTATAGtacgctAACGTATAG
5432	DNA; Synthetic Construct	CGTCTAGACAtgccgctCGTCTAGACAtgctttCGTCTAGACAtgatctCGTCTAGA CAtacgctCGTCTAGACAtgccgctCGTCTAGACAtgctttCGTCTAGACAtgatct CGTCTAGACAtacgctCGTCTAGACA
5433	DNA; Synthetic Construct	TGTCTAGACGtgccgctTGTCTAGACGtgctttTGTCTAGACGtgatctTGTCTAGA CGtacgctTGTCTAGACGtgccgctTGTCTAGACGtgctttTGTCTAGACGtgatct TGTCTAGACGtacgctTGTCTAGACG
5434	DNA; Synthetic Construct	TGTCTAGACAtgccgctTGTCTAGACAtgctttTGTCTAGACAtgatctTGTCTAGA CAtacgctTGTCTAGACAtgccgctTGTCTAGACAtgctttTGTCTAGACAtgatct TGTCTAGACAtacgctTGTCTAGACA
5435	DNA; Synthetic Construct	TGTCTAGACAtgccgctTGTCTAGACAtgctttTGTCTAGACAtgatctTGTCTAGA CAtacgctTGTCTAGACAtgccgctTGTCTAGACAtgctttTGTCTAGACAtgatct TGTCTAGACAtacgctTGTCTAGACA
5436	DNA; Synthetic Construct	ATGAGTCATAtgccgctATGAGTCATAtgctttATGAGTCATAtgatctATGAGTCA TAtacgctATGAGTCATAtgccgctATGAGTCATAtgctttATGAGTCATAtgatct ATGAGTCATAtacgctATGAGTCATA
5437	DNA; Synthetic Construct	TATGACTCATtgccgcttATGACTCATtgctttTATGACTCATtgatctTATGACTC ATtacgcttATGACTCATtgccgcttATGACTCATtgctttTATGACTCATtgatct TATGACTCATtacgcttATGACTCAT
5438	DNA; Synthetic Construct	ATGAGTCATCtgccgctATGAGTCATCtgctttATGAGTCATCtgatctATGAGTCA TCtacgctATGAGTCATCtgccgctATGAGTCATCtgctttATGAGTCATCtgatct ATGAGTCATCtacgctATGAGTCATC
5439	DNA; Synthetic Construct	GATGACTCATtgccgctGATGACTCATtgctttGATGACTCATtgatctGATGACTC ATtacgctGATGACTCATtgccgctGATGACTCATtgctttGATGACTCATtgatct GATGACTCATtacgctGATGACTCAT
5440	DNA; Synthetic Construct	ATGAGTCATTtgccgctATGAGTCATTtgctttATGAGTCATTtgatctATGAGTCA TTtacgctATGAGTCATTtgccgctATGAGTCATTtgctttATGAGTCATTtgatct ATGAGTCATTtacgctATGAGTCATT
5441	DNA; Synthetic Construct	AATGACTCATtgccgctAATGACTCATtgctttAATGACTCATtgatctAATGACTC ATtacgctAATGACTCATtgccgctAATGACTCATtgctttAATGACTCATtgatct AATGACTCATtacgctAATGACTCAT
5442	DNA; Synthetic Construct	ATGACTCATAtgccgctATGACTCATAtgctttATGACTCATAtgatctATGACTCA TAtacgctATGACTCATAtgccgctATGACTCATAtgctttATGACTCATAtgatct ATGACTCATAtacgctATGACTCATA
5443	DNA; Synthetic Construct	TATGAGTCATtgccgcttATGAGTCATtgctttTATGAGTCATtgatctTATGAGTC ATtacgcttATGAGTCATtgccgcttATGAGTCATtgctttTATGAGTCATtgatct TATGAGTCATtacgcttATGAGTCAT

5444	DNA; Synthetic Construct	ATGACTCATCtgccgctATGACTCATCtgctttATGACTCATCtgatctATGACTCA TCtacgctATGACTCATCtgccgctATGACTCATCtgctttATGACTCATCtgatct ATGACTCATCtacgctATGACTCATC
5445	DNA; Synthetic Construct	GATGAGTCATtgccgctGATGAGTCATtgctttGATGAGTCATtgatctGATGAGTC ATtacgctGATGAGTCATtgccgctGATGAGTCATtgctttGATGAGTCATtgatct GATGAGTCATtacgctGATGAGTCAT
5446	DNA; Synthetic Construct	ATGACTCATTtgccgctATGACTCATTtgctttATGACTCATTtgatctATGACTCA TTtacgctATGACTCATTtgccgctATGACTCATTtgctttATGACTCATTtgatct ATGACTCATTtacgctATGACTCATT
5447	DNA; Synthetic Construct	AATGAGTCATtgccgctAATGAGTCATtgctttAATGAGTCATtgatctAATGAGTC ATtacgctAATGAGTCATtgccgctAATGAGTCATtgctttAATGAGTCATtgatct AATGAGTCATtacgctAATGAGTCAT
5448	DNA; Synthetic Construct	GAAATGAGTCAtgccgctGAAATGAGTCAtgctttGAAATGAGTCAtgatctGAAAT GAGTCAtacgctGAAATGAGTCAtgccgctGAAATGAGTCAtgctttGAAATGAGTC AtgatctGAAATGAGTCAtacgctGAAATGAGTCA
5449	DNA; Synthetic Construct	TGACTCATTTCtgccgctTGACTCATTTCtgctttTGACTCATTTCtgatcttGACT CATTTCtacgcttGACTCATTTCtgccgctTGACTCATTTCtgctttTGACTCATTT CtgatctTGACTCATTTCtacgcttGACTCATTTC
5450	DNA; Synthetic Construct	GATGACTCATCtgccgctGATGACTCATCtgctttGATGACTCATCtgatctGATGA CTCATCtacgctGATGACTCATCtgccgctGATGACTCATCtgctttGATGACTCAT CtgatctGATGACTCATCtacgctGATGACTCATC
5451	DNA; Synthetic Construct	GATGAGTCATCtgccgctGATGAGTCATCtgctttGATGAGTCATCtgatctGATGA GTCATCtacgctGATGAGTCATCtgccgctGATGAGTCATCtgctttGATGAGTCAT CtgatctGATGAGTCATCtacgctGATGAGTCATC
5452	DNA; Synthetic Construct	ATGAGTCATtacgctATGAGTCATtgccgctATGAGTCATtgctttATGAGTCATtg atctATGAGTCATtacgctATGAGTCATtgccgctATGAGTCATtgctttATGAGTC ATtgatctATGAGTCATtacgctATGAGTCAT
5453	DNA; Synthetic Construct	ATGACTCATtacgctATGACTCATtgccgctATGACTCATtgctttATGACTCATtg atctATGACTCATtacgctATGACTCATtgccgctATGACTCATtgctttATGACTC ATtgatctATGACTCATtacgctATGACTCAT
5454	DNA; Synthetic Construct	ATGACTCATtacgctATGACTCATtgccgctATGACTCATtgctttATGACTCATtg atctATGACTCATtacgctATGACTCATtgccgctATGACTCATtgctttATGACTC ATtgatctATGACTCATtacgctATGACTCAT
5455	DNA; Synthetic Construct	ATGAGTCATtacgctATGAGTCATtgccgctATGAGTCATtgctttATGAGTCATtg atctATGAGTCATtacgctATGAGTCATtgccgctATGAGTCATtgctttATGAGTC ATtgatctATGAGTCATtacgctATGAGTCAT
5456	DNA; Synthetic Construct	ATCGTAAAAtacgctATCGTAAAAtgccgctATCGTAAAAtgctttATCGTAAAAtg atctATCGTAAAAtacgctATCGTAAAAtgccgctATCGTAAAAtgctttATCGTAA AAtgatctATCGTAAAAtacgctATCGTAAAA
5457	DNA; Synthetic Construct	TTTTACGATtacgctTTTTACGATtgccgctTTTTACGATtgctttTTTTACGATtg atctTTTTACGATtacgctTTTTACGATtgccgctTTTTACGATtgctttTTTTACG ATtgatctTTTTACGATtacgctTTTTACGAT
5458	DNA; Synthetic Construct	GTCGTAAAAtacgctGTCGTAAAAtgccgctGTCGTAAAAtgctttGTCGTAAAAtg atctGTCGTAAAAtacgctGTCGTAAAAtgccgctGTCGTAAAAtgctttGTCGTAA AAtgatctGTCGTAAAAtacgctGTCGTAAAA
5459	DNA; Synthetic Construct	TTTTACGACtacgctTTTTACGACtgccgctTTTTACGACtgctttTTTTACGACtg atctTTTTACGACtacgctTTTTACGACtgccgctTTTTACGACtgctttTTTTACG ACtgatctTTTTACGACtacgctTTTTACGAC
5460	DNA; Synthetic Construct	ATGAGTCATCCtgccgctATGAGTCATCCtgctttATGAGTCATCCtgatctATGAG TCATCCtacgctATGAGTCATCCtgccgctATGAGTCATCCtgctttATGAGTCATC CtgatctATGAGTCATCCtacgctATGAGTCATCC
5461	DNA; Synthetic Construct	GGATGACTCATtgccgctGGATGACTCATtgctttGGATGACTCATtgatctGGATG ACTCATtacgctGGATGACTCATtgccgctGGATGACTCATtgctttGGATGACTCA TtgatctGGATGACTCATtacgctGGATGACTCAT

5462	DNA; Synthetic Construct	ATGACTCATCCtgccgctATGACTCATCCtgctttATGACTCATCCtgatctATGAC TCATCCtacgctATGACTCATCCtgccgctATGACTCATCCtgctttATGACTCATC CtgatctATGACTCATCCtacgctATGACTCATCC
5463	DNA; Synthetic Construct	GGATGAGTCATtgccgctGGATGAGTCATtgctttGGATGAGTCATtgatctGGATG AGTCATtacgctGGATGAGTCATtgccgctGGATGAGTCATtgctttGGATGAGTCA TtgatctGGATGAGTCATtacgctGGATGAGTCAT
5464	DNA; Synthetic Construct	GTGAGTCATCCtgccgctGTGAGTCATCCtgctttGTGAGTCATCCtgatctGTGAG TCATCCtacgctGTGAGTCATCCtgccgctGTGAGTCATCCtgctttGTGAGTCATC CtgatctGTGAGTCATCCtacgctGTGAGTCATCC
5465	DNA; Synthetic Construct	GGATGACTCACtgccgctGGATGACTCACtgctttGGATGACTCACtgatctGGATG ACTCACtacgctGGATGACTCACtgccgctGGATGACTCACtgctttGGATGACTCA CtgatctGGATGACTCACtacgctGGATGACTCAC
5466	DNA; Synthetic Construct	GTGACTCATCCtgccgctGTGACTCATCCtgctttGTGACTCATCCtgatctGTGAC TCATCCtacgctGTGACTCATCCtgccgctGTGACTCATCCtgctttGTGACTCATC CtgatctGTGACTCATCCtacgctGTGACTCATCC
5467	DNA; Synthetic Construct	GGATGAGTCACtgccgctGGATGAGTCACtgctttGGATGAGTCACtgatctGGATG AGTCACtacgctGGATGAGTCACtgccgctGGATGAGTCACtgctttGGATGAGTCA CtgatctGGATGAGTCACtacgctGGATGAGTCAC
5468	DNA; Synthetic Construct	CGACCACCGtacgctCGACCACCGtgccgctCGACCACCGtgctttCGACCACCGtg atctCGACCACCGtacgctCGACCACCGtgccgctCGACCACCGtgctttCGACCAC CGtgatctCGACCACCGtacgctCGACCACCG
5469	DNA; Synthetic Construct	CGGTGGTCGtacgctCGGTGGTCGtgccgctCGGTGGTCGtgctttCGGTGGTCGtg atctCGGTGGTCGtacgctCGGTGGTCGtgccgctCGGTGGTCGtgctttCGGTGGT CGtgatctCGGTGGTCGtacgctCGGTGGTCG
5470	DNA; Synthetic Construct	ATGAATAATTAATtgctttATGAATAATTAATtgatctATGAATAATTAATtacgct ATGAATAATTAATtgccgctATGAATAATTAATtgctttATGAATAATTAATtgatc tATGAATAATTAATtacgctATGAATAATTAAT
5471	DNA; Synthetic Construct	ATTAATTATTCATtgctttATTAATTATTCATtgatctATTAATTATTCATtacgct ATTAATTATTCATtgccgctATTAATTATTCATtgctttATTAATTATTCATtgatc tATTAATTATTCATtacgctATTAATTATTCAT
5472	DNA; Synthetic Construct	ATGAATATTTAATtgctttATGAATATTTAATtgatctATGAATATTTAATtacgct ATGAATATTTAATtgccgctATGAATATTTAATtgctttATGAATATTTAATtgatc tATGAATATTTAATtacgctATGAATATTTAAT
5473	DNA; Synthetic Construct	ATTAAATATTCATtgctttATTAAATATTCATtgatctATTAAATATTCATtacgct ATTAAATATTCATtgccgctATTAAATATTCATtgctttATTAAATATTCATtgatc tATTAAATATTCATtacgctATTAAATATTCAT
5474	DNA; Synthetic Construct	ATGCATAATTAATtgctttATGCATAATTAATtgatctATGCATAATTAATtacgct ATGCATAATTAATtgccgctATGCATAATTAATtgctttATGCATAATTAATtgatc tATGCATAATTAATtacgctATGCATAATTAAT
5475	DNA; Synthetic Construct	ATTAATTATGCATtgctttATTAATTATGCATtgatctATTAATTATGCATtacgct ATTAATTATGCATtgccgctATTAATTATGCATtgctttATTAATTATGCATtgatc tATTAATTATGCATtacgctATTAATTATGCAT
5476	DNA; Synthetic Construct	ATGCATATTTAATtgctttATGCATATTTAATtgatctATGCATATTTAATtacgct ATGCATATTTAATtgccgctATGCATATTTAATtgctttATGCATATTTAATtgatc tATGCATATTTAATtacgctATGCATATTTAAT
5477	DNA; Synthetic Construct	ATTAAATATGCATtgctttATTAAATATGCATtgatctATTAAATATGCATtacgct ATTAAATATGCATtgccgctATTAAATATGCATtgctttATTAAATATGCATtgatc tATTAAATATGCATtacgctATTAAATATGCAT
5478	DNA; Synthetic Construct	AACTGGTTTTacgctAACTGGTTTTgccgctAACTGGTTTTgctttAACTGGTTTTg atctAACTGGTTTTacgctAACTGGTTTTgccgctAACTGGTTTTgctttAACTGGT TTTgatctAACTGGTTTTacgctAACTGGTTT
5479	DNA; Synthetic Construct	AAACCAGTTTacgctAAACCAGTTTgccgctAAACCAGTTTgctttAAACCAGTTTg atctAAACCAGTTTacgctAAACCAGTTTgccgctAAACCAGTTTgctttAAACCAG TTTgatctAAACCAGTTTacgctAAACCAGTT

5480	DNA; Synthetic Construct	CGACCACCGAAtgccgctCGACCACCGAAtgctttCGACCACCGAAtgatctCGACC ACCGAAtacgctCGACCACCGAAtgccgctCGACCACCGAAtgctttCGACCACCGA AtgatctCGACCACCGAAtacgctCGACCACCGAA
5481	DNA; Synthetic Construct	TTCGGTGGTCGtgccgctTTCGGTGGTCGtgctttTTCGGTGGTCGtgatctTTCGG TGGTCGtacgctTTCGGTGGTCGtgccgctTTCGGTGGTCGtgctttTTCGGTGGTC Gtgatctttcggtggtcgtacgctttcggtggtcg
5482	DNA; Synthetic Construct	AAAGTCAAAAGTCAtgatctAAAGTCAAAAGTCAtacgctAAAGTCAAAAGTCAtgc cgctAAAGTCAAAAGTCAtgctttAAAGTCAAAAGTCAtgatctAAAGTCAAAAGTC AtacgctAAAGTCAAAAGTCA
5483	DNA; Synthetic Construct	TGACTTTTGACTTTtgatctTGACTTTTGACTTTtacgctTGACTTTTGACTTTtgc cgctTGACTTTTGACTTTtgctttTGACTTTTGACTTTtgatctTGACTTTTGACTT TtacgctTGACTTTTGACTTT
5484	DNA; Synthetic Construct	GTCGTAAAAtacgctGTCGTAAAAtgccgctGTCGTAAAAtgctttGTCGTAAAAtg atctGTCGTAAAAtacgctGTCGTAAAAtgccgctGTCGTAAAAtgctttGTCGTAA AAtgatctGTCGTAAAAtacgctGTCGTAAAA
5485	DNA; Synthetic Construct	TTTTACGACtacgctTTTTACGACtgccgctTTTTACGACtgctttTTTTACGACtg atctTTTTACGACtacgctTTTTACGACtgccgctTTTTACGACtgctttTTTTACG ACtgatctTTTTACGACtacgctTTTTACGAC
5486	DNA; Synthetic Construct	AGGTGTGAtacgctAGGTGTGAtgccgctAGGTGTGAtgctttAGGTGTGAtgatct AGGTGTGAtacgctAGGTGTGAtgccgctAGGTGTGAtgctttAGGTGTGAtgatct AGGTGTGAtacgctAGGTGTGA
5487	DNA; Synthetic Construct	TCACACCTtacgctTCACACCTtgccgctTCACACCTtgctttTCACACCTtgatct TCACACCTtacgctTCACACCTtgccgctTCACACCTtgctttTCACACCTtgatct TCACACCTtacgctTCACACCT
5488	DNA; Synthetic Construct	AGGTGTCAtacgctAGGTGTCAtgccgctAGGTGTCAtgctttAGGTGTCAtgatct AGGTGTCAtacgctAGGTGTCAtgccgctAGGTGTCAtgctttAGGTGTCAtgatct AGGTGTCAtacgctAGGTGTCA
5489	DNA; Synthetic Construct	TGACACCTtacgctTGACACCTtgccgctTGACACCTtgctttTGACACCTtgatct TGACACCTtacgctTGACACCTtgccgctTGACACCTtgctttTGACACCTtgatct TGACACCTtacgctTGACACCT
5490	DNA; Synthetic Construct	ACTCACAGGCCCtgctttACTCACAGGCCCtgatctACTCACAGGCCCtacgctACT CACAGGCCCtgccgctACTCACAGGCCCtgctttACTCACAGGCCCtgatctACTCA CAGGCCCtacgctACTCACAGGCCC
5491	DNA; Synthetic Construct	GGGCCTGTGAGTtgctttGGGCCTGTGAGTtgatctGGGCCTGTGAGTtacgctGGG CCTGTGAGTtgccgctGGGCCTGTGAGTtgctttGGGCCTGTGAGTtgatctGGGCC TGTGAGTtacgctGGGCCTGTGAGT
5492	DNA; Synthetic Construct	ACTCACAGGTCCtgctttACTCACAGGTCCtgatctACTCACAGGTCCtacgctACT CACAGGTCCtgccgctACTCACAGGTCCtgctttACTCACAGGTCCtgatctACTCA CAGGTCCtacgctACTCACAGGTCC
5493	DNA; Synthetic Construct	GGACCTGTGAGTtgctttGGACCTGTGAGTtgatctGGACCTGTGAGTtacgctGGA CCTGTGAGTtgccgctGGACCTGTGAGTtgctttGGACCTGTGAGTtgatctGGACC TGTGAGTtacgctGGACCTGTGAGT
5494	DNA; Synthetic Construct	GCTCACAGGCCCtgctttGCTCACAGGCCCtgatctGCTCACAGGCCCtacgctGCT CACAGGCCCtgccgctGCTCACAGGCCCtgctttGCTCACAGGCCCtgatctGCTCA CAGGCCCtacgctGCTCACAGGCCC
5495	DNA; Synthetic Construct	GGGCCTGTGAGCtgctttGGGCCTGTGAGCtgatctGGGCCTGTGAGCtacgctGGG CCTGTGAGCtgccgctGGGCCTGTGAGCtgctttGGGCCTGTGAGCtgatctGGGCC TGTGAGCtacgctGGGCCTGTGAGC
5496	DNA; Synthetic Construct	GCTCACAGGTCCtgctttGCTCACAGGTCCtgatctGCTCACAGGTCCtacgctGCT CACAGGTCCtgccgctGCTCACAGGTCCtgctttGCTCACAGGTCCtgatctGCTCA CAGGTCCtacgctGCTCACAGGTCC
5497	DNA; Synthetic Construct	GGACCTGTGAGCtgctttGGACCTGTGAGCtgatctGGACCTGTGAGCtacgctGGA CCTGTGAGCtgccgctGGACCTGTGAGCtgctttGGACCTGTGAGCtgatctGGACC TGTGAGCtacgctGGACCTGTGAGC

5498	DNA; Synthetic Construct	GTCATCAtgatctGTCATCAtacgctGTCATCAtgccgctGTCATCAtgctttGTCA TCAtgatctGTCATCAtacgctGTCATCAtgccgctGTCATCAtgctttGTCATCAt gatctGTCATCAtacgctGTCATCA
5499	DNA; Synthetic Construct	TGATGACtgatctTGATGACtacgcttGATGACtgccgcttGATGACtgctttTGAT GACtgatctTGATGACtacgctTGATGACtgccgctTGATGACtgctttTGATGACt gatctTGATGACtacgctTGATGAC
5500	DNA; Synthetic Construct	GTCATCGtgatctGTCATCGtacgctGTCATCGtgccgctGTCATCGtgctttGTCA TCGtgatctGTCATCGtacgctGTCATCGtgccgctGTCATCGtgctttGTCATCGt gatctGTCATCGtacgctGTCATCG
5501	DNA; Synthetic Construct	CGATGACtgatctCGATGACtacgctCGATGACtgccgctCGATGACtgctttCGAT GACtgatctCGATGACtacgctCGATGACtgccgctCGATGACtgctttCGATGACt gatctCGATGACtacgctCGATGAC
5502	DNA; Synthetic Construct	TTTAACGACtacgctTTTAACGACtgccgctTTTAACGACtgctttTTTAACGACtg atctTTTAACGACtacgctTTTAACGACtgccgctTTTAACGACtgctttTTTAACG ACtgatctTTTAACGACtacgctTTTAACGAC
5503	DNA; Synthetic Construct	GTCGTTAAAtacgctGTCGTTAAAtgccgctGTCGTTAAAtgctttGTCGTTAAAtg atctGTCGTTAAAtacgctGTCGTTAAAtgccgctGTCGTTAAAtgctttGTCGTTA AAtgatctGTCGTTAAAtacgctGTCGTTAAA
5504	DNA; Synthetic Construct	TTTTACGACtacgctTTTTACGACtgccgctTTTTACGACtgctttTTTTACGACtg atctTTTTACGACtacgctTTTTACGACtgccgctTTTTACGACtgctttTTTTACG ACtgatctTTTTACGACtacgctTTTTACGAC
5505	DNA; Synthetic Construct	GTCGTAAAAtacgctGTCGTAAAAtgccgctGTCGTAAAAtgctttGTCGTAAAAtg atctGTCGTAAAAtacgctGTCGTAAAAtgccgctGTCGTAAAAtgctttGTCGTAA AAtgatctGTCGTAAAAtacgctGTCGTAAAA
5506	DNA; Synthetic Construct	AGTCGTAAAAtgccgctAGTCGTAAAAtgctttAGTCGTAAAAtgatctAGTCGTAA AAtacgctAGTCGTAAAAtgccgctAGTCGTAAAAtgctttAGTCGTAAAAtgatct AGTCGTAAAAtacgctAGTCGTAAAA
5507	DNA; Synthetic Construct	TTTTACGACTtgccgctTTTTACGACTtgctttTTTTACGACTtgatctTTTTACGA CTtacgctTTTTACGACTtgccgctTTTTACGACTtgctttTTTTACGACTtgatct TTTTACGACTtacgctTTTTACGACT
5508	DNA; Synthetic Construct	GGTCGTAAAAtgccgctGGTCGTAAAAtgctttGGTCGTAAAAtgatctGGTCGTAA AAtacgctGGTCGTAAAAtgccgctGGTCGTAAAAtgctttGGTCGTAAAAtgatct GGTCGTAAAAtacgctGGTCGTAAAA
5509	DNA; Synthetic Construct	TTTTACGACCtgccgctTTTTACGACCtgctttTTTTACGACCtgatctTTTTACGA CCtacgctTTTTACGACCtgccgctTTTTACGACCtgctttTTTTACGACCtgatct TTTTACGACCtacgctTTTTACGACC
5510	DNA; Synthetic Construct	GGTGAGTCATtgccgctGGTGAGTCATtgctttGGTGAGTCATtgatctGGTGAGTC ATtacgctGGTGAGTCATtgccgctGGTGAGTCATtgctttGGTGAGTCATtgatct GGTGAGTCATtacgctGGTGAGTCAT
5511	DNA; Synthetic Construct	ATGACTCACCtgccgctATGACTCACCtgctttATGACTCACCtgatctATGACTCA CCtacgctATGACTCACCtgccgctATGACTCACCtgctttATGACTCACCtgatct ATGACTCACCtacgctATGACTCACC
5512	DNA; Synthetic Construct	GGTGACTCATtgccgctGGTGACTCATtgctttGGTGACTCATtgatctGGTGACTC ATtacgctGGTGACTCATtgccgctGGTGACTCATtgctttGGTGACTCATtgatct GGTGACTCATtacgctGGTGACTCAT
5513	DNA; Synthetic Construct	ATGAGTCACCtgccgctATGAGTCACCtgctttATGAGTCACCtgatctATGAGTCA CCtacgctATGAGTCACCtgccgctATGAGTCACCtgctttATGAGTCACCtgatct ATGAGTCACCtacgctATGAGTCACC
5514	DNA; Synthetic Construct	CACATGGCGCCCAACATGGGACtgccgctCACATGGCGCCCAACATGGGACtgcttt CACATGGCGCCCAACATGGGACtgatctCACATGGCGCCCAACATGGGACtacgctC ACATGGCGCCCAACATGGGAC
5515	DNA; Synthetic Construct	GTCCCATGTTGGGCGCCATGTGtgccgctGTCCCATGTTGGGCGCCATGTGtgcttt GTCCCATGTTGGGCGCCATGTGtgatctGTCCCATGTTGGGCGCCATGTGtacgctG TCCCATGTTGGGCGCCATGTG

5516	DNA; Synthetic Construct	CACATGGCGCCCAACATTGGACtgccgctCACATGGCGCCCAACATTGGACtgcttt CACATGGCGCCCAACATTGGACtgatctCACATGGCGCCCAACATTGGACtacgctC ACATGGCGCCCAACATTGGAC
5517	DNA; Synthetic Construct	GTCCAATGTTGGGCGCCATGTGtgccgctGTCCAATGTTGGGCGCCATGTGtgcttt GTCCAATGTTGGGCGCCATGTGtgatctGTCCAATGTTGGGCGCCATGTGtacgctG TCCAATGTTGGGCGCCATGTG
5518	DNA; Synthetic Construct	TGACGTCACtacgctTGACGTCACtgccgctTGACGTCACtgctttTGACGTCACtg atcttGACGTCACtacgctTGACGTCACtgccgctTGACGTCACtgctttTGACGTC ACtgatcttGACGTCACtacgctTGACGTCAC
5519	DNA; Synthetic Construct	GTGACGTCAtacgctGTGACGTCAtgccgctGTGACGTCAtgctttGTGACGTCAtg atctGTGACGTCAtacgctGTGACGTCAtgccgctGTGACGTCAtgctttGTGACGT CAtgatctGTGACGTCAtacgctGTGACGTCA
5520	DNA; Synthetic Construct	TGACGTCATtacgctTGACGTCATtgccgctTGACGTCATtgctttTGACGTCATtg atcttGACGTCATtacgctTGACGTCATtgccgctTGACGTCATtgctttTGACGTC ATtgatcttGACGTCATtacgctTGACGTCAT
5521	DNA; Synthetic Construct	ATGACGTCAtacgctATGACGTCAtgccgctATGACGTCAtgctttATGACGTCAtg atctATGACGTCAtacgctATGACGTCAtgccgctATGACGTCAtgctttATGACGT CAtgatctATGACGTCAtacgctATGACGTCA
5522	DNA; Synthetic Construct	TGGCGTCACtacgctTGGCGTCACtgccgctTGGCGTCACtgctttTGGCGTCACtg atcttGGCGTCACtacgctTGGCGTCACtgccgctTGGCGTCACtgctttTGGCGTC ACtgatcttGGCGTCACtacgctTGGCGTCAC
5523	DNA; Synthetic Construct	GTGACGCCAtacgctGTGACGCCAtgccgctGTGACGCCAtgctttGTGACGCCAtg atctGTGACGCCAtacgctGTGACGCCAtgccgctGTGACGCCAtgctttGTGACGC CAtgatctGTGACGCCAtacgctGTGACGCCA
5524	DNA; Synthetic Construct	TGGCGTCATtacgctTGGCGTCATtgccgctTGGCGTCATtgctttTGGCGTCATtg atcttGGCGTCATtacgctTGGCGTCATtgccgctTGGCGTCATtgctttTGGCGTC ATtgatcttGGCGTCATtacgctTGGCGTCAT
5525	DNA; Synthetic Construct	ATGACGCCAtacgctATGACGCCAtgccgctATGACGCCAtgctttATGACGCCAtg atctATGACGCCAtacgctATGACGCCAtgccgctATGACGCCAtgctttATGACGC CAtgatctATGACGCCAtacgctATGACGCCA
5526	DNA; Synthetic Construct	TTACGTCACtacgctTTACGTCACtgccgctTTACGTCACtgctttTTACGTCACtg atcttTTACGTCACtacgctTTACGTCACtgccgctTTACGTCACtgctttTTACGTC ACtgatcttTTACGTCACtacgctTTACGTCAC
5527	DNA; Synthetic Construct	GTGACGTAAtacgctGTGACGTAAtgccgctGTGACGTAAtgctttGTGACGTAAtg atctGTGACGTAAtacgctGTGACGTAAtgccgctGTGACGTAAtgctttGTGACGT AAtgatctGTGACGTAAtacgctGTGACGTAA
5528	DNA; Synthetic Construct	TTACGTCATtacgctTTACGTCATtgccgctTTACGTCATtgctttTTACGTCATtg atcttTTACGTCATtacgctTTACGTCATtgccgctTTACGTCATtgctttTTACGTC ATtgatcttTTACGTCATtacgctTTACGTCAT
5529	DNA; Synthetic Construct	ATGACGTAAtacgctATGACGTAAtgccgctATGACGTAAtgctttATGACGTAAtg atctATGACGTAAtacgctATGACGTAAtgccgctATGACGTAAtgctttATGACGT AAtgatctATGACGTAAtacgctATGACGTAA
5530	DNA; Synthetic Construct	TTGCGTCACtacgctTTGCGTCACtgccgctTTGCGTCACtgctttTTGCGTCACtg atcttTTGCGTCACtacgctTTGCGTCACtgccgctTTGCGTCACtgctttTTGCGTC ACtgatcttTTGCGTCACtacgctTTGCGTCAC
5531	DNA; Synthetic Construct	GTGACGCAAtacgctGTGACGCAAtgccgctGTGACGCAAtgctttGTGACGCAAtg atctGTGACGCAAtacgctGTGACGCAAtgccgctGTGACGCAAtgctttGTGACGC AAtgatctGTGACGCAAtacgctGTGACGCAA
5532	DNA; Synthetic Construct	TTGCGTCATtacgctTTGCGTCATtgccgctTTGCGTCATtgctttTTGCGTCATtg atcttTTGCGTCATtacgctTTGCGTCATtgccgctTTGCGTCATtgctttTTGCGTC ATtgatcttTTGCGTCATtacgctTTGCGTCAT
5533	DNA; Synthetic Construct	ATGACGCAAtacgctATGACGCAAtgccgctATGACGCAAtgctttATGACGCAAtg atctATGACGCAAtacgctATGACGCAAtgccgctATGACGCAAtgctttATGACGC AAtgatctATGACGCAAtacgctATGACGCAA

5534	DNA; Synthetic Construct	TTAACCCTTTAGGGtgatctTTAACCCTTTAGGGtacgctTTAACCCTTTAGGGtgc cgctTTAACCCTTTAGGGtgctttTTAACCCTTTAGGGtgatctTTAACCCTTTAGG GtacgctTTAACCCTTTAGGG
5535	DNA; Synthetic Construct	CCCTAAAGGGTTAAtgatctCCCTAAAGGGTTAAtacgctCCCTAAAGGGTTAAtgc cgctCCCTAAAGGGTTAAtgctttCCCTAAAGGGTTAAtgatctCCCTAAAGGGTTA AtacgctCCCTAAAGGGTTAA
5536	DNA; Synthetic Construct	TTAACCCTTTAGGTtgatctTTAACCCTTTAGGTtacgctTTAACCCTTTAGGTtgc cgctTTAACCCTTTAGGTtgctttTTAACCCTTTAGGTtgatctTTAACCCTTTAGG TtacgctTTAACCCTTTAGGT
5537	DNA; Synthetic Construct	ACCTAAAGGGTTAAtgatctACCTAAAGGGTTAAtacgctACCTAAAGGGTTAAtgc cgctACCTAAAGGGTTAAtgctttACCTAAAGGGTTAAtgatctACCTAAAGGGTTA AtacgctACCTAAAGGGTTAA
5538	DNA; Synthetic Construct	TTAACCCTTTAGTGtgatctTTAACCCTTTAGTGtacgctTTAACCCTTTAGTGtgc cgctTTAACCCTTTAGTGtgctttTTAACCCTTTAGTGtgatctTTAACCCTTTAGT GtacgctTTAACCCTTTAGTG
5539	DNA; Synthetic Construct	CACTAAAGGGTTAAtgatctCACTAAAGGGTTAAtacgctCACTAAAGGGTTAAtgc cgctCACTAAAGGGTTAAtgctttCACTAAAGGGTTAAtgatctCACTAAAGGGTTA AtacgctCACTAAAGGGTTAA
5540	DNA; Synthetic Construct	TTAACCCTTTAGTTtgatctTTAACCCTTTAGTTtacgctTTAACCCTTTAGTTtgc cgctTTAACCCTTTAGTTtgctttTTAACCCTTTAGTTtgatctTTAACCCTTTAGT TtacgctTTAACCCTTTAGTT
5541	DNA; Synthetic Construct	AACTAAAGGGTTAAtgatctAACTAAAGGGTTAAtacgctAACTAAAGGGTTAAtgc cgctAACTAAAGGGTTAAtgctttAACTAAAGGGTTAAtgatctAACTAAAGGGTTA AtacgctAACTAAAGGGTTAA
5542	DNA; Synthetic Construct	TTAACCCTTTCGGGtgatctTTAACCCTTTCGGGtacgctTTAACCCTTTCGGGtgc cgctTTAACCCTTTCGGGtgctttTTAACCCTTTCGGGtgatctTTAACCCTTTCGG GtacgctTTAACCCTTTCGGG
5543	DNA; Synthetic Construct	CCCGAAAGGGTTAAtgatctCCCGAAAGGGTTAAtacgctCCCGAAAGGGTTAAtgc cgctCCCGAAAGGGTTAAtgctttCCCGAAAGGGTTAAtgatctCCCGAAAGGGTTA AtacgctCCCGAAAGGGTTAA
5544	DNA; Synthetic Construct	TTAACCCTTTCGGTtgatctTTAACCCTTTCGGTtacgctTTAACCCTTTCGGTtgc cgctTTAACCCTTTCGGTtgctttTTAACCCTTTCGGTtgatctTTAACCCTTTCGG TtacgctTTAACCCTTTCGGT
5545	DNA; Synthetic Construct	ACCGAAAGGGTTAAtgatctACCGAAAGGGTTAAtacgctACCGAAAGGGTTAAtgc cgctACCGAAAGGGTTAAtgctttACCGAAAGGGTTAAtgatctACCGAAAGGGTTA AtacgctACCGAAAGGGTTAA
5546	DNA; Synthetic Construct	TTAACCCTTTCGTGtgatctTTAACCCTTTCGTGtacgctTTAACCCTTTCGTGtgc cgctTTAACCCTTTCGTGtgctttTTAACCCTTTCGTGtgatctTTAACCCTTTCGT GtacgctTTAACCCTTTCGTG
5547	DNA; Synthetic Construct	CACGAAAGGGTTAAtgatctCACGAAAGGGTTAAtacgctCACGAAAGGGTTAAtgc cgctCACGAAAGGGTTAAtgctttCACGAAAGGGTTAAtgatctCACGAAAGGGTTA AtacgctCACGAAAGGGTTAA
5548	DNA; Synthetic Construct	TTAACCCTTTCGTTtgatctTTAACCCTTTCGTTtacgctTTAACCCTTTCGTTtgc cgctTTAACCCTTTCGTTtgctttTTAACCCTTTCGTTtgatctTTAACCCTTTCGT TtacgctTTAACCCTTTCGTT
5549	DNA; Synthetic Construct	AACGAAAGGGTTAAtgatctAACGAAAGGGTTAAtacgctAACGAAAGGGTTAAtgc cgctAACGAAAGGGTTAAtgctttAACGAAAGGGTTAAtgatctAACGAAAGGGTTA AtacgctAACGAAAGGGTTAA
5550	DNA; Synthetic Construct	TTAACCCTTTGGGGtgatctTTAACCCTTTGGGGtacgctTTAACCCTTTGGGGtgc cgctTTAACCCTTTGGGGtgctttTTAACCCTTTGGGGtgatctTTAACCCTTTGGG GtacgctTTAACCCTTTGGGG
5551	DNA; Synthetic Construct	CCCCAAAGGGTTAAtgatctCCCCAAAGGGTTAAtacgctCCCCAAAGGGTTAAtgc cgctCCCCAAAGGGTTAAtgctttCCCCAAAGGGTTAAtgatctCCCCAAAGGGTTA AtacgctCCCCAAAGGGTTAA

5552	DNA; Synthetic Construct	TTAACCCTTTGGGTtgatctTTAACCCTTTGGGTtacgctTTAACCCTTTGGGTtgc cgctTTAACCCTTTGGGTtgctttTTAACCCTTTGGGTtgatctTTAACCCTTTGGG TtacgctTTAACCCTTTGGGT
5553	DNA; Synthetic Construct	ACCCAAAGGGTTAAtgatctACCCAAAGGGTTAAtacgctACCCAAAGGGTTAAtgc cgctACCCAAAGGGTTAAtgctttACCCAAAGGGTTAAtgatctACCCAAAGGGTTA AtacgctACCCAAAGGGTTAA
5554	DNA; Synthetic Construct	TTAACCCTTTGGTGtgatctTTAACCCTTTGGTGtacgctTTAACCCTTTGGTGtgc cgctTTAACCCTTTGGTGtgctttTTAACCCTTTGGTGtgatctTTAACCCTTTGGT GtacgctTTAACCCTTTGGTG
5555	DNA; Synthetic Construct	CACCAAAGGGTTAAtgatctCACCAAAGGGTTAAtacgctCACCAAAGGGTTAAtgc cgctCACCAAAGGGTTAAtgctttCACCAAAGGGTTAAtgatctCACCAAAGGGTTA AtacgctCACCAAAGGGTTAA
5556	DNA; Synthetic Construct	TTAACCCTTTGGTTtgatctTTAACCCTTTGGTTtacgctTTAACCCTTTGGTTtgc cgctTTAACCCTTTGGTTtgctttTTAACCCTTTGGTTtgatctTTAACCCTTTGGT TtacgctTTAACCCTTTGGTT
5557	DNA; Synthetic Construct	AACCAAAGGGTTAAtgatctAACCAAAGGGTTAAtacgctAACCAAAGGGTTAAtgc cgctAACCAAAGGGTTAAtgctttAACCAAAGGGTTAAtgatctAACCAAAGGGTTA AtacgctAACCAAAGGGTTAA
5558	DNA; Synthetic Construct	ATGACGTCACtgccgctATGACGTCACtgctttATGACGTCACtgatctATGACGTC ACtacgctATGACGTCACtgccgctATGACGTCACtgctttATGACGTCACtgatct ATGACGTCACtacgctATGACGTCAC
5559	DNA; Synthetic Construct	GTGACGTCATtgccgctGTGACGTCATtgctttGTGACGTCATtgatctGTGACGTC ATtacgctGTGACGTCATtgccgctGTGACGTCATtgctttGTGACGTCATtgatct GTGACGTCATtacgctGTGACGTCAT
5560	DNA; Synthetic Construct	ATGACGTCATtgccgctATGACGTCATtgctttATGACGTCATtgatctATGACGTC ATtacgctATGACGTCATtgccgctATGACGTCATtgctttATGACGTCATtgatct ATGACGTCATtacgctATGACGTCAT
5561	DNA; Synthetic Construct	ATGACGTCATtgccgctATGACGTCATtgctttATGACGTCATtgatctATGACGTC ATtacgctATGACGTCATtgccgctATGACGTCATtgctttATGACGTCATtgatct ATGACGTCATtacgctATGACGTCAT
5562	DNA; Synthetic Construct	AATGGTTCTGCTtgctttAATGGTTCTGCTtgatctAATGGTTCTGCTtacgctAAT GGTTCTGCTtgccgctAATGGTTCTGCTtgctttAATGGTTCTGCTtgatctAATGG TTCTGCTtacgctAATGGTTCTGCT
5563	DNA; Synthetic Construct	AGCAGAACCATTtgctttAGCAGAACCATTtgatctAGCAGAACCATTtacgctAGC AGAACCATTtgccgctAGCAGAACCATTtgctttAGCAGAACCATTtgatctAGCAG AACCATTtacgctAGCAGAACCATT
5564	DNA; Synthetic Construct	AATTGTTCTGCTtgctttAATTGTTCTGCTtgatctAATTGTTCTGCTtacgctAAT TGTTCTGCTtgccgctAATTGTTCTGCTtgctttAATTGTTCTGCTtgatctAATTG TTCTGCTtacgctAATTGTTCTGCT
5565	DNA; Synthetic Construct	AGCAGAACAATTtgctttAGCAGAACAATTtgatctAGCAGAACAATTtacgctAGC AGAACAATTtgccgctAGCAGAACAATTtgctttAGCAGAACAATTtgatctAGCAG AACAATTtacgctAGCAGAACAATT
5566	DNA; Synthetic Construct	AGTGGTTCTGCTtgctttAGTGGTTCTGCTtgatctAGTGGTTCTGCTtacgctAGT GGTTCTGCTtgccgctAGTGGTTCTGCTtgctttAGTGGTTCTGCTtgatctAGTGG TTCTGCTtacgctAGTGGTTCTGCT
5567	DNA; Synthetic Construct	AGCAGAACCACTtgctttAGCAGAACCACTtgatctAGCAGAACCACTtacgctAGC AGAACCACTtgccgctAGCAGAACCACTtgctttAGCAGAACCACTtgatctAGCAG AACCACTtacgctAGCAGAACCACT
5568	DNA; Synthetic Construct	AGTTGTTCTGCTtgctttAGTTGTTCTGCTtgatctAGTTGTTCTGCTtacgctAGT TGTTCTGCTtgccgctAGTTGTTCTGCTtgctttAGTTGTTCTGCTtgatctAGTTG TTCTGCTtacgctAGTTGTTCTGCT
5569	DNA; Synthetic Construct	AGCAGAACAACTtgctttAGCAGAACAACTtgatctAGCAGAACAACTtacgctAGC AGAACAACTtgccgctAGCAGAACAACTtgctttAGCAGAACAACTtgatctAGCAG AACAACTtacgctAGCAGAACAACT

5570	DNA; Synthetic Construct	TGACAGGTGTCAtgctttTGACAGGTGTCAtgatctTGACAGGTGTCAtacgctTGA CAGGTGTCAtgccgctTGACAGGTGTCAtgctttTGACAGGTGTCAtgatctTGACA GGTGTCAtacgctTGACAGGTGTCA
5571	DNA; Synthetic Construct	TGACACCTGTCAtgctttTGACACCTGTCAtgatctTGACACCTGTCAtacgctTGA CACCTGTCAtgccgctTGACACCTGTCAtgctttTGACACCTGTCAtgatctTGACA CCTGTCAtacgctTGACACCTGTCA
5572	DNA; Synthetic Construct	CGTCTAGACAtgccgctCGTCTAGACAtgctttCGTCTAGACAtgatctCGTCTAGA CAtacgctCGTCTAGACAtgccgctCGTCTAGACAtgctttCGTCTAGACAtgatct CGTCTAGACAtacgctCGTCTAGACA
5573	DNA; Synthetic Construct	TGTCTAGACGtgccgctTGTCTAGACGtgctttTGTCTAGACGtgatctTGTCTAGA CGtacgctTGTCTAGACGtgccgctTGTCTAGACGtgctttTGTCTAGACGtgatct TGTCTAGACGtacgctTGTCTAGACG
5574	DNA; Synthetic Construct	TGTCTAGACAtgccgctTGTCTAGACAtgctttTGTCTAGACAtgatctTGTCTAGA CAtacgctTGTCTAGACAtgccgctTGTCTAGACAtgctttTGTCTAGACAtgatct TGTCTAGACAtacgctTGTCTAGACA
5575	DNA; Synthetic Construct	TGTCTAGACAtgccgctTGTCTAGACAtgctttTGTCTAGACAtgatctTGTCTAGA CAtacgctTGTCTAGACAtgccgctTGTCTAGACAtgctttTGTCTAGACAtgatct TGTCTAGACAtacgctTGTCTAGACA
5576	DNA; Synthetic Construct	GGTTGCCATGGCAAtgatctGGTTGCCATGGCAAtacgctGGTTGCCATGGCAAtgc cgctGGTTGCCATGGCAAtgctttGGTTGCCATGGCAAtgatctGGTTGCCATGGCA AtacgctGGTTGCCATGGCAA
5577	DNA; Synthetic Construct	TTGCCATGGCAACCtgatctTTGCCATGGCAACCtacgctTTGCCATGGCAACCtgc cgctTTGCCATGGCAACCtgctttTTGCCATGGCAACCtgatctTTGCCATGGCAAC CtacgctTTGCCATGGCAACC
5578	DNA; Synthetic Construct	GTCGTAAAAtacgctGTCGTAAAAtgccgctGTCGTAAAAtgctttGTCGTAAAAtg atctGTCGTAAAAtacgctGTCGTAAAAtgccgctGTCGTAAAAtgctttGTCGTAA AAtgatctGTCGTAAAAtacgctGTCGTAAAA
5579	DNA; Synthetic Construct	TTTTACGACtacgctTTTTACGACtgccgctTTTTACGACtgctttTTTTACGACtg atctTTTTACGACtacgctTTTTACGACtgccgctTTTTACGACtgctttTTTTACG ACtgatctTTTTACGACtacgctTTTTACGAC
5580	DNA; Synthetic Construct	ACCAGTGTAATAATTtgatctACCAGTGTAATAATTtacgctACCAGTGTAATAATT tgccgctACCAGTGTAATAATTtgctttACCAGTGTAATAATTtgatctACCAGTGT AATAATTtacgctACCAGTGTAATAATT
5581	DNA; Synthetic Construct	AATTATTACACTGGTtgatctAATTATTACACTGGTtacgctAATTATTACACTGGT tgccgctAATTATTACACTGGTtgctttAATTATTACACTGGTtgatctAATTATTA CACTGGTtacgctAATTATTACACTGGT
5582	DNA; Synthetic Construct	ACCAGTGTAATCATTtgatctACCAGTGTAATCATTtacgctACCAGTGTAATCATT tgccgctACCAGTGTAATCATTtgctttACCAGTGTAATCATTtgatctACCAGTGT AATCATTtacgctACCAGTGTAATCATT
5583	DNA; Synthetic Construct	AATGATTACACTGGTtgatctAATGATTACACTGGTtacgctAATGATTACACTGGT tgccgctAATGATTACACTGGTtgctttAATGATTACACTGGTtgatctAATGATTA CACTGGTtacgctAATGATTACACTGGT
5584	DNA; Synthetic Construct	ACCAGTGTAGTAATTtgatctACCAGTGTAGTAATTtacgctACCAGTGTAGTAATT tgccgctACCAGTGTAGTAATTtgctttACCAGTGTAGTAATTtgatctACCAGTGT AGTAATTtacgctACCAGTGTAGTAATT
5585	DNA; Synthetic Construct	AATTACTACACTGGTtgatctAATTACTACACTGGTtacgctAATTACTACACTGGT tgccgctAATTACTACACTGGTtgctttAATTACTACACTGGTtgatctAATTACTA CACTGGTtacgctAATTACTACACTGGT
5586	DNA; Synthetic Construct	ACCAGTGTAGTCATTtgatctACCAGTGTAGTCATTtacgctACCAGTGTAGTCATT tgccgctACCAGTGTAGTCATTtgctttACCAGTGTAGTCATTtgatctACCAGTGT AGTCATTtacgctACCAGTGTAGTCATT
5587	DNA; Synthetic Construct	AATGACTACACTGGTtgatctAATGACTACACTGGTtacgctAATGACTACACTGGT tgccgctAATGACTACACTGGTtgctttAATGACTACACTGGTtgatctAATGACTA CACTGGTtacgctAATGACTACACTGGT

5588	DNA; Synthetic Construct	ACCAGTGTGATAATTtgatctACCAGTGTGATAATTtacgctACCAGTGTGATAATT tgccgctACCAGTGTGATAATTtgctttACCAGTGTGATAATTtgatctACCAGTGT GATAATTtacgctACCAGTGTGATAATT
5589	DNA; Synthetic Construct	AATTATCACACTGGTtgatctAATTATCACACTGGTtacgctAATTATCACACTGGT tgccgctAATTATCACACTGGTtgctttAATTATCACACTGGTtgatctAATTATCA CACTGGTtacgctAATTATCACACTGGT
5590	DNA; Synthetic Construct	ACCAGTGTGATCATTtgatctACCAGTGTGATCATTtacgctACCAGTGTGATCATT tgccgctACCAGTGTGATCATTtgctttACCAGTGTGATCATTtgatctACCAGTGT GATCATTtacgctACCAGTGTGATCATT
5591	DNA; Synthetic Construct	AATGATCACACTGGTtgatctAATGATCACACTGGTtacgctAATGATCACACTGGT tgccgctAATGATCACACTGGTtgctttAATGATCACACTGGTtgatctAATGATCA CACTGGTtacgctAATGATCACACTGGT
5592	DNA; Synthetic Construct	ACCAGTGTGGTAATTtgatctACCAGTGTGGTAATTtacgctACCAGTGTGGTAATT tgccgctACCAGTGTGGTAATTtgctttACCAGTGTGGTAATTtgatctACCAGTGT GGTAATTtacgctACCAGTGTGGTAATT
5593	DNA; Synthetic Construct	AATTACCACACTGGTtgatctAATTACCACACTGGTtacgctAATTACCACACTGGT tgccgctAATTACCACACTGGTtgctttAATTACCACACTGGTtgatctAATTACCA CACTGGTtacgctAATTACCACACTGGT
5594	DNA; Synthetic Construct	ACCAGTGTGGTCATTtgatctACCAGTGTGGTCATTtacgctACCAGTGTGGTCATT tgccgctACCAGTGTGGTCATTtgctttACCAGTGTGGTCATTtgatctACCAGTGT GGTCATTtacgctACCAGTGTGGTCATT
5595	DNA; Synthetic Construct	AATGACCACACTGGTtgatctAATGACCACACTGGTtacgctAATGACCACACTGGT tgccgctAATGACCACACTGGTtgctttAATGACCACACTGGTtgatctAATGACCA CACTGGTtacgctAATGACCACACTGGT
5596	DNA; Synthetic Construct	ACCACTGTAATAATTtgatctACCACTGTAATAATTtacgctACCACTGTAATAATT tgccgctACCACTGTAATAATTtgctttACCACTGTAATAATTtgatctACCACTGT AATAATTtacgctACCACTGTAATAATT
5597	DNA; Synthetic Construct	AATTATTACAGTGGTtgatctAATTATTACAGTGGTtacgctAATTATTACAGTGGT tgccgctAATTATTACAGTGGTtgctttAATTATTACAGTGGTtgatctAATTATTA CAGTGGTtacgctAATTATTACAGTGGT
5598	DNA; Synthetic Construct	ACCACTGTAATCATTtgatctACCACTGTAATCATTtacgctACCACTGTAATCATT tgccgctACCACTGTAATCATTtgctttACCACTGTAATCATTtgatctACCACTGT AATCATTtacgctACCACTGTAATCATT
5599	DNA; Synthetic Construct	AATGATTACAGTGGTtgatctAATGATTACAGTGGTtacgctAATGATTACAGTGGT tgccgctAATGATTACAGTGGTtgctttAATGATTACAGTGGTtgatctAATGATTA CAGTGGTtacgctAATGATTACAGTGGT
5600	DNA; Synthetic Construct	ACCACTGTAGTAATTtgatctACCACTGTAGTAATTtacgctACCACTGTAGTAATT tgccgctACCACTGTAGTAATTtgctttACCACTGTAGTAATTtgatctACCACTGT AGTAATTtacgctACCACTGTAGTAATT
5601	DNA; Synthetic Construct	AATTACTACAGTGGTtgatctAATTACTACAGTGGTtacgctAATTACTACAGTGGT tgccgctAATTACTACAGTGGTtgctttAATTACTACAGTGGTtgatctAATTACTA CAGTGGTtacgctAATTACTACAGTGGT
5602	DNA; Synthetic Construct	ACCACTGTAGTCATTtgatctACCACTGTAGTCATTtacgctACCACTGTAGTCATT tgccgctACCACTGTAGTCATTtgctttACCACTGTAGTCATTtgatctACCACTGT AGTCATTtacgctACCACTGTAGTCATT
5603	DNA; Synthetic Construct	AATGACTACAGTGGTtgatctAATGACTACAGTGGTtacgctAATGACTACAGTGGT tgccgctAATGACTACAGTGGTtgctttAATGACTACAGTGGTtgatctAATGACTA CAGTGGTtacgctAATGACTACAGTGGT
5604	DNA; Synthetic Construct	ACCACTGTGATAATTtgatctACCACTGTGATAATTtacgctACCACTGTGATAATT tgccgctACCACTGTGATAATTtgctttACCACTGTGATAATTtgatctACCACTGT GATAATTtacgctACCACTGTGATAATT
5605	DNA; Synthetic Construct	AATTATCACAGTGGTtgatctAATTATCACAGTGGTtacgctAATTATCACAGTGGT tgccgctAATTATCACAGTGGTtgctttAATTATCACAGTGGTtgatctAATTATCA CAGTGGTtacgctAATTATCACAGTGGT

5606	DNA; Synthetic Construct	ACCACTGTGATCATTtgatctACCACTGTGATCATTtacgctACCACTGTGATCATT tgccgctACCACTGTGATCATTtgctttACCACTGTGATCATTtgatctACCACTGT GATCATTtacgctACCACTGTGATCATT
5607	DNA; Synthetic Construct	AATGATCACAGTGGTtgatctAATGATCACAGTGGTtacgctAATGATCACAGTGGT tgccgctAATGATCACAGTGGTtgctttAATGATCACAGTGGTtgatctAATGATCA CAGTGGTtacgctAATGATCACAGTGGT
5608	DNA; Synthetic Construct	ACCACTGTGGTAATTtgatctACCACTGTGGTAATTtacgctACCACTGTGGTAATT tgccgctACCACTGTGGTAATTtgctttACCACTGTGGTAATTtgatctACCACTGT GGTAATTtacgctACCACTGTGGTAATT
5609	DNA; Synthetic Construct	AATTACCACAGTGGTtgatctAATTACCACAGTGGTtacgctAATTACCACAGTGGT tgccgctAATTACCACAGTGGTtgctttAATTACCACAGTGGTtgatctAATTACCA CAGTGGTtacgctAATTACCACAGTGGT
5610	DNA; Synthetic Construct	ACCACTGTGGTCATTtgatctACCACTGTGGTCATTtacgctACCACTGTGGTCATT tgccgctACCACTGTGGTCATTtgctttACCACTGTGGTCATTtgatctACCACTGT GGTCATTtacgctACCACTGTGGTCATT
5611	DNA; Synthetic Construct	AATGACCACAGTGGTtgatctAATGACCACAGTGGTtacgctAATGACCACAGTGGT tgccgctAATGACCACAGTGGTtgctttAATGACCACAGTGGTtgatctAATGACCA CAGTGGTtacgctAATGACCACAGTGGT
5612	DNA; Synthetic Construct	ACTAGTGTAATAATTtgatctACTAGTGTAATAATTtacgctACTAGTGTAATAATT tgccgctACTAGTGTAATAATTtgctttACTAGTGTAATAATTtgatctACTAGTGT AATAATTtacgctACTAGTGTAATAATT
5613	DNA; Synthetic Construct	AATTATTACACTAGTtgatctAATTATTACACTAGTtacgctAATTATTACACTAGT tgccgctAATTATTACACTAGTtgctttAATTATTACACTAGTtgatctAATTATTA CACTAGTtacgctAATTATTACACTAGT
5614	DNA; Synthetic Construct	ACTAGTGTAATCATTtgatctACTAGTGTAATCATTtacgctACTAGTGTAATCATT tgccgctACTAGTGTAATCATTtgctttACTAGTGTAATCATTtgatctACTAGTGT AATCATTtacgctACTAGTGTAATCATT
5615	DNA; Synthetic Construct	AATGATTACACTAGTtgatctAATGATTACACTAGTtacgctAATGATTACACTAGT tgccgctAATGATTACACTAGTtgctttAATGATTACACTAGTtgatctAATGATTA CACTAGTtacgctAATGATTACACTAGT
5616	DNA; Synthetic Construct	ACTAGTGTAGTAATTtgatctACTAGTGTAGTAATTtacgctACTAGTGTAGTAATT tgccgctACTAGTGTAGTAATTtgctttACTAGTGTAGTAATTtgatctACTAGTGT AGTAATTtacgctACTAGTGTAGTAATT
5617	DNA; Synthetic Construct	AATTACTACACTAGTtgatctAATTACTACACTAGTtacgctAATTACTACACTAGT tgccgctAATTACTACACTAGTtgctttAATTACTACACTAGTtgatctAATTACTA CACTAGTtacgctAATTACTACACTAGT
5618	DNA; Synthetic Construct	ACTAGTGTAGTCATTtgatctACTAGTGTAGTCATTtacgctACTAGTGTAGTCATT tgccgctACTAGTGTAGTCATTtgctttACTAGTGTAGTCATTtgatctACTAGTGT AGTCATTtacgctACTAGTGTAGTCATT
5619	DNA; Synthetic Construct	AATGACTACACTAGTtgatctAATGACTACACTAGTtacgctAATGACTACACTAGT tgccgctAATGACTACACTAGTtgctttAATGACTACACTAGTtgatctAATGACTA CACTAGTtacgctAATGACTACACTAGT
5620	DNA; Synthetic Construct	ACTAGTGTGATAATTtgatctACTAGTGTGATAATTtacgctACTAGTGTGATAATT tgccgctACTAGTGTGATAATTtgctttACTAGTGTGATAATTtgatctACTAGTGT GATAATTtacgctACTAGTGTGATAATT
5621	DNA; Synthetic Construct	AATTATCACACTAGTtgatctAATTATCACACTAGTtacgctAATTATCACACTAGT tgccgctAATTATCACACTAGTtgctttAATTATCACACTAGTtgatctAATTATCA CACTAGTtacgctAATTATCACACTAGT
5622	DNA; Synthetic Construct	ACTAGTGTGATCATTtgatctACTAGTGTGATCATTtacgctACTAGTGTGATCATT tgccgctACTAGTGTGATCATTtgctttACTAGTGTGATCATTtgatctACTAGTGT GATCATTtacgctACTAGTGTGATCATT
5623	DNA; Synthetic Construct	AATGATCACACTAGTtgatctAATGATCACACTAGTtacgctAATGATCACACTAGT tgccgctAATGATCACACTAGTtgctttAATGATCACACTAGTtgatctAATGATCA CACTAGTtacgctAATGATCACACTAGT

5624	DNA; Synthetic Construct	ACTAGTGTGGTAATTtgatctACTAGTGTGGTAATTtacgctACTAGTGTGGTAATT tgccgctACTAGTGTGGTAATTtgctttACTAGTGTGGTAATTtgatctACTAGTGT GGTAATTtacgctACTAGTGTGGTAATT
5625	DNA; Synthetic Construct	AATTACCACACTAGTtgatctAATTACCACACTAGTtacgctAATTACCACACTAGT tgccgctAATTACCACACTAGTtgctttAATTACCACACTAGTtgatctAATTACCA CACTAGTtacgctAATTACCACACTAGT
5626	DNA; Synthetic Construct	ACTAGTGTGGTCATTtgatctACTAGTGTGGTCATTtacgctACTAGTGTGGTCATT tgccgctACTAGTGTGGTCATTtgctttACTAGTGTGGTCATTtgatctACTAGTGT GGTCATTtacgctACTAGTGTGGTCATT
5627	DNA; Synthetic Construct	AATGACCACACTAGTtgatctAATGACCACACTAGTtacgctAATGACCACACTAGT tgccgctAATGACCACACTAGTtgctttAATGACCACACTAGTtgatctAATGACCA CACTAGTtacgctAATGACCACACTAGT
5628	DNA; Synthetic Construct	ACTACTGTAATAATTtgatctACTACTGTAATAATTtacgctACTACTGTAATAATT tgccgctACTACTGTAATAATTtgctttACTACTGTAATAATTtgatctACTACTGT AATAATTtacgctACTACTGTAATAATT
5629	DNA; Synthetic Construct	AATTATTACAGTAGTtgatctAATTATTACAGTAGTtacgctAATTATTACAGTAGT tgccgctAATTATTACAGTAGTtgctttAATTATTACAGTAGTtgatctAATTATTA CAGTAGTtacgctAATTATTACAGTAGT
5630	DNA; Synthetic Construct	ACTACTGTAATCATTtgatctACTACTGTAATCATTtacgctACTACTGTAATCATT tgccgctACTACTGTAATCATTtgctttACTACTGTAATCATTtgatctACTACTGT AATCATTtacgctACTACTGTAATCATT
5631	DNA; Synthetic Construct	AATGATTACAGTAGTtgatctAATGATTACAGTAGTtacgctAATGATTACAGTAGT tgccgctAATGATTACAGTAGTtgctttAATGATTACAGTAGTtgatctAATGATTA CAGTAGTtacgctAATGATTACAGTAGT
5632	DNA; Synthetic Construct	ACTACTGTAGTAATTtgatctACTACTGTAGTAATTtacgctACTACTGTAGTAATT tgccgctACTACTGTAGTAATTtgctttACTACTGTAGTAATTtgatctACTACTGT AGTAATTtacgctACTACTGTAGTAATT
5633	DNA; Synthetic Construct	AATTACTACAGTAGTtgatctAATTACTACAGTAGTtacgctAATTACTACAGTAGT tgccgctAATTACTACAGTAGTtgctttAATTACTACAGTAGTtgatctAATTACTA CAGTAGTtacgctAATTACTACAGTAGT
5634	DNA; Synthetic Construct	ACTACTGTAGTCATTtgatctACTACTGTAGTCATTtacgctACTACTGTAGTCATT tgccgctACTACTGTAGTCATTtgctttACTACTGTAGTCATTtgatctACTACTGT AGTCATTtacgctACTACTGTAGTCATT
5635	DNA; Synthetic Construct	AATGACTACAGTAGTtgatctAATGACTACAGTAGTtacgctAATGACTACAGTAGT tgccgctAATGACTACAGTAGTtgctttAATGACTACAGTAGTtgatctAATGACTA CAGTAGTtacgctAATGACTACAGTAGT
5636	DNA; Synthetic Construct	ACTACTGTGATAATTtgatctACTACTGTGATAATTtacgctACTACTGTGATAATT tgccgctACTACTGTGATAATTtgctttACTACTGTGATAATTtgatctACTACTGT GATAATTtacgctACTACTGTGATAATT
5637	DNA; Synthetic Construct	AATTATCACAGTAGTtgatctAATTATCACAGTAGTtacgctAATTATCACAGTAGT tgccgctAATTATCACAGTAGTtgctttAATTATCACAGTAGTtgatctAATTATCA CAGTAGTtacgctAATTATCACAGTAGT
5638	DNA; Synthetic Construct	ACTACTGTGATCATTtgatctACTACTGTGATCATTtacgctACTACTGTGATCATT tgccgctACTACTGTGATCATTtgctttACTACTGTGATCATTtgatctACTACTGT GATCATTtacgctACTACTGTGATCATT
5639	DNA; Synthetic Construct	AATGATCACAGTAGTtgatctAATGATCACAGTAGTtacgctAATGATCACAGTAGT tgccgctAATGATCACAGTAGTtgctttAATGATCACAGTAGTtgatctAATGATCA CAGTAGTtacgctAATGATCACAGTAGT
5640	DNA; Synthetic Construct	ACTACTGTGGTAATTtgatctACTACTGTGGTAATTtacgctACTACTGTGGTAATT tgccgctACTACTGTGGTAATTtgctttACTACTGTGGTAATTtgatctACTACTGT GGTAATTtacgctACTACTGTGGTAATT
5641	DNA; Synthetic Construct	AATTACCACAGTAGTtgatctAATTACCACAGTAGTtacgctAATTACCACAGTAGT tgccgctAATTACCACAGTAGTtgctttAATTACCACAGTAGTtgatctAATTACCA CAGTAGTtacgctAATTACCACAGTAGT

5642	DNA; Synthetic Construct	ACTACTGTGGTCATTtgatctACTACTGTGGTCATTtacgctACTACTGTGGTCATT tgccgctACTACTGTGGTCATTtgctttACTACTGTGGTCATTtgatctACTACTGT GGTCATTtacgctACTACTGTGGTCATT
5643	DNA; Synthetic Construct	AATGACCACAGTAGTtgatctAATGACCACAGTAGTtacgctAATGACCACAGTAGT tgccgctAATGACCACAGTAGTtgctttAATGACCACAGTAGTtgatctAATGACCA CAGTAGTtacgctAATGACCACAGTAGT
5644	DNA; Synthetic Construct	TGACAGGTGTCAtgctttTGACAGGTGTCAtgatctTGACAGGTGTCAtacgctTGA CAGGTGTCAtgccgctTGACAGGTGTCAtgctttTGACAGGTGTCAtgatctTGACA GGTGTCAtacgctTGACAGGTGTCA
5645	DNA; Synthetic Construct	TGACACCTGTCAtgctttTGACACCTGTCAtgatctTGACACCTGTCAtacgctTGA CACCTGTCAtgccgctTGACACCTGTCAtgctttTGACACCTGTCAtgatctTGACA CCTGTCAtacgctTGACACCTGTCA
5646	DNA; Synthetic Construct	TGACAGCTGTCAtgctttTGACAGCTGTCAtgatctTGACAGCTGTCAtacgctTGA CAGCTGTCAtgccgctTGACAGCTGTCAtgctttTGACAGCTGTCAtgatctTGACA GCTGTCAtacgctTGACAGCTGTCA
5647	DNA; Synthetic Construct	TGACAGCTGTCAtgctttTGACAGCTGTCAtgatctTGACAGCTGTCAtacgctTGA CAGCTGTCAtgccgctTGACAGCTGTCAtgctttTGACAGCTGTCAtgatctTGACA GCTGTCAtacgctTGACAGCTGTCA
5648	DNA; Synthetic Construct	TGATTGACAGtgccgctTGATTGACAGtgctttTGATTGACAGtgatctTGATTGAC AGtacgctTGATTGACAGtgccgctTGATTGACAGtgctttTGATTGACAGtgatct TGATTGACAGtacgctTGATTGACAG
5649	DNA; Synthetic Construct	CTGTCAATCAtgccgctCTGTCAATCAtgctttCTGTCAATCAtgatctCTGTCAAT CAtacgctCTGTCAATCAtgccgctCTGTCAATCAtgctttCTGTCAATCAtgatct CTGTCAATCAtacgctCTGTCAATCA
5650	DNA; Synthetic Construct	GATGACGTCAtgccgctGATGACGTCAtgctttGATGACGTCAtgatctGATGACGT CAtacgctGATGACGTCAtgccgctGATGACGTCAtgctttGATGACGTCAtgatct GATGACGTCAtacgctGATGACGTCA
5651	DNA; Synthetic Construct	TGACGTCATCtgccgctTGACGTCATCtgctttTGACGTCATCtgatctTGACGTCA TCtacgctTGACGTCATCtgccgctTGACGTCATCtgctttTGACGTCATCtgatct TGACGTCATCtacgctTGACGTCATC
5652	DNA; Synthetic Construct	CCACGTGGtacgctCCACGTGGtgccgctCCACGTGGtgctttCCACGTGGtgatct CCACGTGGtacgctCCACGTGGtgccgctCCACGTGGtgctttCCACGTGGtgatct CCACGTGGtacgctCCACGTGG
5653	DNA; Synthetic Construct	CCACGTGGtacgctCCACGTGGtgccgctCCACGTGGtgctttCCACGTGGtgatct CCACGTGGtacgctCCACGTGGtgccgctCCACGTGGtgctttCCACGTGGtgatct CCACGTGGtacgctCCACGTGG
5654	DNA; Synthetic Construct	AACAATATGCAGTGTTtgatctAACAATATGCAGTGTTtacgctAACAATATGCAGT GTTtgccgctAACAATATGCAGTGTTtgctttAACAATATGCAGTGTTtgatctAAC AATATGCAGTGTTtacgctAACAATATGCAGTGTT
5655	DNA; Synthetic Construct	AACACTGCATATTGTTtgatctAACACTGCATATTGTTtacgctAACACTGCATATT GTTtgccgctAACACTGCATATTGTTtgctttAACACTGCATATTGTTtgatctAAC ACTGCATATTGTTtacgctAACACTGCATATTGTT
5656	DNA; Synthetic Construct	AACAATATGCATTGTTtgatctAACAATATGCATTGTTtacgctAACAATATGCATT GTTtgccgctAACAATATGCATTGTTtgctttAACAATATGCATTGTTtgatctAAC AATATGCATTGTTtacgctAACAATATGCATTGTT
5657	DNA; Synthetic Construct	AACAATGCATATTGTTtgatctAACAATGCATATTGTTtacgctAACAATGCATATT GTTtgccgctAACAATGCATATTGTTtgctttAACAATGCATATTGTTtgatctAAC AATGCATATTGTTtacgctAACAATGCATATTGTT
5658	DNA; Synthetic Construct	AACAATGTGCAGTGTTtgatctAACAATGTGCAGTGTTtacgctAACAATGTGCAGT GTTtgccgctAACAATGTGCAGTGTTtgctttAACAATGTGCAGTGTTtgatctAAC AATGTGCAGTGTTtacgctAACAATGTGCAGTGTT
5659	DNA; Synthetic Construct	AACACTGCACATTGTTtgatctAACACTGCACATTGTTtacgctAACACTGCACATT GTTtgccgctAACACTGCACATTGTTtgctttAACACTGCACATTGTTtgatctAAC ACTGCACATTGTTtacgctAACACTGCACATTGTT

5660	DNA; Synthetic Construct	AACAATGTGCATTGTTtgatctAACAATGTGCATTGTTtacgctAACAATGTGCATT GTTtgccgctAACAATGTGCATTGTTtgctttAACAATGTGCATTGTTtgatctAAC AATGTGCATTGTTtacgctAACAATGTGCATTGTT
5661	DNA; Synthetic Construct	AACAATGCACATTGTTtgatctAACAATGCACATTGTTtacgctAACAATGCACATT GTTtgccgctAACAATGCACATTGTTtgctttAACAATGCACATTGTTtgatctAAC AATGCACATTGTTtacgctAACAATGCACATTGTT
5662	DNA; Synthetic Construct	GCACTACCATAGTGAtgatctGCACTACCATAGTGAtacgctGCACTACCATAGTGA tgccgctGCACTACCATAGTGAtgctttGCACTACCATAGTGAtgatctGCACTACC ATAGTGAtacgctGCACTACCATAGTGA
5663	DNA; Synthetic Construct	TCACTATGGTAGTGCtgatctTCACTATGGTAGTGCtacgctTCACTATGGTAGTGC tgccgctTCACTATGGTAGTGCtgctttTCACTATGGTAGTGCtgatctTCACTATG GTAGTGCtacgctTCACTATGGTAGTGC
5664	DNA; Synthetic Construct	GCACTACCATAGTGCtgatctGCACTACCATAGTGCtacgctGCACTACCATAGTGC tgccgctGCACTACCATAGTGCtgctttGCACTACCATAGTGCtgatctGCACTACC ATAGTGCtacgctGCACTACCATAGTGC
5665	DNA; Synthetic Construct	GCACTATGGTAGTGCtgatctGCACTATGGTAGTGCtacgctGCACTATGGTAGTGC tgccgctGCACTATGGTAGTGCtgctttGCACTATGGTAGTGCtgatctGCACTATG GTAGTGCtacgctGCACTATGGTAGTGC
5666	DNA; Synthetic Construct	GCACTACCGTAGTGAtgatctGCACTACCGTAGTGAtacgctGCACTACCGTAGTGA tgccgctGCACTACCGTAGTGAtgctttGCACTACCGTAGTGAtgatctGCACTACC GTAGTGAtacgctGCACTACCGTAGTGA
5667	DNA; Synthetic Construct	TCACTACGGTAGTGCtgatctTCACTACGGTAGTGCtacgctTCACTACGGTAGTGC tgccgctTCACTACGGTAGTGCtgctttTCACTACGGTAGTGCtgatctTCACTACG GTAGTGCtacgctTCACTACGGTAGTGC
5668	DNA; Synthetic Construct	GCACTACCGTAGTGCtgatctGCACTACCGTAGTGCtacgctGCACTACCGTAGTGC tgccgctGCACTACCGTAGTGCtgctttGCACTACCGTAGTGCtgatctGCACTACC GTAGTGCtacgctGCACTACCGTAGTGC
5669	DNA; Synthetic Construct	GCACTACGGTAGTGCtgatctGCACTACGGTAGTGCtacgctGCACTACGGTAGTGC tgccgctGCACTACGGTAGTGCtgctttGCACTACGGTAGTGCtgatctGCACTACG GTAGTGCtacgctGCACTACGGTAGTGC
5670	DNA; Synthetic Construct	GCACTATCATAGTGAtgatctGCACTATCATAGTGAtacgctGCACTATCATAGTGA tgccgctGCACTATCATAGTGAtgctttGCACTATCATAGTGAtgatctGCACTATC ATAGTGAtacgctGCACTATCATAGTGA
5671	DNA; Synthetic Construct	TCACTATGATAGTGCtgatctTCACTATGATAGTGCtacgctTCACTATGATAGTGC tgccgctTCACTATGATAGTGCtgctttTCACTATGATAGTGCtgatctTCACTATG ATAGTGCtacgctTCACTATGATAGTGC
5672	DNA; Synthetic Construct	GCACTATCATAGTGCtgatctGCACTATCATAGTGCtacgctGCACTATCATAGTGC tgccgctGCACTATCATAGTGCtgctttGCACTATCATAGTGCtgatctGCACTATC ATAGTGCtacgctGCACTATCATAGTGC
5673	DNA; Synthetic Construct	GCACTATGATAGTGCtgatctGCACTATGATAGTGCtacgctGCACTATGATAGTGC tgccgctGCACTATGATAGTGCtgctttGCACTATGATAGTGCtgatctGCACTATG ATAGTGCtacgctGCACTATGATAGTGC
5674	DNA; Synthetic Construct	GCACTATCGTAGTGAtgatctGCACTATCGTAGTGAtacgctGCACTATCGTAGTGA tgccgctGCACTATCGTAGTGAtgctttGCACTATCGTAGTGAtgatctGCACTATC GTAGTGAtacgctGCACTATCGTAGTGA
5675	DNA; Synthetic Construct	TCACTACGATAGTGCtgatctTCACTACGATAGTGCtacgctTCACTACGATAGTGC tgccgctTCACTACGATAGTGCtgctttTCACTACGATAGTGCtgatctTCACTACG ATAGTGCtacgctTCACTACGATAGTGC
5676	DNA; Synthetic Construct	GCACTATCGTAGTGCtgatctGCACTATCGTAGTGCtacgctGCACTATCGTAGTGC tgccgctGCACTATCGTAGTGCtgctttGCACTATCGTAGTGCtgatctGCACTATC GTAGTGCtacgctGCACTATCGTAGTGC
5677	DNA; Synthetic Construct	GCACTACGATAGTGCtgatctGCACTACGATAGTGCtacgctGCACTACGATAGTGC tgccgctGCACTACGATAGTGCtgctttGCACTACGATAGTGCtgatctGCACTACG ATAGTGCtacgctGCACTACGATAGTGC

5678	DNA; Synthetic Construct	TCACTACCATAGTGAtgatctTCACTACCATAGTGAtacgctTCACTACCATAGTGA tgccgctTCACTACCATAGTGAtgctttTCACTACCATAGTGAtgatctTCACTACC ATAGTGAtacgctTCACTACCATAGTGA
5679	DNA; Synthetic Construct	TCACTATGGTAGTGAtgatctTCACTATGGTAGTGAtacgctTCACTATGGTAGTGA tgccgctTCACTATGGTAGTGAtgctttTCACTATGGTAGTGAtgatctTCACTATG GTAGTGAtacgctTCACTATGGTAGTGA
5680	DNA; Synthetic Construct	TCACTACCATAGTGCtgatctTCACTACCATAGTGCtacgctTCACTACCATAGTGC tgccgctTCACTACCATAGTGCtgctttTCACTACCATAGTGCtgatctTCACTACC ATAGTGCtacgctTCACTACCATAGTGC
5681	DNA; Synthetic Construct	GCACTATGGTAGTGAtgatctGCACTATGGTAGTGAtacgctGCACTATGGTAGTGA tgccgctGCACTATGGTAGTGAtgctttGCACTATGGTAGTGAtgatctGCACTATG GTAGTGAtacgctGCACTATGGTAGTGA
5682	DNA; Synthetic Construct	TCACTACCGTAGTGAtgatctTCACTACCGTAGTGAtacgctTCACTACCGTAGTGA tgccgctTCACTACCGTAGTGAtgctttTCACTACCGTAGTGAtgatctTCACTACC GTAGTGAtacgctTCACTACCGTAGTGA
5683	DNA; Synthetic Construct	TCACTACGGTAGTGAtgatctTCACTACGGTAGTGAtacgctTCACTACGGTAGTGA tgccgctTCACTACGGTAGTGAtgctttTCACTACGGTAGTGAtgatctTCACTACG GTAGTGAtacgctTCACTACGGTAGTGA
5684	DNA; Synthetic Construct	TCACTACCGTAGTGCtgatctTCACTACCGTAGTGCtacgctTCACTACCGTAGTGC tgccgctTCACTACCGTAGTGCtgctttTCACTACCGTAGTGCtgatctTCACTACC GTAGTGCtacgctTCACTACCGTAGTGC
5685	DNA; Synthetic Construct	GCACTACGGTAGTGAtgatctGCACTACGGTAGTGAtacgctGCACTACGGTAGTGA tgccgctGCACTACGGTAGTGAtgctttGCACTACGGTAGTGAtgatctGCACTACG GTAGTGAtacgctGCACTACGGTAGTGA
5686	DNA; Synthetic Construct	TCACTATCATAGTGAtgatctTCACTATCATAGTGAtacgctTCACTATCATAGTGA tgccgctTCACTATCATAGTGAtgctttTCACTATCATAGTGAtgatctTCACTATC ATAGTGAtacgctTCACTATCATAGTGA
5687	DNA; Synthetic Construct	TCACTATGATAGTGAtgatctTCACTATGATAGTGAtacgctTCACTATGATAGTGA tgccgctTCACTATGATAGTGAtgctttTCACTATGATAGTGAtgatctTCACTATG ATAGTGAtacgctTCACTATGATAGTGA
5688	DNA; Synthetic Construct	TCACTATCATAGTGCtgatctTCACTATCATAGTGCtacgctTCACTATCATAGTGC tgccgctTCACTATCATAGTGCtgctttTCACTATCATAGTGCtgatctTCACTATC ATAGTGCtacgctTCACTATCATAGTGC
5689	DNA; Synthetic Construct	GCACTATGATAGTGAtgatctGCACTATGATAGTGAtacgctGCACTATGATAGTGA tgccgctGCACTATGATAGTGAtgctttGCACTATGATAGTGAtgatctGCACTATG ATAGTGAtacgctGCACTATGATAGTGA
5690	DNA; Synthetic Construct	TCACTATCGTAGTGAtgatctTCACTATCGTAGTGAtacgctTCACTATCGTAGTGA tgccgctTCACTATCGTAGTGAtgctttTCACTATCGTAGTGAtgatctTCACTATC GTAGTGAtacgctTCACTATCGTAGTGA
5691	DNA; Synthetic Construct	TCACTACGATAGTGAtgatctTCACTACGATAGTGAtacgctTCACTACGATAGTGA tgccgctTCACTACGATAGTGAtgctttTCACTACGATAGTGAtgatctTCACTACG ATAGTGAtacgctTCACTACGATAGTGA
5692	DNA; Synthetic Construct	TCACTATCGTAGTGCtgatctTCACTATCGTAGTGCtacgctTCACTATCGTAGTGC tgccgctTCACTATCGTAGTGCtgctttTCACTATCGTAGTGCtgatctTCACTATC GTAGTGCtacgctTCACTATCGTAGTGC
5693	DNA; Synthetic Construct	GCACTACGATAGTGAtgatctGCACTACGATAGTGAtacgctGCACTACGATAGTGA tgccgctGCACTACGATAGTGAtgctttGCACTACGATAGTGAtgatctGCACTACG ATAGTGAtacgctGCACTACGATAGTGA
5694	DNA; Synthetic Construct	TGACTCAGCAtgccgctTGACTCAGCAtgctttTGACTCAGCAtgatctTGACTCAG CAtacgctTGACTCAGCAtgccgctTGACTCAGCAtgctttTGACTCAGCAtgatct TGACTCAGCAtacgctTGACTCAGCA
5695	DNA; Synthetic Construct	TGCTGAGTCAtgccgctTGCTGAGTCAtgctttTGCTGAGTCAtgatctTGCTGAGT CAtacgctTGCTGAGTCAtgccgctTGCTGAGTCAtgctttTGCTGAGTCAtgatct TGCTGAGTCAtacgctTGCTGAGTCA

5696	DNA; Synthetic Construct	GGGGAATCCCCtgccgctGGGGAATCCCCtgctttGGGGAATCCCCtgatctGGGGA ATCCCCtacgctGGGGAATCCCCtgccgctGGGGAATCCCCtgctttGGGGAATCCC CtgatctGGGGAATCCCCtacgctGGGGAATCCCC
5697	DNA; Synthetic Construct	GGGGATTCCCCtgccgctGGGGATTCCCCtgctttGGGGATTCCCCtgatctGGGGA TTCCCCtacgctGGGGATTCCCCtgccgctGGGGATTCCCCtgctttGGGGATTCCC CtgatctGGGGATTCCCCtacgctGGGGATTCCCC
5698	DNA; Synthetic Construct	GGGGATTCCCCtgccgctGGGGATTCCCCtgctttGGGGATTCCCCtgatctGGGGA TTCCCCtacgctGGGGATTCCCCtgccgctGGGGATTCCCCtgctttGGGGATTCCC CtgatctGGGGATTCCCCtacgctGGGGATTCCCC
5699	DNA; Synthetic Construct	GGGGAATCCCCtgccgctGGGGAATCCCCtgctttGGGGAATCCCCtgatctGGGGA ATCCCCtacgctGGGGAATCCCCtgccgctGGGGAATCCCCtgctttGGGGAATCCC CtgatctGGGGAATCCCCtacgctGGGGAATCCCC
5700	DNA; Synthetic Construct	CAGCTGCTGtacgctCAGCTGCTGtgccgctCAGCTGCTGtgctttCAGCTGCTGtg atctCAGCTGCTGtacgctCAGCTGCTGtgccgctCAGCTGCTGtgctttCAGCTGC TGtgatctCAGCTGCTGtacgctCAGCTGCTG
5701	DNA; Synthetic Construct	CAGCAGCTGtacgctCAGCAGCTGtgccgctCAGCAGCTGtgctttCAGCAGCTGtg atctCAGCAGCTGtacgctCAGCAGCTGtgccgctCAGCAGCTGtgctttCAGCAGC TGtgatctCAGCAGCTGtacgctCAGCAGCTG
5702	DNA; Synthetic Construct	TGCTGAGTCAtgccgctTGCTGAGTCAtgctttTGCTGAGTCAtgatctTGCTGAGT CAtacgctTGCTGAGTCAtgccgctTGCTGAGTCAtgctttTGCTGAGTCAtgatct TGCTGAGTCAtacgctTGCTGAGTCA
5703	DNA; Synthetic Construct	TGACTCAGCAtgccgctTGACTCAGCAtgctttTGACTCAGCAtgatctTGACTCAG CAtacgctTGACTCAGCAtgccgctTGACTCAGCAtgctttTGACTCAGCAtgatct TGACTCAGCAtacgctTGACTCAGCA
5704	DNA; Synthetic Construct	TGACAGCTGTCAtgctttTGACAGCTGTCAtgatctTGACAGCTGTCAtacgctTGA CAGCTGTCAtgccgctTGACAGCTGTCAtgctttTGACAGCTGTCAtgatctTGACA GCTGTCAtacgctTGACAGCTGTCA
5705	DNA; Synthetic Construct	TGACAGCTGTCAtgctttTGACAGCTGTCAtgatctTGACAGCTGTCAtacgctTGA CAGCTGTCAtgccgctTGACAGCTGTCAtgctttTGACAGCTGTCAtgatctTGACA GCTGTCAtacgctTGACAGCTGTCA
5706	DNA; Synthetic Construct	TAACCCAATCAtgccgctTAACCCAATCAtgctttTAACCCAATCAtgatctTAACC CAATCAtacgctTAACCCAATCAtgccgctTAACCCAATCAtgctttTAACCCAATC AtgatctTAACCCAATCAtacgctTAACCCAATCA
5707	DNA; Synthetic Construct	TGATTGGGTTAtgccgctTGATTGGGTTAtgctttTGATTGGGTTAtgatctTGATT GGGTTAtacgctTGATTGGGTTAtgccgctTGATTGGGTTAtgctttTGATTGGGTT AtgatctTGATTGGGTTAtacgctTGATTGGGTTA
5708	DNA; Synthetic Construct	TAACCTAATCAtgccgctTAACCTAATCAtgctttTAACCTAATCAtgatctTAACC TAATCAtacgctTAACCTAATCAtgccgctTAACCTAATCAtgctttTAACCTAATC AtgatctTAACCTAATCAtacgctTAACCTAATCA
5709	DNA; Synthetic Construct	TGATTAGGTTAtgccgctTGATTAGGTTAtgctttTGATTAGGTTAtgatctTGATT AGGTTAtacgctTGATTAGGTTAtgccgctTGATTAGGTTAtgctttTGATTAGGTT AtgatctTGATTAGGTTAtacgctTGATTAGGTTA
5710	DNA; Synthetic Construct	TAACTCAATCAtgccgctTAACTCAATCAtgctttTAACTCAATCAtgatctTAACT CAATCAtacgctTAACTCAATCAtgccgctTAACTCAATCAtgctttTAACTCAATC AtgatctTAACTCAATCAtacgctTAACTCAATCA
5711	DNA; Synthetic Construct	TGATTGAGTTAtgccgctTGATTGAGTTAtgctttTGATTGAGTTAtgatctTGATT GAGTTAtacgctTGATTGAGTTAtgccgctTGATTGAGTTAtgctttTGATTGAGTT AtgatctTGATTGAGTTAtacgctTGATTGAGTTA
5712	DNA; Synthetic Construct	TAACTTAATCAtgccgctTAACTTAATCAtgctttTAACTTAATCAtgatctTAACT TAATCAtacgctTAACTTAATCAtgccgctTAACTTAATCAtgctttTAACTTAATC AtgatctTAACTTAATCAtacgctTAACTTAATCA
5713	DNA; Synthetic Construct	TGATTAAGTTAtgccgctTGATTAAGTTAtgctttTGATTAAGTTAtgatctTGATT AAGTTAtacgctTGATTAAGTTAtgccgctTGATTAAGTTAtgctttTGATTAAGTT AtgatctTGATTAAGTTAtacgctTGATTAAGTTA

5714	DNA; Synthetic Construct	TAATCCAATCAtgccgcttAATCCAATCAtgctttTAATCCAATCAtgatctTAATC CAATCAtacgcttAATCCAATCAtgccgcttAATCCAATCAtgctttTAATCCAATC AtgatctTAATCCAATCAtacgcttAATCCAATCA
5715	DNA; Synthetic Construct	TGATTGGATTAtgccgcttTGATTGGATTAtgctttTGATTGGATTAtgatcttGATT GGATTAtacgcttTGATTGGATTAtgccgcttTGATTGGATTAtgctttTGATTGGATT AtgatcttTGATTGGATTAtacgcttTGATTGGATTA
5716	DNA; Synthetic Construct	TAATCTAATCAtgccgcttAATCTAATCAtgctttTAATCTAATCAtgatcttTAATC TAATCAtacgcttAATCTAATCAtgccgcttAATCTAATCAtgctttTAATCTAATC AtgatcttAATCTAATCAtacgcttAATCTAATCA
5717	DNA; Synthetic Construct	TGATTAGATTAtgccgcttTGATTAGATTAtgctttTGATTAGATTAtgatcttTGATT AGATTAtacgcttTGATTAGATTAtgccgcttTGATTAGATTAtgctttTGATTAGATT AtgatcttTGATTAGATTAtacgcttTGATTAGATTA
5718	DNA; Synthetic Construct	TAATTCAATCAtgccgcttTAATTCAATCAtgctttTAATTCAATCAtgatcttTAATT CAATCAtacgcttTAATTCAATCAtgccgcttTAATTCAATCAtgctttTAATTCAATC AtgatcttTAATTCAATCAtacgcttTAATTCAATCA
5719	DNA; Synthetic Construct	TGATTGAATTAtgccgcttTGATTGAATTAtgctttTGATTGAATTAtgatcttTGATT GAATTAtacgcttTGATTGAATTAtgccgcttTGATTGAATTAtgctttTGATTGAATT AtgatcttTGATTGAATTAtacgcttTGATTGAATTA
5720	DNA; Synthetic Construct	TAATTTAATCAtgccgcttTAATTTAATCAtgctttTAATTTAATCAtgatcttTAATT TAATCAtacgcttTAATTTAATCAtgccgcttTAATTTAATCAtgctttTAATTTAATC AtgatcttTAATTTAATCAtacgcttTAATTTAATCA
5721	DNA; Synthetic Construct	TGATTAAATTAtgccgcttTGATTAAATTAtgctttTGATTAAATTAtgatcttTGATT AAATTAtacgcttTGATTAAATTAtgccgcttTGATTAAATTAtgctttTGATTAAATT AtgatcttTGATTAAATTAtacgcttTGATTAAATTA
5722	DNA; Synthetic Construct	TGCTGAGTCAGCAtgctttTGCTGAGTCAGCAtgatcttTGCTGAGTCAGCAtacgct TGCTGAGTCAGCAtgccgcttTGCTGAGTCAGCAtgctttTGCTGAGTCAGCAtgatc tTGCTGAGTCAGCAtacgcttTGCTGAGTCAGCA
5723	DNA; Synthetic Construct	TGCTGACTCAGCAtgctttTGCTGACTCAGCAtgatcttTGCTGACTCAGCAtacgct TGCTGACTCAGCAtgccgcttTGCTGACTCAGCAtgctttTGCTGACTCAGCAtgatc tTGCTGACTCAGCAtacgcttTGCTGACTCAGCA
5724	DNA; Synthetic Construct	TGCTGACTCAGCAtgctttTGCTGACTCAGCAtgatcttTGCTGACTCAGCAtacgct TGCTGACTCAGCAtgccgcttTGCTGACTCAGCAtgctttTGCTGACTCAGCAtgatc tTGCTGACTCAGCAtacgcttTGCTGACTCAGCA
5725	DNA; Synthetic Construct	TGCTGAGTCAGCAtgctttTGCTGAGTCAGCAtgatcttTGCTGAGTCAGCAtacgct TGCTGAGTCAGCAtgccgcttTGCTGAGTCAGCAtgctttTGCTGAGTCAGCAtgatc tTGCTGAGTCAGCAtacgcttTGCTGAGTCAGCA
5726	DNA; Synthetic Construct	GAGTTCATCGAGTTCAtgatctGAGTTCATCGAGTTCAtacgctGAGTTCATCGAGT TCAtgccgctGAGTTCATCGAGTTCAtgctttGAGTTCATCGAGTTCAtgatctGAG TTCATCGAGTTCAtacgctGAGTTCATCGAGTTCA
5727	DNA; Synthetic Construct	TGAACTCGATGAACTCtgatcttGAACTCGATGAACTCtacgcttGAACTCGATGAA CTCtgccgcttGAACTCGATGAACTCtgctttTGAACTCGATGAACTCtgatcttGA ACTCGATGAACTCtacgcttGAACTCGATGAACTC
5728	DNA; Synthetic Construct	GAGTTCATCGGGTTCAtgatctGAGTTCATCGGGTTCAtacgctGAGTTCATCGGGT TCAtgccgctGAGTTCATCGGGTTCAtgctttGAGTTCATCGGGTTCAtgatctGAG TTCATCGGGTTCAtacgctGAGTTCATCGGGTTCA
5729	DNA; Synthetic Construct	TGAACCCGATGAACTCtgatcttGAACCCGATGAACTCtacgcttGAACCCGATGAA CTCtgccgcttGAACCCGATGAACTCtgctttTGAACCCGATGAACTCtgatcttGA ACCCGATGAACTCtacgcttGAACCCGATGAACTC
5730	DNA; Synthetic Construct	GAGTTCATTGAGTTCAtgatctGAGTTCATTGAGTTCAtacgctGAGTTCATTGAGT TCAtgccgctGAGTTCATTGAGTTCAtgctttGAGTTCATTGAGTTCAtgatctGAG TTCATTGAGTTCAtacgctGAGTTCATTGAGTTCA
5731	DNA; Synthetic Construct	TGAACTCAATGAACTCtgatcttGAACTCAATGAACTCtacgcttGAACTCAATGAA CTCtgccgcttGAACTCAATGAACTCtgctttTGAACTCAATGAACTCtgatcttGA ACTCAATGAACTCtacgcttGAACTCAATGAACTC

5732	DNA; Synthetic Construct	GAGTTCATTGGGTTCAtgatctGAGTTCATTGGGTTCAtacgctGAGTTCATTGGGT TCAtgccgctGAGTTCATTGGGTTCAtgctttGAGTTCATTGGGTTCAtgatctGAG TTCATTGGGTTCAtacgctGAGTTCATTGGGTTCA
5733	DNA; Synthetic Construct	TGAACCCAATGAACTCtgatcttGAACCCAATGAACTCtacgcttGAACCCAATGAA CTCtgccgcttGAACCCAATGAACTCtgctttTGAACCCAATGAACTCtgatcttGA ACCCAATGAACTCtacgcttGAACCCAATGAACTC
5734	DNA; Synthetic Construct	GGGTTCATCGAGTTCAtgatctGGGTTCATCGAGTTCAtacgctGGGTTCATCGAGT TCAtgccgctGGGTTCATCGAGTTCAtgctttGGGTTCATCGAGTTCAtgatctGGG TTCATCGAGTTCAtacgctGGGTTCATCGAGTTCA
5735	DNA; Synthetic Construct	TGAACTCGATGAACCCtgatcttGAACTCGATGAACCCtacgcttGAACTCGATGAA CCCtgccgcttGAACTCGATGAACCCtgctttTGAACTCGATGAACCCtgatcttGA ACTCGATGAACCCtacgcttGAACTCGATGAACCC
5736	DNA; Synthetic Construct	GGGTTCATCGGGTTCAtgatctGGGTTCATCGGGTTCAtacgctGGGTTCATCGGGT TCAtgccgctGGGTTCATCGGGTTCAtgctttGGGTTCATCGGGTTCAtgatctGGG TTCATCGGGTTCAtacgctGGGTTCATCGGGTTCA
5737	DNA; Synthetic Construct	TGAACCCGATGAACCCtgatcttGAACCCGATGAACCCtacgcttGAACCCGATGAA CCCtgccgcttGAACCCGATGAACCCtgctttTGAACCCGATGAACCCtgatcttGA ACCCGATGAACCCtacgcttGAACCCGATGAACCC
5738	DNA; Synthetic Construct	GGGTTCATTGAGTTCAtgatctGGGTTCATTGAGTTCAtacgctGGGTTCATTGAGT TCAtgccgctGGGTTCATTGAGTTCAtgctttGGGTTCATTGAGTTCAtgatctGGG TTCATTGAGTTCAtacgctGGGTTCATTGAGTTCA
5739	DNA; Synthetic Construct	TGAACTCAATGAACCCtgatcttGAACTCAATGAACCCtacgcttGAACTCAATGAA CCCtgccgcttGAACTCAATGAACCCtgctttTGAACTCAATGAACCCtgatcttGA ACTCAATGAACCCtacgcttGAACTCAATGAACCC
5740	DNA; Synthetic Construct	GGGTTCATTGGGTTCAtgatctGGGTTCATTGGGTTCAtacgctGGGTTCATTGGGT TCAtgccgctGGGTTCATTGGGTTCAtgctttGGGTTCATTGGGTTCAtgatctGGG TTCATTGGGTTCAtacgctGGGTTCATTGGGTTCA
5741	DNA; Synthetic Construct	TGAACCCAATGAACCCtgatcttGAACCCAATGAACCCtacgcttGAACCCAATGAA CCCtgccgcttGAACCCAATGAACCCtgctttTGAACCCAATGAACCCtgatcttGA ACCCAATGAACCCtacgcttGAACCCAATGAACCC
5742	DNA; Synthetic Construct	CTTTCATTATGACTAtgatctCTTTCATTATGACTAtacgctCTTTCATTATGACTA tgccgctCTTTCATTATGACTAtgctttCTTTCATTATGACTAtgatctCTTTCATT ATGACTAtacgctCTTTCATTATGACTA
5743	DNA; Synthetic Construct	TAGTCATAATGAAAGtgatctTAGTCATAATGAAAGtacgctTAGTCATAATGAAAG tgccgctTAGTCATAATGAAAGtgctttTAGTCATAATGAAAGtgatctTAGTCATA ATGAAAGtacgctTAGTCATAATGAAAG
5744	DNA; Synthetic Construct	CTTTCATTATGACTCtgatctCTTTCATTATGACTCtacgctCTTTCATTATGACTC tgccgctCTTTCATTATGACTCtgctttCTTTCATTATGACTCtgatctCTTTCATT ATGACTCtacgctCTTTCATTATGACTC
5745	DNA; Synthetic Construct	GAGTCATAATGAAAGtgatctGAGTCATAATGAAAGtacgctGAGTCATAATGAAAG tgccgctGAGTCATAATGAAAGtgctttGAGTCATAATGAAAGtgatctGAGTCATA ATGAAAGtacgctGAGTCATAATGAAAG
5746	DNA; Synthetic Construct	CTTTCATTATGACTGtgatctCTTTCATTATGACTGtacgctCTTTCATTATGACTG tgccgctCTTTCATTATGACTGtgctttCTTTCATTATGACTGtgatctCTTTCATT ATGACTGtacgctCTTTCATTATGACTG
5747	DNA; Synthetic Construct	CAGTCATAATGAAAGtgatctCAGTCATAATGAAAGtacgctCAGTCATAATGAAAG tgccgctCAGTCATAATGAAAGtgctttCAGTCATAATGAAAGtgatctCAGTCATA ATGAAAGtacgctCAGTCATAATGAAAG
5748	DNA; Synthetic Construct	GACCACCCATGtgccgctGACCACCCATGtgctttGACCACCCATGtgatctGACCA CCCATGtacgctGACCACCCATGtgccgctGACCACCCATGtgctttGACCACCCAT GtgatctGACCACCCATGtacgctGACCACCCATG
5749	DNA; Synthetic Construct	CATGGGTGGTCtgccgctCATGGGTGGTCtgctttCATGGGTGGTCtgatctCATGG GTGGTCtacgctCATGGGTGGTCtgccgctCATGGGTGGTCtgctttCATGGGTGGT CtgatctCATGGGTGGTCtacgctCATGGGTGGTC

5750	DNA; Synthetic Construct	CATCCCATACGGATGAGGCAtgccgctCATCCCATACGGATGAGGCAtgctttCATC CCATACGGATGAGGCAtgatctCATCCCATACGGATGAGGCAtacgctCATCCCATA CGGATGAGGCA
5751	DNA; Synthetic Construct	TGCCTCATCCGTATGGGATGtgccgctTGCCTCATCCGTATGGGATGtgctttTGCC TCATCCGTATGGGATGtgatctTGCCTCATCCGTATGGGATGtacgctTGCCTCATC CGTATGGGATG
5752	DNA; Synthetic Construct	CATCCCATACGGATGAGGCCtgccgctCATCCCATACGGATGAGGCCtgctttCATC CCATACGGATGAGGCCtgatctCATCCCATACGGATGAGGCCtacgctCATCCCATA CGGATGAGGCC
5753	DNA; Synthetic Construct	GGCCTCATCCGTATGGGATGtgccgctGGCCTCATCCGTATGGGATGtgctttGGCC TCATCCGTATGGGATGtgatctGGCCTCATCCGTATGGGATGtacgctGGCCTCATC CGTATGGGATG
5754	DNA; Synthetic Construct	CATCCCATACGGATGAGGTAtgccgctCATCCCATACGGATGAGGTAtgctttCATC CCATACGGATGAGGTAtgatctCATCCCATACGGATGAGGTAtacgctCATCCCATA CGGATGAGGTA
5755	DNA; Synthetic Construct	TACCTCATCCGTATGGGATGtgccgctTACCTCATCCGTATGGGATGtgctttTACC TCATCCGTATGGGATGtgatctTACCTCATCCGTATGGGATGtacgctTACCTCATC CGTATGGGATG
5756	DNA; Synthetic Construct	CATCCCATACGGATGAGGTCtgccgctCATCCCATACGGATGAGGTCtgctttCATC CCATACGGATGAGGTCtgatctCATCCCATACGGATGAGGTCtacgctCATCCCATA CGGATGAGGTC
5757	DNA; Synthetic Construct	GACCTCATCCGTATGGGATGtgccgctGACCTCATCCGTATGGGATGtgctttGACC TCATCCGTATGGGATGtgatctGACCTCATCCGTATGGGATGtacgctGACCTCATC CGTATGGGATG
5758	DNA; Synthetic Construct	CATCCCATACGGATGAGTCAtgccgctCATCCCATACGGATGAGTCAtgctttCATC CCATACGGATGAGTCAtgatctCATCCCATACGGATGAGTCAtacgctCATCCCATA CGGATGAGTCA
5759	DNA; Synthetic Construct	TGACTCATCCGTATGGGATGtgccgctTGACTCATCCGTATGGGATGtgctttTGAC TCATCCGTATGGGATGtgatctTGACTCATCCGTATGGGATGtacgctTGACTCATC CGTATGGGATG
5760	DNA; Synthetic Construct	CATCCCATACGGATGAGTCCtgccgctCATCCCATACGGATGAGTCCtgctttCATC CCATACGGATGAGTCCtgatctCATCCCATACGGATGAGTCCtacgctCATCCCATA CGGATGAGTCC
5761	DNA; Synthetic Construct	GGACTCATCCGTATGGGATGtgccgctGGACTCATCCGTATGGGATGtgctttGGAC TCATCCGTATGGGATGtgatctGGACTCATCCGTATGGGATGtacgctGGACTCATC CGTATGGGATG
5762	DNA; Synthetic Construct	CATCCCATACGGATGAGTTAtgccgctCATCCCATACGGATGAGTTAtgctttCATC CCATACGGATGAGTTAtgatctCATCCCATACGGATGAGTTAtacgctCATCCCATA CGGATGAGTTA
5763	DNA; Synthetic Construct	TAACTCATCCGTATGGGATGtgccgctTAACTCATCCGTATGGGATGtgctttTAAC TCATCCGTATGGGATGtgatctTAACTCATCCGTATGGGATGtacgctTAACTCATC CGTATGGGATG
5764	DNA; Synthetic Construct	CATCCCATACGGATGAGTTCtgccgctCATCCCATACGGATGAGTTCtgctttCATC CCATACGGATGAGTTCtgatctCATCCCATACGGATGAGTTCtacgctCATCCCATA CGGATGAGTTC
5765	DNA; Synthetic Construct	GAACTCATCCGTATGGGATGtgccgctGAACTCATCCGTATGGGATGtgctttGAAC TCATCCGTATGGGATGtgatctGAACTCATCCGTATGGGATGtacgctGAACTCATC CGTATGGGATG
5766	DNA; Synthetic Construct	CATCCCATACGGATGACGCAtgccgctCATCCCATACGGATGACGCAtgctttCATC CCATACGGATGACGCAtgatctCATCCCATACGGATGACGCAtacgctCATCCCATA CGGATGACGCA
5767	DNA; Synthetic Construct	TGCGTCATCCGTATGGGATGtgccgctTGCGTCATCCGTATGGGATGtgctttTGCG TCATCCGTATGGGATGtgatctTGCGTCATCCGTATGGGATGtacgctTGCGTCATC CGTATGGGATG

5768	DNA; Synthetic Construct	CATCCCATACGGATGACGCCtgccgctCATCCCATACGGATGACGCCtgctttCATC CCATACGGATGACGCCtgatctCATCCCATACGGATGACGCCtacgctCATCCCATA CGGATGACGCC
5769	DNA; Synthetic Construct	GGCGTCATCCGTATGGGATGtgccgctGGCGTCATCCGTATGGGATGtgctttGGCG TCATCCGTATGGGATGtgatctGGCGTCATCCGTATGGGATGtacgctGGCGTCATC CGTATGGGATG
5770	DNA; Synthetic Construct	CATCCCATACGGATGACGTAtgccgctCATCCCATACGGATGACGTAtgctttCATC CCATACGGATGACGTAtgatctCATCCCATACGGATGACGTAtacgctCATCCCATA CGGATGACGTA
5771	DNA; Synthetic Construct	TACGTCATCCGTATGGGATGtgccgctTACGTCATCCGTATGGGATGtgctttTACG TCATCCGTATGGGATGtgatctTACGTCATCCGTATGGGATGtacgctTACGTCATC CGTATGGGATG
5772	DNA; Synthetic Construct	CATCCCATACGGATGACGTCtgccgctCATCCCATACGGATGACGTCtgctttCATC CCATACGGATGACGTCtgatctCATCCCATACGGATGACGTCtacgctCATCCCATA CGGATGACGTC
5773	DNA; Synthetic Construct	GACGTCATCCGTATGGGATGtgccgctGACGTCATCCGTATGGGATGtgctttGACG TCATCCGTATGGGATGtgatctGACGTCATCCGTATGGGATGtacgctGACGTCATC CGTATGGGATG
5774	DNA; Synthetic Construct	CATCCCATACGGATGACTCAtgccgctCATCCCATACGGATGACTCAtgctttCATC CCATACGGATGACTCAtgatctCATCCCATACGGATGACTCAtacgctCATCCCATA CGGATGACTCA
5775	DNA; Synthetic Construct	TGAGTCATCCGTATGGGATGtgccgctTGAGTCATCCGTATGGGATGtgctttTGAG TCATCCGTATGGGATGtgatctTGAGTCATCCGTATGGGATGtacgctTGAGTCATC CGTATGGGATG
5776	DNA; Synthetic Construct	CATCCCATACGGATGACTCCtgccgctCATCCCATACGGATGACTCCtgctttCATC CCATACGGATGACTCCtgatctCATCCCATACGGATGACTCCtacgctCATCCCATA CGGATGACTCC
5777	DNA; Synthetic Construct	GGAGTCATCCGTATGGGATGtgccgctGGAGTCATCCGTATGGGATGtgctttGGAG TCATCCGTATGGGATGtgatctGGAGTCATCCGTATGGGATGtacgctGGAGTCATC CGTATGGGATG
5778	DNA; Synthetic Construct	CATCCCATACGGATGACTTAtgccgctCATCCCATACGGATGACTTAtgctttCATC CCATACGGATGACTTAtgatctCATCCCATACGGATGACTTAtacgctCATCCCATA CGGATGACTTA
5779	DNA; Synthetic Construct	TAAGTCATCCGTATGGGATGtgccgctTAAGTCATCCGTATGGGATGtgctttTAAG TCATCCGTATGGGATGtgatctTAAGTCATCCGTATGGGATGtacgctTAAGTCATC CGTATGGGATG
5780	DNA; Synthetic Construct	CATCCCATACGGATGACTTCtgccgctCATCCCATACGGATGACTTCtgctttCATC CCATACGGATGACTTCtgatctCATCCCATACGGATGACTTCtacgctCATCCCATA CGGATGACTTC
5781	DNA; Synthetic Construct	GAAGTCATCCGTATGGGATGtgccgctGAAGTCATCCGTATGGGATGtgctttGAAG TCATCCGTATGGGATGtgatctGAAGTCATCCGTATGGGATGtacgctGAAGTCATC CGTATGGGATG
5782	DNA; Synthetic Construct	CATCCCATACGGGTGAGGCAtgccgctCATCCCATACGGGTGAGGCAtgctttCATC CCATACGGGTGAGGCAtgatctCATCCCATACGGGTGAGGCAtacgctCATCCCATA CGGGTGAGGCA
5783	DNA; Synthetic Construct	TGCCTCACCCGTATGGGATGtgccgctTGCCTCACCCGTATGGGATGtgctttTGCC TCACCCGTATGGGATGtgatctTGCCTCACCCGTATGGGATGtacgctTGCCTCACC CGTATGGGATG
5784	DNA; Synthetic Construct	CATCCCATACGGGTGAGGCCtgccgctCATCCCATACGGGTGAGGCCtgctttCATC CCATACGGGTGAGGCCtgatctCATCCCATACGGGTGAGGCCtacgctCATCCCATA CGGGTGAGGCC
5785	DNA; Synthetic Construct	GGCCTCACCCGTATGGGATGtgccgctGGCCTCACCCGTATGGGATGtgctttGGCC TCACCCGTATGGGATGtgatctGGCCTCACCCGTATGGGATGtacgctGGCCTCACC CGTATGGGATG

5786	DNA; Synthetic Construct	CATCCCATACGGGTGAGGTAtgccgctCATCCCATACGGGTGAGGTAtgctttCATC CCATACGGGTGAGGTAtgatctCATCCCATACGGGTGAGGTAtacgctCATCCCATA CGGGTGAGGTA
5787	DNA; Synthetic Construct	TACCTCACCCGTATGGGATGtgccgctTACCTCACCCGTATGGGATGtgctttTACC TCACCCGTATGGGATGtgatctTACCTCACCCGTATGGGATGtacgctTACCTCACC CGTATGGGATG
5788	DNA; Synthetic Construct	CATCCCATACGGGTGAGGTCtgccgctCATCCCATACGGGTGAGGTCtgctttCATC CCATACGGGTGAGGTCtgatctCATCCCATACGGGTGAGGTCtacgctCATCCCATA CGGGTGAGGTC
5789	DNA; Synthetic Construct	GACCTCACCCGTATGGGATGtgccgctGACCTCACCCGTATGGGATGtgctttGACC TCACCCGTATGGGATGtgatctGACCTCACCCGTATGGGATGtacgctGACCTCACC CGTATGGGATG
5790	DNA; Synthetic Construct	CATCCCATACGGGTGAGTCAtgccgctCATCCCATACGGGTGAGTCAtgctttCATC CCATACGGGTGAGTCAtgatctCATCCCATACGGGTGAGTCAtacgctCATCCCATA CGGGTGAGTCA
5791	DNA; Synthetic Construct	TGACTCACCCGTATGGGATGtgccgctTGACTCACCCGTATGGGATGtgctttTGAC TCACCCGTATGGGATGtgatctTGACTCACCCGTATGGGATGtacgctTGACTCACC CGTATGGGATG
5792	DNA; Synthetic Construct	CATCCCATACGGGTGAGTCCtgccgctCATCCCATACGGGTGAGTCCtgctttCATC CCATACGGGTGAGTCCtgatctCATCCCATACGGGTGAGTCCtacgctCATCCCATA CGGGTGAGTCC
5793	DNA; Synthetic Construct	GGACTCACCCGTATGGGATGtgccgctGGACTCACCCGTATGGGATGtgctttGGAC TCACCCGTATGGGATGtgatctGGACTCACCCGTATGGGATGtacgctGGACTCACC CGTATGGGATG
5794	DNA; Synthetic Construct	CATCCCATACGGGTGAGTTAtgccgctCATCCCATACGGGTGAGTTAtgctttCATC CCATACGGGTGAGTTAtgatctCATCCCATACGGGTGAGTTAtacgctCATCCCATA CGGGTGAGTTA
5795	DNA; Synthetic Construct	TAACTCACCCGTATGGGATGtgccgctTAACTCACCCGTATGGGATGtgctttTAAC TCACCCGTATGGGATGtgatctTAACTCACCCGTATGGGATGtacgctTAACTCACC CGTATGGGATG
5796	DNA; Synthetic Construct	CATCCCATACGGGTGAGTTCtgccgctCATCCCATACGGGTGAGTTCtgctttCATC CCATACGGGTGAGTTCtgatctCATCCCATACGGGTGAGTTCtacgctCATCCCATA CGGGTGAGTTC
5797	DNA; Synthetic Construct	GAACTCACCCGTATGGGATGtgccgctGAACTCACCCGTATGGGATGtgctttGAAC TCACCCGTATGGGATGtgatctGAACTCACCCGTATGGGATGtacgctGAACTCACC CGTATGGGATG
5798	DNA; Synthetic Construct	CATCCCATACGGGTGACGCAtgccgctCATCCCATACGGGTGACGCAtgctttCATC CCATACGGGTGACGCAtgatctCATCCCATACGGGTGACGCAtacgctCATCCCATA CGGGTGACGCA
5799	DNA; Synthetic Construct	TGCGTCACCCGTATGGGATGtgccgctTGCGTCACCCGTATGGGATGtgctttTGCG TCACCCGTATGGGATGtgatctTGCGTCACCCGTATGGGATGtacgctTGCGTCACC CGTATGGGATG
5800	DNA; Synthetic Construct	CATCCCATACGGGTGACGCCtgccgctCATCCCATACGGGTGACGCCtgctttCATC CCATACGGGTGACGCCtgatctCATCCCATACGGGTGACGCCtacgctCATCCCATA CGGGTGACGCC
5801	DNA; Synthetic Construct	GGCGTCACCCGTATGGGATGtgccgctGGCGTCACCCGTATGGGATGtgctttGGCG TCACCCGTATGGGATGtgatctGGCGTCACCCGTATGGGATGtacgctGGCGTCACC CGTATGGGATG
5802	DNA; Synthetic Construct	CATCCCATACGGGTGACGTAtgccgctCATCCCATACGGGTGACGTAtgctttCATC CCATACGGGTGACGTAtgatctCATCCCATACGGGTGACGTAtacgctCATCCCATA CGGGTGACGTA
5803	DNA; Synthetic Construct	TACGTCACCCGTATGGGATGtgccgctTACGTCACCCGTATGGGATGtgctttTACG TCACCCGTATGGGATGtgatctTACGTCACCCGTATGGGATGtacgctTACGTCACC CGTATGGGATG

5804	DNA; Synthetic Construct	CATCCCATACGGGTGACGTCTgccgctCATCCCATACGGGTGACGTCTgctttCATC CCATACGGGTGACGTCtgatctCATCCCATACGGGTGACGTCtacgctCATCCCATA CGGGTGACGTC
5805	DNA; Synthetic Construct	GACGTCACCCGTATGGGATGTgccgctGACGTCACCCGTATGGGATGTgctttGACG TCACCCGTATGGGATGtgatctGACGTCACCCGTATGGGATGtacgctGACGTCACC CGTATGGGATG
5806	DNA; Synthetic Construct	CATCCCATACGGGTGACTCAtgccgctCATCCCATACGGGTGACTCAtgctttCATC CCATACGGGTGACTCAtgatctCATCCCATACGGGTGACTCAtacgctCATCCCATA CGGGTGACTCA
5807	DNA; Synthetic Construct	TGAGTCACCCGTATGGGATGTgccgctTGAGTCACCCGTATGGGATGTgctttTGAG TCACCCGTATGGGATGtgatctTGAGTCACCCGTATGGGATGtacgctTGAGTCACC CGTATGGGATG
5808	DNA; Synthetic Construct	CATCCCATACGGGTGACTCCTgccgctCATCCCATACGGGTGACTCCTgctttCATC CCATACGGGTGACTCCtgatctCATCCCATACGGGTGACTCCtacgctCATCCCATA CGGGTGACTCC
5809	DNA; Synthetic Construct	GGAGTCACCCGTATGGGATGTgccgctGGAGTCACCCGTATGGGATGTgctttGGAG TCACCCGTATGGGATGtgatctGGAGTCACCCGTATGGGATGtacgctGGAGTCACC CGTATGGGATG
5810	DNA; Synthetic Construct	CATCCCATACGGGTGACTTAtgccgctCATCCCATACGGGTGACTTAtgctttCATC CCATACGGGTGACTTAtgatctCATCCCATACGGGTGACTTAtacgctCATCCCATA CGGGTGACTTA
5811	DNA; Synthetic Construct	TAAGTCACCCGTATGGGATGTgccgctTAAGTCACCCGTATGGGATGTgctttTAAG TCACCCGTATGGGATGtgatctTAAGTCACCCGTATGGGATGtacgctTAAGTCACC CGTATGGGATG
5812	DNA; Synthetic Construct	CATCCCATACGGGTGACTTCTgccgctCATCCCATACGGGTGACTTCTgctttCATC CCATACGGGTGACTTCtgatctCATCCCATACGGGTGACTTCtacgctCATCCCATA CGGGTGACTTC
5813	DNA; Synthetic Construct	GAAGTCACCCGTATGGGATGTgccgctGAAGTCACCCGTATGGGATGTgctttGAAG TCACCCGTATGGGATGtgatctGAAGTCACCCGTATGGGATGtacgctGAAGTCACC CGTATGGGATG
5814	DNA; Synthetic Construct	CATCCCTTACGGATGAGGCAtgccgctCATCCCTTACGGATGAGGCAtgctttCATC CCTTACGGATGAGGCAtgatctCATCCCTTACGGATGAGGCAtacgctCATCCCTTA CGGATGAGGCA
5815	DNA; Synthetic Construct	TGCCTCATCCGTAAGGGATGTgccgctTGCCTCATCCGTAAGGGATGTgctttTGCC TCATCCGTAAGGGATGtgatctTGCCTCATCCGTAAGGGATGtacgctTGCCTCATC CGTAAGGGATG
5816	DNA; Synthetic Construct	CATCCCTTACGGATGAGGCCTgccgctCATCCCTTACGGATGAGGCCTgctttCATC CCTTACGGATGAGGCCtgatctCATCCCTTACGGATGAGGCCtacgctCATCCCTTA CGGATGAGGCC
5817	DNA; Synthetic Construct	GGCCTCATCCGTAAGGGATGTgccgctGGCCTCATCCGTAAGGGATGTgctttGGCC TCATCCGTAAGGGATGtgatctGGCCTCATCCGTAAGGGATGtacgctGGCCTCATC CGTAAGGGATG
5818	DNA; Synthetic Construct	CATCCCTTACGGATGAGGTAtgccgctCATCCCTTACGGATGAGGTAtgctttCATC CCTTACGGATGAGGTAtgatctCATCCCTTACGGATGAGGTAtacgctCATCCCTTA CGGATGAGGTA
5819	DNA; Synthetic Construct	TACCTCATCCGTAAGGGATGTgccgctTACCTCATCCGTAAGGGATGTgctttTACC TCATCCGTAAGGGATGtgatctTACCTCATCCGTAAGGGATGtacgctTACCTCATC CGTAAGGGATG
5820	DNA; Synthetic Construct	CATCCCTTACGGATGAGGTCTgccgctCATCCCTTACGGATGAGGTCTgctttCATC CCTTACGGATGAGGTCtgatctCATCCCTTACGGATGAGGTCtacgctCATCCCTTA CGGATGAGGTC
5821	DNA; Synthetic Construct	GACCTCATCCGTAAGGGATGTgccgctGACCTCATCCGTAAGGGATGTgctttGACC TCATCCGTAAGGGATGtgatctGACCTCATCCGTAAGGGATGtacgctGACCTCATC CGTAAGGGATG

5822	DNA; Synthetic Construct	CATCCCTTACGGATGAGTCAtgccgctCATCCCTTACGGATGAGTCAtgctttCATC CCTTACGGATGAGTCAtgatctCATCCCTTACGGATGAGTCAtacgctCATCCCTTA CGGATGAGTCA
5823	DNA; Synthetic Construct	TGACTCATCCGTAAGGGATGtgccgctTGACTCATCCGTAAGGGATGtgctttTGAC TCATCCGTAAGGGATGtgatctTGACTCATCCGTAAGGGATGtacgctTGACTCATC CGTAAGGGATG
5824	DNA; Synthetic Construct	CATCCCTTACGGATGAGTCCtgccgctCATCCCTTACGGATGAGTCCtgctttCATC CCTTACGGATGAGTCCtgatctCATCCCTTACGGATGAGTCCtacgctCATCCCTTA CGGATGAGTCC
5825	DNA; Synthetic Construct	GGACTCATCCGTAAGGGATGtgccgctGGACTCATCCGTAAGGGATGtgctttGGAC TCATCCGTAAGGGATGtgatctGGACTCATCCGTAAGGGATGtacgctGGACTCATC CGTAAGGGATG
5826	DNA; Synthetic Construct	CATCCCTTACGGATGAGTTAtgccgctCATCCCTTACGGATGAGTTAtgctttCATC CCTTACGGATGAGTTAtgatctCATCCCTTACGGATGAGTTAtacgctCATCCCTTA CGGATGAGTTA
5827	DNA; Synthetic Construct	TAACTCATCCGTAAGGGATGtgccgctTAACTCATCCGTAAGGGATGtgctttTAAC TCATCCGTAAGGGATGtgatctTAACTCATCCGTAAGGGATGtacgctTAACTCATC CGTAAGGGATG
5828	DNA; Synthetic Construct	CATCCCTTACGGATGAGTTCtgccgctCATCCCTTACGGATGAGTTCtgctttCATC CCTTACGGATGAGTTCtgatctCATCCCTTACGGATGAGTTCtacgctCATCCCTTA CGGATGAGTTC
5829	DNA; Synthetic Construct	GAACTCATCCGTAAGGGATGtgccgctGAACTCATCCGTAAGGGATGtgctttGAAC TCATCCGTAAGGGATGtgatctGAACTCATCCGTAAGGGATGtacgctGAACTCATC CGTAAGGGATG
5830	DNA; Synthetic Construct	CATCCCTTACGGATGACGCAtgccgctCATCCCTTACGGATGACGCAtgctttCATC CCTTACGGATGACGCAtgatctCATCCCTTACGGATGACGCAtacgctCATCCCTTA CGGATGACGCA
5831	DNA; Synthetic Construct	TGCGTCATCCGTAAGGGATGtgccgctTGCGTCATCCGTAAGGGATGtgctttTGCG TCATCCGTAAGGGATGtgatctTGCGTCATCCGTAAGGGATGtacgctTGCGTCATC CGTAAGGGATG
5832	DNA; Synthetic Construct	CATCCCTTACGGATGACGCCtgccgctCATCCCTTACGGATGACGCCtgctttCATC CCTTACGGATGACGCCtgatctCATCCCTTACGGATGACGCCtacgctCATCCCTTA CGGATGACGCC
5833	DNA; Synthetic Construct	GGCGTCATCCGTAAGGGATGtgccgctGGCGTCATCCGTAAGGGATGtgctttGGCG TCATCCGTAAGGGATGtgatctGGCGTCATCCGTAAGGGATGtacgctGGCGTCATC CGTAAGGGATG
5834	DNA; Synthetic Construct	CATCCCTTACGGATGACGTAtgccgctCATCCCTTACGGATGACGTAtgctttCATC CCTTACGGATGACGTAtgatctCATCCCTTACGGATGACGTAtacgctCATCCCTTA CGGATGACGTA
5835	DNA; Synthetic Construct	TACGTCATCCGTAAGGGATGtgccgctTACGTCATCCGTAAGGGATGtgctttTACG TCATCCGTAAGGGATGtgatctTACGTCATCCGTAAGGGATGtacgctTACGTCATC CGTAAGGGATG
5836	DNA; Synthetic Construct	CATCCCTTACGGATGACGTCtgccgctCATCCCTTACGGATGACGTCtgctttCATC CCTTACGGATGACGTCtgatctCATCCCTTACGGATGACGTCtacgctCATCCCTTA CGGATGACGTC
5837	DNA; Synthetic Construct	GACGTCATCCGTAAGGGATGtgccgctGACGTCATCCGTAAGGGATGtgctttGACG TCATCCGTAAGGGATGtgatctGACGTCATCCGTAAGGGATGtacgctGACGTCATC CGTAAGGGATG
5838	DNA; Synthetic Construct	CATCCCTTACGGATGACTCAtgccgctCATCCCTTACGGATGACTCAtgctttCATC CCTTACGGATGACTCAtgatctCATCCCTTACGGATGACTCAtacgctCATCCCTTA CGGATGACTCA
5839	DNA; Synthetic Construct	TGAGTCATCCGTAAGGGATGtgccgctTGAGTCATCCGTAAGGGATGtgctttTGAG TCATCCGTAAGGGATGtgatctTGAGTCATCCGTAAGGGATGtacgctTGAGTCATC CGTAAGGGATG

5840	DNA; Synthetic Construct	CATCCCTTACGGATGACTCCtgccgctCATCCCTTACGGATGACTCCtgctttCATC CCTTACGGATGACTCCtgatctCATCCCTTACGGATGACTCCtacgctCATCCCTTA CGGATGACTCC
5841	DNA; Synthetic Construct	GGAGTCATCCGTAAGGGATGtgccgctGGAGTCATCCGTAAGGGATGtgctttGGAG TCATCCGTAAGGGATGtgatctGGAGTCATCCGTAAGGGATGtacgctGGAGTCATC CGTAAGGGATG
5842	DNA; Synthetic Construct	CATCCCTTACGGATGACTTAtgccgctCATCCCTTACGGATGACTTAtgctttCATC CCTTACGGATGACTTAtgatctCATCCCTTACGGATGACTTAtacgctCATCCCTTA CGGATGACTTA
5843	DNA; Synthetic Construct	TAAGTCATCCGTAAGGGATGtgccgctTAAGTCATCCGTAAGGGATGtgctttTAAG TCATCCGTAAGGGATGtgatctTAAGTCATCCGTAAGGGATGtacgctTAAGTCATC CGTAAGGGATG
5844	DNA; Synthetic Construct	CATCCCTTACGGATGACTTCtgccgctCATCCCTTACGGATGACTTCtgctttCATC CCTTACGGATGACTTCtgatctCATCCCTTACGGATGACTTCtacgctCATCCCTTA CGGATGACTTC
5845	DNA; Synthetic Construct	GAAGTCATCCGTAAGGGATGtgccgctGAAGTCATCCGTAAGGGATGtgctttGAAG TCATCCGTAAGGGATGtgatctGAAGTCATCCGTAAGGGATGtacgctGAAGTCATC CGTAAGGGATG
5846	DNA; Synthetic Construct	CATCCCTTACGGGTGAGGCAtgccgctCATCCCTTACGGGTGAGGCAtgctttCATC CCTTACGGGTGAGGCAtgatctCATCCCTTACGGGTGAGGCAtacgctCATCCCTTA CGGGTGAGGCA
5847	DNA; Synthetic Construct	TGCCTCACCCGTAAGGGATGtgccgctTGCCTCACCCGTAAGGGATGtgctttTGCC TCACCCGTAAGGGATGtgatctTGCCTCACCCGTAAGGGATGtacgctTGCCTCACC CGTAAGGGATG
5848	DNA; Synthetic Construct	CATCCCTTACGGGTGAGGCCtgccgctCATCCCTTACGGGTGAGGCCtgctttCATC CCTTACGGGTGAGGCCtgatctCATCCCTTACGGGTGAGGCCtacgctCATCCCTTA CGGGTGAGGCC
5849	DNA; Synthetic Construct	GGCCTCACCCGTAAGGGATGtgccgctGGCCTCACCCGTAAGGGATGtgctttGGCC TCACCCGTAAGGGATGtgatctGGCCTCACCCGTAAGGGATGtacgctGGCCTCACC CGTAAGGGATG
5850	DNA; Synthetic Construct	CATCCCTTACGGGTGAGGTAtgccgctCATCCCTTACGGGTGAGGTAtgctttCATC CCTTACGGGTGAGGTAtgatctCATCCCTTACGGGTGAGGTAtacgctCATCCCTTA CGGGTGAGGTA
5851	DNA; Synthetic Construct	TACCTCACCCGTAAGGGATGtgccgctTACCTCACCCGTAAGGGATGtgctttTACC TCACCCGTAAGGGATGtgatctTACCTCACCCGTAAGGGATGtacgctTACCTCACC CGTAAGGGATG
5852	DNA; Synthetic Construct	CATCCCTTACGGGTGAGGTCtgccgctCATCCCTTACGGGTGAGGTCtgctttCATC CCTTACGGGTGAGGTCtgatctCATCCCTTACGGGTGAGGTCtacgctCATCCCTTA CGGGTGAGGTC
5853	DNA; Synthetic Construct	GACCTCACCCGTAAGGGATGtgccgctGACCTCACCCGTAAGGGATGtgctttGACC TCACCCGTAAGGGATGtgatctGACCTCACCCGTAAGGGATGtacgctGACCTCACC CGTAAGGGATG
5854	DNA; Synthetic Construct	CATCCCTTACGGGTGAGTCAtgccgctCATCCCTTACGGGTGAGTCAtgctttCATC CCTTACGGGTGAGTCAtgatctCATCCCTTACGGGTGAGTCAtacgctCATCCCTTA CGGGTGAGTCA
5855	DNA; Synthetic Construct	TGACTCACCCGTAAGGGATGtgccgctTGACTCACCCGTAAGGGATGtgctttTGAC TCACCCGTAAGGGATGtgatctTGACTCACCCGTAAGGGATGtacgctTGACTCACC CGTAAGGGATG
5856	DNA; Synthetic Construct	CATCCCTTACGGGTGAGTCCtgccgctCATCCCTTACGGGTGAGTCCtgctttCATC CCTTACGGGTGAGTCCtgatctCATCCCTTACGGGTGAGTCCtacgctCATCCCTTA CGGGTGAGTCC
5857	DNA; Synthetic Construct	GGACTCACCCGTAAGGGATGtgccgctGGACTCACCCGTAAGGGATGtgctttGGAC TCACCCGTAAGGGATGtgatctGGACTCACCCGTAAGGGATGtacgctGGACTCACC CGTAAGGGATG

5858	DNA; Synthetic Construct	CATCCCTTACGGGTGAGTTAtgccgctCATCCCTTACGGGTGAGTTAtgctttCATC CCTTACGGGTGAGTTAtgatctCATCCCTTACGGGTGAGTTAtacgctCATCCCTTA CGGGTGAGTTA
5859	DNA; Synthetic Construct	TAACTCACCCGTAAGGGATGtgccgctTAACTCACCCGTAAGGGATGtgctttTAAC TCACCCGTAAGGGATGtgatctTAACTCACCCGTAAGGGATGtacgctTAACTCACC CGTAAGGGATG
5860	DNA; Synthetic Construct	CATCCCTTACGGGTGAGTTCtgccgctCATCCCTTACGGGTGAGTTCtgctttCATC CCTTACGGGTGAGTTCtgatctCATCCCTTACGGGTGAGTTCtacgctCATCCCTTA CGGGTGAGTTC
5861	DNA; Synthetic Construct	GAACTCACCCGTAAGGGATGtgccgctGAACTCACCCGTAAGGGATGtgctttGAAC TCACCCGTAAGGGATGtgatctGAACTCACCCGTAAGGGATGtacgctGAACTCACC CGTAAGGGATG
5862	DNA; Synthetic Construct	CATCCCTTACGGGTGACGCAtgccgctCATCCCTTACGGGTGACGCAtgctttCATC CCTTACGGGTGACGCAtgatctCATCCCTTACGGGTGACGCAtacgctCATCCCTTA CGGGTGACGCA
5863	DNA; Synthetic Construct	TGCGTCACCCGTAAGGGATGtgccgctTGCGTCACCCGTAAGGGATGtgctttTGCG TCACCCGTAAGGGATGtgatctTGCGTCACCCGTAAGGGATGtacgctTGCGTCACC CGTAAGGGATG
5864	DNA; Synthetic Construct	CATCCCTTACGGGTGACGCCtgccgctCATCCCTTACGGGTGACGCCtgctttCATC CCTTACGGGTGACGCCtgatctCATCCCTTACGGGTGACGCCtacgctCATCCCTTA CGGGTGACGCC
5865	DNA; Synthetic Construct	GGCGTCACCCGTAAGGGATGtgccgctGGCGTCACCCGTAAGGGATGtgctttGGCG TCACCCGTAAGGGATGtgatctGGCGTCACCCGTAAGGGATGtacgctGGCGTCACC CGTAAGGGATG
5866	DNA; Synthetic Construct	CATCCCTTACGGGTGACGTAtgccgctCATCCCTTACGGGTGACGTAtgctttCATC CCTTACGGGTGACGTAtgatctCATCCCTTACGGGTGACGTAtacgctCATCCCTTA CGGGTGACGTA
5867	DNA; Synthetic Construct	TACGTCACCCGTAAGGGATGtgccgctTACGTCACCCGTAAGGGATGtgctttTACG TCACCCGTAAGGGATGtgatctTACGTCACCCGTAAGGGATGtacgctTACGTCACC CGTAAGGGATG
5868	DNA; Synthetic Construct	CATCCCTTACGGGTGACGTCtgccgctCATCCCTTACGGGTGACGTCtgctttCATC CCTTACGGGTGACGTCtgatctCATCCCTTACGGGTGACGTCtacgctCATCCCTTA CGGGTGACGTC
5869	DNA; Synthetic Construct	GACGTCACCCGTAAGGGATGtgccgctGACGTCACCCGTAAGGGATGtgctttGACG TCACCCGTAAGGGATGtgatctGACGTCACCCGTAAGGGATGtacgctGACGTCACC CGTAAGGGATG
5870	DNA; Synthetic Construct	CATCCCTTACGGGTGACTCAtgccgctCATCCCTTACGGGTGACTCAtgctttCATC CCTTACGGGTGACTCAtgatctCATCCCTTACGGGTGACTCAtacgctCATCCCTTA CGGGTGACTCA
5871	DNA; Synthetic Construct	TGAGTCACCCGTAAGGGATGtgccgctTGAGTCACCCGTAAGGGATGtgctttTGAG TCACCCGTAAGGGATGtgatctTGAGTCACCCGTAAGGGATGtacgctTGAGTCACC CGTAAGGGATG
5872	DNA; Synthetic Construct	CATCCCTTACGGGTGACTCCtgccgctCATCCCTTACGGGTGACTCCtgctttCATC CCTTACGGGTGACTCCtgatctCATCCCTTACGGGTGACTCCtacgctCATCCCTTA CGGGTGACTCC
5873	DNA; Synthetic Construct	GGAGTCACCCGTAAGGGATGtgccgctGGAGTCACCCGTAAGGGATGtgctttGGAG TCACCCGTAAGGGATGtgatctGGAGTCACCCGTAAGGGATGtacgctGGAGTCACC CGTAAGGGATG
5874	DNA; Synthetic Construct	CATCCCTTACGGGTGACTTAtgccgctCATCCCTTACGGGTGACTTAtgctttCATC CCTTACGGGTGACTTAtgatctCATCCCTTACGGGTGACTTAtacgctCATCCCTTA CGGGTGACTTA
5875	DNA; Synthetic Construct	TAAGTCACCCGTAAGGGATGtgccgctTAAGTCACCCGTAAGGGATGtgctttTAAG TCACCCGTAAGGGATGtgatctTAAGTCACCCGTAAGGGATGtacgctTAAGTCACC CGTAAGGGATG

5876	DNA; Synthetic Construct	CATCCCTTACGGGTGACTTCtgccgctCATCCCTTACGGGTGACTTCtgctttCATC CCTTACGGGTGACTTCtgatctCATCCCTTACGGGTGACTTCtacgctCATCCCTTA CGGGTGACTTC
5877	DNA; Synthetic Construct	GAAGTCACCCGTAAGGGATGtgccgctGAAGTCACCCGTAAGGGATGtgctttGAAG TCACCCGTAAGGGATGtgatctGAAGTCACCCGTAAGGGATGtacgctGAAGTCACC CGTAAGGGATG
5878	DNA; Synthetic Construct	TGACGTCAtacgctTGACGTCAtgccgctTGACGTCAtgctttTGACGTCAtgatct TGACGTCAtacgctTGACGTCAtgccgctTGACGTCAtgctttTGACGTCAtgatct TGACGTCAtacgctTGACGTCA
5879	DNA; Synthetic Construct	TGACGTCAtacgctTGACGTCAtgccgctTGACGTCAtgctttTGACGTCAtgatct TGACGTCAtacgctTGACGTCAtgccgctTGACGTCAtgctttTGACGTCAtgatct TGACGTCAtacgctTGACGTCA
5880	DNA; Synthetic Construct	CCTGTCAATCAtgccgctCCTGTCAATCAtgctttCCTGTCAATCAtgatctCCTGT CAATCAtacgctCCTGTCAATCAtgccgctCCTGTCAATCAtgctttCCTGTCAATC AtgatctCCTGTCAATCAtacgctCCTGTCAATCA
5881	DNA; Synthetic Construct	TGATTGACAGGtgccgctTGATTGACAGGtgctttTGATTGACAGGtgatctTGATT GACAGGtacgctTGATTGACAGGtgccgctTGATTGACAGGtgctttTGATTGACAG GtgatctTGATTGACAGGtacgctTGATTGACAGG
5882	DNA; Synthetic Construct	GACCACCCAAGtgccgctGACCACCCAAGtgctttGACCACCCAAGtgatctGACCA CCCAAGtacgctGACCACCCAAGtgccgctGACCACCCAAGtgctttGACCACCCAA GtgatctGACCACCCAAGtacgctGACCACCCAAG
5883	DNA; Synthetic Construct	CTTGGGTGGTCtgccgctCTTGGGTGGTCtgctttCTTGGGTGGTCtgatctCTTGG GTGGTCtacgctCTTGGGTGGTCtgccgctCTTGGGTGGTCtgctttCTTGGGTGGT CtgatctCTTGGGTGGTCtacgctCTTGGGTGGTC
5884	DNA; Synthetic Construct	GACCACCCACGtgccgctGACCACCCACGtgctttGACCACCCACGtgatctGACCA CCCACGtacgctGACCACCCACGtgccgctGACCACCCACGtgctttGACCACCCAC GtgatctGACCACCCACGtacgctGACCACCCACG
5885	DNA; Synthetic Construct	CGTGGGTGGTCtgccgctCGTGGGTGGTCtgctttCGTGGGTGGTCtgatctCGTGG GTGGTCtacgctCGTGGGTGGTCtgccgctCGTGGGTGGTCtgctttCGTGGGTGGT CtgatctCGTGGGTGGTCtacgctCGTGGGTGGTC
5886	DNA; Synthetic Construct	AAGTGCTGAGTCAGCAGAAtacgctAAGTGCTGAGTCAGCAGAAtgccgctAAGTGC TGAGTCAGCAGAAtgctttAAGTGCTGAGTCAGCAGAAtgatctAAGTGCTGAGTCA GCAGAAtacgctAAGTGCTGAGTCAGCAGAA
5887	DNA; Synthetic Construct	TTCTGCTGACTCAGCACTTtacgcttTTCTGCTGACTCAGCACTTtgccgctTTCTGC TGACTCAGCACTTtgctttTTCTGCTGACTCAGCACTTtgatctTTCTGCTGACTCA GCACTTtacgctTTCTGCTGACTCAGCACTT
5888	DNA; Synthetic Construct	AAGTGCTGAGTCAGCAGATtacgctAAGTGCTGAGTCAGCAGATtgccgctAAGTGC TGAGTCAGCAGATtgctttAAGTGCTGAGTCAGCAGATtgatctAAGTGCTGAGTCA GCAGATtacgctAAGTGCTGAGTCAGCAGAT
5889	DNA; Synthetic Construct	ATCTGCTGACTCAGCACTTtacgctATCTGCTGACTCAGCACTTtgccgctATCTGC TGACTCAGCACTTtgctttATCTGCTGACTCAGCACTTtgatctATCTGCTGACTCA GCACTTtacgctATCTGCTGACTCAGCACTT
5890	DNA; Synthetic Construct	AAGTGCTGAGTCAGCAGTAtacgctAAGTGCTGAGTCAGCAGTAtgccgctAAGTGC TGAGTCAGCAGTAtgctttAAGTGCTGAGTCAGCAGTAtgatctAAGTGCTGAGTCA GCAGTAtacgctAAGTGCTGAGTCAGCAGTA
5891	DNA; Synthetic Construct	TACTGCTGACTCAGCACTTtacgctTACTGCTGACTCAGCACTTtgccgctTACTGC TGACTCAGCACTTtgctttTACTGCTGACTCAGCACTTtgatctTACTGCTGACTCA GCACTTtacgctTACTGCTGACTCAGCACTT
5892	DNA; Synthetic Construct	AAGTGCTGAGTCAGCAGTTtacgctAAGTGCTGAGTCAGCAGTTtgccgctAAGTGC TGAGTCAGCAGTTtgctttAAGTGCTGAGTCAGCAGTTtgatctAAGTGCTGAGTCA GCAGTTtacgctAAGTGCTGAGTCAGCAGTT
5893	DNA; Synthetic Construct	AACTGCTGACTCAGCACTTtacgctAACTGCTGACTCAGCACTTtgccgctAACTGC TGACTCAGCACTTtgctttAACTGCTGACTCAGCACTTtgatctAACTGCTGACTCA GCACTTtacgctAACTGCTGACTCAGCACTT

5894	DNA; Synthetic Construct	AAGTGCTGACTCAGCAGAAtacgctAAGTGCTGACTCAGCAGAAtgccgctAAGTGC TGACTCAGCAGAAtgctttAAGTGCTGACTCAGCAGAAtgatctAAGTGCTGACTCA GCAGAAtacgctAAGTGCTGACTCAGCAGAA
5895	DNA; Synthetic Construct	TTCTGCTGAGTCAGCACTTtacgcttTTCTGCTGAGTCAGCACTTtgccgctTTCTGC TGAGTCAGCACTTtgctttTTCTGCTGAGTCAGCACTTtgatctTTCTGCTGAGTCA GCACTTtacgcttTTCTGCTGAGTCAGCACTT
5896	DNA; Synthetic Construct	AAGTGCTGACTCAGCAGATtacgctAAGTGCTGACTCAGCAGATtgccgctAAGTGC TGACTCAGCAGATtgctttAAGTGCTGACTCAGCAGATtgatctAAGTGCTGACTCA GCAGATtacgctAAGTGCTGACTCAGCAGAT
5897	DNA; Synthetic Construct	ATCTGCTGAGTCAGCACTTtacgctATCTGCTGAGTCAGCACTTtgccgctATCTGC TGAGTCAGCACTTtgctttATCTGCTGAGTCAGCACTTtgatctATCTGCTGAGTCA GCACTTtacgctATCTGCTGAGTCAGCACTT
5898	DNA; Synthetic Construct	AAGTGCTGACTCAGCAGTAtacgctAAGTGCTGACTCAGCAGTAtgccgctAAGTGC TGACTCAGCAGTAtgctttAAGTGCTGACTCAGCAGTAtgatctAAGTGCTGACTCA GCAGTAtacgctAAGTGCTGACTCAGCAGTA
5899	DNA; Synthetic Construct	TACTGCTGAGTCAGCACTTtacgctTACTGCTGAGTCAGCACTTtgccgctTACTGC TGAGTCAGCACTTtgctttTACTGCTGAGTCAGCACTTtgatctTACTGCTGAGTCA GCACTTtacgctTACTGCTGAGTCAGCACTT
5900	DNA; Synthetic Construct	AAGTGCTGACTCAGCAGTTtacgctAAGTGCTGACTCAGCAGTTtgccgctAAGTGC TGACTCAGCAGTTtgctttAAGTGCTGACTCAGCAGTTtgatctAAGTGCTGACTCA GCAGTTtacgctAAGTGCTGACTCAGCAGTT
5901	DNA; Synthetic Construct	AACTGCTGAGTCAGCACTTtacgctAACTGCTGAGTCAGCACTTtgccgctAACTGC TGAGTCAGCACTTtgctttAACTGCTGAGTCAGCACTTtgatctAACTGCTGAGTCA GCACTTtacgctAACTGCTGAGTCAGCACTT
5902	DNA; Synthetic Construct	ATGTGCTGAGTCAGCAGAAtacgctATGTGCTGAGTCAGCAGAAtgccgctATGTGC TGAGTCAGCAGAAtgctttATGTGCTGAGTCAGCAGAAtgatctATGTGCTGAGTCA GCAGAAtacgctATGTGCTGAGTCAGCAGAA
5903	DNA; Synthetic Construct	TTCTGCTGACTCAGCACATtacgctTTCTGCTGACTCAGCACATtgccgctTTCTGC TGACTCAGCACATtgctttTTCTGCTGACTCAGCACATtgatctTTCTGCTGACTCA GCACATtacgctTTCTGCTGACTCAGCACAT
5904	DNA; Synthetic Construct	ATGTGCTGAGTCAGCAGATtacgctATGTGCTGAGTCAGCAGATtgccgctATGTGC TGAGTCAGCAGATtgctttATGTGCTGAGTCAGCAGATtgatctATGTGCTGAGTCA GCAGATtacgctATGTGCTGAGTCAGCAGAT
5905	DNA; Synthetic Construct	ATCTGCTGACTCAGCACATtacgctATCTGCTGACTCAGCACATtgccgctATCTGC TGACTCAGCACATtgctttATCTGCTGACTCAGCACATtgatctATCTGCTGACTCA GCACATtacgctATCTGCTGACTCAGCACAT
5906	DNA; Synthetic Construct	ATGTGCTGAGTCAGCAGTAtacgctATGTGCTGAGTCAGCAGTAtgccgctATGTGC TGAGTCAGCAGTAtgctttATGTGCTGAGTCAGCAGTAtgatctATGTGCTGAGTCA GCAGTAtacgctATGTGCTGAGTCAGCAGTA
5907	DNA; Synthetic Construct	TACTGCTGACTCAGCACATtacgctTACTGCTGACTCAGCACATtgccgctTACTGC TGACTCAGCACATtgctttTACTGCTGACTCAGCACATtgatctTACTGCTGACTCA GCACATtacgctTACTGCTGACTCAGCACAT
5908	DNA; Synthetic Construct	ATGTGCTGAGTCAGCAGTTtacgctATGTGCTGAGTCAGCAGTTtgccgctATGTGC TGAGTCAGCAGTTtgctttATGTGCTGAGTCAGCAGTTtgatctATGTGCTGAGTCA GCAGTTtacgctATGTGCTGAGTCAGCAGTT
5909	DNA; Synthetic Construct	AACTGCTGACTCAGCACATtacgctAACTGCTGACTCAGCACATtgccgctAACTGC TGACTCAGCACATtgctttAACTGCTGACTCAGCACATtgatctAACTGCTGACTCA GCACATtacgctAACTGCTGACTCAGCACAT
5910	DNA; Synthetic Construct	ATGTGCTGACTCAGCAGAAtacgctATGTGCTGACTCAGCAGAAtgccgctATGTGC TGACTCAGCAGAAtgctttATGTGCTGACTCAGCAGAAtgatctATGTGCTGACTCA GCAGAAtacgctATGTGCTGACTCAGCAGAA
5911	DNA; Synthetic Construct	TTCTGCTGAGTCAGCACATtacgctTTCTGCTGAGTCAGCACATtgccgctTTCTGC TGAGTCAGCACATtgctttTTCTGCTGAGTCAGCACATtgatctTTCTGCTGAGTCA GCACATtacgctTTCTGCTGAGTCAGCACAT

5912	DNA; Synthetic Construct	ATGTGCTGACTCAGCAGATtacgctATGTGCTGACTCAGCAGATtgccgctATGTGC TGACTCAGCAGATtgctttATGTGCTGACTCAGCAGATtgatctATGTGCTGACTCA GCAGATtacgctATGTGCTGACTCAGCAGAT
5913	DNA; Synthetic Construct	ATCTGCTGAGTCAGCACATtacgctATCTGCTGAGTCAGCACATtgccgctATCTGC TGAGTCAGCACATtgctttATCTGCTGAGTCAGCACATtgatctATCTGCTGAGTCA GCACATtacgctATCTGCTGAGTCAGCACAT
5914	DNA; Synthetic Construct	ATGTGCTGACTCAGCAGTAtacgctATGTGCTGACTCAGCAGTAtgccgctATGTGC TGACTCAGCAGTAtgctttATGTGCTGACTCAGCAGTAtgatctATGTGCTGACTCA GCAGTAtacgctATGTGCTGACTCAGCAGTA
5915	DNA; Synthetic Construct	TACTGCTGAGTCAGCACATtacgctTACTGCTGAGTCAGCACATtgccgctTACTGC TGAGTCAGCACATtgctttTACTGCTGAGTCAGCACATtgatctTACTGCTGAGTCA GCACATtacgctTACTGCTGAGTCAGCACAT
5916	DNA; Synthetic Construct	ATGTGCTGACTCAGCAGTTtacgctATGTGCTGACTCAGCAGTTtgccgctATGTGC TGACTCAGCAGTTtgctttATGTGCTGACTCAGCAGTTtgatctATGTGCTGACTCA GCAGTTtacgctATGTGCTGACTCAGCAGTT
5917	DNA; Synthetic Construct	AACTGCTGAGTCAGCACATtacgctAACTGCTGAGTCAGCACATtgccgctAACTGC TGAGTCAGCACATtgctttAACTGCTGAGTCAGCACATtgatctAACTGCTGAGTCA GCACATtacgctAACTGCTGAGTCAGCACAT
5918	DNA; Synthetic Construct	TAGTGCTGAGTCAGCAGAAtacgctTAGTGCTGAGTCAGCAGAAtgccgctTAGTGC TGAGTCAGCAGAAtgctttTAGTGCTGAGTCAGCAGAAtgatctTAGTGCTGAGTCA GCAGAAtacgctTAGTGCTGAGTCAGCAGAA
5919	DNA; Synthetic Construct	TTCTGCTGACTCAGCACTAtacgcttTTCTGCTGACTCAGCACTAtgccgctTTCTGC TGACTCAGCACTAtgctttTTCTGCTGACTCAGCACTAtgatctTTCTGCTGACTCA GCACTAtacgcttTTCTGCTGACTCAGCACTA
5920	DNA; Synthetic Construct	TAGTGCTGAGTCAGCAGATtacgctTAGTGCTGAGTCAGCAGATtgccgctTAGTGC TGAGTCAGCAGATtgctttTAGTGCTGAGTCAGCAGATtgatctTAGTGCTGAGTCA GCAGATtacgctTAGTGCTGAGTCAGCAGAT
5921	DNA; Synthetic Construct	ATCTGCTGACTCAGCACTAtacgctATCTGCTGACTCAGCACTAtgccgctATCTGC TGACTCAGCACTAtgctttATCTGCTGACTCAGCACTAtgatctATCTGCTGACTCA GCACTAtacgctATCTGCTGACTCAGCACTA
5922	DNA; Synthetic Construct	TAGTGCTGAGTCAGCAGTAtacgctTAGTGCTGAGTCAGCAGTAtgccgctTAGTGC TGAGTCAGCAGTAtgctttTAGTGCTGAGTCAGCAGTAtgatctTAGTGCTGAGTCA GCAGTAtacgctTAGTGCTGAGTCAGCAGTA
5923	DNA; Synthetic Construct	TACTGCTGACTCAGCACTAtacgctTACTGCTGACTCAGCACTAtgccgctTACTGC TGACTCAGCACTAtgctttTACTGCTGACTCAGCACTAtgatctTACTGCTGACTCA GCACTAtacgctTACTGCTGACTCAGCACTA
5924	DNA; Synthetic Construct	TAGTGCTGAGTCAGCAGTTtacgctTAGTGCTGAGTCAGCAGTTtgccgctTAGTGC TGAGTCAGCAGTTtgctttTAGTGCTGAGTCAGCAGTTtgatctTAGTGCTGAGTCA GCAGTTtacgctTAGTGCTGAGTCAGCAGTT
5925	DNA; Synthetic Construct	AACTGCTGACTCAGCACTAtacgctAACTGCTGACTCAGCACTAtgccgctAACTGC TGACTCAGCACTAtgctttAACTGCTGACTCAGCACTAtgatctAACTGCTGACTCA GCACTAtacgctAACTGCTGACTCAGCACTA
5926	DNA; Synthetic Construct	TAGTGCTGACTCAGCAGAAtacgctTAGTGCTGACTCAGCAGAAtgccgctTAGTGC TGACTCAGCAGAAtgctttTAGTGCTGACTCAGCAGAAtgatctTAGTGCTGACTCA GCAGAAtacgctTAGTGCTGACTCAGCAGAA
5927	DNA; Synthetic Construct	TTCTGCTGAGTCAGCACTAtacgcttTTCTGCTGAGTCAGCACTAtgccgctTTCTGC TGAGTCAGCACTAtgctttTTCTGCTGAGTCAGCACTAtgatctTTCTGCTGAGTCA GCACTAtacgcttTTCTGCTGAGTCAGCACTA
5928	DNA; Synthetic Construct	TAGTGCTGACTCAGCAGATtacgctTAGTGCTGACTCAGCAGATtgccgctTAGTGC TGACTCAGCAGATtgctttTAGTGCTGACTCAGCAGATtgatctTAGTGCTGACTCA GCAGATtacgctTAGTGCTGACTCAGCAGAT
5929	DNA; Synthetic Construct	ATCTGCTGAGTCAGCACTAtacgctATCTGCTGAGTCAGCACTAtgccgctATCTGC TGAGTCAGCACTAtgctttATCTGCTGAGTCAGCACTAtgatctATCTGCTGAGTCA GCACTAtacgctATCTGCTGAGTCAGCACTA

5930	DNA; Synthetic Construct	TAGTGCTGACTCAGCAGTAtacgcttAGTGCTGACTCAGCAGTAtgccgctTAGTGC TGACTCAGCAGTAtgctttTAGTGCTGACTCAGCAGTAtgatctTAGTGCTGACTCA GCAGTAtacgcttAGTGCTGACTCAGCAGTA
5931	DNA; Synthetic Construct	TACTGCTGAGTCAGCACTAtacgcttACTGCTGAGTCAGCACTAtgccgctTACTGC TGAGTCAGCACTAtgctttACTGCTGAGTCAGCACTAtgatctTACTGCTGAGTCA GCACTAtacgcttACTGCTGAGTCAGCACTA
5932	DNA; Synthetic Construct	TAGTGCTGACTCAGCAGTTtacgcttAGTGCTGACTCAGCAGTTtgccgctTAGTGC TGACTCAGCAGTTtgctttAGTGCTGACTCAGCAGTTtgatctTAGTGCTGACTCA GCAGTTtacgcttAGTGCTGACTCAGCAGTT
5933	DNA; Synthetic Construct	AACTGCTGAGTCAGCACTAtacgctAACTGCTGAGTCAGCACTAtgccgctAACTGC TGAGTCAGCACTAtgctttAACTGCTGAGTCAGCACTAtgatctAACTGCTGAGTCA GCACTAtacgctAACTGCTGAGTCAGCACTA
5934	DNA; Synthetic Construct	TTGTGCTGAGTCAGCAGAAtacgcttTTGTGCTGAGTCAGCAGAAtgccgctTTGTGC TGAGTCAGCAGAAtgctttTTGTGCTGAGTCAGCAGAAtgatctTTGTGCTGAGTCA GCAGAAtacgcttTTGTGCTGAGTCAGCAGAA
5935	DNA; Synthetic Construct	TTCTGCTGACTCAGCACAAtacgcttTTCTGCTGACTCAGCACAAtgccgctTTCTGC TGACTCAGCACAAtgctttTTCTGCTGACTCAGCACAAtgatctTTCTGCTGACTCA GCACAAtacgcttTTCTGCTGACTCAGCACAA
5936	DNA; Synthetic Construct	TTGTGCTGAGTCAGCAGATtacgcttTTGTGCTGAGTCAGCAGATtgccgctTTGTGC TGAGTCAGCAGATtgctttTTGTGCTGAGTCAGCAGATtgatctTTGTGCTGAGTCA GCAGATtacgcttTTGTGCTGAGTCAGCAGAT
5937	DNA; Synthetic Construct	ATCTGCTGACTCAGCACAAtacgctATCTGCTGACTCAGCACAAtgccgctATCTGC TGACTCAGCACAAtgctttATCTGCTGACTCAGCACAAtgatctATCTGCTGACTCA GCACAAtacgctATCTGCTGACTCAGCACAA
5938	DNA; Synthetic Construct	TTGTGCTGAGTCAGCAGTAtacgcttTTGTGCTGAGTCAGCAGTAtgccgctTTGTGC TGAGTCAGCAGTAtgctttTTGTGCTGAGTCAGCAGTAtgatctTTGTGCTGAGTCA GCAGTAtacgcttTTGTGCTGAGTCAGCAGTA
5939	DNA; Synthetic Construct	TACTGCTGACTCAGCACAAtacgcttTACTGCTGACTCAGCACAAtgccgctTACTGC TGACTCAGCACAAtgctttTACTGCTGACTCAGCACAAtgatctTACTGCTGACTCA GCACAAtacgcttTACTGCTGACTCAGCACAA
5940	DNA; Synthetic Construct	TTGTGCTGAGTCAGCAGTTtacgcttTTGTGCTGAGTCAGCAGTTtgccgctTTGTGC TGAGTCAGCAGTTtgctttTTGTGCTGAGTCAGCAGTTtgatctTTGTGCTGAGTCA GCAGTTtacgcttTTGTGCTGAGTCAGCAGTT
5941	DNA; Synthetic Construct	AACTGCTGACTCAGCACAAtacgctAACTGCTGACTCAGCACAAtgccgctAACTGC TGACTCAGCACAAtgctttAACTGCTGACTCAGCACAAtgatctAACTGCTGACTCA GCACAAtacgctAACTGCTGACTCAGCACAA
5942	DNA; Synthetic Construct	TTGTGCTGACTCAGCAGAAtacgcttTTGTGCTGACTCAGCAGAAtgccgctTTGTGC TGACTCAGCAGAAtgctttTTGTGCTGACTCAGCAGAAtgatctTTGTGCTGACTCA GCAGAAtacgcttTTGTGCTGACTCAGCAGAA
5943	DNA; Synthetic Construct	TTCTGCTGAGTCAGCACAAtacgcttTTCTGCTGAGTCAGCACAAtgccgctTTCTGC TGAGTCAGCACAAtgctttTTCTGCTGAGTCAGCACAAtgatctTTCTGCTGAGTCA GCACAAtacgcttTTCTGCTGAGTCAGCACAA
5944	DNA; Synthetic Construct	TTGTGCTGACTCAGCAGATtacgcttTTGTGCTGACTCAGCAGATtgccgctTTGTGC TGACTCAGCAGATtgctttTTGTGCTGACTCAGCAGATtgatctTTGTGCTGACTCA GCAGATtacgcttTTGTGCTGACTCAGCAGAT
5945	DNA; Synthetic Construct	ATCTGCTGAGTCAGCACAAtacgctATCTGCTGAGTCAGCACAAtgccgctATCTGC TGAGTCAGCACAAtgctttATCTGCTGAGTCAGCACAAtgatctATCTGCTGAGTCA GCACAAtacgctATCTGCTGAGTCAGCACAA
5946	DNA; Synthetic Construct	TTGTGCTGACTCAGCAGTAtacgcttTTGTGCTGACTCAGCAGTAtgccgctTTGTGC TGACTCAGCAGTAtgctttTTGTGCTGACTCAGCAGTAtgatctTTGTGCTGACTCA GCAGTAtacgcttTTGTGCTGACTCAGCAGTA
5947	DNA; Synthetic Construct	TACTGCTGAGTCAGCACAAtacgcttTACTGCTGAGTCAGCACAAtgccgctTACTGC TGAGTCAGCACAAtgctttTACTGCTGAGTCAGCACAAtgatctTACTGCTGAGTCA GCACAAtacgcttTACTGCTGAGTCAGCACAA

5948	DNA; Synthetic Construct	TTGTGCTGACTCAGCAGTTtacgctTTGTGCTGACTCAGCAGTTtgccgctTTGTGC TGACTCAGCAGTTtgctttTTGTGCTGACTCAGCAGTTtgatctTTGTGCTGACTCA GCAGTTtacgctTTGTGCTGACTCAGCAGTT
5949	DNA; Synthetic Construct	AACTGCTGAGTCAGCACAAtacgctAACTGCTGAGTCAGCACAAtgccgctAACTGC TGAGTCAGCACAAtgctttAACTGCTGAGTCAGCACAAtgatctAACTGCTGAGTCA GCACAAtacgctAACTGCTGAGTCAGCACAA
5950	DNA; Synthetic Construct	TGCTGACTCAtgccgctTGCTGACTCAtgctttTGCTGACTCAtgatctTGCTGACT CAtacgctTGCTGACTCAtgccgctTGCTGACTCAtgctttTGCTGACTCAtgatct TGCTGACTCAtacgctTGCTGACTCA
5951	DNA; Synthetic Construct	TGAGTCAGCAtgccgctTGAGTCAGCAtgctttTGAGTCAGCAtgatctTGAGTCAG CAtacgctTGAGTCAGCAtgccgctTGAGTCAGCAtgctttTGAGTCAGCAtgatct TGAGTCAGCAtacgctTGAGTCAGCA
5952	DNA; Synthetic Construct	GATGACGTCACtgccgctGATGACGTCACtgctttGATGACGTCACtgatctGATGA CGTCACtacgctGATGACGTCACtgccgctGATGACGTCACtgctttGATGACGTCA CtgatctGATGACGTCACtacgctGATGACGTCAC
5953	DNA; Synthetic Construct	GTGACGTCATCtgccgctGTGACGTCATCtgctttGTGACGTCATCtgatctGTGAC GTCATCtacgctGTGACGTCATCtgccgctGTGACGTCATCtgctttGTGACGTCAT CtgatctGTGACGTCATCtacgctGTGACGTCATC
5954	DNA; Synthetic Construct	GATGACGTCATtgccgctGATGACGTCATtgctttGATGACGTCATtgatctGATGA CGTCATtacgctGATGACGTCATtgccgctGATGACGTCATtgctttGATGACGTCA TtgatctGATGACGTCATtacgctGATGACGTCAT
5955	DNA; Synthetic Construct	ATGACGTCATCtgccgctATGACGTCATCtgctttATGACGTCATCtgatctATGAC GTCATCtacgctATGACGTCATCtgccgctATGACGTCATCtgctttATGACGTCAT CtgatctATGACGTCATCtacgctATGACGTCATC
5956	DNA; Synthetic Construct	GGTGACGTCACtgccgctGGTGACGTCACtgctttGGTGACGTCACtgatctGGTGA CGTCACtacgctGGTGACGTCACtgccgctGGTGACGTCACtgctttGGTGACGTCA CtgatctGGTGACGTCACtacgctGGTGACGTCAC
5957	DNA; Synthetic Construct	GTGACGTCACCtgccgctGTGACGTCACCtgctttGTGACGTCACCtgatctGTGAC GTCACCtacgctGTGACGTCACCtgccgctGTGACGTCACCtgctttGTGACGTCAC CtgatctGTGACGTCACCtacgctGTGACGTCACC
5958	DNA; Synthetic Construct	GGTGACGTCATtgccgctGGTGACGTCATtgctttGGTGACGTCATtgatctGGTGA CGTCATtacgctGGTGACGTCATtgccgctGGTGACGTCATtgctttGGTGACGTCA TtgatctGGTGACGTCATtacgctGGTGACGTCAT
5959	DNA; Synthetic Construct	ATGACGTCACCtgccgctATGACGTCACCtgctttATGACGTCACCtgatctATGAC GTCACCtacgctATGACGTCACCtgccgctATGACGTCACCtgctttATGACGTCAC CtgatctATGACGTCACCtacgctATGACGTCACC
5960	DNA; Synthetic Construct	GGTCGTAAAAtgccgctGGTCGTAAAAtgctttGGTCGTAAAAtgatctGGTCGTAA AAtacgctGGTCGTAAAAtgccgctGGTCGTAAAAtgctttGGTCGTAAAAtgatct GGTCGTAAAAtacgctGGTCGTAAAA
5961	DNA; Synthetic Construct	TTTTACGACCtgccgctTTTTACGACCtgctttTTTTACGACCtgatctTTTTACGA CCtacgctTTTTACGACCtgccgctTTTTACGACCtgctttTTTTACGACCtgatct TTTTACGACCtacgctTTTTACGACC
5962	DNA; Synthetic Construct	AGGTCTCTAACCtgctttAGGTCTCTAACCtgatctAGGTCTCTAACCtacgctAGG TCTCTAACCtgccgctAGGTCTCTAACCtgctttAGGTCTCTAACCtgatctAGGTC TCTAACCtacgctAGGTCTCTAACC
5963	DNA; Synthetic Construct	GGTTAGAGACCTtgctttGGTTAGAGACCTtgatctGGTTAGAGACCTtacgctGGT TAGAGACCTtgccgctGGTTAGAGACCTtgctttGGTTAGAGACCTtgatctGGTTA GAGACCTtacgctGGTTAGAGACCT
5964	DNA; Synthetic Construct	AAGGTCAtgatctAAGGTCAtacgctAAGGTCAtgccgctAAGGTCAtgctttAAGG TCAtgatctAAGGTCAtacgctAAGGTCAtgccgctAAGGTCAtgctttAAGGTCAt gatctAAGGTCAtacgctAAGGTCA
5965	DNA; Synthetic Construct	TGACCTTtgatctTGACCTTtacgctTGACCTTtgccgctTGACCTTtgctttTGAC CTTtgatctTGACCTTtacgctTGACCTTtgccgctTGACCTTtgctttTGACCTTt gatctTGACCTTtacgctTGACCTT

5966	DNA; Synthetic Construct	AGGGTCAtgatctAGGGTCAtacgctAGGGTCAtgccgctAGGGTCAtgctttAGGG TCAtgatctAGGGTCAtacgctAGGGTCAtgccgctAGGGTCAtgctttAGGGTCAt gatctAGGGTCAtacgctAGGGTCA
5967	DNA; Synthetic Construct	TGACCCTtgatctTGACCCTtacgctTGACCCTtgccgctTGACCCTtgctttTGAC CCTtgatctTGACCCTtacgctTGACCCTtgccgctTGACCCTtgctttTGACCCTt gatctTGACCCTtacgctTGACCCT
5968	DNA; Synthetic Construct	GAGGTCAtgatctGAGGTCAtacgctGAGGTCAtgccgctGAGGTCAtgctttGAGG TCAtgatctGAGGTCAtacgctGAGGTCAtgccgctGAGGTCAtgctttGAGGTCAt gatctGAGGTCAtacgctGAGGTCA
5969	DNA; Synthetic Construct	TGACCTCtgatctTGACCTCtacgctTGACCTCtgccgctTGACCTCtgctttTGAC CTCtgatctTGACCTCtacgctTGACCTCtgccgctTGACCTCtgctttTGACCTCt gatctTGACCTCtacgctTGACCTC
5970	DNA; Synthetic Construct	GGGGTCAtgatctGGGGTCAtacgctGGGGTCAtgccgctGGGGTCAtgctttGGGG TCAtgatctGGGGTCAtacgctGGGGTCAtgccgctGGGGTCAtgctttGGGGTCAt gatctGGGGTCAtacgctGGGGTCA
5971	DNA; Synthetic Construct	TGACCCCtgatctTGACCCCtacgctTGACCCCtgccgctTGACCCCtgctttTGAC CCCtgatctTGACCCCtacgctTGACCCCtgccgctTGACCCCtgctttTGACCCCt gatctTGACCCCtacgctTGACCCC
5972	DNA; Synthetic Construct	CGGCCCTTTTATGACCAGGCtgccgctCGGCCCTTTTATGACCAGGCtgctttCGGC CCTTTTATGACCAGGCtgatctCGGCCCTTTTATGACCAGGCtacgctCGGCCCTTT TATGACCAGGC
5973	DNA; Synthetic Construct	GCCTGGTCATAAAAGGGCCGtgccgctGCCTGGTCATAAAAGGGCCGtgctttGCCT GGTCATAAAAGGGCCGtgatctGCCTGGTCATAAAAGGGCCGtacgctGCCTGGTCA TAAAAGGGCCG
5974	DNA; Synthetic Construct	CGGCCCTTTTTTGACCAGGCtgccgctCGGCCCTTTTTTGACCAGGCtgctttCGGC CCTTTTTTGACCAGGCtgatctCGGCCCTTTTTTGACCAGGCtacgctCGGCCCTTT TTTGACCAGGC
5975	DNA; Synthetic Construct	GCCTGGTCAAAAAAGGGCCGtgccgctGCCTGGTCAAAAAAGGGCCGtgctttGCCT GGTCAAAAAAGGGCCGtgatctGCCTGGTCAAAAAAGGGCCGtacgctGCCTGGTCA AAAAAGGGCCG
5976	DNA; Synthetic Construct	CGGCCTTTTTATGACCAGGCtgccgctCGGCCTTTTTATGACCAGGCtgctttCGGC CTTTTTATGACCAGGCtgatctCGGCCTTTTTATGACCAGGCtacgctCGGCCTTTT TATGACCAGGC
5977	DNA; Synthetic Construct	GCCTGGTCATAAAAAGGCCGtgccgctGCCTGGTCATAAAAAGGCCGtgctttGCCT GGTCATAAAAAGGCCGtgatctGCCTGGTCATAAAAAGGCCGtacgctGCCTGGTCA TAAAAAGGCCG
5978	DNA; Synthetic Construct	CGGCCTTTTTTTGACCAGGCtgccgctCGGCCTTTTTTTGACCAGGCtgctttCGGC CTTTTTTTGACCAGGCtgatctCGGCCTTTTTTTGACCAGGCtacgctCGGCCTTTT TTTGACCAGGC
5979	DNA; Synthetic Construct	GCCTGGTCAAAAAAAGGCCGtgccgctGCCTGGTCAAAAAAAGGCCGtgctttGCCT GGTCAAAAAAAGGCCGtgatctGCCTGGTCAAAAAAAGGCCGtacgctGCCTGGTCA AAAAAAGGCCG
5980	DNA; Synthetic Construct	CGGCTCTTTTATGACCAGGCtgccgctCGGCTCTTTTATGACCAGGCtgctttCGGC TCTTTTATGACCAGGCtgatctCGGCTCTTTTATGACCAGGCtacgctCGGCTCTTT TATGACCAGGC
5981	DNA; Synthetic Construct	GCCTGGTCATAAAAGAGCCGtgccgctGCCTGGTCATAAAAGAGCCGtgctttGCCT GGTCATAAAAGAGCCGtgatctGCCTGGTCATAAAAGAGCCGtacgctGCCTGGTCA TAAAAGAGCCG
5982	DNA; Synthetic Construct	CGGCTCTTTTTTGACCAGGCtgccgctCGGCTCTTTTTTGACCAGGCtgctttCGGC TCTTTTTTGACCAGGCtgatctCGGCTCTTTTTTGACCAGGCtacgctCGGCTCTTT TTTGACCAGGC
5983	DNA; Synthetic Construct	GCCTGGTCAAAAAAGAGCCGtgccgctGCCTGGTCAAAAAAGAGCCGtgctttGCCT GGTCAAAAAAGAGCCGtgatctGCCTGGTCAAAAAAGAGCCGtacgctGCCTGGTCA AAAAAGAGCCG

5984	DNA; Synthetic Construct	CGGCTTTTTTATGACCAGGCtgccgctCGGCTTTTTTATGACCAGGCtgctttCGGC TTTTTTATGACCAGGCtgatctCGGCTTTTTTATGACCAGGCtacgctCGGCTTTTT TATGACCAGGC
5985	DNA; Synthetic Construct	GCCTGGTCATAAAAAAGCCGtgccgctGCCTGGTCATAAAAAAGCCGtgctttGCCT GGTCATAAAAAAGCCGtgatctGCCTGGTCATAAAAAAGCCGtacgctGCCTGGTCA TAAAAAAGCCG
5986	DNA; Synthetic Construct	CGGCTTTTTTTTGACCAGGCtgccgctCGGCTTTTTTTTGACCAGGCtgctttCGGC TTTTTTTTGACCAGGCtgatctCGGCTTTTTTTTGACCAGGCtacgctCGGCTTTTT TTTGACCAGGC
5987	DNA; Synthetic Construct	GCCTGGTCAAAAAAAAGCCGtgccgctGCCTGGTCAAAAAAAAGCCGtgctttGCCT GGTCAAAAAAAAGCCGtgatctGCCTGGTCAAAAAAAAGCCGtacgctGCCTGGTCA AAAAAAAGCCG
5988	DNA; Synthetic Construct	GTGCGCATGCGCtgctttGTGCGCATGCGCtgatctGTGCGCATGCGCtacgctGTG CGCATGCGCtgccgctGTGCGCATGCGCtgctttGTGCGCATGCGCtgatctGTGCG CATGCGCtacgctGTGCGCATGCGC
5989	DNA; Synthetic Construct	GCGCATGCGCACtgctttGCGCATGCGCACtgatctGCGCATGCGCACtacgctGCG CATGCGCACtgccgctGCGCATGCGCACtgctttGCGCATGCGCACtgatctGCGCA TGCGCACtacgctGCGCATGCGCAC
5990	DNA; Synthetic Construct	ATGACGTCACtgccgctATGACGTCACtgctttATGACGTCACtgatctATGACGTC ACtacgctATGACGTCACtgccgctATGACGTCACtgctttATGACGTCACtgatct ATGACGTCACtacgctATGACGTCAC
5991	DNA; Synthetic Construct	GTGACGTCATtgccgctGTGACGTCATtgctttGTGACGTCATtgatctGTGACGTC ATtacgctGTGACGTCATtgccgctGTGACGTCATtgctttGTGACGTCATtgatct GTGACGTCATtacgctGTGACGTCAT
5992	DNA; Synthetic Construct	ATGACGTCATtgccgctATGACGTCATtgctttATGACGTCATtgatctATGACGTC ATtacgctATGACGTCATtgccgctATGACGTCATtgctttATGACGTCATtgatct ATGACGTCATtacgctATGACGTCAT
5993	DNA; Synthetic Construct	ATGACGTCATtgccgctATGACGTCATtgctttATGACGTCATtgatctATGACGTC ATtacgctATGACGTCATtgccgctATGACGTCATtgctttATGACGTCATtgatct ATGACGTCATtacgctATGACGTCAT
5994	DNA; Synthetic Construct	GTGACGTCACtgccgctGTGACGTCACtgctttGTGACGTCACtgatctGTGACGTC ACtacgctGTGACGTCACtgccgctGTGACGTCACtgctttGTGACGTCACtgatct GTGACGTCACtacgctGTGACGTCAC
5995	DNA; Synthetic Construct	GTGACGTCACtgccgctGTGACGTCACtgctttGTGACGTCACtgatctGTGACGTC ACtacgctGTGACGTCACtgccgctGTGACGTCACtgctttGTGACGTCACtgatct GTGACGTCACtacgctGTGACGTCAC
5996	DNA; Synthetic Construct	GTGACGTCATtgccgctGTGACGTCATtgctttGTGACGTCATtgatctGTGACGTC ATtacgctGTGACGTCATtgccgctGTGACGTCATtgctttGTGACGTCATtgatct GTGACGTCATtacgctGTGACGTCAT
5997	DNA; Synthetic Construct	ATGACGTCACtgccgctATGACGTCACtgctttATGACGTCACtgatctATGACGTC ACtacgctATGACGTCACtgccgctATGACGTCACtgctttATGACGTCACtgatct ATGACGTCACtacgctATGACGTCAC
5998	DNA; Synthetic Construct	GATGACTCAGCAtgctttGATGACTCAGCAtgatctGATGACTCAGCAtacgctGAT GACTCAGCAtgccgctGATGACTCAGCAtgctttGATGACTCAGCAtgatctGATGA CTCAGCAtacgctGATGACTCAGCA
5999	DNA; Synthetic Construct	TGCTGAGTCATCtgctttTGCTGAGTCATCtgatctTGCTGAGTCATCtacgctTGC TGAGTCATCtgccgctTGCTGAGTCATCtgctttTGCTGAGTCATCtgatctTGCTG AGTCATCtacgctTGCTGAGTCATC
6000	DNA; Synthetic Construct	GGCAGTTAtacgctGGCAGTTAtgccgctGGCAGTTAtgctttGGCAGTTAtgatct GGCAGTTAtacgctGGCAGTTAtgccgctGGCAGTTAtgctttGGCAGTTAtgatct GGCAGTTAtacgctGGCAGTTA
6001	DNA; Synthetic Construct	TAACTGCCtacgctTAACTGCCtgccgctTAACTGCCtgctttTAACTGCCtgatct TAACTGCCtacgctTAACTGCCtgccgctTAACTGCCtgctttTAACTGCCtgatct TAACTGCCtacgctTAACTGCC

6002	DNA; Synthetic Construct	GGCAGTTGtacgctGGCAGTTGtgccgctGGCAGTTGtgctttGGCAGTTGtgatct GGCAGTTGtacgctGGCAGTTGtgccgctGGCAGTTGtgctttGGCAGTTGtgatct GGCAGTTGtacgctGGCAGTTG
6003	DNA; Synthetic Construct	CAACTGCCtacgctCAACTGCCtgccgctCAACTGCCtgctttCAACTGCCtgatct CAACTGCCtacgctCAACTGCCtgccgctCAACTGCCtgctttCAACTGCCtgatct CAACTGCCtacgctCAACTGCC
6004	DNA; Synthetic Construct	GGCCGTTAtacgctGGCCGTTAtgccgctGGCCGTTAtgctttGGCCGTTAtgatct GGCCGTTAtacgctGGCCGTTAtgccgctGGCCGTTAtgctttGGCCGTTAtgatct GGCCGTTAtacgctGGCCGTTA
6005	DNA; Synthetic Construct	TAACGGCCtacgctTAACGGCCtgccgctTAACGGCCtgctttTAACGGCCtgatct TAACGGCCtacgctTAACGGCCtgccgctTAACGGCCtgctttTAACGGCCtgatct TAACGGCCtacgctTAACGGCC
6006	DNA; Synthetic Construct	GGCCGTTGtacgctGGCCGTTGtgccgctGGCCGTTGtgctttGGCCGTTGtgatct GGCCGTTGtacgctGGCCGTTGtgccgctGGCCGTTGtgctttGGCCGTTGtgatct GGCCGTTGtacgctGGCCGTTG
6007	DNA; Synthetic Construct	CAACGGCCtacgctCAACGGCCtgccgctCAACGGCCtgctttCAACGGCCtgatct CAACGGCCtacgctCAACGGCCtgccgctCAACGGCCtgctttCAACGGCCtgatct CAACGGCCtacgctCAACGGCC
6008	DNA; Synthetic Construct	GGCGGTTAtacgctGGCGGTTAtgccgctGGCGGTTAtgctttGGCGGTTAtgatct GGCGGTTAtacgctGGCGGTTAtgccgctGGCGGTTAtgctttGGCGGTTAtgatct GGCGGTTAtacgctGGCGGTTA
6009	DNA; Synthetic Construct	TAACCGCCtacgctTAACCGCCtgccgctTAACCGCCtgctttTAACCGCCtgatct TAACCGCCtacgctTAACCGCCtgccgctTAACCGCCtgctttTAACCGCCtgatct TAACCGCCtacgctTAACCGCC
6010	DNA; Synthetic Construct	GGCGGTTGtacgctGGCGGTTGtgccgctGGCGGTTGtgctttGGCGGTTGtgatct GGCGGTTGtacgctGGCGGTTGtgccgctGGCGGTTGtgctttGGCGGTTGtgatct GGCGGTTGtacgctGGCGGTTG
6011	DNA; Synthetic Construct	CAACCGCCtacgctCAACCGCCtgccgctCAACCGCCtgctttCAACCGCCtgatct CAACCGCCtacgctCAACCGCCtgccgctCAACCGCCtgctttCAACCGCCtgatct CAACCGCCtacgctCAACCGCC
6012	DNA; Synthetic Construct	GTGCCATTGAGACAGCACtacgctGTGCCATTGAGACAGCACtgccgctGTGCCATT GAGACAGCACtgctttGTGCCATTGAGACAGCACtgatctGTGCCATTGAGACAGCA CtacgctGTGCCATTGAGACAGCAC
6013	DNA; Synthetic Construct	GTGCTGTCTCAATGGCACtacgctGTGCTGTCTCAATGGCACtgccgctGTGCTGTC TCAATGGCACtgctttGTGCTGTCTCAATGGCACtgatctGTGCTGTCTCAATGGCA CtacgctGTGCTGTCTCAATGGCAC
6014	DNA; Synthetic Construct	GTGCCATTGAGATAGCACtacgctGTGCCATTGAGATAGCACtgccgctGTGCCATT GAGATAGCACtgctttGTGCCATTGAGATAGCACtgatctGTGCCATTGAGATAGCA CtacgctGTGCCATTGAGATAGCAC
6015	DNA; Synthetic Construct	GTGCTATCTCAATGGCACtacgctGTGCTATCTCAATGGCACtgccgctGTGCTATC TCAATGGCACtgctttGTGCTATCTCAATGGCACtgatctGTGCTATCTCAATGGCA CtacgctGTGCTATCTCAATGGCAC
6016	DNA; Synthetic Construct	ATGACTCAGCATAAtgatctATGACTCAGCATAAtacgctATGACTCAGCATAAtgc cgctATGACTCAGCATAAtgctttATGACTCAGCATAAtgatctATGACTCAGCATA AtacgctATGACTCAGCATAA
6017	DNA; Synthetic Construct	TTATGCTGAGTCATtgatctTTATGCTGAGTCATtacgctTTATGCTGAGTCATtgc cgctTTATGCTGAGTCATtgctttTTATGCTGAGTCATtgatctTTATGCTGAGTCA TtacgctTTATGCTGAGTCAT
6018	DNA; Synthetic Construct	ATGACTCAGCATATtgatctATGACTCAGCATATtacgctATGACTCAGCATATtgc cgctATGACTCAGCATATtgctttATGACTCAGCATATtgatctATGACTCAGCATA TtacgctATGACTCAGCATAT
6019	DNA; Synthetic Construct	ATATGCTGAGTCATtgatctATATGCTGAGTCATtacgctATATGCTGAGTCATtgc cgctATATGCTGAGTCATtgctttATATGCTGAGTCATtgatctATATGCTGAGTCA TtacgctATATGCTGAGTCAT

6020	DNA; Synthetic Construct	ATGACTCAGCATTAtgatctATGACTCAGCATTAtacgctATGACTCAGCATTAtgc cgctATGACTCAGCATTAtgctttATGACTCAGCATTAtgatctATGACTCAGCATT AtacgctATGACTCAGCATTA
6021	DNA; Synthetic Construct	TAATGCTGAGTCATtgatctTAATGCTGAGTCATtacgctTAATGCTGAGTCATtgc cgctTAATGCTGAGTCATtgctttTAATGCTGAGTCATtgatctTAATGCTGAGTCA TtacgctTAATGCTGAGTCAT
6022	DNA; Synthetic Construct	ATGACTCAGCATTTtgatctATGACTCAGCATTTtacgctATGACTCAGCATTTtgc cgctATGACTCAGCATTTtgctttATGACTCAGCATTTtgatctATGACTCAGCATT TtacgctATGACTCAGCATTT
6023	DNA; Synthetic Construct	AAATGCTGAGTCATtgatctAAATGCTGAGTCATtacgctAAATGCTGAGTCATtgc cgctAAATGCTGAGTCATtgctttAAATGCTGAGTCATtgatctAAATGCTGAGTCA TtacgctAAATGCTGAGTCAT
6024	DNA; Synthetic Construct	CGGCTGCCGTGGTCAGATAAtgccgctCGGCTGCCGTGGTCAGATAAtgctttCGGC TGCCGTGGTCAGATAAtgatctCGGCTGCCGTGGTCAGATAAtacgctCGGCTGCCG TGGTCAGATAA
6025	DNA; Synthetic Construct	TTATCTGACCACGGCAGCCGtgccgctTTATCTGACCACGGCAGCCGtgctttTTAT CTGACCACGGCAGCCGtgatctTTATCTGACCACGGCAGCCGtacgctTTATCTGAC CACGGCAGCCG
6026	DNA; Synthetic Construct	AAGGTCAAAGGTCAtgatctAAGGTCAAAGGTCAtacgctAAGGTCAAAGGTCAtgc cgctAAGGTCAAAGGTCAtgctttAAGGTCAAAGGTCAtgatctAAGGTCAAAGGTC AtacgctAAGGTCAAAGGTCA
6027	DNA; Synthetic Construct	TGACCTTTGACCTTtgatctTGACCTTTGACCTTtacgctTGACCTTTGACCTTtgc cgctTGACCTTTGACCTTtgctttTGACCTTTGACCTTtgatctTGACCTTTGACCT TtacgctTGACCTTTGACCTT
6028	DNA; Synthetic Construct	AGGGTCAAAGGTCAtgatctAGGGTCAAAGGTCAtacgctAGGGTCAAAGGTCAtgc cgctAGGGTCAAAGGTCAtgctttAGGGTCAAAGGTCAtgatctAGGGTCAAAGGTC AtacgctAGGGTCAAAGGTCA
6029	DNA; Synthetic Construct	TGACCTTTGACCCTtgatctTGACCTTTGACCCTtacgctTGACCTTTGACCCTtgc cgctTGACCTTTGACCCTtgctttTGACCTTTGACCCTtgatctTGACCTTTGACCC TtacgctTGACCTTTGACCCT
6030	DNA; Synthetic Construct	GAGGTCAAAGGTCAtgatctGAGGTCAAAGGTCAtacgctGAGGTCAAAGGTCAtgc cgctGAGGTCAAAGGTCAtgctttGAGGTCAAAGGTCAtgatctGAGGTCAAAGGTC AtacgctGAGGTCAAAGGTCA
6031	DNA; Synthetic Construct	TGACCTTTGACCTCtgatctTGACCTTTGACCTCtacgctTGACCTTTGACCTCtgc cgctTGACCTTTGACCTCtgctttTGACCTTTGACCTCtgatctTGACCTTTGACCT CtacgctTGACCTTTGACCTC
6032	DNA; Synthetic Construct	GGGGTCAAAGGTCAtgatctGGGGTCAAAGGTCAtacgctGGGGTCAAAGGTCAtgc cgctGGGGTCAAAGGTCAtgctttGGGGTCAAAGGTCAtgatctGGGGTCAAAGGTC AtacgctGGGGTCAAAGGTCA
6033	DNA; Synthetic Construct	TGACCTTTGACCCCtgatctTGACCTTTGACCCCtacgctTGACCTTTGACCCCtgc cgctTGACCTTTGACCCCtgctttTGACCTTTGACCCCtgatctTGACCTTTGACCC CtacgctTGACCTTTGACCCC
6034	DNA; Synthetic Construct	ACTGAAACCAtgccgctACTGAAACCAtgctttACTGAAACCAtgatctACTGAAAC CAtacgctACTGAAACCAtgccgctACTGAAACCAtgctttACTGAAACCAtgatct ACTGAAACCAtacgctACTGAAACCA
6035	DNA; Synthetic Construct	TGGTTTCAGTtgccgctTGGTTTCAGTtgctttTGGTTTCAGTtgatctTGGTTTCA GTtacgctTGGTTTCAGTtgccgctTGGTTTCAGTtgctttTGGTTTCAGTtgatct TGGTTTCAGTtacgctTGGTTTCAGT
6036	DNA; Synthetic Construct	AACCGGATGTAtgccgctAACCGGATGTAtgctttAACCGGATGTAtgatctAACCG GATGTAtacgctAACCGGATGTAtgccgctAACCGGATGTAtgctttAACCGGATGT AtgatctAACCGGATGTAtacgctAACCGGATGTA
6037	DNA; Synthetic Construct	TACATCCGGTTtgccgctTACATCCGGTTtgctttTACATCCGGTTtgatctTACAT CCGGTTtacgctTACATCCGGTTtgccgctTACATCCGGTTtgctttTACATCCGGT TtgatctTACATCCGGTTtacgctTACATCCGGTT

6038	DNA; Synthetic Construct	AACCGGATGTTtgccgctAACCGGATGTTtgctttAACCGGATGTTtgatctAACCG GATGTTtacgctAACCGGATGTTtgccgctAACCGGATGTTtgctttAACCGGATGT TtgatctAACCGGATGTTtacgctAACCGGATGTT
6039	DNA; Synthetic Construct	AACATCCGGTTtgccgctAACATCCGGTTtgctttAACATCCGGTTtgatctAACAT CCGGTTtacgctAACATCCGGTTtgccgctAACATCCGGTTtgctttAACATCCGGT TtgatctAACATCCGGTTtacgctAACATCCGGTT
6040	DNA; Synthetic Construct	ACCCGGATGTAtgccgctACCCGGATGTAtgctttACCCGGATGTAtgatctACCCG GATGTAtacgctACCCGGATGTAtgccgctACCCGGATGTAtgctttACCCGGATGT AtgatctACCCGGATGTAtacgctACCCGGATGTA
6041	DNA; Synthetic Construct	TACATCCGGGTtgccgctTACATCCGGGTtgctttTACATCCGGGTtgatctTACAT CCGGGTtacgctTACATCCGGGTtgccgctTACATCCGGGTtgctttTACATCCGGG TtgatctTACATCCGGGTtacgctTACATCCGGGT
6042	DNA; Synthetic Construct	ACCCGGATGTTtgccgctACCCGGATGTTtgctttACCCGGATGTTtgatctACCCG GATGTTtacgctACCCGGATGTTtgccgctACCCGGATGTTtgctttACCCGGATGT TtgatctACCCGGATGTTtacgctACCCGGATGTT
6043	DNA; Synthetic Construct	AACATCCGGGTtgccgctAACATCCGGGTtgctttAACATCCGGGTtgatctAACAT CCGGGTtacgctAACATCCGGGTtgccgctAACATCCGGGTtgctttAACATCCGGG TtgatctAACATCCGGGTtacgctAACATCCGGGT
6044	DNA; Synthetic Construct	AGTTTCACTATGACTGAtacgctAGTTTCACTATGACTGAtgccgctAGTTTCACTA TGACTGAtgctttAGTTTCACTATGACTGAtgatctAGTTTCACTATGACTGAtacg ctAGTTTCACTATGACTGA
6045	DNA; Synthetic Construct	TCAGTCATAGTGAAACTtacgctTCAGTCATAGTGAAACTtgccgctTCAGTCATAG TGAAACTtgctttTCAGTCATAGTGAAACTtgatctTCAGTCATAGTGAAACTtacg ctTCAGTCATAGTGAAACT
6046	DNA; Synthetic Construct	AGTTTCACTATGACTGTtacgctAGTTTCACTATGACTGTtgccgctAGTTTCACTA TGACTGTtgctttAGTTTCACTATGACTGTtgatctAGTTTCACTATGACTGTtacg ctAGTTTCACTATGACTGT
6047	DNA; Synthetic Construct	ACAGTCATAGTGAAACTtacgctACAGTCATAGTGAAACTtgccgctACAGTCATAG TGAAACTtgctttACAGTCATAGTGAAACTtgatctACAGTCATAGTGAAACTtacg ctACAGTCATAGTGAAACT
6048	DNA; Synthetic Construct	AGTTTCACTCTGACTGAtacgctAGTTTCACTCTGACTGAtgccgctAGTTTCACTC TGACTGAtgctttAGTTTCACTCTGACTGAtgatctAGTTTCACTCTGACTGAtacg ctAGTTTCACTCTGACTGA
6049	DNA; Synthetic Construct	TCAGTCAGAGTGAAACTtacgctTCAGTCAGAGTGAAACTtgccgctTCAGTCAGAG TGAAACTtgctttTCAGTCAGAGTGAAACTtgatctTCAGTCAGAGTGAAACTtacg ctTCAGTCAGAGTGAAACT
6050	DNA; Synthetic Construct	AGTTTCACTCTGACTGTtacgctAGTTTCACTCTGACTGTtgccgctAGTTTCACTC TGACTGTtgctttAGTTTCACTCTGACTGTtgatctAGTTTCACTCTGACTGTtacg ctAGTTTCACTCTGACTGT
6051	DNA; Synthetic Construct	ACAGTCAGAGTGAAACTtacgctACAGTCAGAGTGAAACTtgccgctACAGTCAGAG TGAAACTtgctttACAGTCAGAGTGAAACTtgatctACAGTCAGAGTGAAACTtacg ctACAGTCAGAGTGAAACT
6052	DNA; Synthetic Construct	AGTTTCACTTTGACTGAtacgctAGTTTCACTTTGACTGAtgccgctAGTTTCACTT TGACTGAtgctttAGTTTCACTTTGACTGAtgatctAGTTTCACTTTGACTGAtacg ctAGTTTCACTTTGACTGA
6053	DNA; Synthetic Construct	TCAGTCAAAGTGAAACTtacgctTCAGTCAAAGTGAAACTtgccgctTCAGTCAAAG TGAAACTtgctttTCAGTCAAAGTGAAACTtgatctTCAGTCAAAGTGAAACTtacg ctTCAGTCAAAGTGAAACT
6054	DNA; Synthetic Construct	AGTTTCACTTTGACTGTtacgctAGTTTCACTTTGACTGTtgccgctAGTTTCACTT TGACTGTtgctttAGTTTCACTTTGACTGTtgatctAGTTTCACTTTGACTGTtacg ctAGTTTCACTTTGACTGT
6055	DNA; Synthetic Construct	ACAGTCAAAGTGAAACTtacgctACAGTCAAAGTGAAACTtgccgctACAGTCAAAG TGAAACTtgctttACAGTCAAAGTGAAACTtgatctACAGTCAAAGTGAAACTtacg ctACAGTCAAAGTGAAACT

6056	DNA; Synthetic Construct	AGTTTCAGTATGACTGAtacgctAGTTTCAGTATGACTGAtgccgctAGTTTCAGTA TGACTGAtgctttAGTTTCAGTATGACTGAtgatctAGTTTCAGTATGACTGAtacg ctAGTTTCAGTATGACTGA
6057	DNA; Synthetic Construct	TCAGTCATACTGAAACTtacgctTCAGTCATACTGAAACTtgccgctTCAGTCATAC TGAAACTtgctttTCAGTCATACTGAAACTtgatctTCAGTCATACTGAAACTtacg ctTCAGTCATACTGAAACT
6058	DNA; Synthetic Construct	AGTTTCAGTATGACTGTtacgctAGTTTCAGTATGACTGTtgccgctAGTTTCAGTA TGACTGTtgctttAGTTTCAGTATGACTGTtgatctAGTTTCAGTATGACTGTtacg ctAGTTTCAGTATGACTGT
6059	DNA; Synthetic Construct	ACAGTCATACTGAAACTtacgctACAGTCATACTGAAACTtgccgctACAGTCATAC TGAAACTtgctttACAGTCATACTGAAACTtgatctACAGTCATACTGAAACTtacg ctACAGTCATACTGAAACT
6060	DNA; Synthetic Construct	AGTTTCAGTCTGACTGAtacgctAGTTTCAGTCTGACTGAtgccgctAGTTTCAGTC TGACTGAtgctttAGTTTCAGTCTGACTGAtgatctAGTTTCAGTCTGACTGAtacg ctAGTTTCAGTCTGACTGA
6061	DNA; Synthetic Construct	TCAGTCAGACTGAAACTtacgctTCAGTCAGACTGAAACTtgccgctTCAGTCAGAC TGAAACTtgctttTCAGTCAGACTGAAACTtgatctTCAGTCAGACTGAAACTtacg ctTCAGTCAGACTGAAACT
6062	DNA; Synthetic Construct	AGTTTCAGTCTGACTGTtacgctAGTTTCAGTCTGACTGTtgccgctAGTTTCAGTC TGACTGTtgctttAGTTTCAGTCTGACTGTtgatctAGTTTCAGTCTGACTGTtacg ctAGTTTCAGTCTGACTGT
6063	DNA; Synthetic Construct	ACAGTCAGACTGAAACTtacgctACAGTCAGACTGAAACTtgccgctACAGTCAGAC TGAAACTtgctttACAGTCAGACTGAAACTtgatctACAGTCAGACTGAAACTtacg ctACAGTCAGACTGAAACT
6064	DNA; Synthetic Construct	AGTTTCAGTTTGACTGAtacgctAGTTTCAGTTTGACTGAtgccgctAGTTTCAGTT TGACTGAtgctttAGTTTCAGTTTGACTGAtgatctAGTTTCAGTTTGACTGAtacg ctAGTTTCAGTTTGACTGA
6065	DNA; Synthetic Construct	TCAGTCAAACTGAAACTtacgctTCAGTCAAACTGAAACTtgccgctTCAGTCAAAC TGAAACTtgctttTCAGTCAAACTGAAACTtgatctTCAGTCAAACTGAAACTtacg ctTCAGTCAAACTGAAACT
6066	DNA; Synthetic Construct	AGTTTCAGTTTGACTGTtacgctAGTTTCAGTTTGACTGTtgccgctAGTTTCAGTT TGACTGTtgctttAGTTTCAGTTTGACTGTtgatctAGTTTCAGTTTGACTGTtacg ctAGTTTCAGTTTGACTGT
6067	DNA; Synthetic Construct	ACAGTCAAACTGAAACTtacgctACAGTCAAACTGAAACTtgccgctACAGTCAAAC TGAAACTtgctttACAGTCAAACTGAAACTtgatctACAGTCAAACTGAAACTtacg ctACAGTCAAACTGAAACT
6068	DNA; Synthetic Construct	AGTTTCATTATGACTGAtacgctAGTTTCATTATGACTGAtgccgctAGTTTCATTA TGACTGAtgctttAGTTTCATTATGACTGAtgatctAGTTTCATTATGACTGAtacg ctAGTTTCATTATGACTGA
6069	DNA; Synthetic Construct	TCAGTCATAATGAAACTtacgctTCAGTCATAATGAAACTtgccgctTCAGTCATAA TGAAACTtgctttTCAGTCATAATGAAACTtgatctTCAGTCATAATGAAACTtacg ctTCAGTCATAATGAAACT
6070	DNA; Synthetic Construct	AGTTTCATTATGACTGTtacgctAGTTTCATTATGACTGTtgccgctAGTTTCATTA TGACTGTtgctttAGTTTCATTATGACTGTtgatctAGTTTCATTATGACTGTtacg ctAGTTTCATTATGACTGT
6071	DNA; Synthetic Construct	ACAGTCATAATGAAACTtacgctACAGTCATAATGAAACTtgccgctACAGTCATAA TGAAACTtgctttACAGTCATAATGAAACTtgatctACAGTCATAATGAAACTtacg ctACAGTCATAATGAAACT
6072	DNA; Synthetic Construct	AGTTTCATTCTGACTGAtacgctAGTTTCATTCTGACTGAtgccgctAGTTTCATTC TGACTGAtgctttAGTTTCATTCTGACTGAtgatctAGTTTCATTCTGACTGAtacg ctAGTTTCATTCTGACTGA
6073	DNA; Synthetic Construct	TCAGTCAGAATGAAACTtacgctTCAGTCAGAATGAAACTtgccgctTCAGTCAGAA TGAAACTtgctttTCAGTCAGAATGAAACTtgatctTCAGTCAGAATGAAACTtacg ctTCAGTCAGAATGAAACT

6074	DNA; Synthetic Construct	AGTTTCATTCTGACTGTtacgctAGTTTCATTCTGACTGTtgccgctAGTTTCATTC TGACTGTtgctttAGTTTCATTCTGACTGTtgatctAGTTTCATTCTGACTGTtacg ctAGTTTCATTCTGACTGT
6075	DNA; Synthetic Construct	ACAGTCAGAATGAAACTtacgctACAGTCAGAATGAAACTtgccgctACAGTCAGAA TGAAACTtgctttACAGTCAGAATGAAACTtgatctACAGTCAGAATGAAACTtacg ctACAGTCAGAATGAAACT
6076	DNA; Synthetic Construct	AGTTTCATTTTGACTGAtacgctAGTTTCATTTTGACTGAtgccgctAGTTTCATTT TGACTGAtgctttAGTTTCATTTTGACTGAtgatctAGTTTCATTTTGACTGAtacg ctAGTTTCATTTTGACTGA
6077	DNA; Synthetic Construct	TCAGTCAAAATGAAACTtacgctTCAGTCAAAATGAAACTtgccgctTCAGTCAAAA TGAAACTtgctttTCAGTCAAAATGAAACTtgatctTCAGTCAAAATGAAACTtacg ctTCAGTCAAAATGAAACT
6078	DNA; Synthetic Construct	AGTTTCATTTTGACTGTtacgctAGTTTCATTTTGACTGTtgccgctAGTTTCATTT TGACTGTtgctttAGTTTCATTTTGACTGTtgatctAGTTTCATTTTGACTGTtacg ctAGTTTCATTTTGACTGT
6079	DNA; Synthetic Construct	ACAGTCAAAATGAAACTtacgctACAGTCAAAATGAAACTtgccgctACAGTCAAAA TGAAACTtgctttACAGTCAAAATGAAACTtgatctACAGTCAAAATGAAACTtacg ctACAGTCAAAATGAAACT
6080	DNA; Synthetic Construct	CTAAGTGCtacgctCTAAGTGCtgccgctCTAAGTGCtgctttCTAAGTGCtgatct CTAAGTGCtacgctCTAAGTGCtgccgctCTAAGTGCtgctttCTAAGTGCtgatct CTAAGTGCtacgctCTAAGTGC
6081	DNA; Synthetic Construct	GCACTTAGtacgctGCACTTAGtgccgctGCACTTAGtgctttGCACTTAGtgatct GCACTTAGtacgctGCACTTAGtgccgctGCACTTAGtgctttGCACTTAGtgatct GCACTTAGtacgctGCACTTAG
6082	DNA; Synthetic Construct	CTAATTGCtacgctCTAATTGCtgccgctCTAATTGCtgctttCTAATTGCtgatct CTAATTGCtacgctCTAATTGCtgccgctCTAATTGCtgctttCTAATTGCtgatct CTAATTGCtacgctCTAATTGC
6083	DNA; Synthetic Construct	GCAATTAGtacgctGCAATTAGtgccgctGCAATTAGtgctttGCAATTAGtgatct GCAATTAGtacgctGCAATTAGtgccgctGCAATTAGtgctttGCAATTAGtgatct GCAATTAGtacgctGCAATTAG
6084	DNA; Synthetic Construct	TTAAGTGCtacgctTTAAGTGCtgccgctTTAAGTGCtgctttTTAAGTGCtgatct TTAAGTGCtacgctTTAAGTGCtgccgctTTAAGTGCtgctttTTAAGTGCtgatct TTAAGTGCtacgctTTAAGTGC
6085	DNA; Synthetic Construct	GCACTTAAtacgctGCACTTAAtgccgctGCACTTAAtgctttGCACTTAAtgatct GCACTTAAtacgctGCACTTAAtgccgctGCACTTAAtgctttGCACTTAAtgatct GCACTTAAtacgctGCACTTAA
6086	DNA; Synthetic Construct	TTAATTGCtacgctTTAATTGCtgccgctTTAATTGCtgctttTTAATTGCtgatct TTAATTGCtacgctTTAATTGCtgccgctTTAATTGCtgctttTTAATTGCtgatct TTAATTGCtacgctTTAATTGC
6087	DNA; Synthetic Construct	GCAATTAAtacgctGCAATTAAtgccgctGCAATTAAtgctttGCAATTAAtgatct GCAATTAAtacgctGCAATTAAtgccgctGCAATTAAtgctttGCAATTAAtgatct GCAATTAAtacgctGCAATTAA
6088	DNA; Synthetic Construct	TGTCAGCTtacgctTGTCAGCTtgccgctTGTCAGCTtgctttTGTCAGCTtgatct TGTCAGCTtacgctTGTCAGCTtgccgctTGTCAGCTtgctttTGTCAGCTtgatct TGTCAGCTtacgctTGTCAGCT
6089	DNA; Synthetic Construct	AGCTGACAtacgctAGCTGACAtgccgctAGCTGACAtgctttAGCTGACAtgatct AGCTGACAtacgctAGCTGACAtgccgctAGCTGACAtgctttAGCTGACAtgatct AGCTGACAtacgctAGCTGACA
6090	DNA; Synthetic Construct	TGTCAGTTtacgctTGTCAGTTtgccgctTGTCAGTTtgctttTGTCAGTTtgatct TGTCAGTTtacgctTGTCAGTTtgccgctTGTCAGTTtgctttTGTCAGTTtgatct TGTCAGTTtacgctTGTCAGTT
6091	DNA; Synthetic Construct	AACTGACAtacgctAACTGACAtgccgctAACTGACAtgctttAACTGACAtgatct AACTGACAtacgctAACTGACAtgccgctAACTGACAtgctttAACTGACAtgatct AACTGACAtacgctAACTGACA

6092	DNA; Synthetic Construct	GCCCCACCCAtgccgctGCCCCACCCAtgctttGCCCCACCCAtgatctGCCCCACC CAtacgctGCCCCACCCAtgccgctGCCCCACCCAtgctttGCCCCACCCAtgatct GCCCCACCCAtacgctGCCCCACCCA
6093	DNA; Synthetic Construct	TGGGTGGGGCtgccgctTGGGTGGGGCtgctttTGGGTGGGGCtgatctTGGGTGGG GCtacgctTGGGTGGGGCtgccgctTGGGTGGGGCtgctttTGGGTGGGGCtgatct TGGGTGGGGCtacgctTGGGTGGGGC
6094	DNA; Synthetic Construct	GCCCCACCCCtgccgctGCCCCACCCCtgctttGCCCCACCCCtgatctGCCCCACC CCtacgctGCCCCACCCCtgccgctGCCCCACCCCtgctttGCCCCACCCCtgatct GCCCCACCCCtacgctGCCCCACCCC
6095	DNA; Synthetic Construct	GGGGTGGGGCtgccgctGGGGTGGGGCtgctttGGGGTGGGGCtgatctGGGGTGGG GCtacgctGGGGTGGGGCtgccgctGGGGTGGGGCtgctttGGGGTGGGGCtgatct GGGGTGGGGCtacgctGGGGTGGGGC
6096	DNA; Synthetic Construct	GCCCCACCCTtgccgctGCCCCACCCTtgctttGCCCCACCCTtgatctGCCCCACC CTtacgctGCCCCACCCTtgccgctGCCCCACCCTtgctttGCCCCACCCTtgatct GCCCCACCCTtacgctGCCCCACCCT
6097	DNA; Synthetic Construct	AGGGTGGGGCtgccgctAGGGTGGGGCtgctttAGGGTGGGGCtgatctAGGGTGGG GCtacgctAGGGTGGGGCtgccgctAGGGTGGGGCtgctttAGGGTGGGGCtgatct AGGGTGGGGCtacgctAGGGTGGGGC
6098	DNA; Synthetic Construct	GCCCCGCCCAtgccgctGCCCCGCCCAtgctttGCCCCGCCCAtgatctGCCCCGCC CAtacgctGCCCCGCCCAtgccgctGCCCCGCCCAtgctttGCCCCGCCCAtgatct GCCCCGCCCAtacgctGCCCCGCCCA
6099	DNA; Synthetic Construct	TGGGCGGGGCtgccgctTGGGCGGGGCtgctttTGGGCGGGGCtgatctTGGGCGGG GCtacgctTGGGCGGGGCtgccgctTGGGCGGGGCtgctttTGGGCGGGGCtgatct TGGGCGGGGCtacgctTGGGCGGGGC
6100	DNA; Synthetic Construct	GCCCCGCCCCtgccgctGCCCCGCCCCtgctttGCCCCGCCCCtgatctGCCCCGCC CCtacgctGCCCCGCCCCtgccgctGCCCCGCCCCtgctttGCCCCGCCCCtgatct GCCCCGCCCCtacgctGCCCCGCCCC
6101	DNA; Synthetic Construct	GGGGCGGGGCtgccgctGGGGCGGGGCtgctttGGGGCGGGGCtgatctGGGGCGGG GCtacgctGGGGCGGGGCtgccgctGGGGCGGGGCtgctttGGGGCGGGGCtgatct GGGGCGGGGCtacgctGGGGCGGGGC
6102	DNA; Synthetic Construct	GCCCCGCCCTtgccgctGCCCCGCCCTtgctttGCCCCGCCCTtgatctGCCCCGCC CTtacgctGCCCCGCCCTtgccgctGCCCCGCCCTtgctttGCCCCGCCCTtgatct GCCCCGCCCTtacgctGCCCCGCCCT
6103	DNA; Synthetic Construct	AGGGCGGGGCtgccgctAGGGCGGGGCtgctttAGGGCGGGGCtgatctAGGGCGGG GCtacgctAGGGCGGGGCtgccgctAGGGCGGGGCtgctttAGGGCGGGGCtgatct AGGGCGGGGCtacgctAGGGCGGGGC
6104	DNA; Synthetic Construct	ATTCCCCtgatctATTCCCCtacgctATTCCCCtgccgctATTCCCCtgctttATTC CCCtgatctATTCCCCtacgctATTCCCCtgccgctATTCCCCtgctttATTCCCCt gatctATTCCCCtacgctATTCCCC
6105	DNA; Synthetic Construct	GGGGAATtgatctGGGGAATtacgctGGGGAATtgccgctGGGGAATtgctttGGGG AATtgatctGGGGAATtacgctGGGGAATtgccgctGGGGAATtgctttGGGGAATt gatctGGGGAATtacgctGGGGAAT
6106	DNA; Synthetic Construct	TGGCAGTTGGtgccgctTGGCAGTTGGtgctttTGGCAGTTGGtgatctTGGCAGTT GGtacgctTGGCAGTTGGtgccgctTGGCAGTTGGtgctttTGGCAGTTGGtgatct TGGCAGTTGGtacgctTGGCAGTTGG
6107	DNA; Synthetic Construct	CCAACTGCCAtgccgctCCAACTGCCAtgctttCCAACTGCCAtgatctCCAACTGC CAtacgctCCAACTGCCAtgccgctCCAACTGCCAtgctttCCAACTGCCAtgatct CCAACTGCCAtacgctCCAACTGCCA
6108	DNA; Synthetic Construct	GGGGGTGTGTCCtgctttGGGGGTGTGTCCtgatctGGGGGTGTGTCCtacgctGGG GGTGTGTCCtgccgctGGGGGTGTGTCCtgctttGGGGGTGTGTCCtgatctGGGGG TGTGTCCtacgctGGGGGTGTGTCC
6109	DNA; Synthetic Construct	GGACACACCCCCtgctttGGACACACCCCCtgatctGGACACACCCCCtacgctGGA CACACCCCCtgccgctGGACACACCCCCtgctttGGACACACCCCCtgatctGGACA CACCCCCtacgctGGACACACCCCC

6110	DNA; Synthetic Construct	TGCTGACTCAGCAAAtgatctTGCTGACTCAGCAAAtacgctTGCTGACTCAGCAAA tgccgctTGCTGACTCAGCAAAtgctttTGCTGACTCAGCAAAtgatctTGCTGACT CAGCAAAtacgctTGCTGACTCAGCAAA
6111	DNA; Synthetic Construct	TTTGCTGAGTCAGCAtgatctTTTGCTGAGTCAGCAtacgctTTTGCTGAGTCAGCA tgccgctTTTGCTGAGTCAGCAtgctttTTTGCTGAGTCAGCAtgatctTTTGCTGA GTCAGCAtacgctTTTGCTGAGTCAGCA
6112	DNA; Synthetic Construct	TGCTGACTCAGCAATtgatctTGCTGACTCAGCAATtacgctTGCTGACTCAGCAAT tgccgctTGCTGACTCAGCAATtgctttTGCTGACTCAGCAATtgatctTGCTGACT CAGCAATtacgctTGCTGACTCAGCAAT
6113	DNA; Synthetic Construct	ATTGCTGAGTCAGCAtgatctATTGCTGAGTCAGCAtacgctATTGCTGAGTCAGCA tgccgctATTGCTGAGTCAGCAtgctttATTGCTGAGTCAGCAtgatctATTGCTGA GTCAGCAtacgctATTGCTGAGTCAGCA
6114	DNA; Synthetic Construct	AGCCGGAAGCGGtgctttAGCCGGAAGCGGtgatctAGCCGGAAGCGGtacgctAGC CGGAAGCGGtgccgctAGCCGGAAGCGGtgctttAGCCGGAAGCGGtgatctAGCCG GAAGCGGtacgctAGCCGGAAGCGG
6115	DNA; Synthetic Construct	CCGCTTCCGGCTtgctttCCGCTTCCGGCTtgatctCCGCTTCCGGCTtacgctCCG CTTCCGGCTtgccgctCCGCTTCCGGCTtgctttCCGCTTCCGGCTtgatctCCGCT TCCGGCTtacgctCCGCTTCCGGCT
6116	DNA; Synthetic Construct	AGCCGGAAGCGCtgctttAGCCGGAAGCGCtgatctAGCCGGAAGCGCtacgctAGC CGGAAGCGCtgccgctAGCCGGAAGCGCtgctttAGCCGGAAGCGCtgatctAGCCG GAAGCGCtacgctAGCCGGAAGCGC
6117	DNA; Synthetic Construct	GCGCTTCCGGCTtgctttGCGCTTCCGGCTtgatctGCGCTTCCGGCTtacgctGCG CTTCCGGCTtgccgctGCGCTTCCGGCTtgctttGCGCTTCCGGCTtgatctGCGCT TCCGGCTtacgctGCGCTTCCGGCT
6118	DNA; Synthetic Construct	AGCCGGAAGTGGtgctttAGCCGGAAGTGGtgatctAGCCGGAAGTGGtacgctAGC CGGAAGTGGtgccgctAGCCGGAAGTGGtgctttAGCCGGAAGTGGtgatctAGCCG GAAGTGGtacgctAGCCGGAAGTGG
6119	DNA; Synthetic Construct	CCACTTCCGGCTtgctttCCACTTCCGGCTtgatctCCACTTCCGGCTtacgctCCA CTTCCGGCTtgccgctCCACTTCCGGCTtgctttCCACTTCCGGCTtgatctCCACT TCCGGCTtacgctCCACTTCCGGCT
6120	DNA; Synthetic Construct	AGCCGGAAGTGCtgctttAGCCGGAAGTGCtgatctAGCCGGAAGTGCtacgctAGC CGGAAGTGCtgccgctAGCCGGAAGTGCtgctttAGCCGGAAGTGCtgatctAGCCG GAAGTGCtacgctAGCCGGAAGTGC
6121	DNA; Synthetic Construct	GCACTTCCGGCTtgctttGCACTTCCGGCTtgatctGCACTTCCGGCTtacgctGCA CTTCCGGCTtgccgctGCACTTCCGGCTtgctttGCACTTCCGGCTtgatctGCACT TCCGGCTtacgctGCACTTCCGGCT
6122	DNA; Synthetic Construct	ACCCGGAAGCGGtgctttACCCGGAAGCGGtgatctACCCGGAAGCGGtacgctACC CGGAAGCGGtgccgctACCCGGAAGCGGtgctttACCCGGAAGCGGtgatctACCCG GAAGCGGtacgctACCCGGAAGCGG
6123	DNA; Synthetic Construct	CCGCTTCCGGGTtgctttCCGCTTCCGGGTtgatctCCGCTTCCGGGTtacgctCCG CTTCCGGGTtgccgctCCGCTTCCGGGTtgctttCCGCTTCCGGGTtgatctCCGCT TCCGGGTtacgctCCGCTTCCGGGT
6124	DNA; Synthetic Construct	ACCCGGAAGCGCtgctttACCCGGAAGCGCtgatctACCCGGAAGCGCtacgctACC CGGAAGCGCtgccgctACCCGGAAGCGCtgctttACCCGGAAGCGCtgatctACCCG GAAGCGCtacgctACCCGGAAGCGC
6125	DNA; Synthetic Construct	GCGCTTCCGGGTtgctttGCGCTTCCGGGTtgatctGCGCTTCCGGGTtacgctGCG CTTCCGGGTtgccgctGCGCTTCCGGGTtgctttGCGCTTCCGGGTtgatctGCGCT TCCGGGTtacgctGCGCTTCCGGGT
6126	DNA; Synthetic Construct	ACCCGGAAGTGGtgctttACCCGGAAGTGGtgatctACCCGGAAGTGGtacgctACC CGGAAGTGGtgccgctACCCGGAAGTGGtgctttACCCGGAAGTGGtgatctACCCG GAAGTGGtacgctACCCGGAAGTGG
6127	DNA; Synthetic Construct	CCACTTCCGGGTtgctttCCACTTCCGGGTtgatctCCACTTCCGGGTtacgctCCA CTTCCGGGTtgccgctCCACTTCCGGGTtgctttCCACTTCCGGGTtgatctCCACT TCCGGGTtacgctCCACTTCCGGGT

6128	DNA; Synthetic Construct	ACCCGGAAGTGCtgctttACCCGGAAGTGCtgatctACCCGGAAGTGCtacgctACC CGGAAGTGCtgccgctACCCGGAAGTGCtgctttACCCGGAAGTGCtgatctACCCG GAAGTGCtacgctACCCGGAAGTGC
6129	DNA; Synthetic Construct	GCACTTCCGGGTtgctttGCACTTCCGGGTtgatctGCACTTCCGGGTtacgctGCA CTTCCGGGTtgccgctGCACTTCCGGGTtgctttGCACTTCCGGGTtgatctGCACT TCCGGGTtacgctGCACTTCCGGGT
6130	DNA; Synthetic Construct	AAGGTCAAAGGTCAtgatctAAGGTCAAAGGTCAtacgctAAGGTCAAAGGTCAtgc cgctAAGGTCAAAGGTCAtgctttAAGGTCAAAGGTCAtgatctAAGGTCAAAGGTC AtacgctAAGGTCAAAGGTCA
6131	DNA; Synthetic Construct	TGACCTTTGACCTTtgatctTGACCTTTGACCTTtacgctTGACCTTTGACCTTtgc cgctTGACCTTTGACCTTtgctttTGACCTTTGACCTTtgatctTGACCTTTGACCT TtacgctTGACCTTTGACCTT
6132	DNA; Synthetic Construct	AGGGTCAAAGGTCAtgatctAGGGTCAAAGGTCAtacgctAGGGTCAAAGGTCAtgc cgctAGGGTCAAAGGTCAtgctttAGGGTCAAAGGTCAtgatctAGGGTCAAAGGTC AtacgctAGGGTCAAAGGTCA
6133	DNA; Synthetic Construct	TGACCTTTGACCCTtgatctTGACCTTTGACCCTtacgctTGACCTTTGACCCTtgc cgctTGACCTTTGACCCTtgctttTGACCTTTGACCCTtgatctTGACCTTTGACCC TtacgctTGACCTTTGACCCT
6134	DNA; Synthetic Construct	GAGGTCAAAGGTCAtgatctGAGGTCAAAGGTCAtacgctGAGGTCAAAGGTCAtgc cgctGAGGTCAAAGGTCAtgctttGAGGTCAAAGGTCAtgatctGAGGTCAAAGGTC AtacgctGAGGTCAAAGGTCA
6135	DNA; Synthetic Construct	TGACCTTTGACCTCtgatctTGACCTTTGACCTCtacgctTGACCTTTGACCTCtgc cgctTGACCTTTGACCTCtgctttTGACCTTTGACCTCtgatctTGACCTTTGACCT CtacgctTGACCTTTGACCTC
6136	DNA; Synthetic Construct	GGGGTCAAAGGTCAtgatctGGGGTCAAAGGTCAtacgctGGGGTCAAAGGTCAtgc cgctGGGGTCAAAGGTCAtgctttGGGGTCAAAGGTCAtgatctGGGGTCAAAGGTC AtacgctGGGGTCAAAGGTCA
6137	DNA; Synthetic Construct	TGACCTTTGACCCCtgatctTGACCTTTGACCCCtacgctTGACCTTTGACCCCtgc cgctTGACCTTTGACCCCtgctttTGACCTTTGACCCCtgatctTGACCTTTGACCC CtacgctTGACCTTTGACCCC
6138	DNA; Synthetic Construct	CCAAGGTCAtacgctCCAAGGTCAtgccgctCCAAGGTCAtgctttCCAAGGTCAtg atctCCAAGGTCAtacgctCCAAGGTCAtgccgctCCAAGGTCAtgctttCCAAGGT CAtgatctCCAAGGTCAtacgctCCAAGGTCA
6139	DNA; Synthetic Construct	TGACCTTGGtacgctTGACCTTGGtgccgctTGACCTTGGtgctttTGACCTTGGtg atctTGACCTTGGtacgctTGACCTTGGtgccgctTGACCTTGGtgctttTGACCTT GGtgatctTGACCTTGGtacgctTGACCTTGG
6140	DNA; Synthetic Construct	AAAAACCCCAGAtgctttAAAAACCCCAGAtgatctAAAAACCCCAGAtacgctAAA AACCCCAGAtgccgctAAAAACCCCAGAtgctttAAAAACCCCAGAtgatctAAAAA CCCCAGAtacgctAAAAACCCCAGA
6141	DNA; Synthetic Construct	TCTGGGGTTTTTgctttTCTGGGGTTTTTgatctTCTGGGGTTTTTtacgctTCT GGGGTTTTTgccgctTCTGGGGTTTTTgctttTCTGGGGTTTTTgatctTCTGG GGTTTTTtacgctTCTGGGGTTTTT
6142	DNA; Synthetic Construct	AAAAGCCCCAGAtgctttAAAAGCCCCAGAtgatctAAAAGCCCCAGAtacgctAAA AGCCCCAGAtgccgctAAAAGCCCCAGAtgctttAAAAGCCCCAGAtgatctAAAAG CCCCAGAtacgctAAAAGCCCCAGA
6143	DNA; Synthetic Construct	TCTGGGGCTTTTgctttTCTGGGGCTTTTgatctTCTGGGGCTTTTtacgctTCT GGGGCTTTTgccgctTCTGGGGCTTTTgctttTCTGGGGCTTTTgatctTCTGG GGCTTTTtacgctTCTGGGGCTTTT
6144	DNA; Synthetic Construct	AGAGGTCAtacgctAGAGGTCAtgccgctAGAGGTCAtgctttAGAGGTCAtgatct AGAGGTCAtacgctAGAGGTCAtgccgctAGAGGTCAtgctttAGAGGTCAtgatct AGAGGTCAtacgctAGAGGTCA
6145	DNA; Synthetic Construct	TGACCTCTtacgctTGACCTCTtgccgctTGACCTCTtgctttTGACCTCTtgatct TGACCTCTtacgctTGACCTCTtgccgctTGACCTCTtgctttTGACCTCTtgatct TGACCTCTtacgctTGACCTCT

6146	DNA; Synthetic Construct	AGGGGTCAtacgctAGGGGTCAtgccgctAGGGGTCAtgctttAGGGGTCAtgatct AGGGGTCAtacgctAGGGGTCAtgccgctAGGGGTCAtgctttAGGGGTCAtgatct AGGGGTCAtacgctAGGGGTCA
6147	DNA; Synthetic Construct	TGACCCCTtacgctTGACCCCTtgccgctTGACCCCTtgctttTGACCCCTtgatct TGACCCCTtacgctTGACCCCTtgccgctTGACCCCTtgctttTGACCCCTtgatct TGACCCCTtacgctTGACCCCT
6148	DNA; Synthetic Construct	TGATGACtgatctTGATGACtacgctTGATGACtgccgctTGATGACtgctttTGAT GACtgatctTGATGACtacgctTGATGACtgccgctTGATGACtgctttTGATGACt gatctTGATGACtacgctTGATGAC
6149	DNA; Synthetic Construct	GTCATCAtgatctGTCATCAtacgctGTCATCAtgccgctGTCATCAtgctttGTCA TCAtgatctGTCATCAtacgctGTCATCAtgccgctGTCATCAtgctttGTCATCAt gatctGTCATCAtacgctGTCATCA
6150	DNA; Synthetic Construct	AGATCAAAGtacgctAGATCAAAGtgccgctAGATCAAAGtgctttAGATCAAAGtg atctAGATCAAAGtacgctAGATCAAAGtgccgctAGATCAAAGtgctttAGATCAA AGtgatctAGATCAAAGtacgctAGATCAAAG
6151	DNA; Synthetic Construct	CTTTGATCTtacgctCTTTGATCTtgccgctCTTTGATCTtgctttCTTTGATCTtg atctCTTTGATCTtacgctCTTTGATCTtgccgctCTTTGATCTtgctttCTTTGAT CTtgatctCTTTGATCTtacgctCTTTGATCT
6152	DNA; Synthetic Construct	ACATCAAAGtacgctACATCAAAGtgccgctACATCAAAGtgctttACATCAAAGtg atctACATCAAAGtacgctACATCAAAGtgccgctACATCAAAGtgctttACATCAA AGtgatctACATCAAAGtacgctACATCAAAG
6153	DNA; Synthetic Construct	CTTTGATGTtacgctCTTTGATGTtgccgctCTTTGATGTtgctttCTTTGATGTtg atctCTTTGATGTtacgctCTTTGATGTtgccgctCTTTGATGTtgctttCTTTGAT GTtgatctCTTTGATGTtacgctCTTTGATGT
6154	DNA; Synthetic Construct	AAAATGCTGAGTCATtgatctAAAATGCTGAGTCATtacgctAAAATGCTGAGTCAT tgccgctAAAATGCTGAGTCATtgctttAAAATGCTGAGTCATtgatctAAAATGCT GAGTCATtacgctAAAATGCTGAGTCAT
6155	DNA; Synthetic Construct	ATGACTCAGCATTTTtgatctATGACTCAGCATTTTtacgctATGACTCAGCATTTT tgccgctATGACTCAGCATTTTtgctttATGACTCAGCATTTTtgatctATGACTCA GCATTTTtacgctATGACTCAGCATTTT
6156	DNA; Synthetic Construct	AATATGCTGAGTCATtgatctAATATGCTGAGTCATtacgctAATATGCTGAGTCAT tgccgctAATATGCTGAGTCATtgctttAATATGCTGAGTCATtgatctAATATGCT GAGTCATtacgctAATATGCTGAGTCAT
6157	DNA; Synthetic Construct	ATGACTCAGCATATTtgatctATGACTCAGCATATTtacgctATGACTCAGCATATT tgccgctATGACTCAGCATATTtgctttATGACTCAGCATATTtgatctATGACTCA GCATATTtacgctATGACTCAGCATATT
6158	DNA; Synthetic Construct	ATAATGCTGAGTCATtgatctATAATGCTGAGTCATtacgctATAATGCTGAGTCAT tgccgctATAATGCTGAGTCATtgctttATAATGCTGAGTCATtgatctATAATGCT GAGTCATtacgctATAATGCTGAGTCAT
6159	DNA; Synthetic Construct	ATGACTCAGCATTATtgatctATGACTCAGCATTATtacgctATGACTCAGCATTAT tgccgctATGACTCAGCATTATtgctttATGACTCAGCATTATtgatctATGACTCA GCATTATtacgctATGACTCAGCATTAT
6160	DNA; Synthetic Construct	ATTATGCTGAGTCATtgatctATTATGCTGAGTCATtacgctATTATGCTGAGTCAT tgccgctATTATGCTGAGTCATtgctttATTATGCTGAGTCATtgatctATTATGCT GAGTCATtacgctATTATGCTGAGTCAT
6161	DNA; Synthetic Construct	ATGACTCAGCATAATtgatctATGACTCAGCATAATtacgctATGACTCAGCATAAT tgccgctATGACTCAGCATAATtgctttATGACTCAGCATAATtgatctATGACTCA GCATAATtacgctATGACTCAGCATAAT
6162	DNA; Synthetic Construct	AATATGCAAATTAtgctttAATATGCAAATTAtgatctAATATGCAAATTAtacgct AATATGCAAATTAtgccgctAATATGCAAATTAtgctttAATATGCAAATTAtgatc tAATATGCAAATTAtacgctAATATGCAAATTA
6163	DNA; Synthetic Construct	TAATTTGCATATTtgctttTAATTTGCATATTtgatctTAATTTGCATATTtacgct TAATTTGCATATTtgccgctTAATTTGCATATTtgctttTAATTTGCATATTtgatc tTAATTTGCATATTtacgctTAATTTGCATATT

6164	DNA; Synthetic Construct	AATATGCAAATTTtgctttAATATGCAAATTTtgatctAATATGCAAATTTtacgct AATATGCAAATTTtgccgctAATATGCAAATTTtgctttAATATGCAAATTTtgatc tAATATGCAAATTTtacgctAATATGCAAATTT
6165	DNA; Synthetic Construct	AAATTTGCATATTtgctttAAATTTGCATATTtgatctAAATTTGCATATTtacgct AAATTTGCATATTtgccgctAAATTTGCATATTtgctttAAATTTGCATATTtgatc tAAATTTGCATATTtacgctAAATTTGCATATT
6166	DNA; Synthetic Construct	AATATGCTAATTAtgctttAATATGCTAATTAtgatctAATATGCTAATTAtacgct AATATGCTAATTAtgccgctAATATGCTAATTAtgctttAATATGCTAATTAtgatc tAATATGCTAATTAtacgctAATATGCTAATTA
6167	DNA; Synthetic Construct	TAATTAGCATATTtgctttTAATTAGCATATTtgatcttAATTAGCATATTtacgct TAATTAGCATATTtgccgctTAATTAGCATATTtgctttTAATTAGCATATTtgatc tTAATTAGCATATTtacgctTAATTAGCATATT
6168	DNA; Synthetic Construct	AATATGCTAATTTtgctttAATATGCTAATTTtgatctAATATGCTAATTTtacgct AATATGCTAATTTtgccgctAATATGCTAATTTtgctttAATATGCTAATTTtgatc tAATATGCTAATTTtacgctAATATGCTAATTT
6169	DNA; Synthetic Construct	AAATTAGCATATTtgctttAAATTAGCATATTtgatctAAATTAGCATATTtacgct AAATTAGCATATTtgccgctAAATTAGCATATTtgctttAAATTAGCATATTtgatc tAAATTAGCATATTtacgctAAATTAGCATATT
6170	DNA; Synthetic Construct	ATTATGCAAATTAtgctttATTATGCAAATTAtgatctATTATGCAAATTAtacgct ATTATGCAAATTAtgccgctATTATGCAAATTAtgctttATTATGCAAATTAtgatc tATTATGCAAATTAtacgctATTATGCAAATTA
6171	DNA; Synthetic Construct	TAATTTGCATAATtgctttTAATTTGCATAATtgatcttAATTTGCATAATtacgct TAATTTGCATAATtgccgcttAATTTGCATAATtgctttTAATTTGCATAATtgatc tTAATTTGCATAATtacgctTAATTTGCATAAT
6172	DNA; Synthetic Construct	ATTATGCAAATTTtgctttATTATGCAAATTTtgatctATTATGCAAATTTtacgct ATTATGCAAATTTtgccgctATTATGCAAATTTtgctttATTATGCAAATTTtgatc tATTATGCAAATTTtacgctATTATGCAAATTT
6173	DNA; Synthetic Construct	AAATTTGCATAATtgctttAAATTTGCATAATtgatctAAATTTGCATAATtacgct AAATTTGCATAATtgccgctAAATTTGCATAATtgctttAAATTTGCATAATtgatc tAAATTTGCATAATtacgctAAATTTGCATAAT
6174	DNA; Synthetic Construct	ATTATGCTAATTAtgctttATTATGCTAATTAtgatctATTATGCTAATTAtacgct ATTATGCTAATTAtgccgctATTATGCTAATTAtgctttATTATGCTAATTAtgatc tATTATGCTAATTAtacgctATTATGCTAATTA
6175	DNA; Synthetic Construct	TAATTAGCATAATtgctttTAATTAGCATAATtgatcttAATTAGCATAATtacgct TAATTAGCATAATtgccgctTAATTAGCATAATtgctttTAATTAGCATAATtgatc tTAATTAGCATAATtacgctTAATTAGCATAAT
6176	DNA; Synthetic Construct	ATTATGCTAATTTtgctttATTATGCTAATTTtgatctATTATGCTAATTTtacgct ATTATGCTAATTTtgccgctATTATGCTAATTTtgctttATTATGCTAATTTtgatc tATTATGCTAATTTtacgctATTATGCTAATTT
6177	DNA; Synthetic Construct	AAATTAGCATAATtgctttAAATTAGCATAATtgatctAAATTAGCATAATtacgct AAATTAGCATAATtgccgctAAATTAGCATAATtgctttAAATTAGCATAATtgatc tAAATTAGCATAATtacgctAAATTAGCATAAT
6178	DNA; Synthetic Construct	TATATGCAAATTAtgctttTATATGCAAATTAtgatcttATATGCAAATTAtacgct TATATGCAAATTAtgccgctTATATGCAAATTAtgctttTATATGCAAATTAtgatc tTATATGCAAATTAtacgctTATATGCAAATTA
6179	DNA; Synthetic Construct	TAATTTGCATATAtgctttTAATTTGCATATAtgatcttAATTTGCATATAtacgct TAATTTGCATATAtgccgctTAATTTGCATATAtgctttTAATTTGCATATAtgatc tTAATTTGCATATAtacgctTAATTTGCATATA
6180	DNA; Synthetic Construct	TATATGCAAATTTtgctttTATATGCAAATTTtgatcttATATGCAAATTTtacgct TATATGCAAATTTtgccgctTATATGCAAATTTtgctttTATATGCAAATTTtgatc tTATATGCAAATTTtacgctTATATGCAAATTT
6181	DNA; Synthetic Construct	AAATTTGCATATAtgctttAAATTTGCATATAtgatctAAATTTGCATATAtacgct AAATTTGCATATAtgccgctAAATTTGCATATAtgctttAAATTTGCATATAtgatc tAAATTTGCATATAtacgctAAATTTGCATATA

6182	DNA; Synthetic Construct	TATATGCTAATTAtgctttTATATGCTAATTAtgatctTATATGCTAATTAtacgct TATATGCTAATTAtgccgctTATATGCTAATTAtgctttTATATGCTAATTAtgatc tTATATGCTAATTAtacgctTATATGCTAATTA
6183	DNA; Synthetic Construct	TAATTAGCATATAtgctttTAATTAGCATATAtgatctTAATTAGCATATAtacgct TAATTAGCATATAtgccgctTAATTAGCATATAtgctttTAATTAGCATATAtgatc tTAATTAGCATATAtacgctTAATTAGCATATA
6184	DNA; Synthetic Construct	TATATGCTAATTTtgctttTATATGCTAATTTtgatctTATATGCTAATTTtacgct TATATGCTAATTTtgccgctTATATGCTAATTTtgctttTATATGCTAATTTtgatc tTATATGCTAATTTtacgctTATATGCTAATTT
6185	DNA; Synthetic Construct	AAATTAGCATATAtgctttAAATTAGCATATAtgatctAAATTAGCATATAtacgct AAATTAGCATATAtgccgctAAATTAGCATATAtgctttAAATTAGCATATAtgatc tAAATTAGCATATAtacgctAAATTAGCATATA
6186	DNA; Synthetic Construct	TTTATGCAAATTAtgctttTTTATGCAAATTAtgatctTTTATGCAAATTAtacgct TTTATGCAAATTAtgccgctTTTATGCAAATTAtgctttTTTATGCAAATTAtgatc tTTTATGCAAATTAtacgctTTTATGCAAATTA
6187	DNA; Synthetic Construct	TAATTTGCATAAAtgctttTAATTTGCATAAAtgatctTAATTTGCATAAAtacgct TAATTTGCATAAAtgccgctTAATTTGCATAAAtgctttTAATTTGCATAAAtgatc tTAATTTGCATAAAtacgctTAATTTGCATAAA
6188	DNA; Synthetic Construct	TTTATGCAAATTTtgctttTTTATGCAAATTTtgatctTTTATGCAAATTTtacgct TTTATGCAAATTTtgccgctTTTATGCAAATTTtgctttTTTATGCAAATTTtgatc tTTTATGCAAATTTtacgctTTTATGCAAATTT
6189	DNA; Synthetic Construct	AAATTTGCATAAAtgctttAAATTTGCATAAAtgatctAAATTTGCATAAAtacgct AAATTTGCATAAAtgccgctAAATTTGCATAAAtgctttAAATTTGCATAAAtgatc tAAATTTGCATAAAtacgctAAATTTGCATAAA
6190	DNA; Synthetic Construct	TTTATGCTAATTAtgctttTTTATGCTAATTAtgatctTTTATGCTAATTAtacgct TTTATGCTAATTAtgccgctTTTATGCTAATTAtgctttTTTATGCTAATTAtgatc tTTTATGCTAATTAtacgctTTTATGCTAATTA
6191	DNA; Synthetic Construct	TAATTAGCATAAAtgctttTAATTAGCATAAAtgatctTAATTAGCATAAAtacgct TAATTAGCATAAAtgccgctTAATTAGCATAAAtgctttTAATTAGCATAAAtgatc tTAATTAGCATAAAtacgctTAATTAGCATAAA
6192	DNA; Synthetic Construct	TTTATGCTAATTTtgctttTTTATGCTAATTTtgatctTTTATGCTAATTTtacgct TTTATGCTAATTTtgccgctTTTATGCTAATTTtgctttTTTATGCTAATTTtgatc tTTTATGCTAATTTtacgctTTTATGCTAATTT
6193	DNA; Synthetic Construct	AAATTAGCATAAAtgctttAAATTAGCATAAAtgatctAAATTAGCATAAAtacgct AAATTAGCATAAAtgccgctAAATTAGCATAAAtgctttAAATTAGCATAAAtgatc tAAATTAGCATAAAtacgctAAATTAGCATAAA
6194	DNA; Synthetic Construct	AGATAAGCATCAGtgctttAGATAAGCATCAGtgatctAGATAAGCATCAGtacgct AGATAAGCATCAGtgccgctAGATAAGCATCAGtgctttAGATAAGCATCAGtgatc tAGATAAGCATCAGtacgctAGATAAGCATCAG
6195	DNA; Synthetic Construct	CTGATGCTTATCTtgctttCTGATGCTTATCTtgatctCTGATGCTTATCTtacgct CTGATGCTTATCTtgccgctCTGATGCTTATCTtgctttCTGATGCTTATCTtgatc tCTGATGCTTATCTtacgctCTGATGCTTATCT
6196	DNA; Synthetic Construct	AGATAAGCATCACtgctttAGATAAGCATCACtgatctAGATAAGCATCACtacgct AGATAAGCATCACtgccgctAGATAAGCATCACtgctttAGATAAGCATCACtgatc tAGATAAGCATCACtacgctAGATAAGCATCAC
6197	DNA; Synthetic Construct	GTGATGCTTATCTtgctttGTGATGCTTATCTtgatctGTGATGCTTATCTtacgct GTGATGCTTATCTtgccgctGTGATGCTTATCTtgctttGTGATGCTTATCTtgatc tGTGATGCTTATCTtacgctGTGATGCTTATCT
6198	DNA; Synthetic Construct	AGATAAGCATCTGtgctttAGATAAGCATCTGtgatctAGATAAGCATCTGtacgct AGATAAGCATCTGtgccgctAGATAAGCATCTGtgctttAGATAAGCATCTGtgatc tAGATAAGCATCTGtacgctAGATAAGCATCTG
6199	DNA; Synthetic Construct	CAGATGCTTATCTtgctttCAGATGCTTATCTtgatctCAGATGCTTATCTtacgct CAGATGCTTATCTtgccgctCAGATGCTTATCTtgctttCAGATGCTTATCTtgatc tCAGATGCTTATCTtacgctCAGATGCTTATCT

6200	DNA; Synthetic Construct	AGATAAGCATCTCtgctttAGATAAGCATCTCtgatctAGATAAGCATCTCtacgct AGATAAGCATCTCtgccgctAGATAAGCATCTCtgctttAGATAAGCATCTCtgatc tAGATAAGCATCTCtacgctAGATAAGCATCTC
6201	DNA; Synthetic Construct	GAGATGCTTATCTtgctttGAGATGCTTATCTtgatctGAGATGCTTATCTtacgct GAGATGCTTATCTtgccgctGAGATGCTTATCTtgctttGAGATGCTTATCTtgatc tGAGATGCTTATCTtacgctGAGATGCTTATCT
6202	DNA; Synthetic Construct	AGATAGGCATCAGtgctttAGATAGGCATCAGtgatctAGATAGGCATCAGtacgct AGATAGGCATCAGtgccgctAGATAGGCATCAGtgctttAGATAGGCATCAGtgatc tAGATAGGCATCAGtacgctAGATAGGCATCAG
6203	DNA; Synthetic Construct	CTGATGCCTATCTtgctttCTGATGCCTATCTtgatctCTGATGCCTATCTtacgct CTGATGCCTATCTtgccgctCTGATGCCTATCTtgctttCTGATGCCTATCTtgatc tCTGATGCCTATCTtacgctCTGATGCCTATCT
6204	DNA; Synthetic Construct	AGATAGGCATCACtgctttAGATAGGCATCACtgatctAGATAGGCATCACtacgct AGATAGGCATCACtgccgctAGATAGGCATCACtgctttAGATAGGCATCACtgatc tAGATAGGCATCACtacgctAGATAGGCATCAC
6205	DNA; Synthetic Construct	GTGATGCCTATCTtgctttGTGATGCCTATCTtgatctGTGATGCCTATCTtacgct GTGATGCCTATCTtgccgctGTGATGCCTATCTtgctttGTGATGCCTATCTtgatc tGTGATGCCTATCTtacgctGTGATGCCTATCT
6206	DNA; Synthetic Construct	AGATAGGCATCTGtgctttAGATAGGCATCTGtgatctAGATAGGCATCTGtacgct AGATAGGCATCTGtgccgctAGATAGGCATCTGtgctttAGATAGGCATCTGtgatc tAGATAGGCATCTGtacgctAGATAGGCATCTG
6207	DNA; Synthetic Construct	CAGATGCCTATCTtgctttCAGATGCCTATCTtgatctCAGATGCCTATCTtacgct CAGATGCCTATCTtgccgctCAGATGCCTATCTtgctttCAGATGCCTATCTtgatc tCAGATGCCTATCTtacgctCAGATGCCTATCT
6208	DNA; Synthetic Construct	AGATAGGCATCTCtgctttAGATAGGCATCTCtgatctAGATAGGCATCTCtacgct AGATAGGCATCTCtgccgctAGATAGGCATCTCtgctttAGATAGGCATCTCtgatc tAGATAGGCATCTCtacgctAGATAGGCATCTC
6209	DNA; Synthetic Construct	GAGATGCCTATCTtgctttGAGATGCCTATCTtgatctGAGATGCCTATCTtacgct GAGATGCCTATCTtgccgctGAGATGCCTATCTtgctttGAGATGCCTATCTtgatc tGAGATGCCTATCTtacgctGAGATGCCTATCT
6210	DNA; Synthetic Construct	TGATAAGCATCAGtgctttTGATAAGCATCAGtgatcttGATAAGCATCAGtacgct TGATAAGCATCAGtgccgcttGATAAGCATCAGtgctttTGATAAGCATCAGtgatc tTGATAAGCATCAGtacgcttGATAAGCATCAG
6211	DNA; Synthetic Construct	CTGATGCTTATCAtgctttCTGATGCTTATCAtgatctCTGATGCTTATCAtacgct CTGATGCTTATCAtgccgctCTGATGCTTATCAtgctttCTGATGCTTATCAtgatc tCTGATGCTTATCAtacgctCTGATGCTTATCA
6212	DNA; Synthetic Construct	TGATAAGCATCACtgctttTGATAAGCATCACtgatcttGATAAGCATCACtacgct TGATAAGCATCACtgccgcttGATAAGCATCACtgctttTGATAAGCATCACtgatc tTGATAAGCATCACtacgcttGATAAGCATCAC
6213	DNA; Synthetic Construct	GTGATGCTTATCAtgctttGTGATGCTTATCAtgatctGTGATGCTTATCAtacgct GTGATGCTTATCAtgccgctGTGATGCTTATCAtgctttGTGATGCTTATCAtgatc tGTGATGCTTATCAtacgctGTGATGCTTATCA
6214	DNA; Synthetic Construct	TGATAAGCATCTGtgctttTGATAAGCATCTGtgatcttGATAAGCATCTGtacgct TGATAAGCATCTGtgccgcttGATAAGCATCTGtgctttTGATAAGCATCTGtgatc tTGATAAGCATCTGtacgcttGATAAGCATCTG
6215	DNA; Synthetic Construct	CAGATGCTTATCAtgctttCAGATGCTTATCAtgatctCAGATGCTTATCAtacgct CAGATGCTTATCAtgccgctCAGATGCTTATCAtgctttCAGATGCTTATCAtgatc tCAGATGCTTATCAtacgctCAGATGCTTATCA
6216	DNA; Synthetic Construct	TGATAAGCATCTCtgctttTGATAAGCATCTCtgatcttGATAAGCATCTCtacgct TGATAAGCATCTCtgccgcttGATAAGCATCTCtgctttTGATAAGCATCTCtgatc tTGATAAGCATCTCtacgcttGATAAGCATCTC
6217	DNA; Synthetic Construct	GAGATGCTTATCAtgctttGAGATGCTTATCAtgatctGAGATGCTTATCAtacgct GAGATGCTTATCAtgccgctGAGATGCTTATCAtgctttGAGATGCTTATCAtgatc tGAGATGCTTATCAtacgctGAGATGCTTATCA

6218	DNA; Synthetic Construct	TGATAGGCATCAGtgctttTGATAGGCATCAGtgatctTGATAGGCATCAGtacgct TGATAGGCATCAGtgccgcttGATAGGCATCAGtgctttTGATAGGCATCAGtgatc tTGATAGGCATCAGtacgcttGATAGGCATCAG
6219	DNA; Synthetic Construct	CTGATGCCTATCAtgctttCTGATGCCTATCAtgatctCTGATGCCTATCAtacgct CTGATGCCTATCAtgccgctCTGATGCCTATCAtgctttCTGATGCCTATCAtgatc tCTGATGCCTATCAtacgctCTGATGCCTATCA
6220	DNA; Synthetic Construct	TGATAGGCATCACtgctttTGATAGGCATCACtgatctTGATAGGCATCACtacgct TGATAGGCATCACtgccgcttGATAGGCATCACtgctttTGATAGGCATCACtgatc tTGATAGGCATCACtacgcttGATAGGCATCAC
6221	DNA; Synthetic Construct	GTGATGCCTATCAtgctttGTGATGCCTATCAtgatctGTGATGCCTATCAtacgct GTGATGCCTATCAtgccgctGTGATGCCTATCAtgctttGTGATGCCTATCAtgatc tGTGATGCCTATCAtacgctGTGATGCCTATCA
6222	DNA; Synthetic Construct	TGATAGGCATCTGtgctttTGATAGGCATCTGtgatctTGATAGGCATCTGtacgct TGATAGGCATCTGtgccgcttGATAGGCATCTGtgctttTGATAGGCATCTGtgatc tTGATAGGCATCTGtacgcttGATAGGCATCTG
6223	DNA; Synthetic Construct	CAGATGCCTATCAtgctttCAGATGCCTATCAtgatctCAGATGCCTATCAtacgct CAGATGCCTATCAtgccgctCAGATGCCTATCAtgctttCAGATGCCTATCAtgatc tCAGATGCCTATCAtacgctCAGATGCCTATCA
6224	DNA; Synthetic Construct	TGATAGGCATCTCtgctttTGATAGGCATCTCtgatctTGATAGGCATCTCtacgct TGATAGGCATCTCtgccgcttGATAGGCATCTCtgctttTGATAGGCATCTCtgatc tTGATAGGCATCTCtacgcttGATAGGCATCTC
6225	DNA; Synthetic Construct	GAGATGCCTATCAtgctttGAGATGCCTATCAtgatctGAGATGCCTATCAtacgct GAGATGCCTATCAtgccgctGAGATGCCTATCAtgctttGAGATGCCTATCAtgatc tGAGATGCCTATCAtacgctGAGATGCCTATCA
6226	DNA; Synthetic Construct	AACAGCTGATtgccgctAACAGCTGATtgctttAACAGCTGATtgatctAACAGCTG ATtacgctAACAGCTGATtgccgctAACAGCTGATtgctttAACAGCTGATtgatct AACAGCTGATtacgctAACAGCTGAT
6227	DNA; Synthetic Construct	ATCAGCTGTTtgccgctATCAGCTGTTtgctttATCAGCTGTTtgatctATCAGCTG TTtacgctATCAGCTGTTtgccgctATCAGCTGTTtgctttATCAGCTGTTtgatct ATCAGCTGTTtacgctATCAGCTGTT
6228	DNA; Synthetic Construct	ATCAGCTGATtgccgctATCAGCTGATtgctttATCAGCTGATtgatctATCAGCTG ATtacgctATCAGCTGATtgccgctATCAGCTGATtgctttATCAGCTGATtgatct ATCAGCTGATtacgctATCAGCTGAT
6229	DNA; Synthetic Construct	ATCAGCTGATtgccgctATCAGCTGATtgctttATCAGCTGATtgatctATCAGCTG ATtacgctATCAGCTGATtgccgctATCAGCTGATtgctttATCAGCTGATtgatct ATCAGCTGATtacgctATCAGCTGAT
6230	DNA; Synthetic Construct	AAAATGCTGAGTCATtgatctAAAATGCTGAGTCATtacgctAAAATGCTGAGTCAT tgccgctAAAATGCTGAGTCATtgctttAAAATGCTGAGTCATtgatctAAAATGCT GAGTCATtacgctAAAATGCTGAGTCAT
6231	DNA; Synthetic Construct	ATGACTCAGCATTTTtgatctATGACTCAGCATTTTtacgctATGACTCAGCATTTT tgccgctATGACTCAGCATTTTtgctttATGACTCAGCATTTTtgatctATGACTCA GCATTTTtacgctATGACTCAGCATTTT
6232	DNA; Synthetic Construct	AAATTGCTGAGTCATtgatctAAATTGCTGAGTCATtacgctAAATTGCTGAGTCAT tgccgctAAATTGCTGAGTCATtgctttAAATTGCTGAGTCATtgatctAAATTGCT GAGTCATtacgctAAATTGCTGAGTCAT
6233	DNA; Synthetic Construct	ATGACTCAGCAATTTtgatctATGACTCAGCAATTTtacgctATGACTCAGCAATTT tgccgctATGACTCAGCAATTTtgctttATGACTCAGCAATTTtgatctATGACTCA GCAATTTtacgctATGACTCAGCAATTT
6234	DNA; Synthetic Construct	AATATGCTGAGTCATtgatctAATATGCTGAGTCATtacgctAATATGCTGAGTCAT tgccgctAATATGCTGAGTCATtgctttAATATGCTGAGTCATtgatctAATATGCT GAGTCATtacgctAATATGCTGAGTCAT
6235	DNA; Synthetic Construct	ATGACTCAGCATATTtgatctATGACTCAGCATATTtacgctATGACTCAGCATATT tgccgctATGACTCAGCATATTtgctttATGACTCAGCATATTtgatctATGACTCA GCATATTtacgctATGACTCAGCATATT

6236	DNA; Synthetic Construct	AATTTGCTGAGTCATtgatctAATTTGCTGAGTCATtacgctAATTTGCTGAGTCAT tgccgctAATTTGCTGAGTCATtgctttAATTTGCTGAGTCATtgatctAATTTGCT GAGTCATtacgctAATTTGCTGAGTCAT
6237	DNA; Synthetic Construct	ATGACTCAGCAAATTtgatctATGACTCAGCAAATTtacgctATGACTCAGCAAATT tgccgctATGACTCAGCAAATTtgctttATGACTCAGCAAATTtgatctATGACTCA GCAAATTtacgctATGACTCAGCAAATT
6238	DNA; Synthetic Construct	ATAATGCTGAGTCATtgatctATAATGCTGAGTCATtacgctATAATGCTGAGTCAT tgccgctATAATGCTGAGTCATtgctttATAATGCTGAGTCATtgatctATAATGCT GAGTCATtacgctATAATGCTGAGTCAT
6239	DNA; Synthetic Construct	ATGACTCAGCATTATtgatctATGACTCAGCATTATtacgctATGACTCAGCATTAT tgccgctATGACTCAGCATTATtgctttATGACTCAGCATTATtgatctATGACTCA GCATTATtacgctATGACTCAGCATTAT
6240	DNA; Synthetic Construct	ATATTGCTGAGTCATtgatctATATTGCTGAGTCATtacgctATATTGCTGAGTCAT tgccgctATATTGCTGAGTCATtgctttATATTGCTGAGTCATtgatctATATTGCT GAGTCATtacgctATATTGCTGAGTCAT
6241	DNA; Synthetic Construct	ATGACTCAGCAATATtgatctATGACTCAGCAATATtacgctATGACTCAGCAATAT tgccgctATGACTCAGCAATATtgctttATGACTCAGCAATATtgatctATGACTCA GCAATATtacgctATGACTCAGCAATAT
6242	DNA; Synthetic Construct	ATTATGCTGAGTCATtgatctATTATGCTGAGTCATtacgctATTATGCTGAGTCAT tgccgctATTATGCTGAGTCATtgctttATTATGCTGAGTCATtgatctATTATGCT GAGTCATtacgctATTATGCTGAGTCAT
6243	DNA; Synthetic Construct	ATGACTCAGCATAATtgatctATGACTCAGCATAATtacgctATGACTCAGCATAAT tgccgctATGACTCAGCATAATtgctttATGACTCAGCATAATtgatctATGACTCA GCATAATtacgctATGACTCAGCATAAT
6244	DNA; Synthetic Construct	ATTTTGCTGAGTCATtgatctATTTTGCTGAGTCATtacgctATTTTGCTGAGTCAT tgccgctATTTTGCTGAGTCATtgctttATTTTGCTGAGTCATtgatctATTTTGCT GAGTCATtacgctATTTTGCTGAGTCAT
6245	DNA; Synthetic Construct	ATGACTCAGCAAAATtgatctATGACTCAGCAAAATtacgctATGACTCAGCAAAAT tgccgctATGACTCAGCAAAATtgctttATGACTCAGCAAAATtgatctATGACTCA GCAAAATtacgctATGACTCAGCAAAAT
6246	DNA; Synthetic Construct	TTTCAGTTCCCCATtgatctTTTCAGTTCCCCATtacgctTTTCAGTTCCCCATtgc cgctTTTCAGTTCCCCATtgctttTTTCAGTTCCCCATtgatctTTTCAGTTCCCCA TtacgctTTTCAGTTCCCCAT
6247	DNA; Synthetic Construct	ATGGGGAACTGAAAtgatctATGGGGAACTGAAAtacgctATGGGGAACTGAAAtgc cgctATGGGGAACTGAAAtgctttATGGGGAACTGAAAtgatctATGGGGAACTGAA AtacgctATGGGGAACTGAAA
6248	DNA; Synthetic Construct	TTTCAGTTCCTCATtgatctTTTCAGTTCCTCATtacgctTTTCAGTTCCTCATtgc cgctTTTCAGTTCCTCATtgctttTTTCAGTTCCTCATtgatctTTTCAGTTCCTCA TtacgctTTTCAGTTCCTCAT
6249	DNA; Synthetic Construct	ATGAGGAACTGAAAtgatctATGAGGAACTGAAAtacgctATGAGGAACTGAAAtgc cgctATGAGGAACTGAAAtgctttATGAGGAACTGAAAtgatctATGAGGAACTGAA AtacgctATGAGGAACTGAAA
6250	DNA; Synthetic Construct	TTTCACTTCCCCATtgatctTTTCACTTCCCCATtacgctTTTCACTTCCCCATtgc cgctTTTCACTTCCCCATtgctttTTTCACTTCCCCATtgatctTTTCACTTCCCCA TtacgctTTTCACTTCCCCAT
6251	DNA; Synthetic Construct	ATGGGGAAGTGAAAtgatctATGGGGAAGTGAAAtacgctATGGGGAAGTGAAAtgc cgctATGGGGAAGTGAAAtgctttATGGGGAAGTGAAAtgatctATGGGGAAGTGAA AtacgctATGGGGAAGTGAAA
6252	DNA; Synthetic Construct	TTTCACTTCCTCATtgatctTTTCACTTCCTCATtacgctTTTCACTTCCTCATtgc cgctTTTCACTTCCTCATtgctttTTTCACTTCCTCATtgatctTTTCACTTCCTCA TtacgctTTTCACTTCCTCAT
6253	DNA; Synthetic Construct	ATGAGGAAGTGAAAtgatctATGAGGAAGTGAAAtacgctATGAGGAAGTGAAAtgc cgctATGAGGAAGTGAAAtgctttATGAGGAAGTGAAAtgatctATGAGGAAGTGAA AtacgctATGAGGAAGTGAAA

6254	DNA; Synthetic Construct	TTGACAAGtacgctTTGACAAGtgccgctTTGACAAGtgctttTTGACAAGtgatct TTGACAAGtacgctTTGACAAGtgccgctTTGACAAGtgctttTTGACAAGtgatct TTGACAAGtacgctTTGACAAG
6255	DNA; Synthetic Construct	CTTGTCAAtacgctCTTGTCAAtgccgctCTTGTCAAtgctttCTTGTCAAtgatct CTTGTCAAtacgctCTTGTCAAtgccgctCTTGTCAAtgctttCTTGTCAAtgatct CTTGTCAAtacgctCTTGTCAA
6256	DNA; Synthetic Construct	TTGACATGtacgctTTGACATGtgccgctTTGACATGtgctttTTGACATGtgatct TTGACATGtacgctTTGACATGtgccgctTTGACATGtgctttTTGACATGtgatct TTGACATGtacgctTTGACATG
6257	DNA; Synthetic Construct	CATGTCAAtacgctCATGTCAAtgccgctCATGTCAAtgctttCATGTCAAtgatct CATGTCAAtacgctCATGTCAAtgccgctCATGTCAAtgctttCATGTCAAtgatct CATGTCAAtacgctCATGTCAA
6258	DNA; Synthetic Construct	TGGGGAAGGGCAtgctttTGGGGAAGGGCAtgatctTGGGGAAGGGCAtacgctTGG GGAAGGGCAtgccgctTGGGGAAGGGCAtgctttTGGGGAAGGGCAtgatctTGGGG AAGGGCAtacgctTGGGGAAGGGCA
6259	DNA; Synthetic Construct	TGCCCTTCCCCAtgctttTGCCCTTCCCCAtgatctTGCCCTTCCCCAtacgctTGC CCTTCCCCAtgccgctTGCCCTTCCCCAtgctttTGCCCTTCCCCAtgatctTGCCC TTCCCCAtacgctTGCCCTTCCCCA
6260	DNA; Synthetic Construct	TGGGGAAGGGCCtgctttTGGGGAAGGGCCtgatctTGGGGAAGGGCCtacgctTGG GGAAGGGCCtgccgctTGGGGAAGGGCCtgctttTGGGGAAGGGCCtgatctTGGGG AAGGGCCtacgctTGGGGAAGGGCC
6261	DNA; Synthetic Construct	GGCCCTTCCCCAtgctttGGCCCTTCCCCAtgatctGGCCCTTCCCCAtacgctGGC CCTTCCCCAtgccgctGGCCCTTCCCCAtgctttGGCCCTTCCCCAtgatctGGCCC TTCCCCAtacgctGGCCCTTCCCCA
6262	DNA; Synthetic Construct	AAGTGGtgctttAAGTGGtgatctAAGTGGtacgctAAGTGGtgccgctAAGTGGtg ctttAAGTGGtgatctAAGTGGtacgctAAGTGGtgccgctAAGTGGtgctttAAGT GGtgatctAAGTGGtacgctAAGTGG
6263	DNA; Synthetic Construct	CCACTTtgctttCCACTTtgatctCCACTTtacgctCCACTTtgccgctCCACTTtg ctttCCACTTtgatctCCACTTtacgctCCACTTtgccgctCCACTTtgctttCCAC TTtgatctCCACTTtacgctCCACTT
6264	DNA; Synthetic Construct	AAGTGCtgctttAAGTGCtgatctAAGTGCtacgctAAGTGCtgccgctAAGTGCtg ctttAAGTGCtgatctAAGTGCtacgctAAGTGCtgccgctAAGTGCtgctttAAGT GCtgatctAAGTGCtacgctAAGTGC
6265	DNA; Synthetic Construct	GCACTTtgctttGCACTTtgatctGCACTTtacgctGCACTTtgccgctGCACTTtg ctttGCACTTtgatctGCACTTtacgctGCACTTtgccgctGCACTTtgctttGCAC TTtgatctGCACTTtacgctGCACTT
6266	DNA; Synthetic Construct	AGATAACCATCTtgctttAGATAACCATCTtgatctAGATAACCATCTtacgctAGA TAACCATCTtgccgctAGATAACCATCTtgctttAGATAACCATCTtgatctAGATA ACCATCTtacgctAGATAACCATCT
6267	DNA; Synthetic Construct	AGATGGTTATCTtgctttAGATGGTTATCTtgatctAGATGGTTATCTtacgctAGA TGGTTATCTtgccgctAGATGGTTATCTtgctttAGATGGTTATCTtgatctAGATG GTTATCTtacgctAGATGGTTATCT
6268	DNA; Synthetic Construct	AGATAAGCATCTtgctttAGATAAGCATCTtgatctAGATAAGCATCTtacgctAGA TAAGCATCTtgccgctAGATAAGCATCTtgctttAGATAAGCATCTtgatctAGATA AGCATCTtacgctAGATAAGCATCT
6269	DNA; Synthetic Construct	AGATGCTTATCTtgctttAGATGCTTATCTtgatctAGATGCTTATCTtacgctAGA TGCTTATCTtgccgctAGATGCTTATCTtgctttAGATGCTTATCTtgatctAGATG CTTATCTtacgctAGATGCTTATCT
6270	DNA; Synthetic Construct	AGATAATCATCTtgctttAGATAATCATCTtgatctAGATAATCATCTtacgctAGA TAATCATCTtgccgctAGATAATCATCTtgctttAGATAATCATCTtgatctAGATA ATCATCTtacgctAGATAATCATCT
6271	DNA; Synthetic Construct	AGATGATTATCTtgctttAGATGATTATCTtgatctAGATGATTATCTtacgctAGA TGATTATCTtgccgctAGATGATTATCTtgctttAGATGATTATCTtgatctAGATG ATTATCTtacgctAGATGATTATCT

6272	DNA; Synthetic Construct	AGATTACCATCTtgctttAGATTACCATCTtgatctAGATTACCATCTtacgctAGA TTACCATCTtgccgctAGATTACCATCTtgctttAGATTACCATCTtgatctAGATT ACCATCTtacgctAGATTACCATCT
6273	DNA; Synthetic Construct	AGATGGTAATCTtgctttAGATGGTAATCTtgatctAGATGGTAATCTtacgctAGA TGGTAATCTtgccgctAGATGGTAATCTtgctttAGATGGTAATCTtgatctAGATG GTAATCTtacgctAGATGGTAATCT
6274	DNA; Synthetic Construct	AGATTAGCATCTtgctttAGATTAGCATCTtgatctAGATTAGCATCTtacgctAGA TTAGCATCTtgccgctAGATTAGCATCTtgctttAGATTAGCATCTtgatctAGATT AGCATCTtacgctAGATTAGCATCT
6275	DNA; Synthetic Construct	AGATGCTAATCTtgctttAGATGCTAATCTtgatctAGATGCTAATCTtacgctAGA TGCTAATCTtgccgctAGATGCTAATCTtgctttAGATGCTAATCTtgatctAGATG CTAATCTtacgctAGATGCTAATCT
6276	DNA; Synthetic Construct	AGATTATCATCTtgctttAGATTATCATCTtgatctAGATTATCATCTtacgctAGA TTATCATCTtgccgctAGATTATCATCTtgctttAGATTATCATCTtgatctAGATT ATCATCTtacgctAGATTATCATCT
6277	DNA; Synthetic Construct	AGATGATAATCTtgctttAGATGATAATCTtgatctAGATGATAATCTtacgctAGA TGATAATCTtgccgctAGATGATAATCTtgctttAGATGATAATCTtgatctAGATG ATAATCTtacgctAGATGATAATCT
6278	DNA; Synthetic Construct	CTCCCGtgctttCTCCCGtgatctCTCCCGtacgctCTCCCGtgccgctCTCCCGtg ctttCTCCCGtgatctCTCCCGtacgctCTCCCGtgccgctCTCCCGtgctttCTCC CGtgatctCTCCCGtacgctCTCCCG
6279	DNA; Synthetic Construct	CGGGAGtgctttCGGGAGtgatctCGGGAGtacgctCGGGAGtgccgctCGGGAGtg ctttCGGGAGtgatctCGGGAGtacgctCGGGAGtgccgctCGGGAGtgctttCGGG AGtgatctCGGGAGtacgctCGGGAG
6280	DNA; Synthetic Construct	CTCCCCtgctttCTCCCCtgatctCTCCCCtacgctCTCCCCtgccgctCTCCCCtg ctttCTCCCCtgatctCTCCCCtacgctCTCCCCtgccgctCTCCCCtgctttCTCC CCtgatctCTCCCCtacgctCTCCCC
6281	DNA; Synthetic Construct	GGGGAGtgctttGGGGAGtgatctGGGGAGtacgctGGGGAGtgccgctGGGGAGtg ctttGGGGAGtgatctGGGGAGtacgctGGGGAGtgccgctGGGGAGtgctttGGGG AGtgatctGGGGAGtacgctGGGGAG
6282	DNA; Synthetic Construct	TTTCTGCtgatctTTTCTGCtacgctTTTCTGCtgccgctTTTCTGCtgctttTTTC TGCtgatctTTTCTGCtacgctTTTCTGCtgccgctTTTCTGCtgctttTTTCTGCt gatctTTTCTGCtacgctTTTCTGC
6283	DNA; Synthetic Construct	GCAGAAAtgatctGCAGAAAtacgctGCAGAAAtgccgctGCAGAAAtgctttGCAG AAAtgatctGCAGAAAtacgctGCAGAAAtgccgctGCAGAAAtgctttGCAGAAAt gatctGCAGAAAtacgctGCAGAAA
6284	DNA; Synthetic Construct	ACTGCTGAGTCAGCAGATTCtgccgctACTGCTGAGTCAGCAGATTCtgctttACTG CTGAGTCAGCAGATTCtgatctACTGCTGAGTCAGCAGATTCtacgctACTGCTGAG TCAGCAGATTC
6285	DNA; Synthetic Construct	GAATCTGCTGACTCAGCAGTtgccgctGAATCTGCTGACTCAGCAGTtgctttGAAT CTGCTGACTCAGCAGTtgatctGAATCTGCTGACTCAGCAGTtacgctGAATCTGCT GACTCAGCAGT
6286	DNA; Synthetic Construct	ACTGCTGAGTCAGCAGATTTtgccgctACTGCTGAGTCAGCAGATTTtgctttACTG CTGAGTCAGCAGATTTtgatctACTGCTGAGTCAGCAGATTTtacgctACTGCTGAG TCAGCAGATTT
6287	DNA; Synthetic Construct	AAATCTGCTGACTCAGCAGTtgccgctAAATCTGCTGACTCAGCAGTtgctttAAAT CTGCTGACTCAGCAGTtgatctAAATCTGCTGACTCAGCAGTtacgctAAATCTGCT GACTCAGCAGT
6288	DNA; Synthetic Construct	ACTGCTGAGTCAGCAGTTTCtgccgctACTGCTGAGTCAGCAGTTTCtgctttACTG CTGAGTCAGCAGTTTCtgatctACTGCTGAGTCAGCAGTTTCtacgctACTGCTGAG TCAGCAGTTTC
6289	DNA; Synthetic Construct	GAAACTGCTGACTCAGCAGTtgccgctGAAACTGCTGACTCAGCAGTtgctttGAAA CTGCTGACTCAGCAGTtgatctGAAACTGCTGACTCAGCAGTtacgctGAAACTGCT GACTCAGCAGT

6290	DNA; Synthetic Construct	ACTGCTGAGTCAGCAGTTTTtgccgctACTGCTGAGTCAGCAGTTTTtgctttACTG CTGAGTCAGCAGTTTTtgatctACTGCTGAGTCAGCAGTTTTtacgctACTGCTGAG TCAGCAGTTTT
6291	DNA; Synthetic Construct	AAAACTGCTGACTCAGCAGTtgccgctAAAACTGCTGACTCAGCAGTtgctttAAAA CTGCTGACTCAGCAGTtgatctAAAACTGCTGACTCAGCAGTtacgctAAAACTGCT GACTCAGCAGT
6292	DNA; Synthetic Construct	ACTGCTGACTCAGCAGATTCtgccgctACTGCTGACTCAGCAGATTCtgctttACTG CTGACTCAGCAGATTCtgatctACTGCTGACTCAGCAGATTCtacgctACTGCTGAC TCAGCAGATTC
6293	DNA; Synthetic Construct	GAATCTGCTGAGTCAGCAGTtgccgctGAATCTGCTGAGTCAGCAGTtgctttGAAT CTGCTGAGTCAGCAGTtgatctGAATCTGCTGAGTCAGCAGTtacgctGAATCTGCT GAGTCAGCAGT
6294	DNA; Synthetic Construct	ACTGCTGACTCAGCAGATTTtgccgctACTGCTGACTCAGCAGATTTtgctttACTG CTGACTCAGCAGATTTtgatctACTGCTGACTCAGCAGATTTtacgctACTGCTGAC TCAGCAGATTT
6295	DNA; Synthetic Construct	AAATCTGCTGAGTCAGCAGTtgccgctAAATCTGCTGAGTCAGCAGTtgctttAAAT CTGCTGAGTCAGCAGTtgatctAAATCTGCTGAGTCAGCAGTtacgctAAATCTGCT GAGTCAGCAGT
6296	DNA; Synthetic Construct	ACTGCTGACTCAGCAGTTTCtgccgctACTGCTGACTCAGCAGTTTCtgctttACTG CTGACTCAGCAGTTTCtgatctACTGCTGACTCAGCAGTTTCtacgctACTGCTGAC TCAGCAGTTTC
6297	DNA; Synthetic Construct	GAAACTGCTGAGTCAGCAGTtgccgctGAAACTGCTGAGTCAGCAGTtgctttGAAA CTGCTGAGTCAGCAGTtgatctGAAACTGCTGAGTCAGCAGTtacgctGAAACTGCT GAGTCAGCAGT
6298	DNA; Synthetic Construct	ACTGCTGACTCAGCAGTTTTtgccgctACTGCTGACTCAGCAGTTTTtgctttACTG CTGACTCAGCAGTTTTtgatctACTGCTGACTCAGCAGTTTTtacgctACTGCTGAC TCAGCAGTTTT
6299	DNA; Synthetic Construct	AAAACTGCTGAGTCAGCAGTtgccgctAAAACTGCTGAGTCAGCAGTtgctttAAAA CTGCTGAGTCAGCAGTtgatctAAAACTGCTGAGTCAGCAGTtacgctAAAACTGCT GAGTCAGCAGT
6300	DNA; Synthetic Construct	TCTGCTGAGTCAGCAGATTCtgccgctTCTGCTGAGTCAGCAGATTCtgctttTCTG CTGAGTCAGCAGATTCtgatctTCTGCTGAGTCAGCAGATTCtacgctTCTGCTGAG TCAGCAGATTC
6301	DNA; Synthetic Construct	GAATCTGCTGACTCAGCAGAtgccgctGAATCTGCTGACTCAGCAGAtgctttGAAT CTGCTGACTCAGCAGAtgatctGAATCTGCTGACTCAGCAGAtacgctGAATCTGCT GACTCAGCAGA
6302	DNA; Synthetic Construct	TCTGCTGAGTCAGCAGATTTtgccgctTCTGCTGAGTCAGCAGATTTtgctttTCTG CTGAGTCAGCAGATTTtgatctTCTGCTGAGTCAGCAGATTTtacgctTCTGCTGAG TCAGCAGATTT
6303	DNA; Synthetic Construct	AAATCTGCTGACTCAGCAGAtgccgctAAATCTGCTGACTCAGCAGAtgctttAAAT CTGCTGACTCAGCAGAtgatctAAATCTGCTGACTCAGCAGAtacgctAAATCTGCT GACTCAGCAGA
6304	DNA; Synthetic Construct	TCTGCTGAGTCAGCAGTTTCtgccgctTCTGCTGAGTCAGCAGTTTCtgctttTCTG CTGAGTCAGCAGTTTCtgatctTCTGCTGAGTCAGCAGTTTCtacgctTCTGCTGAG TCAGCAGTTTC
6305	DNA; Synthetic Construct	GAAACTGCTGACTCAGCAGAtgccgctGAAACTGCTGACTCAGCAGAtgctttGAAA CTGCTGACTCAGCAGAtgatctGAAACTGCTGACTCAGCAGAtacgctGAAACTGCT GACTCAGCAGA
6306	DNA; Synthetic Construct	TCTGCTGAGTCAGCAGTTTTtgccgctTCTGCTGAGTCAGCAGTTTTtgctttTCTG CTGAGTCAGCAGTTTTtgatctTCTGCTGAGTCAGCAGTTTTtacgctTCTGCTGAG TCAGCAGTTTT
6307	DNA; Synthetic Construct	AAAACTGCTGACTCAGCAGAtgccgctAAAACTGCTGACTCAGCAGAtgctttAAAA CTGCTGACTCAGCAGAtgatctAAAACTGCTGACTCAGCAGAtacgctAAAACTGCT GACTCAGCAGA

6308	DNA; Synthetic Construct	TCTGCTGACTCAGCAGATTCtgccgctTCTGCTGACTCAGCAGATTCtgctttTCTG CTGACTCAGCAGATTCtgatctTCTGCTGACTCAGCAGATTCtacgctTCTGCTGAC TCAGCAGATTC
6309	DNA; Synthetic Construct	GAATCTGCTGAGTCAGCAGAtgccgctGAATCTGCTGAGTCAGCAGAtgctttGAAT CTGCTGAGTCAGCAGAtgatctGAATCTGCTGAGTCAGCAGAtacgctGAATCTGCT GAGTCAGCAGA
6310	DNA; Synthetic Construct	TCTGCTGACTCAGCAGATTTtgccgctTCTGCTGACTCAGCAGATTTtgctttTCTG CTGACTCAGCAGATTTtgatctTCTGCTGACTCAGCAGATTTtacgctTCTGCTGAC TCAGCAGATTT
6311	DNA; Synthetic Construct	AAATCTGCTGAGTCAGCAGAtgccgctAAATCTGCTGAGTCAGCAGAtgctttAAAT CTGCTGAGTCAGCAGAtgatctAAATCTGCTGAGTCAGCAGAtacgctAAATCTGCT GAGTCAGCAGA
6312	DNA; Synthetic Construct	TCTGCTGACTCAGCAGTTTCtgccgctTCTGCTGACTCAGCAGTTTCtgctttTCTG CTGACTCAGCAGTTTCtgatctTCTGCTGACTCAGCAGTTTCtacgctTCTGCTGAC TCAGCAGTTTC
6313	DNA; Synthetic Construct	GAAACTGCTGAGTCAGCAGAtgccgctGAAACTGCTGAGTCAGCAGAtgctttGAAA CTGCTGAGTCAGCAGAtgatctGAAACTGCTGAGTCAGCAGAtacgctGAAACTGCT GAGTCAGCAGA
6314	DNA; Synthetic Construct	TCTGCTGACTCAGCAGTTTTtgccgctTCTGCTGACTCAGCAGTTTTtgctttTCTG CTGACTCAGCAGTTTTtgatctTCTGCTGACTCAGCAGTTTTtacgctTCTGCTGAC TCAGCAGTTTT
6315	DNA; Synthetic Construct	AAAACTGCTGAGTCAGCAGAtgccgctAAAACTGCTGAGTCAGCAGAtgctttAAAA CTGCTGAGTCAGCAGAtgatctAAAACTGCTGAGTCAGCAGAtacgctAAAACTGCT GAGTCAGCAGA
6316	DNA; Synthetic Construct	GACCACCCATGtgccgctGACCACCCATGtgctttGACCACCCATGtgatctGACCA CCCATGtacgctGACCACCCATGtgccgctGACCACCCATGtgctttGACCACCCAT GtgatctGACCACCCATGtacgctGACCACCCATG
6317	DNA; Synthetic Construct	CATGGGTGGTCtgccgctCATGGGTGGTCtgctttCATGGGTGGTCtgatctCATGG GTGGTCtacgctCATGGGTGGTCtgccgctCATGGGTGGTCtgctttCATGGGTGGT CtgatctCATGGGTGGTCtacgctCATGGGTGGTC
6318	DNA; Synthetic Construct	AGTATCGCTGCAACGAAACTtgccgctAGTATCGCTGCAACGAAACTtgctttAGTA TCGCTGCAACGAAACTtgatctAGTATCGCTGCAACGAAACTtacgctAGTATCGCT GCAACGAAACT
6319	DNA; Synthetic Construct	AGTTTCGTTGCAGCGATACTtgccgctAGTTTCGTTGCAGCGATACTtgctttAGTT TCGTTGCAGCGATACTtgatctAGTTTCGTTGCAGCGATACTtacgctAGTTTCGTT GCAGCGATACT
6320	DNA; Synthetic Construct	AGTATCGCTGCAACGATACTtgccgctAGTATCGCTGCAACGATACTtgctttAGTA TCGCTGCAACGATACTtgatctAGTATCGCTGCAACGATACTtacgctAGTATCGCT GCAACGATACT
6321	DNA; Synthetic Construct	AGTATCGTTGCAGCGATACTtgccgctAGTATCGTTGCAGCGATACTtgctttAGTA TCGTTGCAGCGATACTtgatctAGTATCGTTGCAGCGATACTtacgctAGTATCGTT GCAGCGATACT
6322	DNA; Synthetic Construct	AGTATCGCTGCAATGAAACTtgccgctAGTATCGCTGCAATGAAACTtgctttAGTA TCGCTGCAATGAAACTtgatctAGTATCGCTGCAATGAAACTtacgctAGTATCGCT GCAATGAAACT
6323	DNA; Synthetic Construct	AGTTTCATTGCAGCGATACTtgccgctAGTTTCATTGCAGCGATACTtgctttAGTT TCATTGCAGCGATACTtgatctAGTTTCATTGCAGCGATACTtacgctAGTTTCATT GCAGCGATACT
6324	DNA; Synthetic Construct	AGTATCGCTGCAATGATACTtgccgctAGTATCGCTGCAATGATACTtgctttAGTA TCGCTGCAATGATACTtgatctAGTATCGCTGCAATGATACTtacgctAGTATCGCT GCAATGATACT
6325	DNA; Synthetic Construct	AGTATCATTGCAGCGATACTtgccgctAGTATCATTGCAGCGATACTtgctttAGTA TCATTGCAGCGATACTtgatctAGTATCATTGCAGCGATACTtacgctAGTATCATT GCAGCGATACT

6326	DNA; Synthetic Construct	AGTTTCGCTGCAACGAAACTtgccgctAGTTTCGCTGCAACGAAACTtgctttAGTT TCGCTGCAACGAAACTtgatctAGTTTCGCTGCAACGAAACTtacgctAGTTTCGCT GCAACGAAACT
6327	DNA; Synthetic Construct	AGTTTCGTTGCAGCGAAACTtgccgctAGTTTCGTTGCAGCGAAACTtgctttAGTT TCGTTGCAGCGAAACTtgatctAGTTTCGTTGCAGCGAAACTtacgctAGTTTCGTT GCAGCGAAACT
6328	DNA; Synthetic Construct	AGTTTCGCTGCAACGATACTtgccgctAGTTTCGCTGCAACGATACTtgctttAGTT TCGCTGCAACGATACTtgatctAGTTTCGCTGCAACGATACTtacgctAGTTTCGCT GCAACGATACT
6329	DNA; Synthetic Construct	AGTATCGTTGCAGCGAAACTtgccgctAGTATCGTTGCAGCGAAACTtgctttAGTA TCGTTGCAGCGAAACTtgatctAGTATCGTTGCAGCGAAACTtacgctAGTATCGTT GCAGCGAAACT
6330	DNA; Synthetic Construct	AGTTTCGCTGCAATGAAACTtgccgctAGTTTCGCTGCAATGAAACTtgctttAGTT TCGCTGCAATGAAACTtgatctAGTTTCGCTGCAATGAAACTtacgctAGTTTCGCT GCAATGAAACT
6331	DNA; Synthetic Construct	AGTTTCATTGCAGCGAAACTtgccgctAGTTTCATTGCAGCGAAACTtgctttAGTT TCATTGCAGCGAAACTtgatctAGTTTCATTGCAGCGAAACTtacgctAGTTTCATT GCAGCGAAACT
6332	DNA; Synthetic Construct	AGTTTCGCTGCAATGATACTtgccgctAGTTTCGCTGCAATGATACTtgctttAGTT TCGCTGCAATGATACTtgatctAGTTTCGCTGCAATGATACTtacgctAGTTTCGCT GCAATGATACT
6333	DNA; Synthetic Construct	AGTATCATTGCAGCGAAACTtgccgctAGTATCATTGCAGCGAAACTtgctttAGTA TCATTGCAGCGAAACTtgatctAGTATCATTGCAGCGAAACTtacgctAGTATCATT GCAGCGAAACT
6334	DNA; Synthetic Construct	GGTATCGCTGCAACGAAACTtgccgctGGTATCGCTGCAACGAAACTtgctttGGTA TCGCTGCAACGAAACTtgatctGGTATCGCTGCAACGAAACTtacgctGGTATCGCT GCAACGAAACT
6335	DNA; Synthetic Construct	AGTTTCGTTGCAGCGATACCtgccgctAGTTTCGTTGCAGCGATACCtgctttAGTT TCGTTGCAGCGATACCtgatctAGTTTCGTTGCAGCGATACCtacgctAGTTTCGTT GCAGCGATACC
6336	DNA; Synthetic Construct	GGTATCGCTGCAACGATACTtgccgctGGTATCGCTGCAACGATACTtgctttGGTA TCGCTGCAACGATACTtgatctGGTATCGCTGCAACGATACTtacgctGGTATCGCT GCAACGATACT
6337	DNA; Synthetic Construct	AGTATCGTTGCAGCGATACCtgccgctAGTATCGTTGCAGCGATACCtgctttAGTA TCGTTGCAGCGATACCtgatctAGTATCGTTGCAGCGATACCtacgctAGTATCGTT GCAGCGATACC
6338	DNA; Synthetic Construct	GGTATCGCTGCAATGAAACTtgccgctGGTATCGCTGCAATGAAACTtgctttGGTA TCGCTGCAATGAAACTtgatctGGTATCGCTGCAATGAAACTtacgctGGTATCGCT GCAATGAAACT
6339	DNA; Synthetic Construct	AGTTTCATTGCAGCGATACCtgccgctAGTTTCATTGCAGCGATACCtgctttAGTT TCATTGCAGCGATACCtgatctAGTTTCATTGCAGCGATACCtacgctAGTTTCATT GCAGCGATACC
6340	DNA; Synthetic Construct	GGTATCGCTGCAATGATACTtgccgctGGTATCGCTGCAATGATACTtgctttGGTA TCGCTGCAATGATACTtgatctGGTATCGCTGCAATGATACTtacgctGGTATCGCT GCAATGATACT
6341	DNA; Synthetic Construct	AGTATCATTGCAGCGATACCtgccgctAGTATCATTGCAGCGATACCtgctttAGTA TCATTGCAGCGATACCtgatctAGTATCATTGCAGCGATACCtacgctAGTATCATT GCAGCGATACC
6342	DNA; Synthetic Construct	GGTTTCGCTGCAACGAAACTtgccgctGGTTTCGCTGCAACGAAACTtgctttGGTT TCGCTGCAACGAAACTtgatctGGTTTCGCTGCAACGAAACTtacgctGGTTTCGCT GCAACGAAACT
6343	DNA; Synthetic Construct	AGTTTCGTTGCAGCGAAACCtgccgctAGTTTCGTTGCAGCGAAACCtgctttAGTT TCGTTGCAGCGAAACCtgatctAGTTTCGTTGCAGCGAAACCtacgctAGTTTCGTT GCAGCGAAACC

6344	DNA; Synthetic Construct	GGTTTCGCTGCAACGATACTtgccgctGGTTTCGCTGCAACGATACTtgctttGGTT TCGCTGCAACGATACTtgatctGGTTTCGCTGCAACGATACTtacgctGGTTTCGCT GCAACGATACT
6345	DNA; Synthetic Construct	AGTATCGTTGCAGCGAAACCtgccgctAGTATCGTTGCAGCGAAACCtgctttAGTA TCGTTGCAGCGAAACCtgatctAGTATCGTTGCAGCGAAACCtacgctAGTATCGTT GCAGCGAAACC
6346	DNA; Synthetic Construct	GGTTTCGCTGCAATGAAACTtgccgctGGTTTCGCTGCAATGAAACTtgctttGGTT TCGCTGCAATGAAACTtgatctGGTTTCGCTGCAATGAAACTtacgctGGTTTCGCT GCAATGAAACT
6347	DNA; Synthetic Construct	AGTTTCATTGCAGCGAAACCtgccgctAGTTTCATTGCAGCGAAACCtgctttAGTT TCATTGCAGCGAAACCtgatctAGTTTCATTGCAGCGAAACCtacgctAGTTTCATT GCAGCGAAACC
6348	DNA; Synthetic Construct	GGTTTCGCTGCAATGATACTtgccgctGGTTTCGCTGCAATGATACTtgctttGGTT TCGCTGCAATGATACTtgatctGGTTTCGCTGCAATGATACTtacgctGGTTTCGCT GCAATGATACT
6349	DNA; Synthetic Construct	AGTATCATTGCAGCGAAACCtgccgctAGTATCATTGCAGCGAAACCtgctttAGTA TCATTGCAGCGAAACCtgatctAGTATCATTGCAGCGAAACCtacgctAGTATCATT GCAGCGAAACC
6350	DNA; Synthetic Construct	TGCTGAGTCAGCAGAAtgatctTGCTGAGTCAGCAGAAtacgctTGCTGAGTCAGCA GAAtgccgctTGCTGAGTCAGCAGAAtgctttTGCTGAGTCAGCAGAAtgatctTGC TGAGTCAGCAGAAtacgctTGCTGAGTCAGCAGAA
6351	DNA; Synthetic Construct	TTCTGCTGACTCAGCAtgatctTTCTGCTGACTCAGCAtacgctTTCTGCTGACTCA GCAtgccgctTTCTGCTGACTCAGCAtgctttTTCTGCTGACTCAGCAtgatctTTC TGCTGACTCAGCAtacgctTTCTGCTGACTCAGCA
6352	DNA; Synthetic Construct	TGCTGAGTCAGCAGATtgatctTGCTGAGTCAGCAGATtacgctTGCTGAGTCAGCA GATtgccgctTGCTGAGTCAGCAGATtgctttTGCTGAGTCAGCAGATtgatctTGC TGAGTCAGCAGATtacgctTGCTGAGTCAGCAGAT
6353	DNA; Synthetic Construct	ATCTGCTGACTCAGCAtgatctATCTGCTGACTCAGCAtacgctATCTGCTGACTCA GCAtgccgctATCTGCTGACTCAGCAtgctttATCTGCTGACTCAGCAtgatctATC TGCTGACTCAGCAtacgctATCTGCTGACTCAGCA
6354	DNA; Synthetic Construct	TGCTGAGTCAGCAGTAtgatctTGCTGAGTCAGCAGTAtacgctTGCTGAGTCAGCA GTAtgccgctTGCTGAGTCAGCAGTAtgctttTGCTGAGTCAGCAGTAtgatctTGC TGAGTCAGCAGTAtacgctTGCTGAGTCAGCAGTA
6355	DNA; Synthetic Construct	TACTGCTGACTCAGCAtgatctTACTGCTGACTCAGCAtacgctTACTGCTGACTCA GCAtgccgctTACTGCTGACTCAGCAtgctttTACTGCTGACTCAGCAtgatctTAC TGCTGACTCAGCAtacgctTACTGCTGACTCAGCA
6356	DNA; Synthetic Construct	TGCTGAGTCAGCAGTTtgatctTGCTGAGTCAGCAGTTtacgctTGCTGAGTCAGCA GTTtgccgctTGCTGAGTCAGCAGTTtgctttTGCTGAGTCAGCAGTTtgatctTGC TGAGTCAGCAGTTtacgctTGCTGAGTCAGCAGTT
6357	DNA; Synthetic Construct	AACTGCTGACTCAGCAtgatctAACTGCTGACTCAGCAtacgctAACTGCTGACTCA GCAtgccgctAACTGCTGACTCAGCAtgctttAACTGCTGACTCAGCAtgatctAAC TGCTGACTCAGCAtacgctAACTGCTGACTCAGCA
6358	DNA; Synthetic Construct	TGCTGACTCAGCAGAAtgatctTGCTGACTCAGCAGAAtacgctTGCTGACTCAGCA GAAtgccgctTGCTGACTCAGCAGAAtgctttTGCTGACTCAGCAGAAtgatctTGC TGACTCAGCAGAAtacgctTGCTGACTCAGCAGAA
6359	DNA; Synthetic Construct	TTCTGCTGAGTCAGCAtgatctTTCTGCTGAGTCAGCAtacgctTTCTGCTGAGTCA GCAtgccgctTTCTGCTGAGTCAGCAtgctttTTCTGCTGAGTCAGCAtgatctTTC TGCTGAGTCAGCAtacgctTTCTGCTGAGTCAGCA
6360	DNA; Synthetic Construct	TGCTGACTCAGCAGATtgatctTGCTGACTCAGCAGATtacgctTGCTGACTCAGCA GATtgccgctTGCTGACTCAGCAGATtgctttTGCTGACTCAGCAGATtgatctTGC TGACTCAGCAGATtacgctTGCTGACTCAGCAGAT
6361	DNA; Synthetic Construct	ATCTGCTGAGTCAGCAtgatctATCTGCTGAGTCAGCAtacgctATCTGCTGAGTCA GCAtgccgctATCTGCTGAGTCAGCAtgctttATCTGCTGAGTCAGCAtgatctATC TGCTGAGTCAGCAtacgctATCTGCTGAGTCAGCA

6362	DNA; Synthetic Construct	TGCTGACTCAGCAGTAtgatctTGCTGACTCAGCAGTAtacgctTGCTGACTCAGCA GTAtgccgctTGCTGACTCAGCAGTAtgctttTGCTGACTCAGCAGTAtgatctTGC TGACTCAGCAGTAtacgctTGCTGACTCAGCAGTA
6363	DNA; Synthetic Construct	TACTGCTGAGTCAGCAtgatctTACTGCTGAGTCAGCAtacgctTACTGCTGAGTCA GCAtgccgctTACTGCTGAGTCAGCAtgctttTACTGCTGAGTCAGCAtgatctTAC TGCTGAGTCAGCAtacgctTACTGCTGAGTCAGCA
6364	DNA; Synthetic Construct	TGCTGACTCAGCAGTTtgatctTGCTGACTCAGCAGTTtacgctTGCTGACTCAGCA GTTtgccgctTGCTGACTCAGCAGTTtgctttTGCTGACTCAGCAGTTtgatctTGC TGACTCAGCAGTTtacgctTGCTGACTCAGCAGTT
6365	DNA; Synthetic Construct	AACTGCTGAGTCAGCAtgatctAACTGCTGAGTCAGCAtacgctAACTGCTGAGTCA GCAtgccgctAACTGCTGAGTCAGCAtgctttAACTGCTGAGTCAGCAtgatctAAC TGCTGAGTCAGCAtacgctAACTGCTGAGTCAGCA
6366	DNA; Synthetic Construct	AACAGCTGTCtgccgctAACAGCTGTCtgctttAACAGCTGTCtgatctAACAGCTG TCtacgctAACAGCTGTCtgccgctAACAGCTGTCtgctttAACAGCTGTCtgatct AACAGCTGTCtacgctAACAGCTGTC
6367	DNA; Synthetic Construct	GACAGCTGTTtgccgctGACAGCTGTTtgctttGACAGCTGTTtgatctGACAGCTG TTtacgctGACAGCTGTTtgccgctGACAGCTGTTtgctttGACAGCTGTTtgatct GACAGCTGTTtacgctGACAGCTGTT
6368	DNA; Synthetic Construct	ATGCTGAGTCATtgctttATGCTGAGTCATtgatctATGCTGAGTCATtacgctATG CTGAGTCATtgccgctATGCTGAGTCATtgctttATGCTGAGTCATtgatctATGCT GAGTCATtacgctATGCTGAGTCAT
6369	DNA; Synthetic Construct	ATGACTCAGCATtgctttATGACTCAGCATtgatctATGACTCAGCATtacgctATG ACTCAGCATtgccgctATGACTCAGCATtgctttATGACTCAGCATtgatctATGAC TCAGCATtacgctATGACTCAGCAT
6370	DNA; Synthetic Construct	CTGCTGAGTCATtgctttCTGCTGAGTCATtgatctCTGCTGAGTCATtacgctCTG CTGAGTCATtgccgctCTGCTGAGTCATtgctttCTGCTGAGTCATtgatctCTGCT GAGTCATtacgctCTGCTGAGTCAT
6371	DNA; Synthetic Construct	ATGACTCAGCAGtgctttATGACTCAGCAGtgatctATGACTCAGCAGtacgctATG ACTCAGCAGtgccgctATGACTCAGCAGtgctttATGACTCAGCAGtgatctATGAC TCAGCAGtacgctATGACTCAGCAG
6372	DNA; Synthetic Construct	TTGCTGAGTCATtgctttTTGCTGAGTCATtgatctTTGCTGAGTCATtacgctTTG CTGAGTCATtgccgctTTGCTGAGTCATtgctttTTGCTGAGTCATtgatctTTGCT GAGTCATtacgctTTGCTGAGTCAT
6373	DNA; Synthetic Construct	ATGACTCAGCAAtgctttATGACTCAGCAAtgatctATGACTCAGCAAtacgctATG ACTCAGCAAtgccgctATGACTCAGCAAtgctttATGACTCAGCAAtgatctATGAC TCAGCAAtacgctATGACTCAGCAA
6374	DNA; Synthetic Construct	AGCAGCTGGtacgctAGCAGCTGGtgccgctAGCAGCTGGtgctttAGCAGCTGGtg atctAGCAGCTGGtacgctAGCAGCTGGtgccgctAGCAGCTGGtgctttAGCAGCT GGtgatctAGCAGCTGGtacgctAGCAGCTGG
6375	DNA; Synthetic Construct	CCAGCTGCTtacgctCCAGCTGCTtgccgctCCAGCTGCTtgctttCCAGCTGCTtg atctCCAGCTGCTtacgctCCAGCTGCTtgccgctCCAGCTGCTtgctttCCAGCTG CTtgatctCCAGCTGCTtacgctCCAGCTGCT
6376	DNA; Synthetic Construct	AGCAGCTGCtacgctAGCAGCTGCtgccgctAGCAGCTGCtgctttAGCAGCTGCtg atctAGCAGCTGCtacgctAGCAGCTGCtgccgctAGCAGCTGCtgctttAGCAGCT GCtgatctAGCAGCTGCtacgctAGCAGCTGC
6377	DNA; Synthetic Construct	GCAGCTGCTtacgctGCAGCTGCTtgccgctGCAGCTGCTtgctttGCAGCTGCTtg atctGCAGCTGCTtacgctGCAGCTGCTtgccgctGCAGCTGCTtgctttGCAGCTG CTtgatctGCAGCTGCTtacgctGCAGCTGCT
6378	DNA; Synthetic Construct	TAGGTTTCTGTTATCtgatctTAGGTTTCTGTTATCtacgctTAGGTTTCTGTTATC tgccgctTAGGTTTCTGTTATCtgctttTAGGTTTCTGTTATCtgatctTAGGTTTC TGTTATCtacgctTAGGTTTCTGTTATC
6379	DNA; Synthetic Construct	GATAACAGAAACCTAtgatctGATAACAGAAACCTAtacgctGATAACAGAAACCTA tgccgctGATAACAGAAACCTAtgctttGATAACAGAAACCTAtgatctGATAACAG AAACCTAtacgctGATAACAGAAACCTA

6380	DNA; Synthetic Construct	TAGGTTTCTGTTATTtgatctTAGGTTTCTGTTATTtacgctTAGGTTTCTGTTATT tgccgctTAGGTTTCTGTTATTtgctttTAGGTTTCTGTTATTtgatctTAGGTTTC TGTTATTtacgctTAGGTTTCTGTTATT
6381	DNA; Synthetic Construct	AATAACAGAAACCTAtgatctAATAACAGAAACCTAtacgctAATAACAGAAACCTA tgccgctAATAACAGAAACCTAtgctttAATAACAGAAACCTAtgatctAATAACAG AAACCTAtacgctAATAACAGAAACCTA
6382	DNA; Synthetic Construct	TGGGTTTCTGTTATCtgatctTGGGTTTCTGTTATCtacgctTGGGTTTCTGTTATC tgccgctTGGGTTTCTGTTATCtgctttTGGGTTTCTGTTATCtgatctTGGGTTTC TGTTATCtacgctTGGGTTTCTGTTATC
6383	DNA; Synthetic Construct	GATAACAGAAACCCAtgatctGATAACAGAAACCCAtacgctGATAACAGAAACCCA tgccgctGATAACAGAAACCCAtgctttGATAACAGAAACCCAtgatctGATAACAG AAACCCAtacgctGATAACAGAAACCCA
6384	DNA; Synthetic Construct	TGGGTTTCTGTTATTtgatctTGGGTTTCTGTTATTtacgctTGGGTTTCTGTTATT tgccgctTGGGTTTCTGTTATTtgctttTGGGTTTCTGTTATTtgatctTGGGTTTC TGTTATTtacgctTGGGTTTCTGTTATT
6385	DNA; Synthetic Construct	AATAACAGAAACCCAtgatctAATAACAGAAACCCAtacgctAATAACAGAAACCCA tgccgctAATAACAGAAACCCAtgctttAATAACAGAAACCCAtgatctAATAACAG AAACCCAtacgctAATAACAGAAACCCA
6386	DNA; Synthetic Construct	CCCACCCAACtgccgctCCCACCCAACtgctttCCCACCCAACtgatctCCCACCCA ACtacgctCCCACCCAACtgccgctCCCACCCAACtgctttCCCACCCAACtgatct CCCACCCAACtacgctCCCACCCAAC
6387	DNA; Synthetic Construct	GTTGGGTGGGtgccgctGTTGGGTGGGtgctttGTTGGGTGGGtgatctGTTGGGTG GGtacgctGTTGGGTGGGtgccgctGTTGGGTGGGtgctttGTTGGGTGGGtgatct GTTGGGTGGGtacgctGTTGGGTGGG
6388	DNA; Synthetic Construct	CCCTCCCAACtgccgctCCCTCCCAACtgctttCCCTCCCAACtgatctCCCTCCCA ACtacgctCCCTCCCAACtgccgctCCCTCCCAACtgctttCCCTCCCAACtgatct CCCTCCCAACtacgctCCCTCCCAAC
6389	DNA; Synthetic Construct	GTTGGGAGGGtgccgctGTTGGGAGGGtgctttGTTGGGAGGGtgatctGTTGGGAG GGtacgctGTTGGGAGGGtgccgctGTTGGGAGGGtgctttGTTGGGAGGGtgatct GTTGGGAGGGtacgctGTTGGGAGGG
6390	DNA; Synthetic Construct	ATGACTCAGCACATtgatctATGACTCAGCACATtacgctATGACTCAGCACATtgc cgctATGACTCAGCACATtgctttATGACTCAGCACATtgatctATGACTCAGCACA TtacgctATGACTCAGCACAT
6391	DNA; Synthetic Construct	ATGTGCTGAGTCATtgatctATGTGCTGAGTCATtacgctATGTGCTGAGTCATtgc cgctATGTGCTGAGTCATtgctttATGTGCTGAGTCATtgatctATGTGCTGAGTCA TtacgctATGTGCTGAGTCAT
6392	DNA; Synthetic Construct	ATGACTCAGCACTTtgatctATGACTCAGCACTTtacgctATGACTCAGCACTTtgc cgctATGACTCAGCACTTtgctttATGACTCAGCACTTtgatctATGACTCAGCACT TtacgctATGACTCAGCACTT
6393	DNA; Synthetic Construct	AAGTGCTGAGTCATtgatctAAGTGCTGAGTCATtacgctAAGTGCTGAGTCATtgc cgctAAGTGCTGAGTCATtgctttAAGTGCTGAGTCATtgatctAAGTGCTGAGTCA TtacgctAAGTGCTGAGTCAT
6394	DNA; Synthetic Construct	CCATTTCCCGGAACTCtgatctCCATTTCCCGGAACTCtacgctCCATTTCCCGGAA CTCtgccgctCCATTTCCCGGAACTCtgctttCCATTTCCCGGAACTCtgatctCCA TTTCCCGGAACTCtacgctCCATTTCCCGGAACTC
6395	DNA; Synthetic Construct	GAGTTCCGGGAAATGGtgatctGAGTTCCGGGAAATGGtacgctGAGTTCCGGGAAA TGGtgccgctGAGTTCCGGGAAATGGtgctttGAGTTCCGGGAAATGGtgatctGAG TTCCGGGAAATGGtacgctGAGTTCCGGGAAATGG
6396	DNA; Synthetic Construct	TCATTTCCCGGAACTCtgatctTCATTTCCCGGAACTCtacgctTCATTTCCCGGAA CTCtgccgctTCATTTCCCGGAACTCtgctttTCATTTCCCGGAACTCtgatctTCA TTTCCCGGAACTCtacgctTCATTTCCCGGAACTC
6397	DNA; Synthetic Construct	GAGTTCCGGGAAATGAtgatctGAGTTCCGGGAAATGAtacgctGAGTTCCGGGAAA TGAtgccgctGAGTTCCGGGAAATGAtgctttGAGTTCCGGGAAATGAtgatctGAG TTCCGGGAAATGAtacgctGAGTTCCGGGAAATGA

6398	DNA; Synthetic Construct	TCACCTCCtacgctTCACCTCCtgccgctTCACCTCCtgctttTCACCTCCtgatct TCACCTCCtacgctTCACCTCCtgccgctTCACCTCCtgctttTCACCTCCtgatct TCACCTCCtacgctTCACCTCC
6399	DNA; Synthetic Construct	GGAGGTGAtacgctGGAGGTGAtgccgctGGAGGTGAtgctttGGAGGTGAtgatct GGAGGTGAtacgctGGAGGTGAtgccgctGGAGGTGAtgctttGGAGGTGAtgatct GGAGGTGAtacgctGGAGGTGA
6400	DNA; Synthetic Construct	GATAACAGATGtgccgctGATAACAGATGtgctttGATAACAGATGtgatctGATAA CAGATGtacgctGATAACAGATGtgccgctGATAACAGATGtgctttGATAACAGAT GtgatctGATAACAGATGtacgctGATAACAGATG
6401	DNA; Synthetic Construct	CATCTGTTATCtgccgctCATCTGTTATCtgctttCATCTGTTATCtgatctCATCT GTTATCtacgctCATCTGTTATCtgccgctCATCTGTTATCtgctttCATCTGTTAT CtgatctCATCTGTTATCtacgctCATCTGTTATC
6402	DNA; Synthetic Construct	GATAACAGCTGtgccgctGATAACAGCTGtgctttGATAACAGCTGtgatctGATAA CAGCTGtacgctGATAACAGCTGtgccgctGATAACAGCTGtgctttGATAACAGCT GtgatctGATAACAGCTGtacgctGATAACAGCTG
6403	DNA; Synthetic Construct	CAGCTGTTATCtgccgctCAGCTGTTATCtgctttCAGCTGTTATCtgatctCAGCT GTTATCtacgctCAGCTGTTATCtgccgctCAGCTGTTATCtgctttCAGCTGTTAT CtgatctCAGCTGTTATCtacgctCAGCTGTTATC
6404	DNA; Synthetic Construct	GATAGCAGATGtgccgctGATAGCAGATGtgctttGATAGCAGATGtgatctGATAG CAGATGtacgctGATAGCAGATGtgccgctGATAGCAGATGtgctttGATAGCAGAT GtgatctGATAGCAGATGtacgctGATAGCAGATG
6405	DNA; Synthetic Construct	CATCTGCTATCtgccgctCATCTGCTATCtgctttCATCTGCTATCtgatctCATCT GCTATCtacgctCATCTGCTATCtgccgctCATCTGCTATCtgctttCATCTGCTAT CtgatctCATCTGCTATCtacgctCATCTGCTATC
6406	DNA; Synthetic Construct	GATAGCAGCTGtgccgctGATAGCAGCTGtgctttGATAGCAGCTGtgatctGATAG CAGCTGtacgctGATAGCAGCTGtgccgctGATAGCAGCTGtgctttGATAGCAGCT GtgatctGATAGCAGCTGtacgctGATAGCAGCTG
6407	DNA; Synthetic Construct	CAGCTGCTATCtgccgctCAGCTGCTATCtgctttCAGCTGCTATCtgatctCAGCT GCTATCtacgctCAGCTGCTATCtgccgctCAGCTGCTATCtgctttCAGCTGCTAT CtgatctCAGCTGCTATCtacgctCAGCTGCTATC
6408	DNA; Synthetic Construct	GGTAACAGATGtgccgctGGTAACAGATGtgctttGGTAACAGATGtgatctGGTAA CAGATGtacgctGGTAACAGATGtgccgctGGTAACAGATGtgctttGGTAACAGAT GtgatctGGTAACAGATGtacgctGGTAACAGATG
6409	DNA; Synthetic Construct	CATCTGTTACCtgccgctCATCTGTTACCtgctttCATCTGTTACCtgatctCATCT GTTACCtacgctCATCTGTTACCtgccgctCATCTGTTACCtgctttCATCTGTTAC CtgatctCATCTGTTACCtacgctCATCTGTTACC
6410	DNA; Synthetic Construct	GGTAACAGCTGtgccgctGGTAACAGCTGtgctttGGTAACAGCTGtgatctGGTAA CAGCTGtacgctGGTAACAGCTGtgccgctGGTAACAGCTGtgctttGGTAACAGCT GtgatctGGTAACAGCTGtacgctGGTAACAGCTG
6411	DNA; Synthetic Construct	CAGCTGTTACCtgccgctCAGCTGTTACCtgctttCAGCTGTTACCtgatctCAGCT GTTACCtacgctCAGCTGTTACCtgccgctCAGCTGTTACCtgctttCAGCTGTTAC CtgatctCAGCTGTTACCtacgctCAGCTGTTACC
6412	DNA; Synthetic Construct	GGTAGCAGATGtgccgctGGTAGCAGATGtgctttGGTAGCAGATGtgatctGGTAG CAGATGtacgctGGTAGCAGATGtgccgctGGTAGCAGATGtgctttGGTAGCAGAT GtgatctGGTAGCAGATGtacgctGGTAGCAGATG
6413	DNA; Synthetic Construct	CATCTGCTACCtgccgctCATCTGCTACCtgctttCATCTGCTACCtgatctCATCT GCTACCtacgctCATCTGCTACCtgccgctCATCTGCTACCtgctttCATCTGCTAC CtgatctCATCTGCTACCtacgctCATCTGCTACC
6414	DNA; Synthetic Construct	GGTAGCAGCTGtgccgctGGTAGCAGCTGtgctttGGTAGCAGCTGtgatctGGTAG CAGCTGtacgctGGTAGCAGCTGtgccgctGGTAGCAGCTGtgctttGGTAGCAGCT GtgatctGGTAGCAGCTGtacgctGGTAGCAGCTG
6415	DNA; Synthetic Construct	CAGCTGCTACCtgccgctCAGCTGCTACCtgctttCAGCTGCTACCtgatctCAGCT GCTACCtacgctCAGCTGCTACCtgccgctCAGCTGCTACCtgctttCAGCTGCTAC CtgatctCAGCTGCTACCtacgctCAGCTGCTACC

6416	DNA; Synthetic Construct	ACTTTCGTTTCTtgctttACTTTCGTTTCTtgatctACTTTCGTTTCTtacgctACT TTCGTTTCTtgccgctACTTTCGTTTCTtgctttACTTTCGTTTCTtgatctACTTT CGTTTCTtacgctACTTTCGTTTCT
6417	DNA; Synthetic Construct	AGAAACGAAAGTtgctttAGAAACGAAAGTtgatctAGAAACGAAAGTtacgctAGA AACGAAAGTtgccgctAGAAACGAAAGTtgctttAGAAACGAAAGTtgatctAGAAA CGAAAGTtacgctAGAAACGAAAGT
6418	DNA; Synthetic Construct	CAAACTGTCAAGCGCtgatctCAAACTGTCAAGCGCtacgctCAAACTGTCAAGCGC tgccgctCAAACTGTCAAGCGCtgctttCAAACTGTCAAGCGCtgatctCAAACTGT CAAGCGCtacgctCAAACTGTCAAGCGC
6419	DNA; Synthetic Construct	GCGCTTGACAGTTTGtgatctGCGCTTGACAGTTTGtacgctGCGCTTGACAGTTTG tgccgctGCGCTTGACAGTTTGtgctttGCGCTTGACAGTTTGtgatctGCGCTTGA CAGTTTGtacgctGCGCTTGACAGTTTG
6420	DNA; Synthetic Construct	CAAACTGTCAAGTGCtgatctCAAACTGTCAAGTGCtacgctCAAACTGTCAAGTGC tgccgctCAAACTGTCAAGTGCtgctttCAAACTGTCAAGTGCtgatctCAAACTGT CAAGTGCtacgctCAAACTGTCAAGTGC
6421	DNA; Synthetic Construct	GCACTTGACAGTTTGtgatctGCACTTGACAGTTTGtacgctGCACTTGACAGTTTG tgccgctGCACTTGACAGTTTGtgctttGCACTTGACAGTTTGtgatctGCACTTGA CAGTTTGtacgctGCACTTGACAGTTTG
6422	DNA; Synthetic Construct	CAAACTGTCGAGCGCtgatctCAAACTGTCGAGCGCtacgctCAAACTGTCGAGCGC tgccgctCAAACTGTCGAGCGCtgctttCAAACTGTCGAGCGCtgatctCAAACTGT CGAGCGCtacgctCAAACTGTCGAGCGC
6423	DNA; Synthetic Construct	GCGCTCGACAGTTTGtgatctGCGCTCGACAGTTTGtacgctGCGCTCGACAGTTTG tgccgctGCGCTCGACAGTTTGtgctttGCGCTCGACAGTTTGtgatctGCGCTCGA CAGTTTGtacgctGCGCTCGACAGTTTG
6424	DNA; Synthetic Construct	CAAACTGTCGAGTGCtgatctCAAACTGTCGAGTGCtacgctCAAACTGTCGAGTGC tgccgctCAAACTGTCGAGTGCtgctttCAAACTGTCGAGTGCtgatctCAAACTGT CGAGTGCtacgctCAAACTGTCGAGTGC
6425	DNA; Synthetic Construct	GCACTCGACAGTTTGtgatctGCACTCGACAGTTTGtacgctGCACTCGACAGTTTG tgccgctGCACTCGACAGTTTGtgctttGCACTCGACAGTTTGtgatctGCACTCGA CAGTTTGtacgctGCACTCGACAGTTTG
6426	DNA; Synthetic Construct	TAAACTGTCAAGCGCtgatctTAAACTGTCAAGCGCtacgctTAAACTGTCAAGCGC tgccgctTAAACTGTCAAGCGCtgctttTAAACTGTCAAGCGCtgatctTAAACTGT CAAGCGCtacgctTAAACTGTCAAGCGC
6427	DNA; Synthetic Construct	GCGCTTGACAGTTTAtgatctGCGCTTGACAGTTTAtacgctGCGCTTGACAGTTTA tgccgctGCGCTTGACAGTTTAtgctttGCGCTTGACAGTTTAtgatctGCGCTTGA CAGTTTAtacgctGCGCTTGACAGTTTA
6428	DNA; Synthetic Construct	TAAACTGTCAAGTGCtgatctTAAACTGTCAAGTGCtacgctTAAACTGTCAAGTGC tgccgctTAAACTGTCAAGTGCtgctttTAAACTGTCAAGTGCtgatctTAAACTGT CAAGTGCtacgctTAAACTGTCAAGTGC
6429	DNA; Synthetic Construct	GCACTTGACAGTTTAtgatctGCACTTGACAGTTTAtacgctGCACTTGACAGTTTA tgccgctGCACTTGACAGTTTAtgctttGCACTTGACAGTTTAtgatctGCACTTGA CAGTTTAtacgctGCACTTGACAGTTTA
6430	DNA; Synthetic Construct	TAAACTGTCGAGCGCtgatctTAAACTGTCGAGCGCtacgctTAAACTGTCGAGCGC tgccgctTAAACTGTCGAGCGCtgctttTAAACTGTCGAGCGCtgatctTAAACTGT CGAGCGCtacgctTAAACTGTCGAGCGC
6431	DNA; Synthetic Construct	GCGCTCGACAGTTTAtgatctGCGCTCGACAGTTTAtacgctGCGCTCGACAGTTTA tgccgctGCGCTCGACAGTTTAtgctttGCGCTCGACAGTTTAtgatctGCGCTCGA CAGTTTAtacgctGCGCTCGACAGTTTA
6432	DNA; Synthetic Construct	TAAACTGTCGAGTGCtgatctTAAACTGTCGAGTGCtacgctTAAACTGTCGAGTGC tgccgctTAAACTGTCGAGTGCtgctttTAAACTGTCGAGTGCtgatctTAAACTGT CGAGTGCtacgctTAAACTGTCGAGTGC
6433	DNA; Synthetic Construct	GCACTCGACAGTTTAtgatctGCACTCGACAGTTTAtacgctGCACTCGACAGTTTA tgccgctGCACTCGACAGTTTAtgctttGCACTCGACAGTTTAtgatctGCACTCGA CAGTTTAtacgctGCACTCGACAGTTTA

6434	DNA; Synthetic Construct	GGCCACGCCCACCtgctttGGCCACGCCCACCtgatctGGCCACGCCCACCtacgct GGCCACGCCCACCtgccgctGGCCACGCCCACCtgctttGGCCACGCCCACCtgatc tGGCCACGCCCACCtacgctGGCCACGCCCACC
6435	DNA; Synthetic Construct	GGTGGGCGTGGCCtgctttGGTGGGCGTGGCCtgatctGGTGGGCGTGGCCtacgct GGTGGGCGTGGCCtgccgctGGTGGGCGTGGCCtgctttGGTGGGCGTGGCCtgatc tGGTGGGCGTGGCCtacgctGGTGGGCGTGGCC
6436	DNA; Synthetic Construct	GGCCACGCCCACTtgctttGGCCACGCCCACTtgatctGGCCACGCCCACTtacgct GGCCACGCCCACTtgccgctGGCCACGCCCACTtgctttGGCCACGCCCACTtgatc tGGCCACGCCCACTtacgctGGCCACGCCCACT
6437	DNA; Synthetic Construct	AGTGGGCGTGGCCtgctttAGTGGGCGTGGCCtgatctAGTGGGCGTGGCCtacgct AGTGGGCGTGGCCtgccgctAGTGGGCGTGGCCtgctttAGTGGGCGTGGCCtgatc tAGTGGGCGTGGCCtacgctAGTGGGCGTGGCC
6438	DNA; Synthetic Construct	GGCCACGCCCCCCtgctttGGCCACGCCCCCCtgatctGGCCACGCCCCCCtacgct GGCCACGCCCCCCtgccgctGGCCACGCCCCCCtgctttGGCCACGCCCCCCtgatc tGGCCACGCCCCCCtacgctGGCCACGCCCCCC
6439	DNA; Synthetic Construct	GGGGGGCGTGGCCtgctttGGGGGGCGTGGCCtgatctGGGGGGCGTGGCCtacgct GGGGGGCGTGGCCtgccgctGGGGGGCGTGGCCtgctttGGGGGGCGTGGCCtgatc tGGGGGGCGTGGCCtacgctGGGGGGCGTGGCC
6440	DNA; Synthetic Construct	GGCCACGCCCCCTtgctttGGCCACGCCCCCTtgatctGGCCACGCCCCCTtacgct GGCCACGCCCCCTtgccgctGGCCACGCCCCCTtgctttGGCCACGCCCCCTtgatc tGGCCACGCCCCCTtacgctGGCCACGCCCCCT
6441	DNA; Synthetic Construct	AGGGGGCGTGGCCtgctttAGGGGGCGTGGCCtgatctAGGGGGCGTGGCCtacgct AGGGGGCGTGGCCtgccgctAGGGGGCGTGGCCtgctttAGGGGGCGTGGCCtgatc tAGGGGGCGTGGCCtacgctAGGGGGCGTGGCC
6442	DNA; Synthetic Construct	GGCCCCGCCCACCtgctttGGCCCCGCCCACCtgatctGGCCCCGCCCACCtacgct GGCCCCGCCCACCtgccgctGGCCCCGCCCACCtgctttGGCCCCGCCCACCtgatc tGGCCCCGCCCACCtacgctGGCCCCGCCCACC
6443	DNA; Synthetic Construct	GGTGGGCGGGGCCtgctttGGTGGGCGGGGCCtgatctGGTGGGCGGGGCCtacgct GGTGGGCGGGGCCtgccgctGGTGGGCGGGGCCtgctttGGTGGGCGGGGCCtgatc tGGTGGGCGGGGCCtacgctGGTGGGCGGGGCC
6444	DNA; Synthetic Construct	GGCCCCGCCCACTtgctttGGCCCCGCCCACTtgatctGGCCCCGCCCACTtacgct GGCCCCGCCCACTtgccgctGGCCCCGCCCACTtgctttGGCCCCGCCCACTtgatc tGGCCCCGCCCACTtacgctGGCCCCGCCCACT
6445	DNA; Synthetic Construct	AGTGGGCGGGGCCtgctttAGTGGGCGGGGCCtgatctAGTGGGCGGGGCCtacgct AGTGGGCGGGGCCtgccgctAGTGGGCGGGGCCtgctttAGTGGGCGGGGCCtgatc tAGTGGGCGGGGCCtacgctAGTGGGCGGGGCC
6446	DNA; Synthetic Construct	GGCCCCGCCCCCCtgctttGGCCCCGCCCCCCtgatctGGCCCCGCCCCCCtacgct GGCCCCGCCCCCCtgccgctGGCCCCGCCCCCCtgctttGGCCCCGCCCCCCtgatc tGGCCCCGCCCCCCtacgctGGCCCCGCCCCCC
6447	DNA; Synthetic Construct	GGGGGGCGGGGCCtgctttGGGGGGCGGGGCCtgatctGGGGGGCGGGGCCtacgct GGGGGGCGGGGCCtgccgctGGGGGGCGGGGCCtgctttGGGGGGCGGGGCCtgatc tGGGGGGCGGGGCCtacgctGGGGGGCGGGGCC
6448	DNA; Synthetic Construct	GGCCCCGCCCCCTtgctttGGCCCCGCCCCCTtgatctGGCCCCGCCCCCTtacgct GGCCCCGCCCCCTtgccgctGGCCCCGCCCCCTtgctttGGCCCCGCCCCCTtgatc tGGCCCCGCCCCCTtacgctGGCCCCGCCCCCT
6449	DNA; Synthetic Construct	AGGGGGCGGGGCCtgctttAGGGGGCGGGGCCtgatctAGGGGGCGGGGCCtacgct AGGGGGCGGGGCCtgccgctAGGGGGCGGGGCCtgctttAGGGGGCGGGGCCtgatc tAGGGGGCGGGGCCtacgctAGGGGGCGGGGCC
6450	DNA; Synthetic Construct	AGATAAtgctttAGATAAtgatctAGATAAtacgctAGATAAtgccgctAGATAAtg ctttAGATAAtgatctAGATAAtacgctAGATAAtgccgctAGATAAtgctttAGAT AAtgatctAGATAAtacgctAGATAA
6451	DNA; Synthetic Construct	TTATCTtgctttTTATCTtgatcttTTATCTtacgcttTTATCTtgccgctTTATCTtg ctttTTATCTtgatcttTTATCTtacgcttTTATCTtgccgctTTATCTtgctttTTAT CTtgatcttTTATCTtacgcttTTATCT

6452	DNA; Synthetic Construct	TGATAAtgctttTGATAAtgatctTGATAAtacgctTGATAAtgccgctTGATAAtg ctttTGATAAtgatctTGATAAtacgctTGATAAtgccgctTGATAAtgctttTGAT AAtgatctTGATAAtacgctTGATAA
6453	DNA; Synthetic Construct	TTATCAtgctttTTATCAtgatctTTATCAtacgctTTATCAtgccgctTTATCAtg ctttTTATCAtgatctTTATCAtacgctTTATCAtgccgctTTATCAtgctttTTAT CAtgatctTTATCAtacgctTTATCA
6454	DNA; Synthetic Construct	CAGTCACCCTCAGGtgatctCAGTCACCCTCAGGtacgctCAGTCACCCTCAGGtgc cgctCAGTCACCCTCAGGtgctttCAGTCACCCTCAGGtgatctCAGTCACCCTCAG GtacgctCAGTCACCCTCAGG
6455	DNA; Synthetic Construct	CCTGAGGGTGACTGtgatctCCTGAGGGTGACTGtacgctCCTGAGGGTGACTGtgc cgctCCTGAGGGTGACTGtgctttCCTGAGGGTGACTGtgatctCCTGAGGGTGACT GtacgctCCTGAGGGTGACTG
6456	DNA; Synthetic Construct	CAGTCACCCTCTGGtgatctCAGTCACCCTCTGGtacgctCAGTCACCCTCTGGtgc cgctCAGTCACCCTCTGGtgctttCAGTCACCCTCTGGtgatctCAGTCACCCTCTG GtacgctCAGTCACCCTCTGG
6457	DNA; Synthetic Construct	CCAGAGGGTGACTGtgatctCCAGAGGGTGACTGtacgctCCAGAGGGTGACTGtgc cgctCCAGAGGGTGACTGtgctttCCAGAGGGTGACTGtgatctCCAGAGGGTGACT GtacgctCCAGAGGGTGACTG
6458	DNA; Synthetic Construct	CAGTCACCTTCAGGtgatctCAGTCACCTTCAGGtacgctCAGTCACCTTCAGGtgc cgctCAGTCACCTTCAGGtgctttCAGTCACCTTCAGGtgatctCAGTCACCTTCAG GtacgctCAGTCACCTTCAGG
6459	DNA; Synthetic Construct	CCTGAAGGTGACTGtgatctCCTGAAGGTGACTGtacgctCCTGAAGGTGACTGtgc cgctCCTGAAGGTGACTGtgctttCCTGAAGGTGACTGtgatctCCTGAAGGTGACT GtacgctCCTGAAGGTGACTG
6460	DNA; Synthetic Construct	CAGTCACCTTCTGGtgatctCAGTCACCTTCTGGtacgctCAGTCACCTTCTGGtgc cgctCAGTCACCTTCTGGtgctttCAGTCACCTTCTGGtgatctCAGTCACCTTCTG GtacgctCAGTCACCTTCTGG
6461	DNA; Synthetic Construct	CCAGAAGGTGACTGtgatctCCAGAAGGTGACTGtacgctCCAGAAGGTGACTGtgc cgctCCAGAAGGTGACTGtgctttCCAGAAGGTGACTGtgatctCCAGAAGGTGACT GtacgctCCAGAAGGTGACTG
6462	DNA; Synthetic Construct	ATGACGTCACCAtgctttATGACGTCACCAtgatctATGACGTCACCAtacgctATG ACGTCACCAtgccgctATGACGTCACCAtgctttATGACGTCACCAtgatctATGAC GTCACCAtacgctATGACGTCACCA
6463	DNA; Synthetic Construct	TGGTGACGTCATtgctttTGGTGACGTCATtgatctTGGTGACGTCATtacgctTGG TGACGTCATtgccgctTGGTGACGTCATtgctttTGGTGACGTCATtgatctTGGTG ACGTCATtacgctTGGTGACGTCAT
6464	DNA; Synthetic Construct	ATGACGTCACCCtgctttATGACGTCACCCtgatctATGACGTCACCCtacgctATG ACGTCACCCtgccgctATGACGTCACCCtgctttATGACGTCACCCtgatctATGAC GTCACCCtacgctATGACGTCACCC
6465	DNA; Synthetic Construct	GGGTGACGTCATtgctttGGGTGACGTCATtgatctGGGTGACGTCATtacgctGGG TGACGTCATtgccgctGGGTGACGTCATtgctttGGGTGACGTCATtgatctGGGTG ACGTCATtacgctGGGTGACGTCAT
6466	DNA; Synthetic Construct	ATGACGTCATCAtgctttATGACGTCATCAtgatctATGACGTCATCAtacgctATG ACGTCATCAtgccgctATGACGTCATCAtgctttATGACGTCATCAtgatctATGAC GTCATCAtacgctATGACGTCATCA
6467	DNA; Synthetic Construct	TGATGACGTCATtgctttTGATGACGTCATtgatctTGATGACGTCATtacgctTGA TGACGTCATtgccgctTGATGACGTCATtgctttTGATGACGTCATtgatctTGATG ACGTCATtacgctTGATGACGTCAT
6468	DNA; Synthetic Construct	ATGACGTCATCCtgctttATGACGTCATCCtgatctATGACGTCATCCtacgctATG ACGTCATCCtgccgctATGACGTCATCCtgctttATGACGTCATCCtgatctATGAC GTCATCCtacgctATGACGTCATCC
6469	DNA; Synthetic Construct	GGATGACGTCATtgctttGGATGACGTCATtgatctGGATGACGTCATtacgctGGA TGACGTCATtgccgctGGATGACGTCATtgctttGGATGACGTCATtgatctGGATG ACGTCATtacgctGGATGACGTCAT

6470	DNA; Synthetic Construct	GTGACGTCACCAtgctttGTGACGTCACCAtgatctGTGACGTCACCAtacgctGTG ACGTCACCAtgccgctGTGACGTCACCAtgctttGTGACGTCACCAtgatctGTGAC GTCACCAtacgctGTGACGTCACCA
6471	DNA; Synthetic Construct	TGGTGACGTCACtgctttTGGTGACGTCACtgatcttTGGTGACGTCACtacgcttTGG TGACGTCACtgccgctTGGTGACGTCACtgctttTGGTGACGTCACtgatcttTGGTG ACGTCACtacgctTGGTGACGTCAC
6472	DNA; Synthetic Construct	GTGACGTCACCCtgctttGTGACGTCACCCtgatctGTGACGTCACCCtacgctGTG ACGTCACCCtgccgctGTGACGTCACCCtgctttGTGACGTCACCCtgatctGTGAC GTCACCCtacgctGTGACGTCACCC
6473	DNA; Synthetic Construct	GGGTGACGTCACtgctttGGGTGACGTCACtgatctGGGTGACGTCACtacgctGGG TGACGTCACtgccgctGGGTGACGTCACtgctttGGGTGACGTCACtgatctGGGTG ACGTCACtacgctGGGTGACGTCAC
6474	DNA; Synthetic Construct	GTGACGTCATCAtgctttGTGACGTCATCAtgatctGTGACGTCATCAtacgctGTG ACGTCATCAtgccgctGTGACGTCATCAtgctttGTGACGTCATCAtgatctGTGAC GTCATCAtacgctGTGACGTCATCA
6475	DNA; Synthetic Construct	TGATGACGTCACtgctttTGATGACGTCACtgatcttTGATGACGTCACtacgcttTGA TGACGTCACtgccgctTGATGACGTCACtgctttTGATGACGTCACtgatcttTGATG ACGTCACtacgctTGATGACGTCAC
6476	DNA; Synthetic Construct	GTGACGTCATCCtgctttGTGACGTCATCCtgatctGTGACGTCATCCtacgctGTG ACGTCATCCtgccgctGTGACGTCATCCtgctttGTGACGTCATCCtgatctGTGAC GTCATCCtacgctGTGACGTCATCC
6477	DNA; Synthetic Construct	GGATGACGTCACtgctttGGATGACGTCACtgatctGGATGACGTCACtacgctGGA TGACGTCACtgccgctGGATGACGTCACtgctttGGATGACGTCACtgatctGGATG ACGTCACtacgctGGATGACGTCAC
6478	DNA; Synthetic Construct	ACCAAAGGTCAtgccgctACCAAAGGTCAtgctttACCAAAGGTCAtgatctACCAA AGGTCAtacgctACCAAAGGTCAtgccgctACCAAAGGTCAtgctttACCAAAGGTC AtgatctACCAAAGGTCAtacgctACCAAAGGTCA
6479	DNA; Synthetic Construct	TGACCTTTGGTtgccgctTGACCTTTGGTtgctttTGACCTTTGGTtgatctTGACC TTTGGTtacgcttGACCTTTGGTtgccgctTGACCTTTGGTtgctttTGACCTTTGG TtgatctTGACCTTTGGTtacgcttGACCTTTGGT
6480	DNA; Synthetic Construct	ACCAAGGGTCAtgccgctACCAAGGGTCAtgctttACCAAGGGTCAtgatctACCAA GGGTCAtacgctACCAAGGGTCAtgccgctACCAAGGGTCAtgctttACCAAGGGTC AtgatctACCAAGGGTCAtacgctACCAAGGGTCA
6481	DNA; Synthetic Construct	TGACCCTTGGTtgccgctTGACCCTTGGTtgctttTGACCCTTGGTtgatctTGACC CTTGGTtacgcttGACCCTTGGTtgccgctTGACCCTTGGTtgctttTGACCCTTGG TtgatctTGACCCTTGGTtacgcttGACCCTTGGT
6482	DNA; Synthetic Construct	ACCAGAGGTCAtgccgctACCAGAGGTCAtgctttACCAGAGGTCAtgatctACCAG AGGTCAtacgctACCAGAGGTCAtgccgctACCAGAGGTCAtgctttACCAGAGGTC AtgatctACCAGAGGTCAtacgctACCAGAGGTCA
6483	DNA; Synthetic Construct	TGACCTCTGGTtgccgctTGACCTCTGGTtgctttTGACCTCTGGTtgatctTGACC TCTGGTtacgcttGACCTCTGGTtgccgctTGACCTCTGGTtgctttTGACCTCTGG TtgatctTGACCTCTGGTtacgcttGACCTCTGGT
6484	DNA; Synthetic Construct	ACCAGGGGTCAtgccgctACCAGGGGTCAtgctttACCAGGGGTCAtgatctACCAG GGGTCAtacgctACCAGGGGTCAtgccgctACCAGGGGTCAtgctttACCAGGGGTC AtgatctACCAGGGGTCAtacgctACCAGGGGTCA
6485	DNA; Synthetic Construct	TGACCCCTGGTtgccgctTGACCCCTGGTtgctttTGACCCCTGGTtgatctTGACC CCTGGTtacgcttGACCCCTGGTtgccgctTGACCCCTGGTtgctttTGACCCCTGG TtgatctTGACCCCTGGTtacgcttGACCCCTGGT
6486	DNA; Synthetic Construct	AGCAAAGGTCAtgccgctAGCAAAGGTCAtgctttAGCAAAGGTCAtgatctAGCAA AGGTCAtacgctAGCAAAGGTCAtgccgctAGCAAAGGTCAtgctttAGCAAAGGTC AtgatctAGCAAAGGTCAtacgctAGCAAAGGTCA
6487	DNA; Synthetic Construct	TGACCTTTGCTtgccgctTGACCTTTGCTtgctttTGACCTTTGCTtgatctTGACC TTTGCTtacgcttGACCTTTGCTtgccgctTGACCTTTGCTtgctttTGACCTTTGC TtgatctTGACCTTTGCTtacgcttGACCTTTGCT

6488	DNA; Synthetic Construct	AGCAAGGGTCAtgccgctAGCAAGGGTCAtgctttAGCAAGGGTCAtgatctAGCAA GGGTCAtacgctAGCAAGGGTCAtgccgctAGCAAGGGTCAtgctttAGCAAGGGTC AtgatctAGCAAGGGTCAtacgctAGCAAGGGTCA
6489	DNA; Synthetic Construct	TGACCCTTGCTtgccgcttGACCCTTGCTtgctttTGACCCTTGCTtgatcttGACC CTTGCTtacgcttGACCCTTGCTtgccgcttGACCCTTGCTtgctttTGACCCTTGC TtgatcttGACCCTTGCTtacgcttGACCCTTGCT
6490	DNA; Synthetic Construct	AGCAGAGGTCAtgccgctAGCAGAGGTCAtgctttAGCAGAGGTCAtgatctAGCAG AGGTCAtacgctAGCAGAGGTCAtgccgctAGCAGAGGTCAtgctttAGCAGAGGTC AtgatctAGCAGAGGTCAtacgctAGCAGAGGTCA
6491	DNA; Synthetic Construct	TGACCTCTGCTtgccgcttGACCTCTGCTtgctttTGACCTCTGCTtgatcttGACC TCTGCTtacgcttGACCTCTGCTtgccgcttGACCTCTGCTtgctttTGACCTCTGC TtgatcttGACCTCTGCTtacgcttGACCTCTGCT
6492	DNA; Synthetic Construct	AGCAGGGGTCAtgccgctAGCAGGGGTCAtgctttAGCAGGGGTCAtgatctAGCAG GGGTCAtacgctAGCAGGGGTCAtgccgctAGCAGGGGTCAtgctttAGCAGGGGTC AtgatctAGCAGGGGTCAtacgctAGCAGGGGTCA
6493	DNA; Synthetic Construct	TGACCCCTGCTtgccgcttGACCCCTGCTtgctttTGACCCCTGCTtgatcttGACC CCTGCTtacgcttGACCCCTGCTtgccgcttGACCCCTGCTtgctttTGACCCCTGC TtgatcttGACCCCTGCTtacgcttGACCCCTGCT
6494	DNA; Synthetic Construct	ATCAAAGGTCAtgccgctATCAAAGGTCAtgctttATCAAAGGTCAtgatctATCAA AGGTCAtacgctATCAAAGGTCAtgccgctATCAAAGGTCAtgctttATCAAAGGTC AtgatctATCAAAGGTCAtacgctATCAAAGGTCA
6495	DNA; Synthetic Construct	TGACCTTTGATtgccgcttGACCTTTGATtgctttTGACCTTTGATtgatcttGACC TTTGATtacgcttGACCTTTGATtgccgcttGACCTTTGATtgctttTGACCTTTGA TtgatcttGACCTTTGATtacgcttGACCTTTGAT
6496	DNA; Synthetic Construct	ATCAAGGGTCAtgccgctATCAAGGGTCAtgctttATCAAGGGTCAtgatctATCAA GGGTCAtacgctATCAAGGGTCAtgccgctATCAAGGGTCAtgctttATCAAGGGTC AtgatctATCAAGGGTCAtacgctATCAAGGGTCA
6497	DNA; Synthetic Construct	TGACCCTTGATtgccgcttGACCCTTGATtgctttTGACCCTTGATtgatcttGACC CTTGATtacgcttGACCCTTGATtgccgcttGACCCTTGATtgctttTGACCCTTGA TtgatcttGACCCTTGATtacgcttGACCCTTGAT
6498	DNA; Synthetic Construct	ATCAGAGGTCAtgccgctATCAGAGGTCAtgctttATCAGAGGTCAtgatctATCAG AGGTCAtacgctATCAGAGGTCAtgccgctATCAGAGGTCAtgctttATCAGAGGTC AtgatctATCAGAGGTCAtacgctATCAGAGGTCA
6499	DNA; Synthetic Construct	TGACCTCTGATtgccgcttGACCTCTGATtgctttTGACCTCTGATtgatcttGACC TCTGATtacgcttGACCTCTGATtgccgcttGACCTCTGATtgctttTGACCTCTGA TtgatcttGACCTCTGATtacgcttGACCTCTGAT
6500	DNA; Synthetic Construct	ATCAGGGGTCAtgccgctATCAGGGGTCAtgctttATCAGGGGTCAtgatctATCAG GGGTCAtacgctATCAGGGGTCAtgccgctATCAGGGGTCAtgctttATCAGGGGTC AtgatctATCAGGGGTCAtacgctATCAGGGGTCA
6501	DNA; Synthetic Construct	TGACCCCTGATtgccgcttGACCCCTGATtgctttTGACCCCTGATtgatcttGACC CCTGATtacgcttGACCCCTGATtgccgcttGACCCCTGATtgctttTGACCCCTGA TtgatcttGACCCCTGATtacgcttGACCCCTGAT
6502	DNA; Synthetic Construct	GCCAAAGGTCAtgccgctGCCAAAGGTCAtgctttGCCAAAGGTCAtgatctGCCAA AGGTCAtacgctGCCAAAGGTCAtgccgctGCCAAAGGTCAtgctttGCCAAAGGTC AtgatctGCCAAAGGTCAtacgctGCCAAAGGTCA
6503	DNA; Synthetic Construct	TGACCTTTGGCtgccgcttGACCTTTGGCtgctttTGACCTTTGGCtgatcttGACC TTTGGCtacgcttGACCTTTGGCtgccgcttGACCTTTGGCtgctttTGACCTTTGG CtgatcttGACCTTTGGCtacgcttGACCTTTGGC
6504	DNA; Synthetic Construct	GCCAAGGGTCAtgccgctGCCAAGGGTCAtgctttGCCAAGGGTCAtgatctGCCAA GGGTCAtacgctGCCAAGGGTCAtgccgctGCCAAGGGTCAtgctttGCCAAGGGTC AtgatctGCCAAGGGTCAtacgctGCCAAGGGTCA
6505	DNA; Synthetic Construct	TGACCCTTGGCtgccgcttGACCCTTGGCtgctttTGACCCTTGGCtgatcttGACC CTTGGCtacgcttGACCCTTGGCtgccgcttGACCCTTGGCtgctttTGACCCTTGG CtgatcttGACCCTTGGCtacgcttGACCCTTGGC

6506	DNA; Synthetic Construct	GCCAGAGGTCAtgccgctGCCAGAGGTCAtgctttGCCAGAGGTCAtgatctGCCAG AGGTCAtacgctGCCAGAGGTCAtgccgctGCCAGAGGTCAtgctttGCCAGAGGTC AtgatctGCCAGAGGTCAtacgctGCCAGAGGTCA
6507	DNA; Synthetic Construct	TGACCTCTGGCtgccgcttGACCTCTGGCtgctttTGACCTCTGGCtgatcttGACC TCTGGCtacgcttGACCTCTGGCtgccgcttGACCTCTGGCtgctttTGACCTCTGG CtgatctTGACCTCTGGCtacgcttGACCTCTGGC
6508	DNA; Synthetic Construct	GCCAGGGGTCAtgccgctGCCAGGGGTCAtgctttGCCAGGGGTCAtgatctGCCAG GGGTCAtacgctGCCAGGGGTCAtgccgctGCCAGGGGTCAtgctttGCCAGGGGTC AtgatctGCCAGGGGTCAtacgctGCCAGGGGTCA
6509	DNA; Synthetic Construct	TGACCCCTGGCtgccgcttGACCCCTGGCtgctttTGACCCCTGGCtgatcttGACC CCTGGCtacgcttGACCCCTGGCtgccgcttGACCCCTGGCtgctttTGACCCCTGG CtgatctTGACCCCTGGCtacgcttGACCCCTGGC
6510	DNA; Synthetic Construct	GGCAAAGGTCAtgccgctGGCAAAGGTCAtgctttGGCAAAGGTCAtgatctGGCAA AGGTCAtacgctGGCAAAGGTCAtgccgctGGCAAAGGTCAtgctttGGCAAAGGTC AtgatctGGCAAAGGTCAtacgctGGCAAAGGTCA
6511	DNA; Synthetic Construct	TGACCTTTGCCtgccgcttGACCTTTGCCtgctttTGACCTTTGCCtgatcttGACC TTTGCCtacgcttGACCTTTGCCtgccgcttGACCTTTGCCtgctttTGACCTTTGC CtgatctTGACCTTTGCCtacgcttGACCTTTGCC
6512	DNA; Synthetic Construct	GGCAAGGGTCAtgccgctGGCAAGGGTCAtgctttGGCAAGGGTCAtgatctGGCAA GGGTCAtacgctGGCAAGGGTCAtgccgctGGCAAGGGTCAtgctttGGCAAGGGTC AtgatctGGCAAGGGTCAtacgctGGCAAGGGTCA
6513	DNA; Synthetic Construct	TGACCCTTGCCtgccgcttGACCCTTGCCtgctttTGACCCTTGCCtgatcttGACC CTTGCCtacgcttGACCCTTGCCtgccgcttGACCCTTGCCtgctttTGACCCTTGC CtgatctTGACCCTTGCCtacgcttGACCCTTGCC
6514	DNA; Synthetic Construct	GGCAGAGGTCAtgccgctGGCAGAGGTCAtgctttGGCAGAGGTCAtgatctGGCAG AGGTCAtacgctGGCAGAGGTCAtgccgctGGCAGAGGTCAtgctttGGCAGAGGTC AtgatctGGCAGAGGTCAtacgctGGCAGAGGTCA
6515	DNA; Synthetic Construct	TGACCTCTGCCtgccgcttGACCTCTGCCtgctttTGACCTCTGCCtgatcttGACC TCTGCCtacgcttGACCTCTGCCtgccgcttGACCTCTGCCtgctttTGACCTCTGC CtgatctTGACCTCTGCCtacgcttGACCTCTGCC
6516	DNA; Synthetic Construct	GGCAGGGGTCAtgccgctGGCAGGGGTCAtgctttGGCAGGGGTCAtgatctGGCAG GGGTCAtacgctGGCAGGGGTCAtgccgctGGCAGGGGTCAtgctttGGCAGGGGTC AtgatctGGCAGGGGTCAtacgctGGCAGGGGTCA
6517	DNA; Synthetic Construct	TGACCCCTGCCtgccgcttGACCCCTGCCtgctttTGACCCCTGCCtgatcttGACC CCTGCCtacgcttGACCCCTGCCtgccgcttGACCCCTGCCtgctttTGACCCCTGC CtgatctTGACCCCTGCCtacgcttGACCCCTGCC
6518	DNA; Synthetic Construct	GTCAAAGGTCAtgccgctGTCAAAGGTCAtgctttGTCAAAGGTCAtgatctGTCAA AGGTCAtacgctGTCAAAGGTCAtgccgctGTCAAAGGTCAtgctttGTCAAAGGTC AtgatctGTCAAAGGTCAtacgctGTCAAAGGTCA
6519	DNA; Synthetic Construct	TGACCTTTGACtgccgcttGACCTTTGACtgctttTGACCTTTGACtgatcttGACC TTTGACtacgcttGACCTTTGACtgccgcttGACCTTTGACtgctttTGACCTTTGA CtgatctTGACCTTTGACtacgcttGACCTTTGAC
6520	DNA; Synthetic Construct	GTCAAGGGTCAtgccgctGTCAAGGGTCAtgctttGTCAAGGGTCAtgatctGTCAA GGGTCAtacgctGTCAAGGGTCAtgccgctGTCAAGGGTCAtgctttGTCAAGGGTC AtgatctGTCAAGGGTCAtacgctGTCAAGGGTCA
6521	DNA; Synthetic Construct	TGACCCTTGACtgccgcttGACCCTTGACtgctttTGACCCTTGACtgatcttGACC CTTGACtacgcttGACCCTTGACtgccgcttGACCCTTGACtgctttTGACCCTTGA CtgatctTGACCCTTGACtacgcttGACCCTTGAC
6522	DNA; Synthetic Construct	GTCAGAGGTCAtgccgctGTCAGAGGTCAtgctttGTCAGAGGTCAtgatctGTCAG AGGTCAtacgctGTCAGAGGTCAtgccgctGTCAGAGGTCAtgctttGTCAGAGGTC AtgatctGTCAGAGGTCAtacgctGTCAGAGGTCA
6523	DNA; Synthetic Construct	TGACCTCTGACtgccgcttGACCTCTGACtgctttTGACCTCTGACtgatcttGACC TCTGACtacgcttGACCTCTGACtgccgcttGACCTCTGACtgctttTGACCTCTGA CtgatctTGACCTCTGACtacgcttGACCTCTGAC

6524	DNA; Synthetic Construct	GTCAGGGGTCAtgccgctGTCAGGGGTCAtgctttGTCAGGGGTCAtgatctGTCAG GGGTCAtacgctGTCAGGGGTCAtgccgctGTCAGGGGTCAtgctttGTCAGGGGTC AtgatctGTCAGGGGTCAtacgctGTCAGGGGTCA
6525	DNA; Synthetic Construct	TGACCCCTGACtgccgcttTGACCCCTGACtgctttTGACCCCTGACtgatcttTGACC CCTGACtacgcttTGACCCCTGACtgccgctTGACCCCTGACtgctttTGACCCCTGA CtgatctTGACCCCTGACtacgcttTGACCCCTGAC
6526	DNA; Synthetic Construct	GTAAACAGtacgctGTAAACAGtgccgctGTAAACAGtgctttGTAAACAGtgatct GTAAACAGtacgctGTAAACAGtgccgctGTAAACAGtgctttGTAAACAGtgatct GTAAACAGtacgctGTAAACAG
6527	DNA; Synthetic Construct	CTGTTTACtacgctCTGTTTACtgccgctCTGTTTACtgctttCTGTTTACtgatct CTGTTTACtacgctCTGTTTACtgccgctCTGTTTACtgctttCTGTTTACtgatct CTGTTTACtacgctCTGTTTAC
6528	DNA; Synthetic Construct	CGTTTACCGGAAATGAtgatctCGTTTACCGGAAATGAtacgctCGTTTACCGGAAA TGAtgccgctCGTTTACCGGAAATGAtgctttCGTTTACCGGAAATGAtgatctCGT TTACCGGAAATGAtacgctCGTTTACCGGAAATGA
6529	DNA; Synthetic Construct	TCATTTCCGGTAAACGtgatctTCATTTCCGGTAAACGtacgctTCATTTCCGGTAA ACGtgccgctTCATTTCCGGTAAACGtgctttTCATTTCCGGTAAACGtgatctTCA TTTCCGGTAAACGtacgctTCATTTCCGGTAAACG
6530	DNA; Synthetic Construct	CGTTTACCGGAAATCAtgatctCGTTTACCGGAAATCAtacgctCGTTTACCGGAAA TCAtgccgctCGTTTACCGGAAATCAtgctttCGTTTACCGGAAATCAtgatctCGT TTACCGGAAATCAtacgctCGTTTACCGGAAATCA
6531	DNA; Synthetic Construct	TGATTTCCGGTAAACGtgatctTGATTTCCGGTAAACGtacgctTGATTTCCGGTAA ACGtgccgctTGATTTCCGGTAAACGtgctttTGATTTCCGGTAAACGtgatctTGA TTTCCGGTAAACGtacgctTGATTTCCGGTAAACG
6532	DNA; Synthetic Construct	CGTTTACCGGAAGTGAtgatctCGTTTACCGGAAGTGAtacgctCGTTTACCGGAAG TGAtgccgctCGTTTACCGGAAGTGAtgctttCGTTTACCGGAAGTGAtgatctCGT TTACCGGAAGTGAtacgctCGTTTACCGGAAGTGA
6533	DNA; Synthetic Construct	TCACTTCCGGTAAACGtgatctTCACTTCCGGTAAACGtacgctTCACTTCCGGTAA ACGtgccgctTCACTTCCGGTAAACGtgctttTCACTTCCGGTAAACGtgatctTCA CTTCCGGTAAACGtacgctTCACTTCCGGTAAACG
6534	DNA; Synthetic Construct	CGTTTACCGGAAGTCAtgatctCGTTTACCGGAAGTCAtacgctCGTTTACCGGAAG TCAtgccgctCGTTTACCGGAAGTCAtgctttCGTTTACCGGAAGTCAtgatctCGT TTACCGGAAGTCAtacgctCGTTTACCGGAAGTCA
6535	DNA; Synthetic Construct	TGACTTCCGGTAAACGtgatctTGACTTCCGGTAAACGtacgctTGACTTCCGGTAA ACGtgccgctTGACTTCCGGTAAACGtgctttTGACTTCCGGTAAACGtgatctTGA CTTCCGGTAAACGtacgctTGACTTCCGGTAAACG
6536	DNA; Synthetic Construct	CGTTTACTGGAAATGAtgatctCGTTTACTGGAAATGAtacgctCGTTTACTGGAAA TGAtgccgctCGTTTACTGGAAATGAtgctttCGTTTACTGGAAATGAtgatctCGT TTACTGGAAATGAtacgctCGTTTACTGGAAATGA
6537	DNA; Synthetic Construct	TCATTTCCAGTAAACGtgatctTCATTTCCAGTAAACGtacgctTCATTTCCAGTAA ACGtgccgctTCATTTCCAGTAAACGtgctttTCATTTCCAGTAAACGtgatctTCA TTTCCAGTAAACGtacgctTCATTTCCAGTAAACG
6538	DNA; Synthetic Construct	CGTTTACTGGAAATCAtgatctCGTTTACTGGAAATCAtacgctCGTTTACTGGAAA TCAtgccgctCGTTTACTGGAAATCAtgctttCGTTTACTGGAAATCAtgatctCGT TTACTGGAAATCAtacgctCGTTTACTGGAAATCA
6539	DNA; Synthetic Construct	TGATTTCCAGTAAACGtgatctTGATTTCCAGTAAACGtacgctTGATTTCCAGTAA ACGtgccgctTGATTTCCAGTAAACGtgctttTGATTTCCAGTAAACGtgatctTGA TTTCCAGTAAACGtacgctTGATTTCCAGTAAACG
6540	DNA; Synthetic Construct	CGTTTACTGGAAGTGAtgatctCGTTTACTGGAAGTGAtacgctCGTTTACTGGAAG TGAtgccgctCGTTTACTGGAAGTGAtgctttCGTTTACTGGAAGTGAtgatctCGT TTACTGGAAGTGAtacgctCGTTTACTGGAAGTGA
6541	DNA; Synthetic Construct	TCACTTCCAGTAAACGtgatctTCACTTCCAGTAAACGtacgctTCACTTCCAGTAA ACGtgccgctTCACTTCCAGTAAACGtgctttTCACTTCCAGTAAACGtgatctTCA CTTCCAGTAAACGtacgctTCACTTCCAGTAAACG

6542	DNA; Synthetic Construct	CGTTTACTGGAAGTCAtgatctCGTTTACTGGAAGTCAtacgctCGTTTACTGGAAG TCAtgccgctCGTTTACTGGAAGTCAtgctttCGTTTACTGGAAGTCAtgatctCGT TTACTGGAAGTCAtacgctCGTTTACTGGAAGTCA
6543	DNA; Synthetic Construct	TGACTTCCAGTAAACGtgatctTGACTTCCAGTAAACGtacgctTGACTTCCAGTAA ACGtgccgctTGACTTCCAGTAAACGtgctttTGACTTCCAGTAAACGtgatctTGA CTTCCAGTAAACGtacgctTGACTTCCAGTAAACG
6544	DNA; Synthetic Construct	CGTTTCCCGGAAATGAtgatctCGTTTCCCGGAAATGAtacgctCGTTTCCCGGAAA TGAtgccgctCGTTTCCCGGAAATGAtgctttCGTTTCCCGGAAATGAtgatctCGT TTCCCGGAAATGAtacgctCGTTTCCCGGAAATGA
6545	DNA; Synthetic Construct	TCATTTCCGGGAAACGtgatctTCATTTCCGGGAAACGtacgctTCATTTCCGGGAA ACGtgccgctTCATTTCCGGGAAACGtgctttTCATTTCCGGGAAACGtgatctTCA TTTCCGGGAAACGtacgctTCATTTCCGGGAAACG
6546	DNA; Synthetic Construct	CGTTTCCCGGAAATCAtgatctCGTTTCCCGGAAATCAtacgctCGTTTCCCGGAAA TCAtgccgctCGTTTCCCGGAAATCAtgctttCGTTTCCCGGAAATCAtgatctCGT TTCCCGGAAATCAtacgctCGTTTCCCGGAAATCA
6547	DNA; Synthetic Construct	TGATTTCCGGGAAACGtgatctTGATTTCCGGGAAACGtacgctTGATTTCCGGGAA ACGtgccgctTGATTTCCGGGAAACGtgctttTGATTTCCGGGAAACGtgatctTGA TTTCCGGGAAACGtacgctTGATTTCCGGGAAACG
6548	DNA; Synthetic Construct	CGTTTCCCGGAAGTGAtgatctCGTTTCCCGGAAGTGAtacgctCGTTTCCCGGAAG TGAtgccgctCGTTTCCCGGAAGTGAtgctttCGTTTCCCGGAAGTGAtgatctCGT TTCCCGGAAGTGAtacgctCGTTTCCCGGAAGTGA
6549	DNA; Synthetic Construct	TCACTTCCGGGAAACGtgatctTCACTTCCGGGAAACGtacgctTCACTTCCGGGAA ACGtgccgctTCACTTCCGGGAAACGtgctttTCACTTCCGGGAAACGtgatctTCA CTTCCGGGAAACGtacgctTCACTTCCGGGAAACG
6550	DNA; Synthetic Construct	CGTTTCCCGGAAGTCAtgatctCGTTTCCCGGAAGTCAtacgctCGTTTCCCGGAAG TCAtgccgctCGTTTCCCGGAAGTCAtgctttCGTTTCCCGGAAGTCAtgatctCGT TTCCCGGAAGTCAtacgctCGTTTCCCGGAAGTCA
6551	DNA; Synthetic Construct	TGACTTCCGGGAAACGtgatctTGACTTCCGGGAAACGtacgctTGACTTCCGGGAA ACGtgccgctTGACTTCCGGGAAACGtgctttTGACTTCCGGGAAACGtgatctTGA CTTCCGGGAAACGtacgctTGACTTCCGGGAAACG
6552	DNA; Synthetic Construct	CGTTTCCTGGAAATGAtgatctCGTTTCCTGGAAATGAtacgctCGTTTCCTGGAAA TGAtgccgctCGTTTCCTGGAAATGAtgctttCGTTTCCTGGAAATGAtgatctCGT TTCCTGGAAATGAtacgctCGTTTCCTGGAAATGA
6553	DNA; Synthetic Construct	TCATTTCCAGGAAACGtgatctTCATTTCCAGGAAACGtacgctTCATTTCCAGGAA ACGtgccgctTCATTTCCAGGAAACGtgctttTCATTTCCAGGAAACGtgatctTCA TTTCCAGGAAACGtacgctTCATTTCCAGGAAACG
6554	DNA; Synthetic Construct	CGTTTCCTGGAAATCAtgatctCGTTTCCTGGAAATCAtacgctCGTTTCCTGGAAA TCAtgccgctCGTTTCCTGGAAATCAtgctttCGTTTCCTGGAAATCAtgatctCGT TTCCTGGAAATCAtacgctCGTTTCCTGGAAATCA
6555	DNA; Synthetic Construct	TGATTTCCAGGAAACGtgatctTGATTTCCAGGAAACGtacgctTGATTTCCAGGAA ACGtgccgctTGATTTCCAGGAAACGtgctttTGATTTCCAGGAAACGtgatctTGA TTTCCAGGAAACGtacgctTGATTTCCAGGAAACG
6556	DNA; Synthetic Construct	CGTTTCCTGGAAGTGAtgatctCGTTTCCTGGAAGTGAtacgctCGTTTCCTGGAAG TGAtgccgctCGTTTCCTGGAAGTGAtgctttCGTTTCCTGGAAGTGAtgatctCGT TTCCTGGAAGTGAtacgctCGTTTCCTGGAAGTGA
6557	DNA; Synthetic Construct	TCACTTCCAGGAAACGtgatctTCACTTCCAGGAAACGtacgctTCACTTCCAGGAA ACGtgccgctTCACTTCCAGGAAACGtgctttTCACTTCCAGGAAACGtgatctTCA CTTCCAGGAAACGtacgctTCACTTCCAGGAAACG
6558	DNA; Synthetic Construct	CGTTTCCTGGAAGTCAtgatctCGTTTCCTGGAAGTCAtacgctCGTTTCCTGGAAG TCAtgccgctCGTTTCCTGGAAGTCAtgctttCGTTTCCTGGAAGTCAtgatctCGT TTCCTGGAAGTCAtacgctCGTTTCCTGGAAGTCA
6559	DNA; Synthetic Construct	TGACTTCCAGGAAACGtgatctTGACTTCCAGGAAACGtacgctTGACTTCCAGGAA ACGtgccgctTGACTTCCAGGAAACGtgctttTGACTTCCAGGAAACGtgatctTGA CTTCCAGGAAACGtacgctTGACTTCCAGGAAACG

6560	DNA; Synthetic Construct	GGTCATTtgatctGGTCATTtacgctGGTCATTtgccgctGGTCATTtgctttGGTC ATTtgatctGGTCATTtacgctGGTCATTtgccgctGGTCATTtgctttGGTCATTt gatctGGTCATTtacgctGGTCATT
6561	DNA; Synthetic Construct	AATGACCtgatctAATGACCtacgctAATGACCtgccgctAATGACCtgctttAATG ACCtgatctAATGACCtacgctAATGACCtgccgctAATGACCtgctttAATGACCt gatctAATGACCtacgctAATGACC
6562	DNA; Synthetic Construct	CCCCGCCCtacgctCCCCGCCCtgccgctCCCCGCCCtgctttCCCCGCCCtgatct CCCCGCCCtacgctCCCCGCCCtgccgctCCCCGCCCtgctttCCCCGCCCtgatct CCCCGCCCtacgctCCCCGCCC
6563	DNA; Synthetic Construct	GGGCGGGGtacgctGGGCGGGGtgccgctGGGCGGGGtgctttGGGCGGGGtgatct GGGCGGGGtacgctGGGCGGGGtgccgctGGGCGGGGtgctttGGGCGGGGtgatct GGGCGGGGtacgctGGGCGGGG
6564	DNA; Synthetic Construct	CCCCTCCCtacgctCCCCTCCCtgccgctCCCCTCCCtgctttCCCCTCCCtgatct CCCCTCCCtacgctCCCCTCCCtgccgctCCCCTCCCtgctttCCCCTCCCtgatct CCCCTCCCtacgctCCCCTCCC
6565	DNA; Synthetic Construct	GGGAGGGGtacgctGGGAGGGGtgccgctGGGAGGGGtgctttGGGAGGGGtgatct GGGAGGGGtacgctGGGAGGGGtgccgctGGGAGGGGtgctttGGGAGGGGtgatct GGGAGGGGtacgctGGGAGGGG
6566	DNA; Synthetic Construct	GCATGTTTACATtgctttGCATGTTTACATtgatctGCATGTTTACATtacgctGCA TGTTTACATtgccgctGCATGTTTACATtgctttGCATGTTTACATtgatctGCATG TTTACATtacgctGCATGTTTACAT
6567	DNA; Synthetic Construct	ATGTAAACATGCtgctttATGTAAACATGCtgatctATGTAAACATGCtacgctATG TAAACATGCtgccgctATGTAAACATGCtgctttATGTAAACATGCtgatctATGTA AACATGCtacgctATGTAAACATGC
6568	DNA; Synthetic Construct	GCCTGTTTACATtgctttGCCTGTTTACATtgatctGCCTGTTTACATtacgctGCC TGTTTACATtgccgctGCCTGTTTACATtgctttGCCTGTTTACATtgatctGCCTG TTTACATtacgctGCCTGTTTACAT
6569	DNA; Synthetic Construct	ATGTAAACAGGCtgctttATGTAAACAGGCtgatctATGTAAACAGGCtacgctATG TAAACAGGCtgccgctATGTAAACAGGCtgctttATGTAAACAGGCtgatctATGTA AACAGGCtacgctATGTAAACAGGC
6570	DNA; Synthetic Construct	GCTTGTTTACATtgctttGCTTGTTTACATtgatctGCTTGTTTACATtacgctGCT TGTTTACATtgccgctGCTTGTTTACATtgctttGCTTGTTTACATtgatctGCTTG TTTACATtacgctGCTTGTTTACAT
6571	DNA; Synthetic Construct	ATGTAAACAAGCtgctttATGTAAACAAGCtgatctATGTAAACAAGCtacgctATG TAAACAAGCtgccgctATGTAAACAAGCtgctttATGTAAACAAGCtgatctATGTA AACAAGCtacgctATGTAAACAAGC
6572	DNA; Synthetic Construct	CCATGTTTACATtgctttCCATGTTTACATtgatctCCATGTTTACATtacgctCCA TGTTTACATtgccgctCCATGTTTACATtgctttCCATGTTTACATtgatctCCATG TTTACATtacgctCCATGTTTACAT
6573	DNA; Synthetic Construct	ATGTAAACATGGtgctttATGTAAACATGGtgatctATGTAAACATGGtacgctATG TAAACATGGtgccgctATGTAAACATGGtgctttATGTAAACATGGtgatctATGTA AACATGGtacgctATGTAAACATGG
6574	DNA; Synthetic Construct	CCCTGTTTACATtgctttCCCTGTTTACATtgatctCCCTGTTTACATtacgctCCC TGTTTACATtgccgctCCCTGTTTACATtgctttCCCTGTTTACATtgatctCCCTG TTTACATtacgctCCCTGTTTACAT
6575	DNA; Synthetic Construct	ATGTAAACAGGGtgctttATGTAAACAGGGtgatctATGTAAACAGGGtacgctATG TAAACAGGGtgccgctATGTAAACAGGGtgctttATGTAAACAGGGtgatctATGTA AACAGGGtacgctATGTAAACAGGG
6576	DNA; Synthetic Construct	CCTTGTTTACATtgctttCCTTGTTTACATtgatctCCTTGTTTACATtacgctCCT TGTTTACATtgccgctCCTTGTTTACATtgctttCCTTGTTTACATtgatctCCTTG TTTACATtacgctCCTTGTTTACAT
6577	DNA; Synthetic Construct	ATGTAAACAAGGtgctttATGTAAACAAGGtgatctATGTAAACAAGGtacgctATG TAAACAAGGtgccgctATGTAAACAAGGtgctttATGTAAACAAGGtgatctATGTA AACAAGGtacgctATGTAAACAAGG

6578	DNA; Synthetic Construct	ACCGTTAtgatctACCGTTAtacgctACCGTTAtgccgctACCGTTAtgctttACCG TTAtgatctACCGTTAtacgctACCGTTAtgccgctACCGTTAtgctttACCGTTAt gatctACCGTTAtacgctACCGTTA
6579	DNA; Synthetic Construct	TAACGGTtgatctTAACGGTtacgctTAACGGTtgccgctTAACGGTtgctttTAAC GGTtgatctTAACGGTtacgctTAACGGTtgccgctTAACGGTtgctttTAACGGTt gatctTAACGGTtacgctTAACGGT
6580	DNA; Synthetic Construct	TCCGTTAtgatctTCCGTTAtacgctTCCGTTAtgccgctTCCGTTAtgctttTCCG TTAtgatctTCCGTTAtacgctTCCGTTAtgccgctTCCGTTAtgctttTCCGTTAt gatctTCCGTTAtacgctTCCGTTA
6581	DNA; Synthetic Construct	TAACGGAtgatctTAACGGAtacgctTAACGGAtgccgctTAACGGAtgctttTAAC GGAtgatctTAACGGAtacgctTAACGGAtgccgctTAACGGAtgctttTAACGGAt gatctTAACGGAtacgctTAACGGA
6582	DNA; Synthetic Construct	TAGGGCAAAGGTCAtgatctTAGGGCAAAGGTCAtacgctTAGGGCAAAGGTCAtgc cgctTAGGGCAAAGGTCAtgctttTAGGGCAAAGGTCAtgatctTAGGGCAAAGGTC AtacgctTAGGGCAAAGGTCA
6583	DNA; Synthetic Construct	TGACCTTTGCCCTAtgatctTGACCTTTGCCCTAtacgctTGACCTTTGCCCTAtgc cgctTGACCTTTGCCCTAtgctttTGACCTTTGCCCTAtgatctTGACCTTTGCCCT AtacgctTGACCTTTGCCCTA
6584	DNA; Synthetic Construct	AACAGCTGAtacgctAACAGCTGAtgccgctAACAGCTGAtgctttAACAGCTGAtg atctAACAGCTGAtacgctAACAGCTGAtgccgctAACAGCTGAtgctttAACAGCT GAtgatctAACAGCTGAtacgctAACAGCTGA
6585	DNA; Synthetic Construct	TCAGCTGTTtacgctTCAGCTGTTtgccgctTCAGCTGTTtgctttTCAGCTGTTtg atcttCAGCTGTTtacgctTCAGCTGTTtgccgctTCAGCTGTTtgctttTCAGCTG TTtgatcttCAGCTGTTtacgctTCAGCTGTT
6586	DNA; Synthetic Construct	AACAGCTGGtacgctAACAGCTGGtgccgctAACAGCTGGtgctttAACAGCTGGtg atctAACAGCTGGtacgctAACAGCTGGtgccgctAACAGCTGGtgctttAACAGCT GGtgatctAACAGCTGGtacgctAACAGCTGG
6587	DNA; Synthetic Construct	CCAGCTGTTtacgctCCAGCTGTTtgccgctCCAGCTGTTtgctttCCAGCTGTTtg atctCCAGCTGTTtacgctCCAGCTGTTtgccgctCCAGCTGTTtgctttCCAGCTG TTtgatctCCAGCTGTTtacgctCCAGCTGTT
6588	DNA; Synthetic Construct	AACAGCTGTtacgctAACAGCTGTtgccgctAACAGCTGTtgctttAACAGCTGTtg atctAACAGCTGTtacgctAACAGCTGTtgccgctAACAGCTGTtgctttAACAGCT GTtgatctAACAGCTGTtacgctAACAGCTGT
6589	DNA; Synthetic Construct	ACAGCTGTTtacgctACAGCTGTTtgccgctACAGCTGTTtgctttACAGCTGTTtg atctACAGCTGTTtacgctACAGCTGTTtgccgctACAGCTGTTtgctttACAGCTG TTtgatctACAGCTGTTtacgctACAGCTGTT
6590	DNA; Synthetic Construct	ACCAGCTGAtacgctACCAGCTGAtgccgctACCAGCTGAtgctttACCAGCTGAtg atctACCAGCTGAtacgctACCAGCTGAtgccgctACCAGCTGAtgctttACCAGCT GAtgatctACCAGCTGAtacgctACCAGCTGA
6591	DNA; Synthetic Construct	TCAGCTGGTtacgctTCAGCTGGTtgccgctTCAGCTGGTtgctttTCAGCTGGTtg atcttCAGCTGGTtacgctTCAGCTGGTtgccgctTCAGCTGGTtgctttTCAGCTG GTtgatctTCAGCTGGTtacgctTCAGCTGGT
6592	DNA; Synthetic Construct	ACCAGCTGGtacgctACCAGCTGGtgccgctACCAGCTGGtgctttACCAGCTGGtg atctACCAGCTGGtacgctACCAGCTGGtgccgctACCAGCTGGtgctttACCAGCT GGtgatctACCAGCTGGtacgctACCAGCTGG
6593	DNA; Synthetic Construct	CCAGCTGGTtacgctCCAGCTGGTtgccgctCCAGCTGGTtgctttCCAGCTGGTtg atctCCAGCTGGTtacgctCCAGCTGGTtgccgctCCAGCTGGTtgctttCCAGCTG GTtgatctCCAGCTGGTtacgctCCAGCTGGT
6594	DNA; Synthetic Construct	ACCAGCTGTtacgctACCAGCTGTtgccgctACCAGCTGTtgctttACCAGCTGTtg atctACCAGCTGTtacgctACCAGCTGTtgccgctACCAGCTGTtgctttACCAGCT GTtgatctACCAGCTGTtacgctACCAGCTGT
6595	DNA; Synthetic Construct	ACAGCTGGTtacgctACAGCTGGTtgccgctACAGCTGGTtgctttACAGCTGGTtg atctACAGCTGGTtacgctACAGCTGGTtgccgctACAGCTGGTtgctttACAGCTG GTtgatctACAGCTGGTtacgctACAGCTGGT

6596	DNA; Synthetic Construct	ATCAGCTGAtacgctATCAGCTGAtgccgctATCAGCTGAtgctttATCAGCTGAtg atctATCAGCTGAtacgctATCAGCTGAtgccgctATCAGCTGAtgctttATCAGCT GAtgatctATCAGCTGAtacgctATCAGCTGA
6597	DNA; Synthetic Construct	TCAGCTGATtacgctTCAGCTGATtgccgctTCAGCTGATtgctttTCAGCTGATtg atcttCAGCTGATtacgctTCAGCTGATtgccgctTCAGCTGATtgctttTCAGCTG ATtgatctTCAGCTGATtacgctTCAGCTGAT
6598	DNA; Synthetic Construct	ATCAGCTGGtacgctATCAGCTGGtgccgctATCAGCTGGtgctttATCAGCTGGtg atctATCAGCTGGtacgctATCAGCTGGtgccgctATCAGCTGGtgctttATCAGCT GGtgatctATCAGCTGGtacgctATCAGCTGG
6599	DNA; Synthetic Construct	CCAGCTGATtacgctCCAGCTGATtgccgctCCAGCTGATtgctttCCAGCTGATtg atctCCAGCTGATtacgctCCAGCTGATtgccgctCCAGCTGATtgctttCCAGCTG ATtgatctCCAGCTGATtacgctCCAGCTGAT
6600	DNA; Synthetic Construct	ATCAGCTGTtacgctATCAGCTGTtgccgctATCAGCTGTtgctttATCAGCTGTtg atctATCAGCTGTtacgctATCAGCTGTtgccgctATCAGCTGTtgctttATCAGCT GTtgatctATCAGCTGTtacgctATCAGCTGT
6601	DNA; Synthetic Construct	ACAGCTGATtacgctACAGCTGATtgccgctACAGCTGATtgctttACAGCTGATtg atctACAGCTGATtacgctACAGCTGATtgccgctACAGCTGATtgctttACAGCTG ATtgatctACAGCTGATtacgctACAGCTGAT
6602	DNA; Synthetic Construct	ACTCGTATTCGTGTTACTTCtgccgctACTCGTATTCGTGTTACTTCtgctttACTC GTATTCGTGTTACTTCtgatctACTCGTATTCGTGTTACTTCtacgctACTCGTATT CGTGTTACTTC
6603	DNA; Synthetic Construct	GAAGTAACACGAATACGAGTtgccgctGAAGTAACACGAATACGAGTtgctttGAAG TAACACGAATACGAGTtgatctGAAGTAACACGAATACGAGTtacgctGAAGTAACA CGAATACGAGT
6604	DNA; Synthetic Construct	ACTCTTATTCGTGTTACTTCtgccgctACTCTTATTCGTGTTACTTCtgctttACTC TTATTCGTGTTACTTCtgatctACTCTTATTCGTGTTACTTCtacgctACTCTTATT CGTGTTACTTC
6605	DNA; Synthetic Construct	GAAGTAACACGAATAAGAGTtgccgctGAAGTAACACGAATAAGAGTtgctttGAAG TAACACGAATAAGAGTtgatctGAAGTAACACGAATAAGAGTtacgctGAAGTAACA CGAATAAGAGT
6606	DNA; Synthetic Construct	ACTTGTATTCGTGTTACTTCtgccgctACTTGTATTCGTGTTACTTCtgctttACTT GTATTCGTGTTACTTCtgatctACTTGTATTCGTGTTACTTCtacgctACTTGTATT CGTGTTACTTC
6607	DNA; Synthetic Construct	GAAGTAACACGAATACAAGTtgccgctGAAGTAACACGAATACAAGTtgctttGAAG TAACACGAATACAAGTtgatctGAAGTAACACGAATACAAGTtacgctGAAGTAACA CGAATACAAGT
6608	DNA; Synthetic Construct	ACTTTTATTCGTGTTACTTCtgccgctACTTTTATTCGTGTTACTTCtgctttACTT TTATTCGTGTTACTTCtgatctACTTTTATTCGTGTTACTTCtacgctACTTTTATT CGTGTTACTTC
6609	DNA; Synthetic Construct	GAAGTAACACGAATAAAAGTtgccgctGAAGTAACACGAATAAAAGTtgctttGAAG TAACACGAATAAAAGTtgatctGAAGTAACACGAATAAAAGTtacgctGAAGTAACA CGAATAAAAGT
6610	DNA; Synthetic Construct	CAGATAAGGtacgctCAGATAAGGtgccgctCAGATAAGGtgctttCAGATAAGGtg atctCAGATAAGGtacgctCAGATAAGGtgccgctCAGATAAGGtgctttCAGATAA GGtgatctCAGATAAGGtacgctCAGATAAGG
6611	DNA; Synthetic Construct	CCTTATCTGtacgctCCTTATCTGtgccgctCCTTATCTGtgctttCCTTATCTGtg atctCCTTATCTGtacgctCCTTATCTGtgccgctCCTTATCTGtgctttCCTTATC TGtgatctCCTTATCTGtacgctCCTTATCTG
6612	DNA; Synthetic Construct	GGGGGGAGCGTCCCCCtgatctGGGGGGAGCGTCCCCCtacgctGGGGGGAGCGTCC CCCtgccgctGGGGGGAGCGTCCCCCtgctttGGGGGGAGCGTCCCCCtgatctGGG GGGAGCGTCCCCCtacgctGGGGGGAGCGTCCCCC
6613	DNA; Synthetic Construct	GGGGGACGCTCCCCCCtgatctGGGGGACGCTCCCCCCtacgctGGGGGACGCTCCC CCCtgccgctGGGGGACGCTCCCCCCtgctttGGGGGACGCTCCCCCCtgatctGGG GGACGCTCCCCCCtacgctGGGGGACGCTCCCCCC

6614	DNA; Synthetic Construct	GGGGGGGGCGTCCCCCtgatctGGGGGGGGCGTCCCCCtacgctGGGGGGGGCGTCC CCCtgccgctGGGGGGGGCGTCCCCCtgctttGGGGGGGGCGTCCCCCtgatctGGG GGGGGCGTCCCCCtacgctGGGGGGGGCGTCCCCC
6615	DNA; Synthetic Construct	GGGGGACGCCCCCCCCtgatctGGGGGACGCCCCCCCCtacgctGGGGGACGCCCCC CCCtgccgctGGGGGACGCCCCCCCCtgctttGGGGGACGCCCCCCCCtgatctGGG GGACGCCCCCCCCtacgctGGGGGACGCCCCCCCC
6616	DNA; Synthetic Construct	GGTGGGAGCGTCCCCCtgatctGGTGGGAGCGTCCCCCtacgctGGTGGGAGCGTCC CCCtgccgctGGTGGGAGCGTCCCCCtgctttGGTGGGAGCGTCCCCCtgatctGGT GGGAGCGTCCCCCtacgctGGTGGGAGCGTCCCCC
6617	DNA; Synthetic Construct	GGGGGACGCTCCCACCtgatctGGGGGACGCTCCCACCtacgctGGGGGACGCTCCC ACCtgccgctGGGGGACGCTCCCACCtgctttGGGGGACGCTCCCACCtgatctGGG GGACGCTCCCACCtacgctGGGGGACGCTCCCACC
6618	DNA; Synthetic Construct	GGTGGGGGCGTCCCCCtgatctGGTGGGGGCGTCCCCCtacgctGGTGGGGGCGTCC CCCtgccgctGGTGGGGGCGTCCCCCtgctttGGTGGGGGCGTCCCCCtgatctGGT GGGGGCGTCCCCCtacgctGGTGGGGGCGTCCCCC
6619	DNA; Synthetic Construct	GGGGGACGCCCCCACCtgatctGGGGGACGCCCCCACCtacgctGGGGGACGCCCCC ACCtgccgctGGGGGACGCCCCCACCtgctttGGGGGACGCCCCCACCtgatctGGG GGACGCCCCCACCtacgctGGGGGACGCCCCCACC
6620	DNA; Synthetic Construct	TGCCAGCCtacgctTGCCAGCCtgccgctTGCCAGCCtgctttTGCCAGCCtgatct TGCCAGCCtacgctTGCCAGCCtgccgctTGCCAGCCtgctttTGCCAGCCtgatct TGCCAGCCtacgctTGCCAGCC
6621	DNA; Synthetic Construct	GGCTGGCAtacgctGGCTGGCAtgccgctGGCTGGCAtgctttGGCTGGCAtgatct GGCTGGCAtacgctGGCTGGCAtgccgctGGCTGGCAtgctttGGCTGGCAtgatct GGCTGGCAtacgctGGCTGGCA
6622	DNA; Synthetic Construct	TGCCAGCGtacgctTGCCAGCGtgccgctTGCCAGCGtgctttTGCCAGCGtgatct TGCCAGCGtacgctTGCCAGCGtgccgctTGCCAGCGtgctttTGCCAGCGtgatct TGCCAGCGtacgctTGCCAGCG
6623	DNA; Synthetic Construct	CGCTGGCAtacgctCGCTGGCAtgccgctCGCTGGCAtgctttCGCTGGCAtgatct CGCTGGCAtacgctCGCTGGCAtgccgctCGCTGGCAtgctttCGCTGGCAtgatct CGCTGGCAtacgctCGCTGGCA
6624	DNA; Synthetic Construct	TGCCAGCTtacgctTGCCAGCTtgccgctTGCCAGCTtgctttTGCCAGCTtgatct TGCCAGCTtacgctTGCCAGCTtgccgctTGCCAGCTtgctttTGCCAGCTtgatct TGCCAGCTtacgctTGCCAGCT
6625	DNA; Synthetic Construct	AGCTGGCAtacgctAGCTGGCAtgccgctAGCTGGCAtgctttAGCTGGCAtgatct AGCTGGCAtacgctAGCTGGCAtgccgctAGCTGGCAtgctttAGCTGGCAtgatct AGCTGGCAtacgctAGCTGGCA
6626	DNA; Synthetic Construct	TGTCCGTCTGTCCtgctttGTCCGTCTGTCCtgatctTGTCCGTCTGTCCtacgct TGTCCGTCTGTCCtgccgctTGTCCGTCTGTCCtgctttGTCCGTCTGTCCtgatc tTGTCCGTCTGTCCtacgctTGTCCGTCTGTCC
6627	DNA; Synthetic Construct	GGACAGACGGACAtgctttGGACAGACGGACAtgatctGGACAGACGGACAtacgct GGACAGACGGACAtgccgctGGACAGACGGACAtgctttGGACAGACGGACAtgatc tGGACAGACGGACAtacgctGGACAGACGGACA
6628	DNA; Synthetic Construct	TGTCTGTCTGTCCtgctttGTCTGTCTGTCCtgatctTGTCTGTCTGTCCtacgct TGTCTGTCTGTCCtgccgctTGTCTGTCTGTCCtgctttGTCTGTCTGTCCtgatc tTGTCTGTCTGTCCtacgctTGTCTGTCTGTCC
6629	DNA; Synthetic Construct	GGACAGACAGACAtgctttGGACAGACAGACAtgatctGGACAGACAGACAtacgct GGACAGACAGACAtgccgctGGACAGACAGACAtgctttGGACAGACAGACAtgatc tGGACAGACAGACAtacgctGGACAGACAGACA
6630	DNA; Synthetic Construct	GGCAATCACTCGCCtgatctGGCAATCACTCGCCtacgctGGCAATCACTCGCCtgc cgctGGCAATCACTCGCCtgctttGGCAATCACTCGCCtgatctGGCAATCACTCGC CtacgctGGCAATCACTCGCC
6631	DNA; Synthetic Construct	GGCGAGTGATTGCCtgatctGGCGAGTGATTGCCtacgctGGCGAGTGATTGCCtgc cgctGGCGAGTGATTGCCtgctttGGCGAGTGATTGCCtgatctGGCGAGTGATTGC CtacgctGGCGAGTGATTGCC

6632	DNA; Synthetic Construct	GGCAATCACTTGCCtgatctGGCAATCACTTGCCtacgctGGCAATCACTTGCCtgc cgctGGCAATCACTTGCCtgctttGGCAATCACTTGCCtgatctGGCAATCACTTGC CtacgctGGCAATCACTTGCC
6633	DNA; Synthetic Construct	GGCAAGTGATTGCCtgatctGGCAAGTGATTGCCtacgctGGCAAGTGATTGCCtgc cgctGGCAAGTGATTGCCtgctttGGCAAGTGATTGCCtgatctGGCAAGTGATTGC CtacgctGGCAAGTGATTGCC
6634	DNA; Synthetic Construct	GGCAGTCACTCGCCtgatctGGCAGTCACTCGCCtacgctGGCAGTCACTCGCCtgc cgctGGCAGTCACTCGCCtgctttGGCAGTCACTCGCCtgatctGGCAGTCACTCGC CtacgctGGCAGTCACTCGCC
6635	DNA; Synthetic Construct	GGCGAGTGACTGCCtgatctGGCGAGTGACTGCCtacgctGGCGAGTGACTGCCtgc cgctGGCGAGTGACTGCCtgctttGGCGAGTGACTGCCtgatctGGCGAGTGACTGC CtacgctGGCGAGTGACTGCC
6636	DNA; Synthetic Construct	GGCAGTCACTTGCCtgatctGGCAGTCACTTGCCtacgctGGCAGTCACTTGCCtgc cgctGGCAGTCACTTGCCtgctttGGCAGTCACTTGCCtgatctGGCAGTCACTTGC CtacgctGGCAGTCACTTGCC
6637	DNA; Synthetic Construct	GGCAAGTGACTGCCtgatctGGCAAGTGACTGCCtacgctGGCAAGTGACTGCCtgc cgctGGCAAGTGACTGCCtgctttGGCAAGTGACTGCCtgatctGGCAAGTGACTGC CtacgctGGCAAGTGACTGCC
6638	DNA; Synthetic Construct	GGCGATCACTCGCCtgatctGGCGATCACTCGCCtacgctGGCGATCACTCGCCtgc cgctGGCGATCACTCGCCtgctttGGCGATCACTCGCCtgatctGGCGATCACTCGC CtacgctGGCGATCACTCGCC
6639	DNA; Synthetic Construct	GGCGAGTGATCGCCtgatctGGCGAGTGATCGCCtacgctGGCGAGTGATCGCCtgc cgctGGCGAGTGATCGCCtgctttGGCGAGTGATCGCCtgatctGGCGAGTGATCGC CtacgctGGCGAGTGATCGCC
6640	DNA; Synthetic Construct	GGCGATCACTTGCCtgatctGGCGATCACTTGCCtacgctGGCGATCACTTGCCtgc cgctGGCGATCACTTGCCtgctttGGCGATCACTTGCCtgatctGGCGATCACTTGC CtacgctGGCGATCACTTGCC
6641	DNA; Synthetic Construct	GGCAAGTGATCGCCtgatctGGCAAGTGATCGCCtacgctGGCAAGTGATCGCCtgc cgctGGCAAGTGATCGCCtgctttGGCAAGTGATCGCCtgatctGGCAAGTGATCGC CtacgctGGCAAGTGATCGCC
6642	DNA; Synthetic Construct	GGCGGTCACTCGCCtgatctGGCGGTCACTCGCCtacgctGGCGGTCACTCGCCtgc cgctGGCGGTCACTCGCCtgctttGGCGGTCACTCGCCtgatctGGCGGTCACTCGC CtacgctGGCGGTCACTCGCC
6643	DNA; Synthetic Construct	GGCGAGTGACCGCCtgatctGGCGAGTGACCGCCtacgctGGCGAGTGACCGCCtgc cgctGGCGAGTGACCGCCtgctttGGCGAGTGACCGCCtgatctGGCGAGTGACCGC CtacgctGGCGAGTGACCGCC
6644	DNA; Synthetic Construct	GGCGGTCACTTGCCtgatctGGCGGTCACTTGCCtacgctGGCGGTCACTTGCCtgc cgctGGCGGTCACTTGCCtgctttGGCGGTCACTTGCCtgatctGGCGGTCACTTGC CtacgctGGCGGTCACTTGCC
6645	DNA; Synthetic Construct	GGCAAGTGACCGCCtgatctGGCAAGTGACCGCCtacgctGGCAAGTGACCGCCtgc cgctGGCAAGTGACCGCCtgctttGGCAAGTGACCGCCtgatctGGCAAGTGACCGC CtacgctGGCAAGTGACCGCC
6646	DNA; Synthetic Construct	GTCAGCAtgatctGTCAGCAtacgctGTCAGCAtgccgctGTCAGCAtgctttGTCA GCAtgatctGTCAGCAtacgctGTCAGCAtgccgctGTCAGCAtgctttGTCAGCAt gatctGTCAGCAtacgctGTCAGCA
6647	DNA; Synthetic Construct	TGCTGACtgatctTGCTGACtacgctTGCTGACtgccgctTGCTGACtgctttTGCT GACtgatctTGCTGACtacgctTGCTGACtgccgctTGCTGACtgctttTGCTGACt gatctTGCTGACtacgctTGCTGAC
6648	DNA; Synthetic Construct	AGCAGCTGCTGCtgctttAGCAGCTGCTGCtgatctAGCAGCTGCTGCtacgctAGC AGCTGCTGCtgccgctAGCAGCTGCTGCtgctttAGCAGCTGCTGCtgatctAGCAG CTGCTGCtacgctAGCAGCTGCTGC
6649	DNA; Synthetic Construct	GCAGCAGCTGCTtgctttGCAGCAGCTGCTtgatctGCAGCAGCTGCTtacgctGCA GCAGCTGCTtgccgctGCAGCAGCTGCTtgctttGCAGCAGCTGCTtgatctGCAGC AGCTGCTtacgctGCAGCAGCTGCT

6650	DNA; Synthetic Construct	CGGTTTCAAAtgccgctCGGTTTCAAAtgctttCGGTTTCAAAtgatctCGGTTTCA AAtacgctCGGTTTCAAAtgccgctCGGTTTCAAAtgctttCGGTTTCAAAtgatct CGGTTTCAAAtacgctCGGTTTCAAA
6651	DNA; Synthetic Construct	TTTGAAACCGtgccgctTTTGAAACCGtgctttTTTGAAACCGtgatctTTTGAAAC CGtacgctTTTGAAACCGtgccgctTTTGAAACCGtgctttTTTGAAACCGtgatct TTTGAAACCGtacgctTTTGAAACCG
6652	DNA; Synthetic Construct	ATGACGTCATCCtgctttATGACGTCATCCtgatctATGACGTCATCCtacgctATG ACGTCATCCtgccgctATGACGTCATCCtgctttATGACGTCATCCtgatctATGAC GTCATCCtacgctATGACGTCATCC
6653	DNA; Synthetic Construct	GGATGACGTCATtgctttGGATGACGTCATtgatctGGATGACGTCATtacgctGGA TGACGTCATtgccgctGGATGACGTCATtgctttGGATGACGTCATtgatctGGATG ACGTCATtacgctGGATGACGTCAT
6654	DNA; Synthetic Construct	AGATAAGtgatctAGATAAGtacgctAGATAAGtgccgctAGATAAGtgctttAGAT AAGtgatctAGATAAGtacgctAGATAAGtgccgctAGATAAGtgctttAGATAAGt gatctAGATAAGtacgctAGATAAG
6655	DNA; Synthetic Construct	CTTATCTtgatctCTTATCTtacgctCTTATCTtgccgctCTTATCTtgctttCTTA TCTtgatctCTTATCTtacgctCTTATCTtgccgctCTTATCTtgctttCTTATCTt gatctCTTATCTtacgctCTTATCT
6656	DNA; Synthetic Construct	TGATAAGtgatctTGATAAGtacgctTGATAAGtgccgctTGATAAGtgctttTGAT AAGtgatctTGATAAGtacgctTGATAAGtgccgctTGATAAGtgctttTGATAAGt gatctTGATAAGtacgctTGATAAG
6657	DNA; Synthetic Construct	CTTATCAtgatctCTTATCAtacgctCTTATCAtgccgctCTTATCAtgctttCTTA TCAtgatctCTTATCAtacgctCTTATCAtgccgctCTTATCAtgctttCTTATCAt gatctCTTATCAtacgctCTTATCA
6658	DNA; Synthetic Construct	TTCCAGAGAAtgccgctTTCCAGAGAAtgctttTTCCAGAGAAtgatctTTCCAGAG AAtacgctTTCCAGAGAAtgccgctTTCCAGAGAAtgctttTTCCAGAGAAtgatct TTCCAGAGAAtacgctTTCCAGAGAA
6659	DNA; Synthetic Construct	TTCTCTGGAAtgccgctTTCTCTGGAAtgctttTTCTCTGGAAtgatctTTCTCTGG AAtacgctTTCTCTGGAAtgccgctTTCTCTGGAAtgctttTTCTCTGGAAtgatct TTCTCTGGAAtacgctTTCTCTGGAA
6660	DNA; Synthetic Construct	TTCCACAGAAtgccgctTTCCACAGAAtgctttTTCCACAGAAtgatctTTCCACAG AAtacgctTTCCACAGAAtgccgctTTCCACAGAAtgctttTTCCACAGAAtgatct TTCCACAGAAtacgctTTCCACAGAA
6661	DNA; Synthetic Construct	TTCTGTGGAAtgccgctTTCTGTGGAAtgctttTTCTGTGGAAtgatctTTCTGTGG AAtacgctTTCTGTGGAAtgccgctTTCTGTGGAAtgctttTTCTGTGGAAtgatct TTCTGTGGAAtacgctTTCTGTGGAA
6662	DNA; Synthetic Construct	TTCCTGAGAAtgccgctTTCCTGAGAAtgctttTTCCTGAGAAtgatctTTCCTGAG AAtacgctTTCCTGAGAAtgccgctTTCCTGAGAAtgctttTTCCTGAGAAtgatct TTCCTGAGAAtacgctTTCCTGAGAA
6663	DNA; Synthetic Construct	TTCTCAGGAAtgccgctTTCTCAGGAAtgctttTTCTCAGGAAtgatctTTCTCAGG AAtacgctTTCTCAGGAAtgccgctTTCTCAGGAAtgctttTTCTCAGGAAtgatct TTCTCAGGAAtacgctTTCTCAGGAA
6664	DNA; Synthetic Construct	TTCCTCAGAAtgccgctTTCCTCAGAAtgctttTTCCTCAGAAtgatctTTCCTCAG AAtacgctTTCCTCAGAAtgccgctTTCCTCAGAAtgctttTTCCTCAGAAtgatct TTCCTCAGAAtacgctTTCCTCAGAA
6665	DNA; Synthetic Construct	TTCTGAGGAAtgccgctTTCTGAGGAAtgctttTTCTGAGGAAtgatctTTCTGAGG AAtacgctTTCTGAGGAAtgccgctTTCTGAGGAAtgctttTTCTGAGGAAtgatct TTCTGAGGAAtacgctTTCTGAGGAA
6666	DNA; Synthetic Construct	ACCGGAAGTtacgctACCGGAAGTtgccgctACCGGAAGTtgctttACCGGAAGTtg atctACCGGAAGTtacgctACCGGAAGTtgccgctACCGGAAGTtgctttACCGGAA GTtgatctACCGGAAGTtacgctACCGGAAGT
6667	DNA; Synthetic Construct	ACTTCCGGTtacgctACTTCCGGTtgccgctACTTCCGGTtgctttACTTCCGGTtg atctACTTCCGGTtacgctACTTCCGGTtgccgctACTTCCGGTtgctttACTTCCG GTtgatctACTTCCGGTtacgctACTTCCGGT

6668	DNA; Synthetic Construct	TAATTGGCATTTAATTGtacgctTAATTGGCATTTAATTGtgccgctTAATTGGCAT TTAATTGtgctttTAATTGGCATTTAATTGtgatctTAATTGGCATTTAATTGtacg ctTAATTGGCATTTAATTG
6669	DNA; Synthetic Construct	CAATTAAATGCCAATTAtacgctCAATTAAATGCCAATTAtgccgctCAATTAAATG CCAATTAtgctttCAATTAAATGCCAATTAtgatctCAATTAAATGCCAATTAtacg ctCAATTAAATGCCAATTA
6670	DNA; Synthetic Construct	TAATTGCCATTTAATTGtacgctTAATTGCCATTTAATTGtgccgctTAATTGCCAT TTAATTGtgctttTAATTGCCATTTAATTGtgatctTAATTGCCATTTAATTGtacg ctTAATTGCCATTTAATTG
6671	DNA; Synthetic Construct	CAATTAAATGGCAATTAtacgctCAATTAAATGGCAATTAtgccgctCAATTAAATG GCAATTAtgctttCAATTAAATGGCAATTAtgatctCAATTAAATGGCAATTAtacg ctCAATTAAATGGCAATTA
6672	DNA; Synthetic Construct	TGACAAAAACCAGACtgatctTGACAAAAACCAGACtacgctTGACAAAAACCAGAC tgccgctTGACAAAAACCAGACtgctttTGACAAAAACCAGACtgatctTGACAAAA ACCAGACtacgctTGACAAAAACCAGAC
6673	DNA; Synthetic Construct	GTCTGGTTTTTGTCAtgatctGTCTGGTTTTTGTCAtacgctGTCTGGTTTTTGTCA tgccgctGTCTGGTTTTTGTCAtgctttGTCTGGTTTTTGTCAtgatctGTCTGGTT TTTGTCAtacgctGTCTGGTTTTTGTCA
6674	DNA; Synthetic Construct	TGACAAAAACCAGGCtgatctTGACAAAAACCAGGCtacgctTGACAAAAACCAGGC tgccgctTGACAAAAACCAGGCtgctttTGACAAAAACCAGGCtgatctTGACAAAA ACCAGGCtacgctTGACAAAAACCAGGC
6675	DNA; Synthetic Construct	GCCTGGTTTTTGTCAtgatctGCCTGGTTTTTGTCAtacgctGCCTGGTTTTTGTCA tgccgctGCCTGGTTTTTGTCAtgctttGCCTGGTTTTTGTCAtgatctGCCTGGTT TTTGTCAtacgctGCCTGGTTTTTGTCA
6676	DNA; Synthetic Construct	TGACAAAAGCCAGACtgatctTGACAAAAGCCAGACtacgctTGACAAAAGCCAGAC tgccgctTGACAAAAGCCAGACtgctttTGACAAAAGCCAGACtgatctTGACAAAA GCCAGACtacgctTGACAAAAGCCAGAC
6677	DNA; Synthetic Construct	GTCTGGCTTTTGTCAtgatctGTCTGGCTTTTGTCAtacgctGTCTGGCTTTTGTCA tgccgctGTCTGGCTTTTGTCAtgctttGTCTGGCTTTTGTCAtgatctGTCTGGCT TTTGTCAtacgctGTCTGGCTTTTGTCA
6678	DNA; Synthetic Construct	TGACAAAAGCCAGGCtgatctTGACAAAAGCCAGGCtacgctTGACAAAAGCCAGGC tgccgctTGACAAAAGCCAGGCtgctttTGACAAAAGCCAGGCtgatctTGACAAAA GCCAGGCtacgctTGACAAAAGCCAGGC
6679	DNA; Synthetic Construct	GCCTGGCTTTTGTCAtgatctGCCTGGCTTTTGTCAtacgctGCCTGGCTTTTGTCA tgccgctGCCTGGCTTTTGTCAtgctttGCCTGGCTTTTGTCAtgatctGCCTGGCT TTTGTCAtacgctGCCTGGCTTTTGTCA
6680	DNA; Synthetic Construct	TGACAAAGACCAGACtgatctTGACAAAGACCAGACtacgctTGACAAAGACCAGAC tgccgctTGACAAAGACCAGACtgctttTGACAAAGACCAGACtgatctTGACAAAG ACCAGACtacgctTGACAAAGACCAGAC
6681	DNA; Synthetic Construct	GTCTGGTCTTTGTCAtgatctGTCTGGTCTTTGTCAtacgctGTCTGGTCTTTGTCA tgccgctGTCTGGTCTTTGTCAtgctttGTCTGGTCTTTGTCAtgatctGTCTGGTC TTTGTCAtacgctGTCTGGTCTTTGTCA
6682	DNA; Synthetic Construct	TGACAAAGACCAGGCtgatctTGACAAAGACCAGGCtacgctTGACAAAGACCAGGC tgccgctTGACAAAGACCAGGCtgctttTGACAAAGACCAGGCtgatctTGACAAAG ACCAGGCtacgctTGACAAAGACCAGGC
6683	DNA; Synthetic Construct	GCCTGGTCTTTGTCAtgatctGCCTGGTCTTTGTCAtacgctGCCTGGTCTTTGTCA tgccgctGCCTGGTCTTTGTCAtgctttGCCTGGTCTTTGTCAtgatctGCCTGGTC TTTGTCAtacgctGCCTGGTCTTTGTCA
6684	DNA; Synthetic Construct	TGACAAAGGCCAGACtgatctTGACAAAGGCCAGACtacgctTGACAAAGGCCAGAC tgccgctTGACAAAGGCCAGACtgctttTGACAAAGGCCAGACtgatctTGACAAAG GCCAGACtacgctTGACAAAGGCCAGAC
6685	DNA; Synthetic Construct	GTCTGGCCTTTGTCAtgatctGTCTGGCCTTTGTCAtacgctGTCTGGCCTTTGTCA tgccgctGTCTGGCCTTTGTCAtgctttGTCTGGCCTTTGTCAtgatctGTCTGGCC TTTGTCAtacgctGTCTGGCCTTTGTCA

6686	DNA; Synthetic Construct	TGACAAAGGCCAGGCtgatctTGACAAAGGCCAGGCtacgctTGACAAAGGCCAGGC tgccgctTGACAAAGGCCAGGCtgctttTGACAAAGGCCAGGCtgatctTGACAAAG GCCAGGCtacgctTGACAAAGGCCAGGC
6687	DNA; Synthetic Construct	GCCTGGCCTTTGTCAtgatctGCCTGGCCTTTGTCAtacgctGCCTGGCCTTTGTCA tgccgctGCCTGGCCTTTGTCAtgctttGCCTGGCCTTTGTCAtgatctGCCTGGCC TTTGTCAtacgctGCCTGGCCTTTGTCA
6688	DNA; Synthetic Construct	TAATTGGAATTTAATTGCtacgctTAATTGGAATTTAATTGCtgccgctTAATTGGA ATTTAATTGCtgctttTAATTGGAATTTAATTGCtgatctTAATTGGAATTTAATTG CtacgctTAATTGGAATTTAATTGC
6689	DNA; Synthetic Construct	GCAATTAAATTCCAATTAtacgctGCAATTAAATTCCAATTAtgccgctGCAATTAA ATTCCAATTAtgctttGCAATTAAATTCCAATTAtgatctGCAATTAAATTCCAATT AtacgctGCAATTAAATTCCAATTA
6690	DNA; Synthetic Construct	TAATTGGATTTTAATTGCtacgctTAATTGGATTTTAATTGCtgccgctTAATTGGA TTTTAATTGCtgctttTAATTGGATTTTAATTGCtgatctTAATTGGATTTTAATTG CtacgctTAATTGGATTTTAATTGC
6691	DNA; Synthetic Construct	GCAATTAAAATCCAATTAtacgctGCAATTAAAATCCAATTAtgccgctGCAATTAA AATCCAATTAtgctttGCAATTAAAATCCAATTAtgatctGCAATTAAAATCCAATT AtacgctGCAATTAAAATCCAATTA
6692	DNA; Synthetic Construct	TAATTGGTATTTAATTGCtacgctTAATTGGTATTTAATTGCtgccgctTAATTGGT ATTTAATTGCtgctttTAATTGGTATTTAATTGCtgatctTAATTGGTATTTAATTG CtacgctTAATTGGTATTTAATTGC
6693	DNA; Synthetic Construct	GCAATTAAATACCAATTAtacgctGCAATTAAATACCAATTAtgccgctGCAATTAA ATACCAATTAtgctttGCAATTAAATACCAATTAtgatctGCAATTAAATACCAATT AtacgctGCAATTAAATACCAATTA
6694	DNA; Synthetic Construct	TAATTGGTTTTTAATTGCtacgctTAATTGGTTTTTAATTGCtgccgctTAATTGGT TTTTAATTGCtgctttTAATTGGTTTTTAATTGCtgatctTAATTGGTTTTTAATTG CtacgctTAATTGGTTTTTAATTGC
6695	DNA; Synthetic Construct	GCAATTAAAAACCAATTAtacgctGCAATTAAAAACCAATTAtgccgctGCAATTAA AAACCAATTAtgctttGCAATTAAAAACCAATTAtgatctGCAATTAAAAACCAATT AtacgctGCAATTAAAAACCAATTA
6696	DNA; Synthetic Construct	TAATTGCAATTTAATTGCtacgctTAATTGCAATTTAATTGCtgccgctTAATTGCA ATTTAATTGCtgctttTAATTGCAATTTAATTGCtgatctTAATTGCAATTTAATTG CtacgctTAATTGCAATTTAATTGC
6697	DNA; Synthetic Construct	GCAATTAAATTGCAATTAtacgctGCAATTAAATTGCAATTAtgccgctGCAATTAA ATTGCAATTAtgctttGCAATTAAATTGCAATTAtgatctGCAATTAAATTGCAATT AtacgctGCAATTAAATTGCAATTA
6698	DNA; Synthetic Construct	TAATTGCATTTTAATTGCtacgctTAATTGCATTTTAATTGCtgccgctTAATTGCA TTTTAATTGCtgctttTAATTGCATTTTAATTGCtgatctTAATTGCATTTTAATTG CtacgctTAATTGCATTTTAATTGC
6699	DNA; Synthetic Construct	GCAATTAAAATGCAATTAtacgctGCAATTAAAATGCAATTAtgccgctGCAATTAA AATGCAATTAtgctttGCAATTAAAATGCAATTAtgatctGCAATTAAAATGCAATT AtacgctGCAATTAAAATGCAATTA
6700	DNA; Synthetic Construct	TAATTGCTATTTAATTGCtacgctTAATTGCTATTTAATTGCtgccgctTAATTGCT ATTTAATTGCtgctttTAATTGCTATTTAATTGCtgatctTAATTGCTATTTAATTG CtacgctTAATTGCTATTTAATTGC
6701	DNA; Synthetic Construct	GCAATTAAATAGCAATTAtacgctGCAATTAAATAGCAATTAtgccgctGCAATTAA ATAGCAATTAtgctttGCAATTAAATAGCAATTAtgatctGCAATTAAATAGCAATT AtacgctGCAATTAAATAGCAATTA
6702	DNA; Synthetic Construct	TAATTGCTTTTTAATTGCtacgctTAATTGCTTTTTAATTGCtgccgctTAATTGCT TTTTAATTGCtgctttTAATTGCTTTTTAATTGCtgatctTAATTGCTTTTTAATTG CtacgctTAATTGCTTTTTAATTGC
6703	DNA; Synthetic Construct	GCAATTAAAAAGCAATTAtacgctGCAATTAAAAAGCAATTAtgccgctGCAATTAA AAAGCAATTAtgctttGCAATTAAAAAGCAATTAtgatctGCAATTAAAAAGCAATT AtacgctGCAATTAAAAAGCAATTA

6704	DNA; Synthetic Construct	GCCAATGAtacgctGCCAATGAtgccgctGCCAATGAtgctttGCCAATGAtgatct GCCAATGAtacgctGCCAATGAtgccgctGCCAATGAtgctttGCCAATGAtgatct GCCAATGAtacgctGCCAATGA
6705	DNA; Synthetic Construct	TCATTGGCtacgctTCATTGGCtgccgctTCATTGGCtgctttTCATTGGCtgatct TCATTGGCtacgctTCATTGGCtgccgctTCATTGGCtgctttTCATTGGCtgatct TCATTGGCtacgctTCATTGGC
6706	DNA; Synthetic Construct	GCCAATGGtacgctGCCAATGGtgccgctGCCAATGGtgctttGCCAATGGtgatct GCCAATGGtacgctGCCAATGGtgccgctGCCAATGGtgctttGCCAATGGtgatct GCCAATGGtacgctGCCAATGG
6707	DNA; Synthetic Construct	CCATTGGCtacgctCCATTGGCtgccgctCCATTGGCtgctttCCATTGGCtgatct CCATTGGCtacgctCCATTGGCtgccgctCCATTGGCtgctttCCATTGGCtgatct CCATTGGCtacgctCCATTGGC
6708	DNA; Synthetic Construct	GCCAATCAtacgctGCCAATCAtgccgctGCCAATCAtgctttGCCAATCAtgatct GCCAATCAtacgctGCCAATCAtgccgctGCCAATCAtgctttGCCAATCAtgatct GCCAATCAtacgctGCCAATCA
6709	DNA; Synthetic Construct	TGATTGGCtacgctTGATTGGCtgccgctTGATTGGCtgctttTGATTGGCtgatct TGATTGGCtacgctTGATTGGCtgccgctTGATTGGCtgctttTGATTGGCtgatct TGATTGGCtacgctTGATTGGC
6710	DNA; Synthetic Construct	GCCAATCGtacgctGCCAATCGtgccgctGCCAATCGtgctttGCCAATCGtgatct GCCAATCGtacgctGCCAATCGtgccgctGCCAATCGtgctttGCCAATCGtgatct GCCAATCGtacgctGCCAATCG
6711	DNA; Synthetic Construct	CGATTGGCtacgctCGATTGGCtgccgctCGATTGGCtgctttCGATTGGCtgatct CGATTGGCtacgctCGATTGGCtgccgctCGATTGGCtgctttCGATTGGCtgatct CGATTGGCtacgctCGATTGGC
6712	DNA; Synthetic Construct	CGCTCGTCACCGCGGCTGtacgctCGCTCGTCACCGCGGCTGtgccgctCGCTCGTC ACCGCGGCTGtgctttCGCTCGTCACCGCGGCTGtgatctCGCTCGTCACCGCGGCT GtacgctCGCTCGTCACCGCGGCTG
6713	DNA; Synthetic Construct	CAGCCGCGGTGACGAGCGtacgctCAGCCGCGGTGACGAGCGtgccgctCAGCCGCG GTGACGAGCGtgctttCAGCCGCGGTGACGAGCGtgatctCAGCCGCGGTGACGAGC GtacgctCAGCCGCGGTGACGAGCG
6714	DNA; Synthetic Construct	CGCTCGTCACCGCGGCTCtacgctCGCTCGTCACCGCGGCTCtgccgctCGCTCGTC ACCGCGGCTCtgctttCGCTCGTCACCGCGGCTCtgatctCGCTCGTCACCGCGGCT CtacgctCGCTCGTCACCGCGGCTC
6715	DNA; Synthetic Construct	GAGCCGCGGTGACGAGCGtacgctGAGCCGCGGTGACGAGCGtgccgctGAGCCGCG GTGACGAGCGtgctttGAGCCGCGGTGACGAGCGtgatctGAGCCGCGGTGACGAGC GtacgctGAGCCGCGGTGACGAGCG
6716	DNA; Synthetic Construct	CGCTCGTTACCGCGGCTGtacgctCGCTCGTTACCGCGGCTGtgccgctCGCTCGTT ACCGCGGCTGtgctttCGCTCGTTACCGCGGCTGtgatctCGCTCGTTACCGCGGCT GtacgctCGCTCGTTACCGCGGCTG
6717	DNA; Synthetic Construct	CAGCCGCGGTAACGAGCGtacgctCAGCCGCGGTAACGAGCGtgccgctCAGCCGCG GTAACGAGCGtgctttCAGCCGCGGTAACGAGCGtgatctCAGCCGCGGTAACGAGC GtacgctCAGCCGCGGTAACGAGCG
6718	DNA; Synthetic Construct	CGCTCGTTACCGCGGCTCtacgctCGCTCGTTACCGCGGCTCtgccgctCGCTCGTT ACCGCGGCTCtgctttCGCTCGTTACCGCGGCTCtgatctCGCTCGTTACCGCGGCT CtacgctCGCTCGTTACCGCGGCTC
6719	DNA; Synthetic Construct	GAGCCGCGGTAACGAGCGtacgctGAGCCGCGGTAACGAGCGtgccgctGAGCCGCG GTAACGAGCGtgctttGAGCCGCGGTAACGAGCGtgatctGAGCCGCGGTAACGAGC GtacgctGAGCCGCGGTAACGAGCG
6720	DNA; Synthetic Construct	CGCTCCTCACCGCGGCTGtacgctCGCTCCTCACCGCGGCTGtgccgctCGCTCCTC ACCGCGGCTGtgctttCGCTCCTCACCGCGGCTGtgatctCGCTCCTCACCGCGGCT GtacgctCGCTCCTCACCGCGGCTG
6721	DNA; Synthetic Construct	CAGCCGCGGTGAGGAGCGtacgctCAGCCGCGGTGAGGAGCGtgccgctCAGCCGCG GTGAGGAGCGtgctttCAGCCGCGGTGAGGAGCGtgatctCAGCCGCGGTGAGGAGC GtacgctCAGCCGCGGTGAGGAGCG

6722	DNA; Synthetic Construct	CGCTCCTCACCGCGGCTCtacgctCGCTCCTCACCGCGGCTCtgccgctCGCTCCTC ACCGCGGCTCtgctttCGCTCCTCACCGCGGCTCtgatctCGCTCCTCACCGCGGCT CtacgctCGCTCCTCACCGCGGCTC
6723	DNA; Synthetic Construct	GAGCCGCGGTGAGGAGCGtacgctGAGCCGCGGTGAGGAGCGtgccgctGAGCCGCG GTGAGGAGCGtgctttGAGCCGCGGTGAGGAGCGtgatctGAGCCGCGGTGAGGAGC GtacgctGAGCCGCGGTGAGGAGCG
6724	DNA; Synthetic Construct	CGCTCCTTACCGCGGCTGtacgctCGCTCCTTACCGCGGCTGtgccgctCGCTCCTT ACCGCGGCTGtgctttCGCTCCTTACCGCGGCTGtgatctCGCTCCTTACCGCGGCT GtacgctCGCTCCTTACCGCGGCTG
6725	DNA; Synthetic Construct	CAGCCGCGGTAAGGAGCGtacgctCAGCCGCGGTAAGGAGCGtgccgctCAGCCGCG GTAAGGAGCGtgctttCAGCCGCGGTAAGGAGCGtgatctCAGCCGCGGTAAGGAGC GtacgctCAGCCGCGGTAAGGAGCG
6726	DNA; Synthetic Construct	CGCTCCTTACCGCGGCTCtacgctCGCTCCTTACCGCGGCTCtgccgctCGCTCCTT ACCGCGGCTCtgctttCGCTCCTTACCGCGGCTCtgatctCGCTCCTTACCGCGGCT CtacgctCGCTCCTTACCGCGGCTC
6727	DNA; Synthetic Construct	GAGCCGCGGTAAGGAGCGtacgctGAGCCGCGGTAAGGAGCGtgccgctGAGCCGCG GTAAGGAGCGtgctttGAGCCGCGGTAAGGAGCGtgatctGAGCCGCGGTAAGGAGC GtacgctGAGCCGCGGTAAGGAGCG
6728	DNA; Synthetic Construct	CGCTTGTCACCGCGGCTGtacgctCGCTTGTCACCGCGGCTGtgccgctCGCTTGTC ACCGCGGCTGtgctttCGCTTGTCACCGCGGCTGtgatctCGCTTGTCACCGCGGCT GtacgctCGCTTGTCACCGCGGCTG
6729	DNA; Synthetic Construct	CAGCCGCGGTGACAAGCGtacgctCAGCCGCGGTGACAAGCGtgccgctCAGCCGCG GTGACAAGCGtgctttCAGCCGCGGTGACAAGCGtgatctCAGCCGCGGTGACAAGC GtacgctCAGCCGCGGTGACAAGCG
6730	DNA; Synthetic Construct	CGCTTGTCACCGCGGCTCtacgctCGCTTGTCACCGCGGCTCtgccgctCGCTTGTC ACCGCGGCTCtgctttCGCTTGTCACCGCGGCTCtgatctCGCTTGTCACCGCGGCT CtacgctCGCTTGTCACCGCGGCTC
6731	DNA; Synthetic Construct	GAGCCGCGGTGACAAGCGtacgctGAGCCGCGGTGACAAGCGtgccgctGAGCCGCG GTGACAAGCGtgctttGAGCCGCGGTGACAAGCGtgatctGAGCCGCGGTGACAAGC GtacgctGAGCCGCGGTGACAAGCG
6732	DNA; Synthetic Construct	CGCTTGTTACCGCGGCTGtacgctCGCTTGTTACCGCGGCTGtgccgctCGCTTGTT ACCGCGGCTGtgctttCGCTTGTTACCGCGGCTGtgatctCGCTTGTTACCGCGGCT GtacgctCGCTTGTTACCGCGGCTG
6733	DNA; Synthetic Construct	CAGCCGCGGTAACAAGCGtacgctCAGCCGCGGTAACAAGCGtgccgctCAGCCGCG GTAACAAGCGtgctttCAGCCGCGGTAACAAGCGtgatctCAGCCGCGGTAACAAGC GtacgctCAGCCGCGGTAACAAGCG
6734	DNA; Synthetic Construct	CGCTTGTTACCGCGGCTCtacgctCGCTTGTTACCGCGGCTCtgccgctCGCTTGTT ACCGCGGCTCtgctttCGCTTGTTACCGCGGCTCtgatctCGCTTGTTACCGCGGCT CtacgctCGCTTGTTACCGCGGCTC
6735	DNA; Synthetic Construct	GAGCCGCGGTAACAAGCGtacgctGAGCCGCGGTAACAAGCGtgccgctGAGCCGCG GTAACAAGCGtgctttGAGCCGCGGTAACAAGCGtgatctGAGCCGCGGTAACAAGC GtacgctGAGCCGCGGTAACAAGCG
6736	DNA; Synthetic Construct	CGCTTCTCACCGCGGCTGtacgctCGCTTCTCACCGCGGCTGtgccgctCGCTTCTC ACCGCGGCTGtgctttCGCTTCTCACCGCGGCTGtgatctCGCTTCTCACCGCGGCT GtacgctCGCTTCTCACCGCGGCTG
6737	DNA; Synthetic Construct	CAGCCGCGGTGAGAAGCGtacgctCAGCCGCGGTGAGAAGCGtgccgctCAGCCGCG GTGAGAAGCGtgctttCAGCCGCGGTGAGAAGCGtgatctCAGCCGCGGTGAGAAGC GtacgctCAGCCGCGGTGAGAAGCG
6738	DNA; Synthetic Construct	CGCTTCTCACCGCGGCTCtacgctCGCTTCTCACCGCGGCTCtgccgctCGCTTCTC ACCGCGGCTCtgctttCGCTTCTCACCGCGGCTCtgatctCGCTTCTCACCGCGGCT CtacgctCGCTTCTCACCGCGGCTC
6739	DNA; Synthetic Construct	GAGCCGCGGTGAGAAGCGtacgctGAGCCGCGGTGAGAAGCGtgccgctGAGCCGCG GTGAGAAGCGtgctttGAGCCGCGGTGAGAAGCGtgatctGAGCCGCGGTGAGAAGC GtacgctGAGCCGCGGTGAGAAGCG

6740	DNA; Synthetic Construct	CGCTTCTTACCGCGGCTGtacgctCGCTTCTTACCGCGGCTGtgccgctCGCTTCTT ACCGCGGCTGtgctttCGCTTCTTACCGCGGCTGtgatctCGCTTCTTACCGCGGCT GtacgctCGCTTCTTACCGCGGCTG
6741	DNA; Synthetic Construct	CAGCCGCGGTAAGAAGCGtacgctCAGCCGCGGTAAGAAGCGtgccgctCAGCCGCG GTAAGAAGCGtgctttCAGCCGCGGTAAGAAGCGtgatctCAGCCGCGGTAAGAAGC GtacgctCAGCCGCGGTAAGAAGCG
6742	DNA; Synthetic Construct	CGCTTCTTACCGCGGCTCtacgctCGCTTCTTACCGCGGCTCtgccgctCGCTTCTT ACCGCGGCTCtgctttCGCTTCTTACCGCGGCTCtgatctCGCTTCTTACCGCGGCT CtacgctCGCTTCTTACCGCGGCTC
6743	DNA; Synthetic Construct	GAGCCGCGGTAAGAAGCGtacgctGAGCCGCGGTAAGAAGCGtgccgctGAGCCGCG GTAAGAAGCGtgctttGAGCCGCGGTAAGAAGCGtgatctGAGCCGCGGTAAGAAGC GtacgctGAGCCGCGGTAAGAAGCG
6744	DNA; Synthetic Construct	CGTTCGTCACCGCGGCTGtacgctCGTTCGTCACCGCGGCTGtgccgctCGTTCGTC ACCGCGGCTGtgctttCGTTCGTCACCGCGGCTGtgatctCGTTCGTCACCGCGGCT GtacgctCGTTCGTCACCGCGGCTG
6745	DNA; Synthetic Construct	CAGCCGCGGTGACGAACGtacgctCAGCCGCGGTGACGAACGtgccgctCAGCCGCG GTGACGAACGtgctttCAGCCGCGGTGACGAACGtgatctCAGCCGCGGTGACGAAC GtacgctCAGCCGCGGTGACGAACG
6746	DNA; Synthetic Construct	CGTTCGTCACCGCGGCTCtacgctCGTTCGTCACCGCGGCTCtgccgctCGTTCGTC ACCGCGGCTCtgctttCGTTCGTCACCGCGGCTCtgatctCGTTCGTCACCGCGGCT CtacgctCGTTCGTCACCGCGGCTC
6747	DNA; Synthetic Construct	GAGCCGCGGTGACGAACGtacgctGAGCCGCGGTGACGAACGtgccgctGAGCCGCG GTGACGAACGtgctttGAGCCGCGGTGACGAACGtgatctGAGCCGCGGTGACGAAC GtacgctGAGCCGCGGTGACGAACG
6748	DNA; Synthetic Construct	CGTTCGTTACCGCGGCTGtacgctCGTTCGTTACCGCGGCTGtgccgctCGTTCGTT ACCGCGGCTGtgctttCGTTCGTTACCGCGGCTGtgatctCGTTCGTTACCGCGGCT GtacgctCGTTCGTTACCGCGGCTG
6749	DNA; Synthetic Construct	CAGCCGCGGTAACGAACGtacgctCAGCCGCGGTAACGAACGtgccgctCAGCCGCG GTAACGAACGtgctttCAGCCGCGGTAACGAACGtgatctCAGCCGCGGTAACGAAC GtacgctCAGCCGCGGTAACGAACG
6750	DNA; Synthetic Construct	CGTTCGTTACCGCGGCTCtacgctCGTTCGTTACCGCGGCTCtgccgctCGTTCGTT ACCGCGGCTCtgctttCGTTCGTTACCGCGGCTCtgatctCGTTCGTTACCGCGGCT CtacgctCGTTCGTTACCGCGGCTC
6751	DNA; Synthetic Construct	GAGCCGCGGTAACGAACGtacgctGAGCCGCGGTAACGAACGtgccgctGAGCCGCG GTAACGAACGtgctttGAGCCGCGGTAACGAACGtgatctGAGCCGCGGTAACGAAC GtacgctGAGCCGCGGTAACGAACG
6752	DNA; Synthetic Construct	CGTTCCTCACCGCGGCTGtacgctCGTTCCTCACCGCGGCTGtgccgctCGTTCCTC ACCGCGGCTGtgctttCGTTCCTCACCGCGGCTGtgatctCGTTCCTCACCGCGGCT GtacgctCGTTCCTCACCGCGGCTG
6753	DNA; Synthetic Construct	CAGCCGCGGTGAGGAACGtacgctCAGCCGCGGTGAGGAACGtgccgctCAGCCGCG GTGAGGAACGtgctttCAGCCGCGGTGAGGAACGtgatctCAGCCGCGGTGAGGAAC GtacgctCAGCCGCGGTGAGGAACG
6754	DNA; Synthetic Construct	CGTTCCTCACCGCGGCTCtacgctCGTTCCTCACCGCGGCTCtgccgctCGTTCCTC ACCGCGGCTCtgctttCGTTCCTCACCGCGGCTCtgatctCGTTCCTCACCGCGGCT CtacgctCGTTCCTCACCGCGGCTC
6755	DNA; Synthetic Construct	GAGCCGCGGTGAGGAACGtacgctGAGCCGCGGTGAGGAACGtgccgctGAGCCGCG GTGAGGAACGtgctttGAGCCGCGGTGAGGAACGtgatctGAGCCGCGGTGAGGAAC GtacgctGAGCCGCGGTGAGGAACG
6756	DNA; Synthetic Construct	CGTTCCTTACCGCGGCTGtacgctCGTTCCTTACCGCGGCTGtgccgctCGTTCCTT ACCGCGGCTGtgctttCGTTCCTTACCGCGGCTGtgatctCGTTCCTTACCGCGGCT GtacgctCGTTCCTTACCGCGGCTG
6757	DNA; Synthetic Construct	CAGCCGCGGTAAGGAACGtacgctCAGCCGCGGTAAGGAACGtgccgctCAGCCGCG GTAAGGAACGtgctttCAGCCGCGGTAAGGAACGtgatctCAGCCGCGGTAAGGAAC GtacgctCAGCCGCGGTAAGGAACG

6758	DNA; Synthetic Construct	CGTTCCTTACCGCGGCTCtacgctCGTTCCTTACCGCGGCTCtgccgctCGTTCCTT ACCGCGGCTCtgctttCGTTCCTTACCGCGGCTCtgatctCGTTCCTTACCGCGGCT CtacgctCGTTCCTTACCGCGGCTC
6759	DNA; Synthetic Construct	GAGCCGCGGTAAGGAACGtacgctGAGCCGCGGTAAGGAACGtgccgctGAGCCGCG GTAAGGAACGtgctttGAGCCGCGGTAAGGAACGtgatctGAGCCGCGGTAAGGAAC GtacgctGAGCCGCGGTAAGGAACG
6760	DNA; Synthetic Construct	CGTTTGTCACCGCGGCTGtacgctCGTTTGTCACCGCGGCTGtgccgctCGTTTGTC ACCGCGGCTGtgctttCGTTTGTCACCGCGGCTGtgatctCGTTTGTCACCGCGGCT GtacgctCGTTTGTCACCGCGGCTG
6761	DNA; Synthetic Construct	CAGCCGCGGTGACAAACGtacgctCAGCCGCGGTGACAAACGtgccgctCAGCCGCG GTGACAAACGtgctttCAGCCGCGGTGACAAACGtgatctCAGCCGCGGTGACAAAC GtacgctCAGCCGCGGTGACAAACG
6762	DNA; Synthetic Construct	CGTTTGTCACCGCGGCTCtacgctCGTTTGTCACCGCGGCTCtgccgctCGTTTGTC ACCGCGGCTCtgctttCGTTTGTCACCGCGGCTCtgatctCGTTTGTCACCGCGGCT CtacgctCGTTTGTCACCGCGGCTC
6763	DNA; Synthetic Construct	GAGCCGCGGTGACAAACGtacgctGAGCCGCGGTGACAAACGtgccgctGAGCCGCG GTGACAAACGtgctttGAGCCGCGGTGACAAACGtgatctGAGCCGCGGTGACAAAC GtacgctGAGCCGCGGTGACAAACG
6764	DNA; Synthetic Construct	CGTTTGTTACCGCGGCTGtacgctCGTTTGTTACCGCGGCTGtgccgctCGTTTGTT ACCGCGGCTGtgctttCGTTTGTTACCGCGGCTGtgatctCGTTTGTTACCGCGGCT GtacgctCGTTTGTTACCGCGGCTG
6765	DNA; Synthetic Construct	CAGCCGCGGTAACAAACGtacgctCAGCCGCGGTAACAAACGtgccgctCAGCCGCG GTAACAAACGtgctttCAGCCGCGGTAACAAACGtgatctCAGCCGCGGTAACAAAC GtacgctCAGCCGCGGTAACAAACG
6766	DNA; Synthetic Construct	CGTTTGTTACCGCGGCTCtacgctCGTTTGTTACCGCGGCTCtgccgctCGTTTGTT ACCGCGGCTCtgctttCGTTTGTTACCGCGGCTCtgatctCGTTTGTTACCGCGGCT CtacgctCGTTTGTTACCGCGGCTC
6767	DNA; Synthetic Construct	GAGCCGCGGTAACAAACGtacgctGAGCCGCGGTAACAAACGtgccgctGAGCCGCG GTAACAAACGtgctttGAGCCGCGGTAACAAACGtgatctGAGCCGCGGTAACAAAC GtacgctGAGCCGCGGTAACAAACG
6768	DNA; Synthetic Construct	CGTTTCTCACCGCGGCTGtacgctCGTTTCTCACCGCGGCTGtgccgctCGTTTCTC ACCGCGGCTGtgctttCGTTTCTCACCGCGGCTGtgatctCGTTTCTCACCGCGGCT GtacgctCGTTTCTCACCGCGGCTG
6769	DNA; Synthetic Construct	CAGCCGCGGTGAGAAACGtacgctCAGCCGCGGTGAGAAACGtgccgctCAGCCGCG GTGAGAAACGtgctttCAGCCGCGGTGAGAAACGtgatctCAGCCGCGGTGAGAAAC GtacgctCAGCCGCGGTGAGAAACG
6770	DNA; Synthetic Construct	CGTTTCTCACCGCGGCTCtacgctCGTTTCTCACCGCGGCTCtgccgctCGTTTCTC ACCGCGGCTCtgctttCGTTTCTCACCGCGGCTCtgatctCGTTTCTCACCGCGGCT CtacgctCGTTTCTCACCGCGGCTC
6771	DNA; Synthetic Construct	GAGCCGCGGTGAGAAACGtacgctGAGCCGCGGTGAGAAACGtgccgctGAGCCGCG GTGAGAAACGtgctttGAGCCGCGGTGAGAAACGtgatctGAGCCGCGGTGAGAAAC GtacgctGAGCCGCGGTGAGAAACG
6772	DNA; Synthetic Construct	CGTTTCTTACCGCGGCTGtacgctCGTTTCTTACCGCGGCTGtgccgctCGTTTCTT ACCGCGGCTGtgctttCGTTTCTTACCGCGGCTGtgatctCGTTTCTTACCGCGGCT GtacgctCGTTTCTTACCGCGGCTG
6773	DNA; Synthetic Construct	CAGCCGCGGTAAGAAACGtacgctCAGCCGCGGTAAGAAACGtgccgctCAGCCGCG GTAAGAAACGtgctttCAGCCGCGGTAAGAAACGtgatctCAGCCGCGGTAAGAAAC GtacgctCAGCCGCGGTAAGAAACG
6774	DNA; Synthetic Construct	CGTTTCTTACCGCGGCTCtacgctCGTTTCTTACCGCGGCTCtgccgctCGTTTCTT ACCGCGGCTCtgctttCGTTTCTTACCGCGGCTCtgatctCGTTTCTTACCGCGGCT CtacgctCGTTTCTTACCGCGGCTC
6775	DNA; Synthetic Construct	GAGCCGCGGTAAGAAACGtacgctGAGCCGCGGTAAGAAACGtgccgctGAGCCGCG GTAAGAAACGtgctttGAGCCGCGGTAAGAAACGtgatctGAGCCGCGGTAAGAAAC GtacgctGAGCCGCGGTAAGAAACG

6776	DNA; Synthetic Construct	TGCTCGTCACCGCGGCTGtacgcttGCTCGTCACCGCGGCTGtgccgcttGCTCGTC ACCGCGGCTGtgctttGCTCGTCACCGCGGCTGtgatctTGCTCGTCACCGCGGCT GtacgctTGCTCGTCACCGCGGCTG
6777	DNA; Synthetic Construct	CAGCCGCGGTGACGAGCAtacgctCAGCCGCGGTGACGAGCAtgccgctCAGCCGCG GTGACGAGCAtgctttCAGCCGCGGTGACGAGCAtgatctCAGCCGCGGTGACGAGC AtacgctCAGCCGCGGTGACGAGCA
6778	DNA; Synthetic Construct	TGCTCGTCACCGCGGCTCtacgcttGCTCGTCACCGCGGCTCtgccgcttGCTCGTC ACCGCGGCTCtgctttGCTCGTCACCGCGGCTCtgatctTGCTCGTCACCGCGGCT CtacgctTGCTCGTCACCGCGGCTC
6779	DNA; Synthetic Construct	GAGCCGCGGTGACGAGCAtacgctGAGCCGCGGTGACGAGCAtgccgctGAGCCGCG GTGACGAGCAtgctttGAGCCGCGGTGACGAGCAtgatctGAGCCGCGGTGACGAGC AtacgctGAGCCGCGGTGACGAGCA
6780	DNA; Synthetic Construct	TGCTCGTTACCGCGGCTGtacgcttGCTCGTTACCGCGGCTGtgccgcttGCTCGTT ACCGCGGCTGtgctttGCTCGTTACCGCGGCTGtgatctTGCTCGTTACCGCGGCT GtacgctTGCTCGTTACCGCGGCTG
6781	DNA; Synthetic Construct	CAGCCGCGGTAACGAGCAtacgctCAGCCGCGGTAACGAGCAtgccgctCAGCCGCG GTAACGAGCAtgctttCAGCCGCGGTAACGAGCAtgatctCAGCCGCGGTAACGAGC AtacgctCAGCCGCGGTAACGAGCA
6782	DNA; Synthetic Construct	TGCTCGTTACCGCGGCTCtacgcttGCTCGTTACCGCGGCTCtgccgcttGCTCGTT ACCGCGGCTCtgctttGCTCGTTACCGCGGCTCtgatctTGCTCGTTACCGCGGCT CtacgctTGCTCGTTACCGCGGCTC
6783	DNA; Synthetic Construct	GAGCCGCGGTAACGAGCAtacgctGAGCCGCGGTAACGAGCAtgccgctGAGCCGCG GTAACGAGCAtgctttGAGCCGCGGTAACGAGCAtgatctGAGCCGCGGTAACGAGC AtacgctGAGCCGCGGTAACGAGCA
6784	DNA; Synthetic Construct	TGCTCCTCACCGCGGCTGtacgcttGCTCCTCACCGCGGCTGtgccgcttGCTCCTC ACCGCGGCTGtgctttGCTCCTCACCGCGGCTGtgatctTGCTCCTCACCGCGGCT GtacgctTGCTCCTCACCGCGGCTG
6785	DNA; Synthetic Construct	CAGCCGCGGTGAGGAGCAtacgctCAGCCGCGGTGAGGAGCAtgccgctCAGCCGCG GTGAGGAGCAtgctttCAGCCGCGGTGAGGAGCAtgatctCAGCCGCGGTGAGGAGC AtacgctCAGCCGCGGTGAGGAGCA
6786	DNA; Synthetic Construct	TGCTCCTCACCGCGGCTCtacgcttGCTCCTCACCGCGGCTCtgccgcttGCTCCTC ACCGCGGCTCtgctttGCTCCTCACCGCGGCTCtgatctTGCTCCTCACCGCGGCT CtacgctTGCTCCTCACCGCGGCTC
6787	DNA; Synthetic Construct	GAGCCGCGGTGAGGAGCAtacgctGAGCCGCGGTGAGGAGCAtgccgctGAGCCGCG GTGAGGAGCAtgctttGAGCCGCGGTGAGGAGCAtgatctGAGCCGCGGTGAGGAGC AtacgctGAGCCGCGGTGAGGAGCA
6788	DNA; Synthetic Construct	TGCTCCTTACCGCGGCTGtacgcttGCTCCTTACCGCGGCTGtgccgcttGCTCCTT ACCGCGGCTGtgctttGCTCCTTACCGCGGCTGtgatctTGCTCCTTACCGCGGCT GtacgctTGCTCCTTACCGCGGCTG
6789	DNA; Synthetic Construct	CAGCCGCGGTAAGGAGCAtacgctCAGCCGCGGTAAGGAGCAtgccgctCAGCCGCG GTAAGGAGCAtgctttCAGCCGCGGTAAGGAGCAtgatctCAGCCGCGGTAAGGAGC AtacgctCAGCCGCGGTAAGGAGCA
6790	DNA; Synthetic Construct	TGCTCCTTACCGCGGCTCtacgcttGCTCCTTACCGCGGCTCtgccgcttGCTCCTT ACCGCGGCTCtgctttGCTCCTTACCGCGGCTCtgatctTGCTCCTTACCGCGGCT CtacgctTGCTCCTTACCGCGGCTC
6791	DNA; Synthetic Construct	GAGCCGCGGTAAGGAGCAtacgctGAGCCGCGGTAAGGAGCAtgccgctGAGCCGCG GTAAGGAGCAtgctttGAGCCGCGGTAAGGAGCAtgatctGAGCCGCGGTAAGGAGC AtacgctGAGCCGCGGTAAGGAGCA
6792	DNA; Synthetic Construct	TGCTTGTCACCGCGGCTGtacgcttGCTTGTCACCGCGGCTGtgccgcttGCTTGTC ACCGCGGCTGtgctttGCTTGTCACCGCGGCTGtgatctTGCTTGTCACCGCGGCT GtacgctTGCTTGTCACCGCGGCTG
6793	DNA; Synthetic Construct	CAGCCGCGGTGACAAGCAtacgctCAGCCGCGGTGACAAGCAtgccgctCAGCCGCG GTGACAAGCAtgctttCAGCCGCGGTGACAAGCAtgatctCAGCCGCGGTGACAAGC AtacgctCAGCCGCGGTGACAAGCA

6794	DNA; Synthetic Construct	TGCTTGTCACCGCGGCTCtacgctTGCTTGTCACCGCGGCTCtgccgctTGCTTGTC ACCGCGGCTCtgctttTGCTTGTCACCGCGGCTCtgatctTGCTTGTCACCGCGGCT CtacgctTGCTTGTCACCGCGGCTC
6795	DNA; Synthetic Construct	GAGCCGCGGTGACAAGCAtacgctGAGCCGCGGTGACAAGCAtgccgctGAGCCGCG GTGACAAGCAtgctttGAGCCGCGGTGACAAGCAtgatctGAGCCGCGGTGACAAGC AtacgctGAGCCGCGGTGACAAGCA
6796	DNA; Synthetic Construct	TGCTTGTTACCGCGGCTGtacgctTGCTTGTTACCGCGGCTGtgccgctTGCTTGTT ACCGCGGCTGtgctttTGCTTGTTACCGCGGCTGtgatctTGCTTGTTACCGCGGCT GtacgctTGCTTGTTACCGCGGCTG
6797	DNA; Synthetic Construct	CAGCCGCGGTAACAAGCAtacgctCAGCCGCGGTAACAAGCAtgccgctCAGCCGCG GTAACAAGCAtgctttCAGCCGCGGTAACAAGCAtgatctCAGCCGCGGTAACAAGC AtacgctCAGCCGCGGTAACAAGCA
6798	DNA; Synthetic Construct	TGCTTGTTACCGCGGCTCtacgctTGCTTGTTACCGCGGCTCtgccgctTGCTTGTT ACCGCGGCTCtgctttTGCTTGTTACCGCGGCTCtgatctTGCTTGTTACCGCGGCT CtacgctTGCTTGTTACCGCGGCTC
6799	DNA; Synthetic Construct	GAGCCGCGGTAACAAGCAtacgctGAGCCGCGGTAACAAGCAtgccgctGAGCCGCG GTAACAAGCAtgctttGAGCCGCGGTAACAAGCAtgatctGAGCCGCGGTAACAAGC AtacgctGAGCCGCGGTAACAAGCA
6800	DNA; Synthetic Construct	TGCTTCTCACCGCGGCTGtacgctTGCTTCTCACCGCGGCTGtgccgctTGCTTCTC ACCGCGGCTGtgctttTGCTTCTCACCGCGGCTGtgatctTGCTTCTCACCGCGGCT GtacgctTGCTTCTCACCGCGGCTG
6801	DNA; Synthetic Construct	CAGCCGCGGTGAGAAGCAtacgctCAGCCGCGGTGAGAAGCAtgccgctCAGCCGCG GTGAGAAGCAtgctttCAGCCGCGGTGAGAAGCAtgatctCAGCCGCGGTGAGAAGC AtacgctCAGCCGCGGTGAGAAGCA
6802	DNA; Synthetic Construct	TGCTTCTCACCGCGGCTCtacgctTGCTTCTCACCGCGGCTCtgccgctTGCTTCTC ACCGCGGCTCtgctttTGCTTCTCACCGCGGCTCtgatctTGCTTCTCACCGCGGCT CtacgctTGCTTCTCACCGCGGCTC
6803	DNA; Synthetic Construct	GAGCCGCGGTGAGAAGCAtacgctGAGCCGCGGTGAGAAGCAtgccgctGAGCCGCG GTGAGAAGCAtgctttGAGCCGCGGTGAGAAGCAtgatctGAGCCGCGGTGAGAAGC AtacgctGAGCCGCGGTGAGAAGCA
6804	DNA; Synthetic Construct	TGCTTCTTACCGCGGCTGtacgctTGCTTCTTACCGCGGCTGtgccgctTGCTTCTT ACCGCGGCTGtgctttTGCTTCTTACCGCGGCTGtgatctTGCTTCTTACCGCGGCT GtacgctTGCTTCTTACCGCGGCTG
6805	DNA; Synthetic Construct	CAGCCGCGGTAAGAAGCAtacgctCAGCCGCGGTAAGAAGCAtgccgctCAGCCGCG GTAAGAAGCAtgctttCAGCCGCGGTAAGAAGCAtgatctCAGCCGCGGTAAGAAGC AtacgctCAGCCGCGGTAAGAAGCA
6806	DNA; Synthetic Construct	TGCTTCTTACCGCGGCTCtacgctTGCTTCTTACCGCGGCTCtgccgctTGCTTCTT ACCGCGGCTCtgctttTGCTTCTTACCGCGGCTCtgatctTGCTTCTTACCGCGGCT CtacgctTGCTTCTTACCGCGGCTC
6807	DNA; Synthetic Construct	GAGCCGCGGTAAGAAGCAtacgctGAGCCGCGGTAAGAAGCAtgccgctGAGCCGCG GTAAGAAGCAtgctttGAGCCGCGGTAAGAAGCAtgatctGAGCCGCGGTAAGAAGC AtacgctGAGCCGCGGTAAGAAGCA
6808	DNA; Synthetic Construct	TGTTCGTCACCGCGGCTGtacgctTGTTCGTCACCGCGGCTGtgccgctTGTTCGTC ACCGCGGCTGtgctttTGTTCGTCACCGCGGCTGtgatctTGTTCGTCACCGCGGCT GtacgctTGTTCGTCACCGCGGCTG
6809	DNA; Synthetic Construct	CAGCCGCGGTGACGAACAtacgctCAGCCGCGGTGACGAACAtgccgctCAGCCGCG GTGACGAACAtgctttCAGCCGCGGTGACGAACAtgatctCAGCCGCGGTGACGAAC AtacgctCAGCCGCGGTGACGAACA
6810	DNA; Synthetic Construct	TGTTCGTCACCGCGGCTCtacgctTGTTCGTCACCGCGGCTCtgccgctTGTTCGTC ACCGCGGCTCtgctttTGTTCGTCACCGCGGCTCtgatctTGTTCGTCACCGCGGCT CtacgctTGTTCGTCACCGCGGCTC
6811	DNA; Synthetic Construct	GAGCCGCGGTGACGAACAtacgctGAGCCGCGGTGACGAACAtgccgctGAGCCGCG GTGACGAACAtgctttGAGCCGCGGTGACGAACAtgatctGAGCCGCGGTGACGAAC AtacgctGAGCCGCGGTGACGAACA

6812	DNA; Synthetic Construct	TGTTCGTTACCGCGGCTGtacgcttGTTCGTTACCGCGGCTGtgccgcttGTTCGTT ACCGCGGCTGtgctttTGTTCGTTACCGCGGCTGtgatcttGTTCGTTACCGCGGCT GtacgcttGTTCGTTACCGCGGCTG
6813	DNA; Synthetic Construct	CAGCCGCGGTAACGAACAtacgctCAGCCGCGGTAACGAACAtgccgctCAGCCGCG GTAACGAACAtgctttCAGCCGCGGTAACGAACAtgatctCAGCCGCGGTAACGAAC AtacgctCAGCCGCGGTAACGAACA
6814	DNA; Synthetic Construct	TGTTCGTTACCGCGGCTCtacgcttGTTCGTTACCGCGGCTCtgccgcttGTTCGTT ACCGCGGCTCtgctttTGTTCGTTACCGCGGCTCtgatcttGTTCGTTACCGCGGCT CtacgcttGTTCGTTACCGCGGCTC
6815	DNA; Synthetic Construct	GAGCCGCGGTAACGAACAtacgctGAGCCGCGGTAACGAACAtgccgctGAGCCGCG GTAACGAACAtgctttGAGCCGCGGTAACGAACAtgatctGAGCCGCGGTAACGAAC AtacgctGAGCCGCGGTAACGAACA
6816	DNA; Synthetic Construct	TGTTCCTCACCGCGGCTGtacgcttGTTCCTCACCGCGGCTGtgccgcttGTTCCTC ACCGCGGCTGtgctttTGTTCCTCACCGCGGCTGtgatcttGTTCCTCACCGCGGCT GtacgcttGTTCCTCACCGCGGCTG
6817	DNA; Synthetic Construct	CAGCCGCGGTGAGGAACAtacgctCAGCCGCGGTGAGGAACAtgccgctCAGCCGCG GTGAGGAACAtgctttCAGCCGCGGTGAGGAACAtgatctCAGCCGCGGTGAGGAAC AtacgctCAGCCGCGGTGAGGAACA
6818	DNA; Synthetic Construct	TGTTCCTCACCGCGGCTCtacgcttGTTCCTCACCGCGGCTCtgccgcttGTTCCTC ACCGCGGCTCtgctttTGTTCCTCACCGCGGCTCtgatcttGTTCCTCACCGCGGCT CtacgcttGTTCCTCACCGCGGCTC
6819	DNA; Synthetic Construct	GAGCCGCGGTGAGGAACAtacgctGAGCCGCGGTGAGGAACAtgccgctGAGCCGCG GTGAGGAACAtgctttGAGCCGCGGTGAGGAACAtgatctGAGCCGCGGTGAGGAAC AtacgctGAGCCGCGGTGAGGAACA
6820	DNA; Synthetic Construct	TGTTCCTTACCGCGGCTGtacgcttGTTCCTTACCGCGGCTGtgccgcttGTTCCTT ACCGCGGCTGtgctttTGTTCCTTACCGCGGCTGtgatcttGTTCCTTACCGCGGCT GtacgcttGTTCCTTACCGCGGCTG
6821	DNA; Synthetic Construct	CAGCCGCGGTAAGGAACAtacgctCAGCCGCGGTAAGGAACAtgccgctCAGCCGCG GTAAGGAACAtgctttCAGCCGCGGTAAGGAACAtgatctCAGCCGCGGTAAGGAAC AtacgctCAGCCGCGGTAAGGAACA
6822	DNA; Synthetic Construct	TGTTCCTTACCGCGGCTCtacgcttGTTCCTTACCGCGGCTCtgccgcttGTTCCTT ACCGCGGCTCtgctttTGTTCCTTACCGCGGCTCtgatcttGTTCCTTACCGCGGCT CtacgcttGTTCCTTACCGCGGCTC
6823	DNA; Synthetic Construct	GAGCCGCGGTAAGGAACAtacgctGAGCCGCGGTAAGGAACAtgccgctGAGCCGCG GTAAGGAACAtgctttGAGCCGCGGTAAGGAACAtgatctGAGCCGCGGTAAGGAAC AtacgctGAGCCGCGGTAAGGAACA
6824	DNA; Synthetic Construct	TGTTTGTCACCGCGGCTGtacgcttGTTTGTCACCGCGGCTGtgccgcttGTTTGTC ACCGCGGCTGtgctttTGTTTGTCACCGCGGCTGtgatcttGTTTGTCACCGCGGCT GtacgcttGTTTGTCACCGCGGCTG
6825	DNA; Synthetic Construct	CAGCCGCGGTGACAAACAtacgctCAGCCGCGGTGACAAACAtgccgctCAGCCGCG GTGACAAACAtgctttCAGCCGCGGTGACAAACAtgatctCAGCCGCGGTGACAAAC AtacgctCAGCCGCGGTGACAAACA
6826	DNA; Synthetic Construct	TGTTTGTCACCGCGGCTCtacgcttGTTTGTCACCGCGGCTCtgccgcttGTTTGTC ACCGCGGCTCtgctttTGTTTGTCACCGCGGCTCtgatcttGTTTGTCACCGCGGCT CtacgcttGTTTGTCACCGCGGCTC
6827	DNA; Synthetic Construct	GAGCCGCGGTGACAAACAtacgctGAGCCGCGGTGACAAACAtgccgctGAGCCGCG GTGACAAACAtgctttGAGCCGCGGTGACAAACAtgatctGAGCCGCGGTGACAAAC AtacgctGAGCCGCGGTGACAAACA
6828	DNA; Synthetic Construct	TGTTTGTTACCGCGGCTGtacgcttGTTTGTTACCGCGGCTGtgccgcttGTTTGTT ACCGCGGCTGtgctttTGTTTGTTACCGCGGCTGtgatcttGTTTGTTACCGCGGCT GtacgcttGTTTGTTACCGCGGCTG
6829	DNA; Synthetic Construct	CAGCCGCGGTAACAAACAtacgctCAGCCGCGGTAACAAACAtgccgctCAGCCGCG GTAACAAACAtgctttCAGCCGCGGTAACAAACAtgatctCAGCCGCGGTAACAAAC AtacgctCAGCCGCGGTAACAAACA

6830	DNA; Synthetic Construct	TGTTTGTTACCGCGGCTCtacgcttTGTTTGTTACCGCGGCTCtgccgctTGTTTGTT ACCGCGGCTCtgctttTGTTTGTTACCGCGGCTCtgatctTGTTTGTTACCGCGGCT CtacgctTGTTTGTTACCGCGGCTC
6831	DNA; Synthetic Construct	GAGCCGCGGTAACAAACAtacgctGAGCCGCGGTAACAAACAtgccgctGAGCCGCG GTAACAAACAtgctttGAGCCGCGGTAACAAACAtgatctGAGCCGCGGTAACAAAC AtacgctGAGCCGCGGTAACAAACA
6832	DNA; Synthetic Construct	TGTTTCTCACCGCGGCTGtacgcttTGTTTCTCACCGCGGCTGtgccgctTGTTTCTC ACCGCGGCTGtgctttTGTTTCTCACCGCGGCTGtgatctTGTTTCTCACCGCGGCT GtacgctTGTTTCTCACCGCGGCTG
6833	DNA; Synthetic Construct	CAGCCGCGGTGAGAAACAtacgctCAGCCGCGGTGAGAAACAtgccgctCAGCCGCG GTGAGAAACAtgctttCAGCCGCGGTGAGAAACAtgatctCAGCCGCGGTGAGAAAC AtacgctCAGCCGCGGTGAGAAACA
6834	DNA; Synthetic Construct	TGTTTCTCACCGCGGCTCtacgcttTGTTTCTCACCGCGGCTCtgccgctTGTTTCTC ACCGCGGCTCtgctttTGTTTCTCACCGCGGCTCtgatctTGTTTCTCACCGCGGCT CtacgctTGTTTCTCACCGCGGCTC
6835	DNA; Synthetic Construct	GAGCCGCGGTGAGAAACAtacgctGAGCCGCGGTGAGAAACAtgccgctGAGCCGCG GTGAGAAACAtgctttGAGCCGCGGTGAGAAACAtgatctGAGCCGCGGTGAGAAAC AtacgctGAGCCGCGGTGAGAAACA
6836	DNA; Synthetic Construct	TGTTTCTTACCGCGGCTGtacgcttTGTTTCTTACCGCGGCTGtgccgctTGTTTCTT ACCGCGGCTGtgctttTGTTTCTTACCGCGGCTGtgatctTGTTTCTTACCGCGGCT GtacgctTGTTTCTTACCGCGGCTG
6837	DNA; Synthetic Construct	CAGCCGCGGTAAGAAACAtacgctCAGCCGCGGTAAGAAACAtgccgctCAGCCGCG GTAAGAAACAtgctttCAGCCGCGGTAAGAAACAtgatctCAGCCGCGGTAAGAAAC AtacgctCAGCCGCGGTAAGAAACA
6838	DNA; Synthetic Construct	TGTTTCTTACCGCGGCTCtacgcttTGTTTCTTACCGCGGCTCtgccgctTGTTTCTT ACCGCGGCTCtgctttTGTTTCTTACCGCGGCTCtgatctTGTTTCTTACCGCGGCT CtacgctTGTTTCTTACCGCGGCTC
6839	DNA; Synthetic Construct	GAGCCGCGGTAAGAAACAtacgctGAGCCGCGGTAAGAAACAtgccgctGAGCCGCG GTAAGAAACAtgctttGAGCCGCGGTAAGAAACAtgatctGAGCCGCGGTAAGAAAC AtacgctGAGCCGCGGTAAGAAACA
6840	DNA; Synthetic Construct	AAGGGCGGGGCCtgctttAAGGGCGGGGCCtgatctAAGGGCGGGGCCtacgctAAG GGCGGGGCCtgccgctAAGGGCGGGGCCtgctttAAGGGCGGGGCCtgatctAAGGG CGGGGCCtacgctAAGGGCGGGGCC
6841	DNA; Synthetic Construct	GGCCCCGCCCTTtgctttGGCCCCGCCCTTtgatctGGCCCCGCCCTTtacgctGGC CCCGCCCTTtgccgctGGCCCCGCCCTTtgctttGGCCCCGCCCTTtgatctGGCCC CGCCCTTtacgctGGCCCCGCCCTT
6842	DNA; Synthetic Construct	AAGGGCGGGGCTtgctttAAGGGCGGGGCTtgatctAAGGGCGGGGCTtacgctAAG GGCGGGGCTtgccgctAAGGGCGGGGCTtgctttAAGGGCGGGGCTtgatctAAGGG CGGGGCTtacgctAAGGGCGGGGCT
6843	DNA; Synthetic Construct	AGCCCCGCCCTTtgctttAGCCCCGCCCTTtgatctAGCCCCGCCCTTtacgctAGC CCCGCCCTTtgccgctAGCCCCGCCCTTtgctttAGCCCCGCCCTTtgatctAGCCC CGCCCTTtacgctAGCCCCGCCCTT
6844	DNA; Synthetic Construct	AAGGGTGGGGCCtgctttAAGGGTGGGGCCtgatctAAGGGTGGGGCCtacgctAAG GGTGGGGCCtgccgctAAGGGTGGGGCCtgctttAAGGGTGGGGCCtgatctAAGGG TGGGGCCtacgctAAGGGTGGGGCC
6845	DNA; Synthetic Construct	GGCCCCACCCTTtgctttGGCCCCACCCTTtgatctGGCCCCACCCTTtacgctGGC CCCACCCTTtgccgctGGCCCCACCCTTtgctttGGCCCCACCCTTtgatctGGCCC CACCCTTtacgctGGCCCCACCCTT
6846	DNA; Synthetic Construct	AAGGGTGGGGCTtgctttAAGGGTGGGGCTtgatctAAGGGTGGGGCTtacgctAAG GGTGGGGCTtgccgctAAGGGTGGGGCTtgctttAAGGGTGGGGCTtgatctAAGGG TGGGGCTtacgctAAGGGTGGGGCT
6847	DNA; Synthetic Construct	AGCCCCACCCTTtgctttAGCCCCACCCTTtgatctAGCCCCACCCTTtacgctAGC CCCACCCTTtgccgctAGCCCCACCCTTtgctttAGCCCCACCCTTtgatctAGCCC CACCCTTtacgctAGCCCCACCCTT

6848	DNA; Synthetic Construct	AGGGGCGGGGCCtgctttAGGGGCGGGGCCtgatctAGGGGCGGGGCCtacgctAGG GGCGGGGCCtgccgctAGGGGCGGGGCCtgctttAGGGGCGGGGCCtgatctAGGGG CGGGGCCtacgctAGGGGCGGGGCC
6849	DNA; Synthetic Construct	GGCCCCGCCCCTtgctttGGCCCCGCCCCTtgatctGGCCCCGCCCCTtacgctGGC CCCGCCCCTtgccgctGGCCCCGCCCCTtgctttGGCCCCGCCCCTtgatctGGCCC CGCCCCTtacgctGGCCCCGCCCCT
6850	DNA; Synthetic Construct	AGGGGCGGGGCTtgctttAGGGGCGGGGCTtgatctAGGGGCGGGGCTtacgctAGG GGCGGGGCTtgccgctAGGGGCGGGGCTtgctttAGGGGCGGGGCTtgatctAGGGG CGGGGCTtacgctAGGGGCGGGGCT
6851	DNA; Synthetic Construct	AGCCCCGCCCCTtgctttAGCCCCGCCCCTtgatctAGCCCCGCCCCTtacgctAGC CCCGCCCCTtgccgctAGCCCCGCCCCTtgctttAGCCCCGCCCCTtgatctAGCCC CGCCCCTtacgctAGCCCCGCCCCT
6852	DNA; Synthetic Construct	AGGGGTGGGGCCtgctttAGGGGTGGGGCCtgatctAGGGGTGGGGCCtacgctAGG GGTGGGGCCtgccgctAGGGGTGGGGCCtgctttAGGGGTGGGGCCtgatctAGGGG TGGGGCCtacgctAGGGGTGGGGCC
6853	DNA; Synthetic Construct	GGCCCCACCCCTtgctttGGCCCCACCCCTtgatctGGCCCCACCCCTtacgctGGC CCCACCCCTtgccgctGGCCCCACCCCTtgctttGGCCCCACCCCTtgatctGGCCC CACCCCTtacgctGGCCCCACCCCT
6854	DNA; Synthetic Construct	AGGGGTGGGGCTtgctttAGGGGTGGGGCTtgatctAGGGGTGGGGCTtacgctAGG GGTGGGGCTtgccgctAGGGGTGGGGCTtgctttAGGGGTGGGGCTtgatctAGGGG TGGGGCTtacgctAGGGGTGGGGCT
6855	DNA; Synthetic Construct	AGCCCCACCCCTtgctttAGCCCCACCCCTtgatctAGCCCCACCCCTtacgctAGC CCCACCCCTtgccgctAGCCCCACCCCTtgctttAGCCCCACCCCTtgatctAGCCC CACCCCTtacgctAGCCCCACCCCT
6856	DNA; Synthetic Construct	ATGGGCGGGGCCtgctttATGGGCGGGGCCtgatctATGGGCGGGGCCtacgctATG GGCGGGGCCtgccgctATGGGCGGGGCCtgctttATGGGCGGGGCCtgatctATGGG CGGGGCCtacgctATGGGCGGGGCC
6857	DNA; Synthetic Construct	GGCCCCGCCCATtgctttGGCCCCGCCCATtgatctGGCCCCGCCCATtacgctGGC CCCGCCCATtgccgctGGCCCCGCCCATtgctttGGCCCCGCCCATtgatctGGCCC CGCCCATtacgctGGCCCCGCCCAT
6858	DNA; Synthetic Construct	ATGGGCGGGGCTtgctttATGGGCGGGGCTtgatctATGGGCGGGGCTtacgctATG GGCGGGGCTtgccgctATGGGCGGGGCTtgctttATGGGCGGGGCTtgatctATGGG CGGGGCTtacgctATGGGCGGGGCT
6859	DNA; Synthetic Construct	AGCCCCGCCCATtgctttAGCCCCGCCCATtgatctAGCCCCGCCCATtacgctAGC CCCGCCCATtgccgctAGCCCCGCCCATtgctttAGCCCCGCCCATtgatctAGCCC CGCCCATtacgctAGCCCCGCCCAT
6860	DNA; Synthetic Construct	ATGGGTGGGGCCtgctttATGGGTGGGGCCtgatctATGGGTGGGGCCtacgctATG GGTGGGGCCtgccgctATGGGTGGGGCCtgctttATGGGTGGGGCCtgatctATGGG TGGGGCCtacgctATGGGTGGGGCC
6861	DNA; Synthetic Construct	GGCCCCACCCATtgctttGGCCCCACCCATtgatctGGCCCCACCCATtacgctGGC CCCACCCATtgccgctGGCCCCACCCATtgctttGGCCCCACCCATtgatctGGCCC CACCCATtacgctGGCCCCACCCAT
6862	DNA; Synthetic Construct	ATGGGTGGGGCTtgctttATGGGTGGGGCTtgatctATGGGTGGGGCTtacgctATG GGTGGGGCTtgccgctATGGGTGGGGCTtgctttATGGGTGGGGCTtgatctATGGG TGGGGCTtacgctATGGGTGGGGCT
6863	DNA; Synthetic Construct	AGCCCCACCCATtgctttAGCCCCACCCATtgatctAGCCCCACCCATtacgctAGC CCCACCCATtgccgctAGCCCCACCCATtgctttAGCCCCACCCATtgatctAGCCC CACCCATtacgctAGCCCCACCCAT
6864	DNA; Synthetic Construct	CAGGGCGGGGCCtgctttCAGGGCGGGGCCtgatctCAGGGCGGGGCCtacgctCAG GGCGGGGCCtgccgctCAGGGCGGGGCCtgctttCAGGGCGGGGCCtgatctCAGGG CGGGGCCtacgctCAGGGCGGGGCC
6865	DNA; Synthetic Construct	GGCCCCGCCCTGtgctttGGCCCCGCCCTGtgatctGGCCCCGCCCTGtacgctGGC CCCGCCCTGtgccgctGGCCCCGCCCTGtgctttGGCCCCGCCCTGtgatctGGCCC CGCCCTGtacgctGGCCCCGCCCTG

6866	DNA; Synthetic Construct	CAGGGCGGGGCTtgctttCAGGGCGGGGCTtgatctCAGGGCGGGGCTtacgctCAG GGCGGGGCTtgccgctCAGGGCGGGGCTtgctttCAGGGCGGGGCTtgatctCAGGG CGGGGCTtacgctCAGGGCGGGGCT
6867	DNA; Synthetic Construct	AGCCCCGCCCTGtgctttAGCCCCGCCCTGtgatctAGCCCCGCCCTGtacgctAGC CCCGCCCTGtgccgctAGCCCCGCCCTGtgctttAGCCCCGCCCTGtgatctAGCCC CGCCCTGtacgctAGCCCCGCCCTG
6868	DNA; Synthetic Construct	CAGGGTGGGGCCtgctttCAGGGTGGGGCCtgatctCAGGGTGGGGCCtacgctCAG GGTGGGGCCtgccgctCAGGGTGGGGCCtgctttCAGGGTGGGGCCtgatctCAGGG TGGGGCCtacgctCAGGGTGGGGCC
6869	DNA; Synthetic Construct	GGCCCCACCCTGtgctttGGCCCCACCCTGtgatctGGCCCCACCCTGtacgctGGC CCCACCCTGtgccgctGGCCCCACCCTGtgctttGGCCCCACCCTGtgatctGGCCC CACCCTGtacgctGGCCCCACCCTG
6870	DNA; Synthetic Construct	CAGGGTGGGGCTtgctttCAGGGTGGGGCTtgatctCAGGGTGGGGCTtacgctCAG GGTGGGGCTtgccgctCAGGGTGGGGCTtgctttCAGGGTGGGGCTtgatctCAGGG TGGGGCTtacgctCAGGGTGGGGCT
6871	DNA; Synthetic Construct	AGCCCCACCCTGtgctttAGCCCCACCCTGtgatctAGCCCCACCCTGtacgctAGC CCCACCCTGtgccgctAGCCCCACCCTGtgctttAGCCCCACCCTGtgatctAGCCC CACCCTGtacgctAGCCCCACCCTG
6872	DNA; Synthetic Construct	CGGGGCGGGGCCtgctttCGGGGCGGGGCCtgatctCGGGGCGGGGCCtacgctCGG GGCGGGGCCtgccgctCGGGGCGGGGCCtgctttCGGGGCGGGGCCtgatctCGGGG CGGGGCCtacgctCGGGGCGGGGCC
6873	DNA; Synthetic Construct	GGCCCCGCCCCGtgctttGGCCCCGCCCCGtgatctGGCCCCGCCCCGtacgctGGC CCCGCCCCGtgccgctGGCCCCGCCCCGtgctttGGCCCCGCCCCGtgatctGGCCC CGCCCCGtacgctGGCCCCGCCCCG
6874	DNA; Synthetic Construct	CGGGGCGGGGCTtgctttCGGGGCGGGGCTtgatctCGGGGCGGGGCTtacgctCGG GGCGGGGCTtgccgctCGGGGCGGGGCTtgctttCGGGGCGGGGCTtgatctCGGGG CGGGGCTtacgctCGGGGCGGGGCT
6875	DNA; Synthetic Construct	AGCCCCGCCCCGtgctttAGCCCCGCCCCGtgatctAGCCCCGCCCCGtacgctAGC CCCGCCCCGtgccgctAGCCCCGCCCCGtgctttAGCCCCGCCCCGtgatctAGCCC CGCCCCGtacgctAGCCCCGCCCCG
6876	DNA; Synthetic Construct	CGGGGTGGGGCCtgctttCGGGGTGGGGCCtgatctCGGGGTGGGGCCtacgctCGG GGTGGGGCCtgccgctCGGGGTGGGGCCtgctttCGGGGTGGGGCCtgatctCGGGG TGGGGCCtacgctCGGGGTGGGGCC
6877	DNA; Synthetic Construct	GGCCCCACCCCGtgctttGGCCCCACCCCGtgatctGGCCCCACCCCGtacgctGGC CCCACCCCGtgccgctGGCCCCACCCCGtgctttGGCCCCACCCCGtgatctGGCCC CACCCCGtacgctGGCCCCACCCCG
6878	DNA; Synthetic Construct	CGGGGTGGGGCTtgctttCGGGGTGGGGCTtgatctCGGGGTGGGGCTtacgctCGG GGTGGGGCTtgccgctCGGGGTGGGGCTtgctttCGGGGTGGGGCTtgatctCGGGG TGGGGCTtacgctCGGGGTGGGGCT
6879	DNA; Synthetic Construct	AGCCCCACCCCGtgctttAGCCCCACCCCGtgatctAGCCCCACCCCGtacgctAGC CCCACCCCGtgccgctAGCCCCACCCCGtgctttAGCCCCACCCCGtgatctAGCCC CACCCCGtacgctAGCCCCACCCCG
6880	DNA; Synthetic Construct	CTGGGCGGGGCCtgctttCTGGGCGGGGCCtgatctCTGGGCGGGGCCtacgctCTG GGCGGGGCCtgccgctCTGGGCGGGGCCtgctttCTGGGCGGGGCCtgatctCTGGG CGGGGCCtacgctCTGGGCGGGGCC
6881	DNA; Synthetic Construct	GGCCCCGCCCAGtgctttGGCCCCGCCCAGtgatctGGCCCCGCCCAGtacgctGGC CCCGCCCAGtgccgctGGCCCCGCCCAGtgctttGGCCCCGCCCAGtgatctGGCCC CGCCCAGtacgctGGCCCCGCCCAG
6882	DNA; Synthetic Construct	CTGGGCGGGGCTtgctttCTGGGCGGGGCTtgatctCTGGGCGGGGCTtacgctCTG GGCGGGGCTtgccgctCTGGGCGGGGCTtgctttCTGGGCGGGGCTtgatctCTGGG CGGGGCTtacgctCTGGGCGGGGCT
6883	DNA; Synthetic Construct	AGCCCCGCCCAGtgctttAGCCCCGCCCAGtgatctAGCCCCGCCCAGtacgctAGC CCCGCCCAGtgccgctAGCCCCGCCCAGtgctttAGCCCCGCCCAGtgatctAGCCC CGCCCAGtacgctAGCCCCGCCCAG

6884	DNA; Synthetic Construct	CTGGGTGGGGCCtgctttCTGGGTGGGGCCtgatctCTGGGTGGGGCCtacgctCTG GGTGGGGCCtgccgctCTGGGTGGGGCCtgctttCTGGGTGGGGCCtgatctCTGGG TGGGGCCtacgctCTGGGTGGGGCC
6885	DNA; Synthetic Construct	GGCCCCACCCAGtgctttGGCCCCACCCAGtgatctGGCCCCACCCAGtacgctGGC CCCACCCAGtgccgctGGCCCCACCCAGtgctttGGCCCCACCCAGtgatctGGCCC CACCCAGtacgctGGCCCCACCCAG
6886	DNA; Synthetic Construct	CTGGGTGGGGCTtgctttCTGGGTGGGGCTtgatctCTGGGTGGGGCTtacgctCTG GGTGGGGCTtgccgctCTGGGTGGGGCTtgctttCTGGGTGGGGCTtgatctCTGGG TGGGGCTtacgctCTGGGTGGGGCT
6887	DNA; Synthetic Construct	AGCCCCACCCAGtgctttAGCCCCACCCAGtgatctAGCCCCACCCAGtacgctAGC CCCACCCAGtgccgctAGCCCCACCCAGtgctttAGCCCCACCCAGtgatctAGCCC CACCCAGtacgctAGCCCCACCCAG
6888	DNA; Synthetic Construct	GAGGGCGGGGCCtgctttGAGGGCGGGGCCtgatctGAGGGCGGGGCCtacgctGAG GGCGGGGCCtgccgctGAGGGCGGGGCCtgctttGAGGGCGGGGCCtgatctGAGGG CGGGGCCtacgctGAGGGCGGGGCC
6889	DNA; Synthetic Construct	GGCCCCGCCCTCtgctttGGCCCCGCCCTCtgatctGGCCCCGCCCTCtacgctGGC CCCGCCCTCtgccgctGGCCCCGCCCTCtgctttGGCCCCGCCCTCtgatctGGCCC CGCCCTCtacgctGGCCCCGCCCTC
6890	DNA; Synthetic Construct	GAGGGCGGGGCTtgctttGAGGGCGGGGCTtgatctGAGGGCGGGGCTtacgctGAG GGCGGGGCTtgccgctGAGGGCGGGGCTtgctttGAGGGCGGGGCTtgatctGAGGG CGGGGCTtacgctGAGGGCGGGGCT
6891	DNA; Synthetic Construct	AGCCCCGCCCTCtgctttAGCCCCGCCCTCtgatctAGCCCCGCCCTCtacgctAGC CCCGCCCTCtgccgctAGCCCCGCCCTCtgctttAGCCCCGCCCTCtgatctAGCCC CGCCCTCtacgctAGCCCCGCCCTC
6892	DNA; Synthetic Construct	GAGGGTGGGGCCtgctttGAGGGTGGGGCCtgatctGAGGGTGGGGCCtacgctGAG GGTGGGGCCtgccgctGAGGGTGGGGCCtgctttGAGGGTGGGGCCtgatctGAGGG TGGGGCCtacgctGAGGGTGGGGCC
6893	DNA; Synthetic Construct	GGCCCCACCCTCtgctttGGCCCCACCCTCtgatctGGCCCCACCCTCtacgctGGC CCCACCCTCtgccgctGGCCCCACCCTCtgctttGGCCCCACCCTCtgatctGGCCC CACCCTCtacgctGGCCCCACCCTC
6894	DNA; Synthetic Construct	GAGGGTGGGGCTtgctttGAGGGTGGGGCTtgatctGAGGGTGGGGCTtacgctGAG GGTGGGGCTtgccgctGAGGGTGGGGCTtgctttGAGGGTGGGGCTtgatctGAGGG TGGGGCTtacgctGAGGGTGGGGCT
6895	DNA; Synthetic Construct	AGCCCCACCCTCtgctttAGCCCCACCCTCtgatctAGCCCCACCCTCtacgctAGC CCCACCCTCtgccgctAGCCCCACCCTCtgctttAGCCCCACCCTCtgatctAGCCC CACCCTCtacgctAGCCCCACCCTC
6896	DNA; Synthetic Construct	GGGGGCGGGGCCtgctttGGGGGCGGGGCCtgatctGGGGGCGGGGCCtacgctGGG GGCGGGGCCtgccgctGGGGGCGGGGCCtgctttGGGGGCGGGGCCtgatctGGGGG CGGGGCCtacgctGGGGGCGGGGCC
6897	DNA; Synthetic Construct	GGCCCCGCCCCCtgctttGGCCCCGCCCCCtgatctGGCCCCGCCCCCtacgctGGC CCCGCCCCCtgccgctGGCCCCGCCCCCtgctttGGCCCCGCCCCCtgatctGGCCC CGCCCCCtacgctGGCCCCGCCCCC
6898	DNA; Synthetic Construct	GGGGGCGGGGCTtgctttGGGGGCGGGGCTtgatctGGGGGCGGGGCTtacgctGGG GGCGGGGCTtgccgctGGGGGCGGGGCTtgctttGGGGGCGGGGCTtgatctGGGGG CGGGGCTtacgctGGGGGCGGGGCT
6899	DNA; Synthetic Construct	AGCCCCGCCCCCtgctttAGCCCCGCCCCCtgatctAGCCCCGCCCCCtacgctAGC CCCGCCCCCtgccgctAGCCCCGCCCCCtgctttAGCCCCGCCCCCtgatctAGCCC CGCCCCCtacgctAGCCCCGCCCCC
6900	DNA; Synthetic Construct	GGGGGTGGGGCCtgctttGGGGGTGGGGCCtgatctGGGGGTGGGGCCtacgctGGG GGTGGGGCCtgccgctGGGGGTGGGGCCtgctttGGGGGTGGGGCCtgatctGGGGG TGGGGCCtacgctGGGGGTGGGGCC
6901	DNA; Synthetic Construct	GGCCCCACCCCCtgctttGGCCCCACCCCCtgatctGGCCCCACCCCCtacgctGGC CCCACCCCCtgccgctGGCCCCACCCCCtgctttGGCCCCACCCCCtgatctGGCCC CACCCCCtacgctGGCCCCACCCCC

6902	DNA; Synthetic Construct	GGGGGTGGGGCTtgctttGGGGGTGGGGCTtgatctGGGGGTGGGGCTtacgctGGG GGTGGGGCTtgccgctGGGGGTGGGGCTtgctttGGGGGTGGGGCTtgatctGGGGG TGGGGCTtacgctGGGGGTGGGGCT
6903	DNA; Synthetic Construct	AGCCCCACCCCCtgctttAGCCCCACCCCCtgatctAGCCCCACCCCCtacgctAGC CCCACCCCCtgccgctAGCCCCACCCCCtgctttAGCCCCACCCCCtgatctAGCCC CACCCCCtacgctAGCCCCACCCCC
6904	DNA; Synthetic Construct	GTGGGCGGGGCCtgctttGTGGGCGGGGCCtgatctGTGGGCGGGGCCtacgctGTG GGCGGGGCCtgccgctGTGGGCGGGGCCtgctttGTGGGCGGGGCCtgatctGTGGG CGGGGCCtacgctGTGGGCGGGGCC
6905	DNA; Synthetic Construct	GGCCCCGCCCACtgctttGGCCCCGCCCACtgatctGGCCCCGCCCACtacgctGGC CCCGCCCACtgccgctGGCCCCGCCCACtgctttGGCCCCGCCCACtgatctGGCCC CGCCCACtacgctGGCCCCGCCCAC
6906	DNA; Synthetic Construct	GTGGGCGGGGCTtgctttGTGGGCGGGGCTtgatctGTGGGCGGGGCTtacgctGTG GGCGGGGCTtgccgctGTGGGCGGGGCTtgctttGTGGGCGGGGCTtgatctGTGGG CGGGGCTtacgctGTGGGCGGGGCT
6907	DNA; Synthetic Construct	AGCCCCGCCCACtgctttAGCCCCGCCCACtgatctAGCCCCGCCCACtacgctAGC CCCGCCCACtgccgctAGCCCCGCCCACtgctttAGCCCCGCCCACtgatctAGCCC CGCCCACtacgctAGCCCCGCCCAC
6908	DNA; Synthetic Construct	GTGGGTGGGGCCtgctttGTGGGTGGGGCCtgatctGTGGGTGGGGCCtacgctGTG GGTGGGGCCtgccgctGTGGGTGGGGCCtgctttGTGGGTGGGGCCtgatctGTGGG TGGGGCCtacgctGTGGGTGGGGCC
6909	DNA; Synthetic Construct	GGCCCCACCCACtgctttGGCCCCACCCACtgatctGGCCCCACCCACtacgctGGC CCCACCCACtgccgctGGCCCCACCCACtgctttGGCCCCACCCACtgatctGGCCC CACCCACtacgctGGCCCCACCCAC
6910	DNA; Synthetic Construct	GTGGGTGGGGCTtgctttGTGGGTGGGGCTtgatctGTGGGTGGGGCTtacgctGTG GGTGGGGCTtgccgctGTGGGTGGGGCTtgctttGTGGGTGGGGCTtgatctGTGGG TGGGGCTtacgctGTGGGTGGGGCT
6911	DNA; Synthetic Construct	AGCCCCACCCACtgctttAGCCCCACCCACtgatctAGCCCCACCCACtacgctAGC CCCACCCACtgccgctAGCCCCACCCACtgctttAGCCCCACCCACtgatctAGCCC CACCCACtacgctAGCCCCACCCAC
6912	DNA; Synthetic Construct	CCTTATCTCtacgctCCTTATCTCtgccgctCCTTATCTCtgctttCCTTATCTCtg atctCCTTATCTCtacgctCCTTATCTCtgccgctCCTTATCTCtgctttCCTTATC TCtgatctCCTTATCTCtacgctCCTTATCTC
6913	DNA; Synthetic Construct	GAGATAAGGtacgctGAGATAAGGtgccgctGAGATAAGGtgctttGAGATAAGGtg atctGAGATAAGGtacgctGAGATAAGGtgccgctGAGATAAGGtgctttGAGATAA GGtgatctGAGATAAGGtacgctGAGATAAGG
6914	DNA; Synthetic Construct	AGGGGGCGGAGCtgctttAGGGGGCGGAGCtgatctAGGGGGCGGAGCtacgctAGG GGGCGGAGCtgccgctAGGGGGCGGAGCtgctttAGGGGGCGGAGCtgatctAGGGG GCGGAGCtacgctAGGGGGCGGAGC
6915	DNA; Synthetic Construct	GCTCCGCCCCCTtgctttGCTCCGCCCCCTtgatctGCTCCGCCCCCTtacgctGCT CCGCCCCCTtgccgctGCTCCGCCCCCTtgctttGCTCCGCCCCCTtgatctGCTCC GCCCCCTtacgctGCTCCGCCCCCT
6916	DNA; Synthetic Construct	AGTGGGCGGAGCtgctttAGTGGGCGGAGCtgatctAGTGGGCGGAGCtacgctAGT GGGCGGAGCtgccgctAGTGGGCGGAGCtgctttAGTGGGCGGAGCtgatctAGTGG GCGGAGCtacgctAGTGGGCGGAGC
6917	DNA; Synthetic Construct	GCTCCGCCCACTtgctttGCTCCGCCCACTtgatctGCTCCGCCCACTtacgctGCT CCGCCCACTtgccgctGCTCCGCCCACTtgctttGCTCCGCCCACTtgatctGCTCC GCCCACTtacgctGCTCCGCCCACT
6918	DNA; Synthetic Construct	GGGGGGCGGAGCtgctttGGGGGGCGGAGCtgatctGGGGGGCGGAGCtacgctGGG GGGCGGAGCtgccgctGGGGGGCGGAGCtgctttGGGGGGCGGAGCtgatctGGGGG GCGGAGCtacgctGGGGGGCGGAGC
6919	DNA; Synthetic Construct	GCTCCGCCCCCCtgctttGCTCCGCCCCCCtgatctGCTCCGCCCCCCtacgctGCT CCGCCCCCCtgccgctGCTCCGCCCCCCtgctttGCTCCGCCCCCCtgatctGCTCC GCCCCCCtacgctGCTCCGCCCCCC

6920	DNA; Synthetic Construct	GGTGGGCGGAGCtgctttGGTGGGCGGAGCtgatctGGTGGGCGGAGCtacgctGGT GGGCGGAGCtgccgctGGTGGGCGGAGCtgctttGGTGGGCGGAGCtgatctGGTGG GCGGAGCtacgctGGTGGGCGGAGC
6921	DNA; Synthetic Construct	GCTCCGCCCACCtgctttGCTCCGCCCACCtgatctGCTCCGCCCACCtacgctGCT CCGCCCACCtgccgctGCTCCGCCCACCtgctttGCTCCGCCCACCtgatctGCTCC GCCCACCtacgctGCTCCGCCCACC
6922	DNA; Synthetic Construct	AACCGCAAACCGCAtgatctAACCGCAAACCGCAtacgctAACCGCAAACCGCAtgc cgctAACCGCAAACCGCAtgctttAACCGCAAACCGCAtgatctAACCGCAAACCGC AtacgctAACCGCAAACCGCA
6923	DNA; Synthetic Construct	TGCGGTTTGCGGTTtgatctTGCGGTTTGCGGTTtacgctTGCGGTTTGCGGTTtgc cgctTGCGGTTTGCGGTTtgctttTGCGGTTTGCGGTTtgatctTGCGGTTTGCGGT TtacgctTGCGGTTTGCGGTT
6924	DNA; Synthetic Construct	GACCGCAAACCGCAtgatctGACCGCAAACCGCAtacgctGACCGCAAACCGCAtgc cgctGACCGCAAACCGCAtgctttGACCGCAAACCGCAtgatctGACCGCAAACCGC AtacgctGACCGCAAACCGCA
6925	DNA; Synthetic Construct	TGCGGTTTGCGGTCtgatctTGCGGTTTGCGGTCtacgctTGCGGTTTGCGGTCtgc cgctTGCGGTTTGCGGTCtgctttTGCGGTTTGCGGTCtgatctTGCGGTTTGCGGT CtacgctTGCGGTTTGCGGTC
6926	DNA; Synthetic Construct	CAACTGtgctttCAACTGtgatctCAACTGtacgctCAACTGtgccgctCAACTGtg ctttCAACTGtgatctCAACTGtacgctCAACTGtgccgctCAACTGtgctttCAAC TGtgatctCAACTGtacgctCAACTG
6927	DNA; Synthetic Construct	CAGTTGtgctttCAGTTGtgatctCAGTTGtacgctCAGTTGtgccgctCAGTTGtg ctttCAGTTGtgatctCAGTTGtacgctCAGTTGtgccgctCAGTTGtgctttCAGT TGtgatctCAGTTGtacgctCAGTTG
6928	DNA; Synthetic Construct	ACAGGATGTGGTtgctttACAGGATGTGGTtgatctACAGGATGTGGTtacgctACA GGATGTGGTtgccgctACAGGATGTGGTtgctttACAGGATGTGGTtgatctACAGG ATGTGGTtacgctACAGGATGTGGT
6929	DNA; Synthetic Construct	ACCACATCCTGTtgctttACCACATCCTGTtgatctACCACATCCTGTtacgctACC ACATCCTGTtgccgctACCACATCCTGTtgctttACCACATCCTGTtgatctACCAC ATCCTGTtacgctACCACATCCTGT
6930	DNA; Synthetic Construct	AAACCGCCAtacgctAAACCGCCAtgccgctAAACCGCCAtgctttAAACCGCCAtg atctAAACCGCCAtacgctAAACCGCCAtgccgctAAACCGCCAtgctttAAACCGC CAtgatctAAACCGCCAtacgctAAACCGCCA
6931	DNA; Synthetic Construct	TGGCGGTTTtacgctTGGCGGTTTtgccgctTGGCGGTTTtgctttTGGCGGTTTtg atctTGGCGGTTTtacgctTGGCGGTTTtgccgctTGGCGGTTTtgctttTGGCGGT TTtgatctTGGCGGTTTtacgctTGGCGGTTT
6932	DNA; Synthetic Construct	AAACCGCCCtacgctAAACCGCCCtgccgctAAACCGCCCtgctttAAACCGCCCtg atctAAACCGCCCtacgctAAACCGCCCtgccgctAAACCGCCCtgctttAAACCGC CCtgatctAAACCGCCCtacgctAAACCGCCC
6933	DNA; Synthetic Construct	GGGCGGTTTtacgctGGGCGGTTTtgccgctGGGCGGTTTtgctttGGGCGGTTTtg atctGGGCGGTTTtacgctGGGCGGTTTtgccgctGGGCGGTTTtgctttGGGCGGT TTtgatctGGGCGGTTTtacgctGGGCGGTTT
6934	DNA; Synthetic Construct	AAACCGCCGtacgctAAACCGCCGtgccgctAAACCGCCGtgctttAAACCGCCGtg atctAAACCGCCGtacgctAAACCGCCGtgccgctAAACCGCCGtgctttAAACCGC CGtgatctAAACCGCCGtacgctAAACCGCCG
6935	DNA; Synthetic Construct	CGGCGGTTTtacgctCGGCGGTTTtgccgctCGGCGGTTTtgctttCGGCGGTTTtg atctCGGCGGTTTtacgctCGGCGGTTTtgccgctCGGCGGTTTtgctttCGGCGGT TTtgatctCGGCGGTTTtacgctCGGCGGTTT
6936	DNA; Synthetic Construct	AAACCGCTAtacgctAAACCGCTAtgccgctAAACCGCTAtgctttAAACCGCTAtg atctAAACCGCTAtacgctAAACCGCTAtgccgctAAACCGCTAtgctttAAACCGC TAtgatctAAACCGCTAtacgctAAACCGCTA
6937	DNA; Synthetic Construct	TAGCGGTTTtacgctTAGCGGTTTtgccgctTAGCGGTTTtgctttTAGCGGTTTtg atctTAGCGGTTTtacgctTAGCGGTTTtgccgctTAGCGGTTTtgctttTAGCGGT TTtgatctTAGCGGTTTtacgctTAGCGGTTT

6938	DNA; Synthetic Construct	AAACCGCTCtacgctAAACCGCTCtgccgctAAACCGCTCtgctttAAACCGCTCtg atctAAACCGCTCtacgctAAACCGCTCtgccgctAAACCGCTCtgctttAAACCGC TCtgatctAAACCGCTCtacgctAAACCGCTC
6939	DNA; Synthetic Construct	GAGCGGTTTtacgctGAGCGGTTTtgccgctGAGCGGTTTtgctttGAGCGGTTTtg atctGAGCGGTTTtacgctGAGCGGTTTtgccgctGAGCGGTTTtgctttGAGCGGT TTtgatctGAGCGGTTTtacgctGAGCGGTTT
6940	DNA; Synthetic Construct	AAACCGCTGtacgctAAACCGCTGtgccgctAAACCGCTGtgctttAAACCGCTGtg atctAAACCGCTGtacgctAAACCGCTGtgccgctAAACCGCTGtgctttAAACCGC TGtgatctAAACCGCTGtacgctAAACCGCTG
6941	DNA; Synthetic Construct	CAGCGGTTTtacgctCAGCGGTTTtgccgctCAGCGGTTTtgctttCAGCGGTTTtg atctCAGCGGTTTtacgctCAGCGGTTTtgccgctCAGCGGTTTtgctttCAGCGGT TTtgatctCAGCGGTTTtacgctCAGCGGTTT
6942	DNA; Synthetic Construct	AAACCGTCAtacgctAAACCGTCAtgccgctAAACCGTCAtgctttAAACCGTCAtg atctAAACCGTCAtacgctAAACCGTCAtgccgctAAACCGTCAtgctttAAACCGT CAtgatctAAACCGTCAtacgctAAACCGTCA
6943	DNA; Synthetic Construct	TGACGGTTTtacgctTGACGGTTTtgccgctTGACGGTTTtgctttTGACGGTTTtg atctTGACGGTTTtacgctTGACGGTTTtgccgctTGACGGTTTtgctttTGACGGT TTtgatctTGACGGTTTtacgctTGACGGTTT
6944	DNA; Synthetic Construct	AAACCGTCCtacgctAAACCGTCCtgccgctAAACCGTCCtgctttAAACCGTCCtg atctAAACCGTCCtacgctAAACCGTCCtgccgctAAACCGTCCtgctttAAACCGT CCtgatctAAACCGTCCtacgctAAACCGTCC
6945	DNA; Synthetic Construct	GGACGGTTTtacgctGGACGGTTTtgccgctGGACGGTTTtgctttGGACGGTTTtg atctGGACGGTTTtacgctGGACGGTTTtgccgctGGACGGTTTtgctttGGACGGT TTtgatctGGACGGTTTtacgctGGACGGTTT
6946	DNA; Synthetic Construct	AAACCGTCGtacgctAAACCGTCGtgccgctAAACCGTCGtgctttAAACCGTCGtg atctAAACCGTCGtacgctAAACCGTCGtgccgctAAACCGTCGtgctttAAACCGT CGtgatctAAACCGTCGtacgctAAACCGTCG
6947	DNA; Synthetic Construct	CGACGGTTTtacgctCGACGGTTTtgccgctCGACGGTTTtgctttCGACGGTTTtg atctCGACGGTTTtacgctCGACGGTTTtgccgctCGACGGTTTtgctttCGACGGT TTtgatctCGACGGTTTtacgctCGACGGTTT
6948	DNA; Synthetic Construct	AAACCGTTAtacgctAAACCGTTAtgccgctAAACCGTTAtgctttAAACCGTTAtg atctAAACCGTTAtacgctAAACCGTTAtgccgctAAACCGTTAtgctttAAACCGT TAtgatctAAACCGTTAtacgctAAACCGTTA
6949	DNA; Synthetic Construct	TAACGGTTTtacgctTAACGGTTTtgccgctTAACGGTTTtgctttTAACGGTTTtg atctTAACGGTTTtacgctTAACGGTTTtgccgctTAACGGTTTtgctttTAACGGT TTtgatctTAACGGTTTtacgctTAACGGTTT
6950	DNA; Synthetic Construct	AAACCGTTCtacgctAAACCGTTCtgccgctAAACCGTTCtgctttAAACCGTTCtg atctAAACCGTTCtacgctAAACCGTTCtgccgctAAACCGTTCtgctttAAACCGT TCtgatctAAACCGTTCtacgctAAACCGTTC
6951	DNA; Synthetic Construct	GAACGGTTTtacgctGAACGGTTTtgccgctGAACGGTTTtgctttGAACGGTTTtg atctGAACGGTTTtacgctGAACGGTTTtgccgctGAACGGTTTtgctttGAACGGT TTtgatctGAACGGTTTtacgctGAACGGTTT
6952	DNA; Synthetic Construct	AAACCGTTGtacgctAAACCGTTGtgccgctAAACCGTTGtgctttAAACCGTTGtg atctAAACCGTTGtacgctAAACCGTTGtgccgctAAACCGTTGtgctttAAACCGT TGtgatctAAACCGTTGtacgctAAACCGTTG
6953	DNA; Synthetic Construct	CAACGGTTTtacgctCAACGGTTTtgccgctCAACGGTTTtgctttCAACGGTTTtg atctCAACGGTTTtacgctCAACGGTTTtgccgctCAACGGTTTtgctttCAACGGT TTtgatctCAACGGTTTtacgctCAACGGTTT
6954	DNA; Synthetic Construct	AAACGGCCAtacgctAAACGGCCAtgccgctAAACGGCCAtgctttAAACGGCCAtg atctAAACGGCCAtacgctAAACGGCCAtgccgctAAACGGCCAtgctttAAACGGC CAtgatctAAACGGCCAtacgctAAACGGCCA
6955	DNA; Synthetic Construct	TGGCCGTTTtacgctTGGCCGTTTtgccgctTGGCCGTTTtgctttTGGCCGTTTtg atctTGGCCGTTTtacgctTGGCCGTTTtgccgctTGGCCGTTTtgctttTGGCCGT TTtgatctTGGCCGTTTtacgctTGGCCGTTT

6956	DNA; Synthetic Construct	AAACGGCCCtacgctAAACGGCCCtgccgctAAACGGCCCtgctttAAACGGCCCtg atctAAACGGCCCtacgctAAACGGCCCtgccgctAAACGGCCCtgctttAAACGGC CCtgatctAAACGGCCCtacgctAAACGGCCC
6957	DNA; Synthetic Construct	GGGCCGTTTtacgctGGGCCGTTTtgccgctGGGCCGTTTtgctttGGGCCGTTTtg atctGGGCCGTTTtacgctGGGCCGTTTtgccgctGGGCCGTTTtgctttGGGCCGT TTtgatctGGGCCGTTTtacgctGGGCCGTTT
6958	DNA; Synthetic Construct	AAACGGCCGtacgctAAACGGCCGtgccgctAAACGGCCGtgctttAAACGGCCGtg atctAAACGGCCGtacgctAAACGGCCGtgccgctAAACGGCCGtgctttAAACGGC CGtgatctAAACGGCCGtacgctAAACGGCCG
6959	DNA; Synthetic Construct	CGGCCGTTTtacgctCGGCCGTTTtgccgctCGGCCGTTTtgctttCGGCCGTTTtg atctCGGCCGTTTtacgctCGGCCGTTTtgccgctCGGCCGTTTtgctttCGGCCGT TTtgatctCGGCCGTTTtacgctCGGCCGTTT
6960	DNA; Synthetic Construct	AAACGGCTAtacgctAAACGGCTAtgccgctAAACGGCTAtgctttAAACGGCTAtg atctAAACGGCTAtacgctAAACGGCTAtgccgctAAACGGCTAtgctttAAACGGC TAtgatctAAACGGCTAtacgctAAACGGCTA
6961	DNA; Synthetic Construct	TAGCCGTTTtacgctTAGCCGTTTtgccgctTAGCCGTTTtgctttTAGCCGTTTtg atctTAGCCGTTTtacgctTAGCCGTTTtgccgctTAGCCGTTTtgctttTAGCCGT TTtgatctTAGCCGTTTtacgctTAGCCGTTT
6962	DNA; Synthetic Construct	AAACGGCTCtacgctAAACGGCTCtgccgctAAACGGCTCtgctttAAACGGCTCtg atctAAACGGCTCtacgctAAACGGCTCtgccgctAAACGGCTCtgctttAAACGGC TCtgatctAAACGGCTCtacgctAAACGGCTC
6963	DNA; Synthetic Construct	GAGCCGTTTtacgctGAGCCGTTTtgccgctGAGCCGTTTtgctttGAGCCGTTTtg atctGAGCCGTTTtacgctGAGCCGTTTtgccgctGAGCCGTTTtgctttGAGCCGT TTtgatctGAGCCGTTTtacgctGAGCCGTTT
6964	DNA; Synthetic Construct	AAACGGCTGtacgctAAACGGCTGtgccgctAAACGGCTGtgctttAAACGGCTGtg atctAAACGGCTGtacgctAAACGGCTGtgccgctAAACGGCTGtgctttAAACGGC TGtgatctAAACGGCTGtacgctAAACGGCTG
6965	DNA; Synthetic Construct	CAGCCGTTTtacgctCAGCCGTTTtgccgctCAGCCGTTTtgctttCAGCCGTTTtg atctCAGCCGTTTtacgctCAGCCGTTTtgccgctCAGCCGTTTtgctttCAGCCGT TTtgatctCAGCCGTTTtacgctCAGCCGTTT
6966	DNA; Synthetic Construct	AAACGGTCAtacgctAAACGGTCAtgccgctAAACGGTCAtgctttAAACGGTCAtg atctAAACGGTCAtacgctAAACGGTCAtgccgctAAACGGTCAtgctttAAACGGT CAtgatctAAACGGTCAtacgctAAACGGTCA
6967	DNA; Synthetic Construct	TGACCGTTTtacgctTGACCGTTTtgccgctTGACCGTTTtgctttTGACCGTTTtg atctTGACCGTTTtacgctTGACCGTTTtgccgctTGACCGTTTtgctttTGACCGT TTtgatctTGACCGTTTtacgctTGACCGTTT
6968	DNA; Synthetic Construct	AAACGGTCCtacgctAAACGGTCCtgccgctAAACGGTCCtgctttAAACGGTCCtg atctAAACGGTCCtacgctAAACGGTCCtgccgctAAACGGTCCtgctttAAACGGT CCtgatctAAACGGTCCtacgctAAACGGTCC
6969	DNA; Synthetic Construct	GGACCGTTTtacgctGGACCGTTTtgccgctGGACCGTTTtgctttGGACCGTTTtg atctGGACCGTTTtacgctGGACCGTTTtgccgctGGACCGTTTtgctttGGACCGT TTtgatctGGACCGTTTtacgctGGACCGTTT
6970	DNA; Synthetic Construct	AAACGGTCGtacgctAAACGGTCGtgccgctAAACGGTCGtgctttAAACGGTCGtg atctAAACGGTCGtacgctAAACGGTCGtgccgctAAACGGTCGtgctttAAACGGT CGtgatctAAACGGTCGtacgctAAACGGTCG
6971	DNA; Synthetic Construct	CGACCGTTTtacgctCGACCGTTTtgccgctCGACCGTTTtgctttCGACCGTTTtg atctCGACCGTTTtacgctCGACCGTTTtgccgctCGACCGTTTtgctttCGACCGT TTtgatctCGACCGTTTtacgctCGACCGTTT
6972	DNA; Synthetic Construct	AAACGGTTAtacgctAAACGGTTAtgccgctAAACGGTTAtgctttAAACGGTTAtg atctAAACGGTTAtacgctAAACGGTTAtgccgctAAACGGTTAtgctttAAACGGT TAtgatctAAACGGTTAtacgctAAACGGTTA
6973	DNA; Synthetic Construct	TAACCGTTTtacgctTAACCGTTTtgccgctTAACCGTTTtgctttTAACCGTTTtg atctTAACCGTTTtacgctTAACCGTTTtgccgctTAACCGTTTtgctttTAACCGT TTtgatctTAACCGTTTtacgctTAACCGTTT

6974	DNA; Synthetic Construct	AAACGGTTCtacgctAAACGGTTCtgccgctAAACGGTTCtgctttAAACGGTTCtg atctAAACGGTTCtacgctAAACGGTTCtgccgctAAACGGTTCtgctttAAACGGT TCtgatctAAACGGTTCtacgctAAACGGTTC
6975	DNA; Synthetic Construct	GAACCGTTTtacgctGAACCGTTTtgccgctGAACCGTTTtgctttGAACCGTTTtg atctGAACCGTTTtacgctGAACCGTTTtgccgctGAACCGTTTtgctttGAACCGT TTtgatctGAACCGTTTtacgctGAACCGTTT
6976	DNA; Synthetic Construct	AAACGGTTGtacgctAAACGGTTGtgccgctAAACGGTTGtgctttAAACGGTTGtg atctAAACGGTTGtacgctAAACGGTTGtgccgctAAACGGTTGtgctttAAACGGT TGtgatctAAACGGTTGtacgctAAACGGTTG
6977	DNA; Synthetic Construct	CAACCGTTTtacgctCAACCGTTTtgccgctCAACCGTTTtgctttCAACCGTTTtg atctCAACCGTTTtacgctCAACCGTTTtgccgctCAACCGTTTtgctttCAACCGT TTtgatctCAACCGTTTtacgctCAACCGTTT
6978	DNA; Synthetic Construct	AAACTGCCAtacgctAAACTGCCAtgccgctAAACTGCCAtgctttAAACTGCCAtg atctAAACTGCCAtacgctAAACTGCCAtgccgctAAACTGCCAtgctttAAACTGC CAtgatctAAACTGCCAtacgctAAACTGCCA
6979	DNA; Synthetic Construct	TGGCAGTTTtacgctTGGCAGTTTtgccgctTGGCAGTTTtgctttTGGCAGTTTtg atctTGGCAGTTTtacgctTGGCAGTTTtgccgctTGGCAGTTTtgctttTGGCAGT TTtgatctTGGCAGTTTtacgctTGGCAGTTT
6980	DNA; Synthetic Construct	AAACTGCCCtacgctAAACTGCCCtgccgctAAACTGCCCtgctttAAACTGCCCtg atctAAACTGCCCtacgctAAACTGCCCtgccgctAAACTGCCCtgctttAAACTGC CCtgatctAAACTGCCCtacgctAAACTGCCC
6981	DNA; Synthetic Construct	GGGCAGTTTtacgctGGGCAGTTTtgccgctGGGCAGTTTtgctttGGGCAGTTTtg atctGGGCAGTTTtacgctGGGCAGTTTtgccgctGGGCAGTTTtgctttGGGCAGT TTtgatctGGGCAGTTTtacgctGGGCAGTTT
6982	DNA; Synthetic Construct	AAACTGCCGtacgctAAACTGCCGtgccgctAAACTGCCGtgctttAAACTGCCGtg atctAAACTGCCGtacgctAAACTGCCGtgccgctAAACTGCCGtgctttAAACTGC CGtgatctAAACTGCCGtacgctAAACTGCCG
6983	DNA; Synthetic Construct	CGGCAGTTTtacgctCGGCAGTTTtgccgctCGGCAGTTTtgctttCGGCAGTTTtg atctCGGCAGTTTtacgctCGGCAGTTTtgccgctCGGCAGTTTtgctttCGGCAGT TTtgatctCGGCAGTTTtacgctCGGCAGTTT
6984	DNA; Synthetic Construct	AAACTGCTAtacgctAAACTGCTAtgccgctAAACTGCTAtgctttAAACTGCTAtg atctAAACTGCTAtacgctAAACTGCTAtgccgctAAACTGCTAtgctttAAACTGC TAtgatctAAACTGCTAtacgctAAACTGCTA
6985	DNA; Synthetic Construct	TAGCAGTTTtacgctTAGCAGTTTtgccgctTAGCAGTTTtgctttTAGCAGTTTtg atctTAGCAGTTTtacgctTAGCAGTTTtgccgctTAGCAGTTTtgctttTAGCAGT TTtgatctTAGCAGTTTtacgctTAGCAGTTT
6986	DNA; Synthetic Construct	AAACTGCTCtacgctAAACTGCTCtgccgctAAACTGCTCtgctttAAACTGCTCtg atctAAACTGCTCtacgctAAACTGCTCtgccgctAAACTGCTCtgctttAAACTGC TCtgatctAAACTGCTCtacgctAAACTGCTC
6987	DNA; Synthetic Construct	GAGCAGTTTtacgctGAGCAGTTTtgccgctGAGCAGTTTtgctttGAGCAGTTTtg atctGAGCAGTTTtacgctGAGCAGTTTtgccgctGAGCAGTTTtgctttGAGCAGT TTtgatctGAGCAGTTTtacgctGAGCAGTTT
6988	DNA; Synthetic Construct	AAACTGCTGtacgctAAACTGCTGtgccgctAAACTGCTGtgctttAAACTGCTGtg atctAAACTGCTGtacgctAAACTGCTGtgccgctAAACTGCTGtgctttAAACTGC TGtgatctAAACTGCTGtacgctAAACTGCTG
6989	DNA; Synthetic Construct	CAGCAGTTTtacgctCAGCAGTTTtgccgctCAGCAGTTTtgctttCAGCAGTTTtg atctCAGCAGTTTtacgctCAGCAGTTTtgccgctCAGCAGTTTtgctttCAGCAGT TTtgatctCAGCAGTTTtacgctCAGCAGTTT
6990	DNA; Synthetic Construct	AAACTGTCAtacgctAAACTGTCAtgccgctAAACTGTCAtgctttAAACTGTCAtg atctAAACTGTCAtacgctAAACTGTCAtgccgctAAACTGTCAtgctttAAACTGT CAtgatctAAACTGTCAtacgctAAACTGTCA
6991	DNA; Synthetic Construct	TGACAGTTTtacgctTGACAGTTTtgccgctTGACAGTTTtgctttTGACAGTTTtg atctTGACAGTTTtacgctTGACAGTTTtgccgctTGACAGTTTtgctttTGACAGT TTtgatctTGACAGTTTtacgctTGACAGTTT

6992	DNA; Synthetic Construct	AAACTGTCCtacgctAAACTGTCCtgccgctAAACTGTCCtgctttAAACTGTCCtg atctAAACTGTCCtacgctAAACTGTCCtgccgctAAACTGTCCtgctttAAACTGT CCtgatctAAACTGTCCtacgctAAACTGTCC
6993	DNA; Synthetic Construct	GGACAGTTTtacgctGGACAGTTTtgccgctGGACAGTTTtgctttGGACAGTTTtg atctGGACAGTTTtacgctGGACAGTTTtgccgctGGACAGTTTtgctttGGACAGT TTtgatctGGACAGTTTtacgctGGACAGTTT
6994	DNA; Synthetic Construct	AAACTGTCGtacgctAAACTGTCGtgccgctAAACTGTCGtgctttAAACTGTCGtg atctAAACTGTCGtacgctAAACTGTCGtgccgctAAACTGTCGtgctttAAACTGT CGtgatctAAACTGTCGtacgctAAACTGTCG
6995	DNA; Synthetic Construct	CGACAGTTTtacgctCGACAGTTTtgccgctCGACAGTTTtgctttCGACAGTTTtg atctCGACAGTTTtacgctCGACAGTTTtgccgctCGACAGTTTtgctttCGACAGT TTtgatctCGACAGTTTtacgctCGACAGTTT
6996	DNA; Synthetic Construct	AAACTGTTAtacgctAAACTGTTAtgccgctAAACTGTTAtgctttAAACTGTTAtg atctAAACTGTTAtacgctAAACTGTTAtgccgctAAACTGTTAtgctttAAACTGT TAtgatctAAACTGTTAtacgctAAACTGTTA
6997	DNA; Synthetic Construct	TAACAGTTTtacgctTAACAGTTTtgccgctTAACAGTTTtgctttTAACAGTTTtg atctTAACAGTTTtacgctTAACAGTTTtgccgctTAACAGTTTtgctttTAACAGT TTtgatctTAACAGTTTtacgctTAACAGTTT
6998	DNA; Synthetic Construct	AAACTGTTCtacgctAAACTGTTCtgccgctAAACTGTTCtgctttAAACTGTTCtg atctAAACTGTTCtacgctAAACTGTTCtgccgctAAACTGTTCtgctttAAACTGT TCtgatctAAACTGTTCtacgctAAACTGTTC
6999	DNA; Synthetic Construct	GAACAGTTTtacgctGAACAGTTTtgccgctGAACAGTTTtgctttGAACAGTTTtg atctGAACAGTTTtacgctGAACAGTTTtgccgctGAACAGTTTtgctttGAACAGT TTtgatctGAACAGTTTtacgctGAACAGTTT
7000	DNA; Synthetic Construct	AAACTGTTGtacgctAAACTGTTGtgccgctAAACTGTTGtgctttAAACTGTTGtg atctAAACTGTTGtacgctAAACTGTTGtgccgctAAACTGTTGtgctttAAACTGT TGtgatctAAACTGTTGtacgctAAACTGTTG
7001	DNA; Synthetic Construct	CAACAGTTTtacgctCAACAGTTTtgccgctCAACAGTTTtgctttCAACAGTTTtg atctCAACAGTTTtacgctCAACAGTTTtgccgctCAACAGTTTtgctttCAACAGT TTtgatctCAACAGTTTtacgctCAACAGTTT
7002	DNA; Synthetic Construct	CAACCGCCAtacgctCAACCGCCAtgccgctCAACCGCCAtgctttCAACCGCCAtg atctCAACCGCCAtacgctCAACCGCCAtgccgctCAACCGCCAtgctttCAACCGC CAtgatctCAACCGCCAtacgctCAACCGCCA
7003	DNA; Synthetic Construct	TGGCGGTTGtacgctTGGCGGTTGtgccgctTGGCGGTTGtgctttTGGCGGTTGtg atctTGGCGGTTGtacgctTGGCGGTTGtgccgctTGGCGGTTGtgctttTGGCGGT TGtgatctTGGCGGTTGtacgctTGGCGGTTG
7004	DNA; Synthetic Construct	CAACCGCCCtacgctCAACCGCCCtgccgctCAACCGCCCtgctttCAACCGCCCtg atctCAACCGCCCtacgctCAACCGCCCtgccgctCAACCGCCCtgctttCAACCGC CCtgatctCAACCGCCCtacgctCAACCGCCC
7005	DNA; Synthetic Construct	GGGCGGTTGtacgctGGGCGGTTGtgccgctGGGCGGTTGtgctttGGGCGGTTGtg atctGGGCGGTTGtacgctGGGCGGTTGtgccgctGGGCGGTTGtgctttGGGCGGT TGtgatctGGGCGGTTGtacgctGGGCGGTTG
7006	DNA; Synthetic Construct	CAACCGCCGtacgctCAACCGCCGtgccgctCAACCGCCGtgctttCAACCGCCGtg atctCAACCGCCGtacgctCAACCGCCGtgccgctCAACCGCCGtgctttCAACCGC CGtgatctCAACCGCCGtacgctCAACCGCCG
7007	DNA; Synthetic Construct	CGGCGGTTGtacgctCGGCGGTTGtgccgctCGGCGGTTGtgctttCGGCGGTTGtg atctCGGCGGTTGtacgctCGGCGGTTGtgccgctCGGCGGTTGtgctttCGGCGGT TGtgatctCGGCGGTTGtacgctCGGCGGTTG
7008	DNA; Synthetic Construct	CAACCGCTAtacgctCAACCGCTAtgccgctCAACCGCTAtgctttCAACCGCTAtg atctCAACCGCTAtacgctCAACCGCTAtgccgctCAACCGCTAtgctttCAACCGC TAtgatctCAACCGCTAtacgctCAACCGCTA
7009	DNA; Synthetic Construct	TAGCGGTTGtacgctTAGCGGTTGtgccgctTAGCGGTTGtgctttTAGCGGTTGtg atctTAGCGGTTGtacgctTAGCGGTTGtgccgctTAGCGGTTGtgctttTAGCGGT TGtgatctTAGCGGTTGtacgctTAGCGGTTG

7010	DNA; Synthetic Construct	CAACCGCTCtacgctCAACCGCTCtgccgctCAACCGCTCtgctttCAACCGCTCtg atctCAACCGCTCtacgctCAACCGCTCtgccgctCAACCGCTCtgctttCAACCGC TCtgatctCAACCGCTCtacgctCAACCGCTC
7011	DNA; Synthetic Construct	GAGCGGTTGtacgctGAGCGGTTGtgccgctGAGCGGTTGtgctttGAGCGGTTGtg atctGAGCGGTTGtacgctGAGCGGTTGtgccgctGAGCGGTTGtgctttGAGCGGT TGtgatctGAGCGGTTGtacgctGAGCGGTTG
7012	DNA; Synthetic Construct	CAACCGCTGtacgctCAACCGCTGtgccgctCAACCGCTGtgctttCAACCGCTGtg atctCAACCGCTGtacgctCAACCGCTGtgccgctCAACCGCTGtgctttCAACCGC TGtgatctCAACCGCTGtacgctCAACCGCTG
7013	DNA; Synthetic Construct	CAGCGGTTGtacgctCAGCGGTTGtgccgctCAGCGGTTGtgctttCAGCGGTTGtg atctCAGCGGTTGtacgctCAGCGGTTGtgccgctCAGCGGTTGtgctttCAGCGGT TGtgatctCAGCGGTTGtacgctCAGCGGTTG
7014	DNA; Synthetic Construct	CAACCGTCAtacgctCAACCGTCAtgccgctCAACCGTCAtgctttCAACCGTCAtg atctCAACCGTCAtacgctCAACCGTCAtgccgctCAACCGTCAtgctttCAACCGT CAtgatctCAACCGTCAtacgctCAACCGTCA
7015	DNA; Synthetic Construct	TGACGGTTGtacgctTGACGGTTGtgccgctTGACGGTTGtgctttTGACGGTTGtg atctTGACGGTTGtacgctTGACGGTTGtgccgctTGACGGTTGtgctttTGACGGT TGtgatctTGACGGTTGtacgctTGACGGTTG
7016	DNA; Synthetic Construct	CAACCGTCCtacgctCAACCGTCCtgccgctCAACCGTCCtgctttCAACCGTCCtg atctCAACCGTCCtacgctCAACCGTCCtgccgctCAACCGTCCtgctttCAACCGT CCtgatctCAACCGTCCtacgctCAACCGTCC
7017	DNA; Synthetic Construct	GGACGGTTGtacgctGGACGGTTGtgccgctGGACGGTTGtgctttGGACGGTTGtg atctGGACGGTTGtacgctGGACGGTTGtgccgctGGACGGTTGtgctttGGACGGT TGtgatctGGACGGTTGtacgctGGACGGTTG
7018	DNA; Synthetic Construct	CAACCGTCGtacgctCAACCGTCGtgccgctCAACCGTCGtgctttCAACCGTCGtg atctCAACCGTCGtacgctCAACCGTCGtgccgctCAACCGTCGtgctttCAACCGT CGtgatctCAACCGTCGtacgctCAACCGTCG
7019	DNA; Synthetic Construct	CGACGGTTGtacgctCGACGGTTGtgccgctCGACGGTTGtgctttCGACGGTTGtg atctCGACGGTTGtacgctCGACGGTTGtgccgctCGACGGTTGtgctttCGACGGT TGtgatctCGACGGTTGtacgctCGACGGTTG
7020	DNA; Synthetic Construct	CAACCGTTAtacgctCAACCGTTAtgccgctCAACCGTTAtgctttCAACCGTTAtg atctCAACCGTTAtacgctCAACCGTTAtgccgctCAACCGTTAtgctttCAACCGT TAtgatctCAACCGTTAtacgctCAACCGTTA
7021	DNA; Synthetic Construct	TAACGGTTGtacgctTAACGGTTGtgccgctTAACGGTTGtgctttTAACGGTTGtg atctTAACGGTTGtacgctTAACGGTTGtgccgctTAACGGTTGtgctttTAACGGT TGtgatctTAACGGTTGtacgctTAACGGTTG
7022	DNA; Synthetic Construct	CAACCGTTCtacgctCAACCGTTCtgccgctCAACCGTTCtgctttCAACCGTTCtg atctCAACCGTTCtacgctCAACCGTTCtgccgctCAACCGTTCtgctttCAACCGT TCtgatctCAACCGTTCtacgctCAACCGTTC
7023	DNA; Synthetic Construct	GAACGGTTGtacgctGAACGGTTGtgccgctGAACGGTTGtgctttGAACGGTTGtg atctGAACGGTTGtacgctGAACGGTTGtgccgctGAACGGTTGtgctttGAACGGT TGtgatctGAACGGTTGtacgctGAACGGTTG
7024	DNA; Synthetic Construct	CAACCGTTGtacgctCAACCGTTGtgccgctCAACCGTTGtgctttCAACCGTTGtg atctCAACCGTTGtacgctCAACCGTTGtgccgctCAACCGTTGtgctttCAACCGT TGtgatctCAACCGTTGtacgctCAACCGTTG
7025	DNA; Synthetic Construct	CAACGGTTGtacgctCAACGGTTGtgccgctCAACGGTTGtgctttCAACGGTTGtg atctCAACGGTTGtacgctCAACGGTTGtgccgctCAACGGTTGtgctttCAACGGT TGtgatctCAACGGTTGtacgctCAACGGTTG
7026	DNA; Synthetic Construct	CAACGGCCAtacgctCAACGGCCAtgccgctCAACGGCCAtgctttCAACGGCCAtg atctCAACGGCCAtacgctCAACGGCCAtgccgctCAACGGCCAtgctttCAACGGC CAtgatctCAACGGCCAtacgctCAACGGCCA
7027	DNA; Synthetic Construct	TGGCCGTTGtacgctTGGCCGTTGtgccgctTGGCCGTTGtgctttTGGCCGTTGtg atctTGGCCGTTGtacgctTGGCCGTTGtgccgctTGGCCGTTGtgctttTGGCCGT TGtgatctTGGCCGTTGtacgctTGGCCGTTG

7028	DNA; Synthetic Construct	CAACGGCCCtacgctCAACGGCCCtgccgctCAACGGCCCtgctttCAACGGCCCtg atctCAACGGCCCtacgctCAACGGCCCtgccgctCAACGGCCCtgctttCAACGGC CCtgatctCAACGGCCCtacgctCAACGGCCC
7029	DNA; Synthetic Construct	GGGCCGTTGtacgctGGGCCGTTGtgccgctGGGCCGTTGtgctttGGGCCGTTGtg atctGGGCCGTTGtacgctGGGCCGTTGtgccgctGGGCCGTTGtgctttGGGCCGT TGtgatctGGGCCGTTGtacgctGGGCCGTTG
7030	DNA; Synthetic Construct	CAACGGCCGtacgctCAACGGCCGtgccgctCAACGGCCGtgctttCAACGGCCGtg atctCAACGGCCGtacgctCAACGGCCGtgccgctCAACGGCCGtgctttCAACGGC CGtgatctCAACGGCCGtacgctCAACGGCCG
7031	DNA; Synthetic Construct	CGGCCGTTGtacgctCGGCCGTTGtgccgctCGGCCGTTGtgctttCGGCCGTTGtg atctCGGCCGTTGtacgctCGGCCGTTGtgccgctCGGCCGTTGtgctttCGGCCGT TGtgatctCGGCCGTTGtacgctCGGCCGTTG
7032	DNA; Synthetic Construct	CAACGGCTAtacgctCAACGGCTAtgccgctCAACGGCTAtgctttCAACGGCTAtg atctCAACGGCTAtacgctCAACGGCTAtgccgctCAACGGCTAtgctttCAACGGC TAtgatctCAACGGCTAtacgctCAACGGCTA
7033	DNA; Synthetic Construct	TAGCCGTTGtacgctTAGCCGTTGtgccgctTAGCCGTTGtgctttTAGCCGTTGtg atctTAGCCGTTGtacgctTAGCCGTTGtgccgctTAGCCGTTGtgctttTAGCCGT TGtgatctTAGCCGTTGtacgctTAGCCGTTG
7034	DNA; Synthetic Construct	CAACGGCTCtacgctCAACGGCTCtgccgctCAACGGCTCtgctttCAACGGCTCtg atctCAACGGCTCtacgctCAACGGCTCtgccgctCAACGGCTCtgctttCAACGGC TCtgatctCAACGGCTCtacgctCAACGGCTC
7035	DNA; Synthetic Construct	GAGCCGTTGtacgctGAGCCGTTGtgccgctGAGCCGTTGtgctttGAGCCGTTGtg atctGAGCCGTTGtacgctGAGCCGTTGtgccgctGAGCCGTTGtgctttGAGCCGT TGtgatctGAGCCGTTGtacgctGAGCCGTTG
7036	DNA; Synthetic Construct	CAACGGCTGtacgctCAACGGCTGtgccgctCAACGGCTGtgctttCAACGGCTGtg atctCAACGGCTGtacgctCAACGGCTGtgccgctCAACGGCTGtgctttCAACGGC TGtgatctCAACGGCTGtacgctCAACGGCTG
7037	DNA; Synthetic Construct	CAGCCGTTGtacgctCAGCCGTTGtgccgctCAGCCGTTGtgctttCAGCCGTTGtg atctCAGCCGTTGtacgctCAGCCGTTGtgccgctCAGCCGTTGtgctttCAGCCGT TGtgatctCAGCCGTTGtacgctCAGCCGTTG
7038	DNA; Synthetic Construct	CAACGGTCAtacgctCAACGGTCAtgccgctCAACGGTCAtgctttCAACGGTCAtg atctCAACGGTCAtacgctCAACGGTCAtgccgctCAACGGTCAtgctttCAACGGT CAtgatctCAACGGTCAtacgctCAACGGTCA
7039	DNA; Synthetic Construct	TGACCGTTGtacgctTGACCGTTGtgccgctTGACCGTTGtgctttTGACCGTTGtg atctTGACCGTTGtacgctTGACCGTTGtgccgctTGACCGTTGtgctttTGACCGT TGtgatctTGACCGTTGtacgctTGACCGTTG
7040	DNA; Synthetic Construct	CAACGGTCCtacgctCAACGGTCCtgccgctCAACGGTCCtgctttCAACGGTCCtg atctCAACGGTCCtacgctCAACGGTCCtgccgctCAACGGTCCtgctttCAACGGT CCtgatctCAACGGTCCtacgctCAACGGTCC
7041	DNA; Synthetic Construct	GGACCGTTGtacgctGGACCGTTGtgccgctGGACCGTTGtgctttGGACCGTTGtg atctGGACCGTTGtacgctGGACCGTTGtgccgctGGACCGTTGtgctttGGACCGT TGtgatctGGACCGTTGtacgctGGACCGTTG
7042	DNA; Synthetic Construct	CAACGGTCGtacgctCAACGGTCGtgccgctCAACGGTCGtgctttCAACGGTCGtg atctCAACGGTCGtacgctCAACGGTCGtgccgctCAACGGTCGtgctttCAACGGT CGtgatctCAACGGTCGtacgctCAACGGTCG
7043	DNA; Synthetic Construct	CGACCGTTGtacgctCGACCGTTGtgccgctCGACCGTTGtgctttCGACCGTTGtg atctCGACCGTTGtacgctCGACCGTTGtgccgctCGACCGTTGtgctttCGACCGT TGtgatctCGACCGTTGtacgctCGACCGTTG
7044	DNA; Synthetic Construct	CAACGGTTAtacgctCAACGGTTAtgccgctCAACGGTTAtgctttCAACGGTTAtg atctCAACGGTTAtacgctCAACGGTTAtgccgctCAACGGTTAtgctttCAACGGT TAtgatctCAACGGTTAtacgctCAACGGTTA
7045	DNA; Synthetic Construct	TAACCGTTGtacgctTAACCGTTGtgccgctTAACCGTTGtgctttTAACCGTTGtg atctTAACCGTTGtacgctTAACCGTTGtgccgctTAACCGTTGtgctttTAACCGT TGtgatctTAACCGTTGtacgctTAACCGTTG

7046	DNA; Synthetic Construct	CAACGGTTCtacgctCAACGGTTCtgccgctCAACGGTTCtgctttCAACGGTTCtg atctCAACGGTTCtacgctCAACGGTTCtgccgctCAACGGTTCtgctttCAACGGT TCtgatctCAACGGTTCtacgctCAACGGTTC
7047	DNA; Synthetic Construct	GAACCGTTGtacgctGAACCGTTGtgccgctGAACCGTTGtgctttGAACCGTTGtg atctGAACCGTTGtacgctGAACCGTTGtgccgctGAACCGTTGtgctttGAACCGT TGtgatctGAACCGTTGtacgctGAACCGTTG
7048	DNA; Synthetic Construct	CAACGGTTGtacgctCAACGGTTGtgccgctCAACGGTTGtgctttCAACGGTTGtg atctCAACGGTTGtacgctCAACGGTTGtgccgctCAACGGTTGtgctttCAACGGT TGtgatctCAACGGTTGtacgctCAACGGTTG
7049	DNA; Synthetic Construct	CAACCGTTGtacgctCAACCGTTGtgccgctCAACCGTTGtgctttCAACCGTTGtg atctCAACCGTTGtacgctCAACCGTTGtgccgctCAACCGTTGtgctttCAACCGT TGtgatctCAACCGTTGtacgctCAACCGTTG
7050	DNA; Synthetic Construct	CAACTGCCAtacgctCAACTGCCAtgccgctCAACTGCCAtgctttCAACTGCCAtg atctCAACTGCCAtacgctCAACTGCCAtgccgctCAACTGCCAtgctttCAACTGC CAtgatctCAACTGCCAtacgctCAACTGCCA
7051	DNA; Synthetic Construct	TGGCAGTTGtacgctTGGCAGTTGtgccgctTGGCAGTTGtgctttTGGCAGTTGtg atctTGGCAGTTGtacgctTGGCAGTTGtgccgctTGGCAGTTGtgctttTGGCAGT TGtgatctTGGCAGTTGtacgctTGGCAGTTG
7052	DNA; Synthetic Construct	CAACTGCCCtacgctCAACTGCCCtgccgctCAACTGCCCtgctttCAACTGCCCtg atctCAACTGCCCtacgctCAACTGCCCtgccgctCAACTGCCCtgctttCAACTGC CCtgatctCAACTGCCCtacgctCAACTGCCC
7053	DNA; Synthetic Construct	GGGCAGTTGtacgctGGGCAGTTGtgccgctGGGCAGTTGtgctttGGGCAGTTGtg atctGGGCAGTTGtacgctGGGCAGTTGtgccgctGGGCAGTTGtgctttGGGCAGT TGtgatctGGGCAGTTGtacgctGGGCAGTTG
7054	DNA; Synthetic Construct	CAACTGCCGtacgctCAACTGCCGtgccgctCAACTGCCGtgctttCAACTGCCGtg atctCAACTGCCGtacgctCAACTGCCGtgccgctCAACTGCCGtgctttCAACTGC CGtgatctCAACTGCCGtacgctCAACTGCCG
7055	DNA; Synthetic Construct	CGGCAGTTGtacgctCGGCAGTTGtgccgctCGGCAGTTGtgctttCGGCAGTTGtg atctCGGCAGTTGtacgctCGGCAGTTGtgccgctCGGCAGTTGtgctttCGGCAGT TGtgatctCGGCAGTTGtacgctCGGCAGTTG
7056	DNA; Synthetic Construct	CAACTGCTAtacgctCAACTGCTAtgccgctCAACTGCTAtgctttCAACTGCTAtg atctCAACTGCTAtacgctCAACTGCTAtgccgctCAACTGCTAtgctttCAACTGC TAtgatctCAACTGCTAtacgctCAACTGCTA
7057	DNA; Synthetic Construct	TAGCAGTTGtacgctTAGCAGTTGtgccgctTAGCAGTTGtgctttTAGCAGTTGtg atctTAGCAGTTGtacgctTAGCAGTTGtgccgctTAGCAGTTGtgctttTAGCAGT TGtgatctTAGCAGTTGtacgctTAGCAGTTG
7058	DNA; Synthetic Construct	CAACTGCTCtacgctCAACTGCTCtgccgctCAACTGCTCtgctttCAACTGCTCtg atctCAACTGCTCtacgctCAACTGCTCtgccgctCAACTGCTCtgctttCAACTGC TCtgatctCAACTGCTCtacgctCAACTGCTC
7059	DNA; Synthetic Construct	GAGCAGTTGtacgctGAGCAGTTGtgccgctGAGCAGTTGtgctttGAGCAGTTGtg atctGAGCAGTTGtacgctGAGCAGTTGtgccgctGAGCAGTTGtgctttGAGCAGT TGtgatctGAGCAGTTGtacgctGAGCAGTTG
7060	DNA; Synthetic Construct	CAACTGCTGtacgctCAACTGCTGtgccgctCAACTGCTGtgctttCAACTGCTGtg atctCAACTGCTGtacgctCAACTGCTGtgccgctCAACTGCTGtgctttCAACTGC TGtgatctCAACTGCTGtacgctCAACTGCTG
7061	DNA; Synthetic Construct	CAGCAGTTGtacgctCAGCAGTTGtgccgctCAGCAGTTGtgctttCAGCAGTTGtg atctCAGCAGTTGtacgctCAGCAGTTGtgccgctCAGCAGTTGtgctttCAGCAGT TGtgatctCAGCAGTTGtacgctCAGCAGTTG
7062	DNA; Synthetic Construct	CAACTGTCAtacgctCAACTGTCAtgccgctCAACTGTCAtgctttCAACTGTCAtg atctCAACTGTCAtacgctCAACTGTCAtgccgctCAACTGTCAtgctttCAACTGT CAtgatctCAACTGTCAtacgctCAACTGTCA
7063	DNA; Synthetic Construct	TGACAGTTGtacgctTGACAGTTGtgccgctTGACAGTTGtgctttTGACAGTTGtg atctTGACAGTTGtacgctTGACAGTTGtgccgctTGACAGTTGtgctttTGACAGT TGtgatctTGACAGTTGtacgctTGACAGTTG

7064	DNA; Synthetic Construct	CAACTGTCCtacgctCAACTGTCCtgccgctCAACTGTCCtgctttCAACTGTCCtg atctCAACTGTCCtacgctCAACTGTCCtgccgctCAACTGTCCtgctttCAACTGT CCtgatctCAACTGTCCtacgctCAACTGTCC
7065	DNA; Synthetic Construct	GGACAGTTGtacgctGGACAGTTGtgccgctGGACAGTTGtgctttGGACAGTTGtg atctGGACAGTTGtacgctGGACAGTTGtgccgctGGACAGTTGtgctttGGACAGT TGtgatctGGACAGTTGtacgctGGACAGTTG
7066	DNA; Synthetic Construct	CAACTGTCGtacgctCAACTGTCGtgccgctCAACTGTCGtgctttCAACTGTCGtg atctCAACTGTCGtacgctCAACTGTCGtgccgctCAACTGTCGtgctttCAACTGT CGtgatctCAACTGTCGtacgctCAACTGTCG
7067	DNA; Synthetic Construct	CGACAGTTGtacgctCGACAGTTGtgccgctCGACAGTTGtgctttCGACAGTTGtg atctCGACAGTTGtacgctCGACAGTTGtgccgctCGACAGTTGtgctttCGACAGT TGtgatctCGACAGTTGtacgctCGACAGTTG
7068	DNA; Synthetic Construct	CAACTGTTAtacgctCAACTGTTAtgccgctCAACTGTTAtgctttCAACTGTTAtg atctCAACTGTTAtacgctCAACTGTTAtgccgctCAACTGTTAtgctttCAACTGT TAtgatctCAACTGTTAtacgctCAACTGTTA
7069	DNA; Synthetic Construct	TAACAGTTGtacgctTAACAGTTGtgccgctTAACAGTTGtgctttTAACAGTTGtg atctTAACAGTTGtacgctTAACAGTTGtgccgctTAACAGTTGtgctttTAACAGT TGtgatctTAACAGTTGtacgctTAACAGTTG
7070	DNA; Synthetic Construct	CAACTGTTCtacgctCAACTGTTCtgccgctCAACTGTTCtgctttCAACTGTTCtg atctCAACTGTTCtacgctCAACTGTTCtgccgctCAACTGTTCtgctttCAACTGT TCtgatctCAACTGTTCtacgctCAACTGTTC
7071	DNA; Synthetic Construct	GAACAGTTGtacgctGAACAGTTGtgccgctGAACAGTTGtgctttGAACAGTTGtg atctGAACAGTTGtacgctGAACAGTTGtgccgctGAACAGTTGtgctttGAACAGT TGtgatctGAACAGTTGtacgctGAACAGTTG
7072	DNA; Synthetic Construct	CAACTGTTGtacgctCAACTGTTGtgccgctCAACTGTTGtgctttCAACTGTTGtg atctCAACTGTTGtacgctCAACTGTTGtgccgctCAACTGTTGtgctttCAACTGT TGtgatctCAACTGTTGtacgctCAACTGTTG
7073	DNA; Synthetic Construct	CAACAGTTGtacgctCAACAGTTGtgccgctCAACAGTTGtgctttCAACAGTTGtg atctCAACAGTTGtacgctCAACAGTTGtgccgctCAACAGTTGtgctttCAACAGT TGtgatctCAACAGTTGtacgctCAACAGTTG
7074	DNA; Synthetic Construct	TAACCGCCAtacgctTAACCGCCAtgccgctTAACCGCCAtgctttTAACCGCCAtg atctTAACCGCCAtacgctTAACCGCCAtgccgctTAACCGCCAtgctttTAACCGC CAtgatctTAACCGCCAtacgctTAACCGCCA
7075	DNA; Synthetic Construct	TGGCGGTTAtacgctTGGCGGTTAtgccgctTGGCGGTTAtgctttTGGCGGTTAtg atctTGGCGGTTAtacgctTGGCGGTTAtgccgctTGGCGGTTAtgctttTGGCGGT TAtgatctTGGCGGTTAtacgctTGGCGGTTA
7076	DNA; Synthetic Construct	TAACCGCCCtacgctTAACCGCCCtgccgctTAACCGCCCtgctttTAACCGCCCtg atctTAACCGCCCtacgctTAACCGCCCtgccgctTAACCGCCCtgctttTAACCGC CCtgatctTAACCGCCCtacgctTAACCGCCC
7077	DNA; Synthetic Construct	GGGCGGTTAtacgctGGGCGGTTAtgccgctGGGCGGTTAtgctttGGGCGGTTAtg atctGGGCGGTTAtacgctGGGCGGTTAtgccgctGGGCGGTTAtgctttGGGCGGT TAtgatctGGGCGGTTAtacgctGGGCGGTTA
7078	DNA; Synthetic Construct	TAACCGCCGtacgctTAACCGCCGtgccgctTAACCGCCGtgctttTAACCGCCGtg atctTAACCGCCGtacgctTAACCGCCGtgccgctTAACCGCCGtgctttTAACCGC CGtgatctTAACCGCCGtacgctTAACCGCCG
7079	DNA; Synthetic Construct	CGGCGGTTAtacgctCGGCGGTTAtgccgctCGGCGGTTAtgctttCGGCGGTTAtg atctCGGCGGTTAtacgctCGGCGGTTAtgccgctCGGCGGTTAtgctttCGGCGGT TAtgatctCGGCGGTTAtacgctCGGCGGTTA
7080	DNA; Synthetic Construct	TAACCGCTAtacgctTAACCGCTAtgccgctTAACCGCTAtgctttTAACCGCTAtg atctTAACCGCTAtacgctTAACCGCTAtgccgctTAACCGCTAtgctttTAACCGC TAtgatctTAACCGCTAtacgctTAACCGCTA
7081	DNA; Synthetic Construct	TAGCGGTTAtacgctTAGCGGTTAtgccgctTAGCGGTTAtgctttTAGCGGTTAtg atctTAGCGGTTAtacgctTAGCGGTTAtgccgctTAGCGGTTAtgctttTAGCGGT TAtgatctTAGCGGTTAtacgctTAGCGGTTA

7082	DNA; Synthetic Construct	TAACCGCTCtacgctTAACCGCTCtgccgctTAACCGCTCtgctttTAACCGCTCtg atctTAACCGCTCtacgctTAACCGCTCtgccgctTAACCGCTCtgctttTAACCGC TCtgatctTAACCGCTCtacgctTAACCGCTC
7083	DNA; Synthetic Construct	GAGCGGTTAtacgctGAGCGGTTAtgccgctGAGCGGTTAtgctttGAGCGGTTAtg atctGAGCGGTTAtacgctGAGCGGTTAtgccgctGAGCGGTTAtgctttGAGCGGT TAtgatctGAGCGGTTAtacgctGAGCGGTTA
7084	DNA; Synthetic Construct	TAACCGCTGtacgctTAACCGCTGtgccgctTAACCGCTGtgctttTAACCGCTGtg atctTAACCGCTGtacgctTAACCGCTGtgccgctTAACCGCTGtgctttTAACCGC TGtgatctTAACCGCTGtacgctTAACCGCTG
7085	DNA; Synthetic Construct	CAGCGGTTAtacgctCAGCGGTTAtgccgctCAGCGGTTAtgctttCAGCGGTTAtg atctCAGCGGTTAtacgctCAGCGGTTAtgccgctCAGCGGTTAtgctttCAGCGGT TAtgatctCAGCGGTTAtacgctCAGCGGTTA
7086	DNA; Synthetic Construct	TAACCGTCAtacgctTAACCGTCAtgccgctTAACCGTCAtgctttTAACCGTCAtg atctTAACCGTCAtacgctTAACCGTCAtgccgctTAACCGTCAtgctttTAACCGT CAtgatctTAACCGTCAtacgctTAACCGTCA
7087	DNA; Synthetic Construct	TGACGGTTAtacgctTGACGGTTAtgccgctTGACGGTTAtgctttTGACGGTTAtg atctTGACGGTTAtacgctTGACGGTTAtgccgctTGACGGTTAtgctttTGACGGT TAtgatctTGACGGTTAtacgctTGACGGTTA
7088	DNA; Synthetic Construct	TAACCGTCCtacgctTAACCGTCCtgccgctTAACCGTCCtgctttTAACCGTCCtg atctTAACCGTCCtacgctTAACCGTCCtgccgctTAACCGTCCtgctttTAACCGT CCtgatctTAACCGTCCtacgctTAACCGTCC
7089	DNA; Synthetic Construct	GGACGGTTAtacgctGGACGGTTAtgccgctGGACGGTTAtgctttGGACGGTTAtg atctGGACGGTTAtacgctGGACGGTTAtgccgctGGACGGTTAtgctttGGACGGT TAtgatctGGACGGTTAtacgctGGACGGTTA
7090	DNA; Synthetic Construct	TAACCGTCGtacgctTAACCGTCGtgccgctTAACCGTCGtgctttTAACCGTCGtg atctTAACCGTCGtacgctTAACCGTCGtgccgctTAACCGTCGtgctttTAACCGT CGtgatctTAACCGTCGtacgctTAACCGTCG
7091	DNA; Synthetic Construct	CGACGGTTAtacgctCGACGGTTAtgccgctCGACGGTTAtgctttCGACGGTTAtg atctCGACGGTTAtacgctCGACGGTTAtgccgctCGACGGTTAtgctttCGACGGT TAtgatctCGACGGTTAtacgctCGACGGTTA
7092	DNA; Synthetic Construct	TAACCGTTAtacgctTAACCGTTAtgccgctTAACCGTTAtgctttTAACCGTTAtg atctTAACCGTTAtacgctTAACCGTTAtgccgctTAACCGTTAtgctttTAACCGT TAtgatctTAACCGTTAtacgctTAACCGTTA
7093	DNA; Synthetic Construct	TAACGGTTAtacgctTAACGGTTAtgccgctTAACGGTTAtgctttTAACGGTTAtg atctTAACGGTTAtacgctTAACGGTTAtgccgctTAACGGTTAtgctttTAACGGT TAtgatctTAACGGTTAtacgctTAACGGTTA
7094	DNA; Synthetic Construct	TAACCGTTCtacgctTAACCGTTCtgccgctTAACCGTTCtgctttTAACCGTTCtg atctTAACCGTTCtacgctTAACCGTTCtgccgctTAACCGTTCtgctttTAACCGT TCtgatctTAACCGTTCtacgctTAACCGTTC
7095	DNA; Synthetic Construct	GAACGGTTAtacgctGAACGGTTAtgccgctGAACGGTTAtgctttGAACGGTTAtg atctGAACGGTTAtacgctGAACGGTTAtgccgctGAACGGTTAtgctttGAACGGT TAtgatctGAACGGTTAtacgctGAACGGTTA
7096	DNA; Synthetic Construct	TAACCGTTGtacgctTAACCGTTGtgccgctTAACCGTTGtgctttTAACCGTTGtg atctTAACCGTTGtacgctTAACCGTTGtgccgctTAACCGTTGtgctttTAACCGT TGtgatctTAACCGTTGtacgctTAACCGTTG
7097	DNA; Synthetic Construct	CAACGGTTAtacgctCAACGGTTAtgccgctCAACGGTTAtgctttCAACGGTTAtg atctCAACGGTTAtacgctCAACGGTTAtgccgctCAACGGTTAtgctttCAACGGT TAtgatctCAACGGTTAtacgctCAACGGTTA
7098	DNA; Synthetic Construct	TAACGGCCAtacgctTAACGGCCAtgccgctTAACGGCCAtgctttTAACGGCCAtg atctTAACGGCCAtacgctTAACGGCCAtgccgctTAACGGCCAtgctttTAACGGC CAtgatctTAACGGCCAtacgctTAACGGCCA
7099	DNA; Synthetic Construct	TGGCCGTTAtacgctTGGCCGTTAtgccgctTGGCCGTTAtgctttTGGCCGTTAtg atctTGGCCGTTAtacgctTGGCCGTTAtgccgctTGGCCGTTAtgctttTGGCCGT TAtgatctTGGCCGTTAtacgctTGGCCGTTA

7100	DNA; Synthetic Construct	TAACGGCCCtacgctTAACGGCCCtgccgctTAACGGCCCtgctttTAACGGCCCtg atctTAACGGCCCtacgctTAACGGCCCtgccgctTAACGGCCCtgctttTAACGGC CCtgatctTAACGGCCCtacgctTAACGGCCC
7101	DNA; Synthetic Construct	GGGCCGTTAtacgctGGGCCGTTAtgccgctGGGCCGTTAtgctttGGGCCGTTAtg atctGGGCCGTTAtacgctGGGCCGTTAtgccgctGGGCCGTTAtgctttGGGCCGT TAtgatctGGGCCGTTAtacgctGGGCCGTTA
7102	DNA; Synthetic Construct	TAACGGCCGtacgctTAACGGCCGtgccgctTAACGGCCGtgctttTAACGGCCGtg atctTAACGGCCGtacgctTAACGGCCGtgccgctTAACGGCCGtgctttTAACGGC CGtgatctTAACGGCCGtacgctTAACGGCCG
7103	DNA; Synthetic Construct	CGGCCGTTAtacgctCGGCCGTTAtgccgctCGGCCGTTAtgctttCGGCCGTTAtg atctCGGCCGTTAtacgctCGGCCGTTAtgccgctCGGCCGTTAtgctttCGGCCGT TAtgatctCGGCCGTTAtacgctCGGCCGTTA
7104	DNA; Synthetic Construct	TAACGGCTAtacgctTAACGGCTAtgccgctTAACGGCTAtgctttTAACGGCTAtg atctTAACGGCTAtacgctTAACGGCTAtgccgctTAACGGCTAtgctttTAACGGC TAtgatctTAACGGCTAtacgctTAACGGCTA
7105	DNA; Synthetic Construct	TAGCCGTTAtacgctTAGCCGTTAtgccgctTAGCCGTTAtgctttTAGCCGTTAtg atctTAGCCGTTAtacgctTAGCCGTTAtgccgctTAGCCGTTAtgctttTAGCCGT TAtgatctTAGCCGTTAtacgctTAGCCGTTA
7106	DNA; Synthetic Construct	TAACGGCTCtacgctTAACGGCTCtgccgctTAACGGCTCtgctttTAACGGCTCtg atctTAACGGCTCtacgctTAACGGCTCtgccgctTAACGGCTCtgctttTAACGGC TCtgatctTAACGGCTCtacgctTAACGGCTC
7107	DNA; Synthetic Construct	GAGCCGTTAtacgctGAGCCGTTAtgccgctGAGCCGTTAtgctttGAGCCGTTAtg atctGAGCCGTTAtacgctGAGCCGTTAtgccgctGAGCCGTTAtgctttGAGCCGT TAtgatctGAGCCGTTAtacgctGAGCCGTTA
7108	DNA; Synthetic Construct	TAACGGCTGtacgctTAACGGCTGtgccgctTAACGGCTGtgctttTAACGGCTGtg atctTAACGGCTGtacgctTAACGGCTGtgccgctTAACGGCTGtgctttTAACGGC TGtgatctTAACGGCTGtacgctTAACGGCTG
7109	DNA; Synthetic Construct	CAGCCGTTAtacgctCAGCCGTTAtgccgctCAGCCGTTAtgctttCAGCCGTTAtg atctCAGCCGTTAtacgctCAGCCGTTAtgccgctCAGCCGTTAtgctttCAGCCGT TAtgatctCAGCCGTTAtacgctCAGCCGTTA
7110	DNA; Synthetic Construct	TAACGGTCAtacgctTAACGGTCAtgccgctTAACGGTCAtgctttTAACGGTCAtg atctTAACGGTCAtacgctTAACGGTCAtgccgctTAACGGTCAtgctttTAACGGT CAtgatctTAACGGTCAtacgctTAACGGTCA
7111	DNA; Synthetic Construct	TGACCGTTAtacgctTGACCGTTAtgccgctTGACCGTTAtgctttTGACCGTTAtg atctTGACCGTTAtacgctTGACCGTTAtgccgctTGACCGTTAtgctttTGACCGT TAtgatctTGACCGTTAtacgctTGACCGTTA
7112	DNA; Synthetic Construct	TAACGGTCCtacgctTAACGGTCCtgccgctTAACGGTCCtgctttTAACGGTCCtg atctTAACGGTCCtacgctTAACGGTCCtgccgctTAACGGTCCtgctttTAACGGT CCtgatctTAACGGTCCtacgctTAACGGTCC
7113	DNA; Synthetic Construct	GGACCGTTAtacgctGGACCGTTAtgccgctGGACCGTTAtgctttGGACCGTTAtg atctGGACCGTTAtacgctGGACCGTTAtgccgctGGACCGTTAtgctttGGACCGT TAtgatctGGACCGTTAtacgctGGACCGTTA
7114	DNA; Synthetic Construct	TAACGGTCGtacgctTAACGGTCGtgccgctTAACGGTCGtgctttTAACGGTCGtg atctTAACGGTCGtacgctTAACGGTCGtgccgctTAACGGTCGtgctttTAACGGT CGtgatctTAACGGTCGtacgctTAACGGTCG
7115	DNA; Synthetic Construct	CGACCGTTAtacgctCGACCGTTAtgccgctCGACCGTTAtgctttCGACCGTTAtg atctCGACCGTTAtacgctCGACCGTTAtgccgctCGACCGTTAtgctttCGACCGT TAtgatctCGACCGTTAtacgctCGACCGTTA
7116	DNA; Synthetic Construct	TAACGGTTAtacgctTAACGGTTAtgccgctTAACGGTTAtgctttTAACGGTTAtg atctTAACGGTTAtacgctTAACGGTTAtgccgctTAACGGTTAtgctttTAACGGT TAtgatctTAACGGTTAtacgctTAACGGTTA
7117	DNA; Synthetic Construct	TAACCGTTAtacgctTAACCGTTAtgccgctTAACCGTTAtgctttTAACCGTTAtg atctTAACCGTTAtacgctTAACCGTTAtgccgctTAACCGTTAtgctttTAACCGT TAtgatctTAACCGTTAtacgctTAACCGTTA

7118	DNA; Synthetic Construct	TAACGGTTCtacgctTAACGGTTCtgccgctTAACGGTTCtgctttTAACGGTTCtg atctTAACGGTTCtacgctTAACGGTTCtgccgctTAACGGTTCtgctttTAACGGT TCtgatctTAACGGTTCtacgctTAACGGTTC
7119	DNA; Synthetic Construct	GAACCGTTAtacgctGAACCGTTAtgccgctGAACCGTTAtgctttGAACCGTTAtg atctGAACCGTTAtacgctGAACCGTTAtgccgctGAACCGTTAtgctttGAACCGT TAtgatctGAACCGTTAtacgctGAACCGTTA
7120	DNA; Synthetic Construct	TAACGGTTGtacgctTAACGGTTGtgccgctTAACGGTTGtgctttTAACGGTTGtg atctTAACGGTTGtacgctTAACGGTTGtgccgctTAACGGTTGtgctttTAACGGT TGtgatctTAACGGTTGtacgctTAACGGTTG
7121	DNA; Synthetic Construct	CAACCGTTAtacgctCAACCGTTAtgccgctCAACCGTTAtgctttCAACCGTTAtg atctCAACCGTTAtacgctCAACCGTTAtgccgctCAACCGTTAtgctttCAACCGT TAtgatctCAACCGTTAtacgctCAACCGTTA
7122	DNA; Synthetic Construct	TAACTGCCAtacgctTAACTGCCAtgccgctTAACTGCCAtgctttTAACTGCCAtg atctTAACTGCCAtacgctTAACTGCCAtgccgctTAACTGCCAtgctttTAACTGC CAtgatctTAACTGCCAtacgctTAACTGCCA
7123	DNA; Synthetic Construct	TGGCAGTTAtacgctTGGCAGTTAtgccgctTGGCAGTTAtgctttTGGCAGTTAtg atctTGGCAGTTAtacgctTGGCAGTTAtgccgctTGGCAGTTAtgctttTGGCAGT TAtgatctTGGCAGTTAtacgctTGGCAGTTA
7124	DNA; Synthetic Construct	TAACTGCCCtacgctTAACTGCCCtgccgctTAACTGCCCtgctttTAACTGCCCtg atctTAACTGCCCtacgctTAACTGCCCtgccgctTAACTGCCCtgctttTAACTGC CCtgatctTAACTGCCCtacgctTAACTGCCC
7125	DNA; Synthetic Construct	GGGCAGTTAtacgctGGGCAGTTAtgccgctGGGCAGTTAtgctttGGGCAGTTAtg atctGGGCAGTTAtacgctGGGCAGTTAtgccgctGGGCAGTTAtgctttGGGCAGT TAtgatctGGGCAGTTAtacgctGGGCAGTTA
7126	DNA; Synthetic Construct	TAACTGCCGtacgctTAACTGCCGtgccgctTAACTGCCGtgctttTAACTGCCGtg atctTAACTGCCGtacgctTAACTGCCGtgccgctTAACTGCCGtgctttTAACTGC CGtgatctTAACTGCCGtacgctTAACTGCCG
7127	DNA; Synthetic Construct	CGGCAGTTAtacgctCGGCAGTTAtgccgctCGGCAGTTAtgctttCGGCAGTTAtg atctCGGCAGTTAtacgctCGGCAGTTAtgccgctCGGCAGTTAtgctttCGGCAGT TAtgatctCGGCAGTTAtacgctCGGCAGTTA
7128	DNA; Synthetic Construct	TAACTGCTAtacgctTAACTGCTAtgccgctTAACTGCTAtgctttTAACTGCTAtg atctTAACTGCTAtacgctTAACTGCTAtgccgctTAACTGCTAtgctttTAACTGC TAtgatctTAACTGCTAtacgctTAACTGCTA
7129	DNA; Synthetic Construct	TAGCAGTTAtacgctTAGCAGTTAtgccgctTAGCAGTTAtgctttTAGCAGTTAtg atctTAGCAGTTAtacgctTAGCAGTTAtgccgctTAGCAGTTAtgctttTAGCAGT TAtgatctTAGCAGTTAtacgctTAGCAGTTA
7130	DNA; Synthetic Construct	TAACTGCTCtacgctTAACTGCTCtgccgctTAACTGCTCtgctttTAACTGCTCtg atctTAACTGCTCtacgctTAACTGCTCtgccgctTAACTGCTCtgctttTAACTGC TCtgatctTAACTGCTCtacgctTAACTGCTC
7131	DNA; Synthetic Construct	GAGCAGTTAtacgctGAGCAGTTAtgccgctGAGCAGTTAtgctttGAGCAGTTAtg atctGAGCAGTTAtacgctGAGCAGTTAtgccgctGAGCAGTTAtgctttGAGCAGT TAtgatctGAGCAGTTAtacgctGAGCAGTTA
7132	DNA; Synthetic Construct	TAACTGCTGtacgctTAACTGCTGtgccgctTAACTGCTGtgctttTAACTGCTGtg atctTAACTGCTGtacgctTAACTGCTGtgccgctTAACTGCTGtgctttTAACTGC TGtgatctTAACTGCTGtacgctTAACTGCTG
7133	DNA; Synthetic Construct	CAGCAGTTAtacgctCAGCAGTTAtgccgctCAGCAGTTAtgctttCAGCAGTTAtg atctCAGCAGTTAtacgctCAGCAGTTAtgccgctCAGCAGTTAtgctttCAGCAGT TAtgatctCAGCAGTTAtacgctCAGCAGTTA
7134	DNA; Synthetic Construct	TAACTGTCAtacgctTAACTGTCAtgccgctTAACTGTCAtgctttTAACTGTCAtg atctTAACTGTCAtacgctTAACTGTCAtgccgctTAACTGTCAtgctttTAACTGT CAtgatctTAACTGTCAtacgctTAACTGTCA
7135	DNA; Synthetic Construct	TGACAGTTAtacgctTGACAGTTAtgccgctTGACAGTTAtgctttTGACAGTTAtg atctTGACAGTTAtacgctTGACAGTTAtgccgctTGACAGTTAtgctttTGACAGT TAtgatctTGACAGTTAtacgctTGACAGTTA

7136	DNA; Synthetic Construct	TAACTGTCCtacgctTAACTGTCCtgccgctTAACTGTCCtgctttTAACTGTCCtg atctTAACTGTCCtacgctTAACTGTCCtgccgctTAACTGTCCtgctttTAACTGT CCtgatctTAACTGTCCtacgctTAACTGTCC
7137	DNA; Synthetic Construct	GGACAGTTAtacgctGGACAGTTAtgccgctGGACAGTTAtgctttGGACAGTTAtg atctGGACAGTTAtacgctGGACAGTTAtgccgctGGACAGTTAtgctttGGACAGT TAtgatctGGACAGTTAtacgctGGACAGTTA
7138	DNA; Synthetic Construct	TAACTGTCGtacgctTAACTGTCGtgccgctTAACTGTCGtgctttTAACTGTCGtg atctTAACTGTCGtacgctTAACTGTCGtgccgctTAACTGTCGtgctttTAACTGT CGtgatctTAACTGTCGtacgctTAACTGTCG
7139	DNA; Synthetic Construct	CGACAGTTAtacgctCGACAGTTAtgccgctCGACAGTTAtgctttCGACAGTTAtg atctCGACAGTTAtacgctCGACAGTTAtgccgctCGACAGTTAtgctttCGACAGT TAtgatctCGACAGTTAtacgctCGACAGTTA
7140	DNA; Synthetic Construct	TAACTGTTAtacgctTAACTGTTAtgccgctTAACTGTTAtgctttTAACTGTTAtg atctTAACTGTTAtacgctTAACTGTTAtgccgctTAACTGTTAtgctttTAACTGT TAtgatctTAACTGTTAtacgctTAACTGTTA
7141	DNA; Synthetic Construct	TAACAGTTAtacgctTAACAGTTAtgccgctTAACAGTTAtgctttTAACAGTTAtg atctTAACAGTTAtacgctTAACAGTTAtgccgctTAACAGTTAtgctttTAACAGT TAtgatctTAACAGTTAtacgctTAACAGTTA
7142	DNA; Synthetic Construct	TAACTGTTCtacgctTAACTGTTCtgccgctTAACTGTTCtgctttTAACTGTTCtg atctTAACTGTTCtacgctTAACTGTTCtgccgctTAACTGTTCtgctttTAACTGT TCtgatctTAACTGTTCtacgctTAACTGTTC
7143	DNA; Synthetic Construct	GAACAGTTAtacgctGAACAGTTAtgccgctGAACAGTTAtgctttGAACAGTTAtg atctGAACAGTTAtacgctGAACAGTTAtgccgctGAACAGTTAtgctttGAACAGT TAtgatctGAACAGTTAtacgctGAACAGTTA
7144	DNA; Synthetic Construct	TAACTGTTGtacgctTAACTGTTGtgccgctTAACTGTTGtgctttTAACTGTTGtg atctTAACTGTTGtacgctTAACTGTTGtgccgctTAACTGTTGtgctttTAACTGT TGtgatctTAACTGTTGtacgctTAACTGTTG
7145	DNA; Synthetic Construct	CAACAGTTAtacgctCAACAGTTAtgccgctCAACAGTTAtgctttCAACAGTTAtg atctCAACAGTTAtacgctCAACAGTTAtgccgctCAACAGTTAtgctttCAACAGT TAtgatctCAACAGTTAtacgctCAACAGTTA
7146	DNA; Synthetic Construct	TCAAGGTCAAtgccgctTCAAGGTCAAtgctttTCAAGGTCAAtgatctTCAAGGTC AAtacgctTCAAGGTCAAtgccgctTCAAGGTCAAtgctttTCAAGGTCAAtgatct TCAAGGTCAAtacgctTCAAGGTCAA
7147	DNA; Synthetic Construct	TTGACCTTGAtgccgctTTGACCTTGAtgctttTTGACCTTGAtgatctTTGACCTT GAtacgctTTGACCTTGAtgccgctTTGACCTTGAtgctttTTGACCTTGAtgatct TTGACCTTGAtacgctTTGACCTTGA
7148	DNA; Synthetic Construct	TCAAGGTCATtgccgctTCAAGGTCATtgctttTCAAGGTCATtgatctTCAAGGTC ATtacgctTCAAGGTCATtgccgctTCAAGGTCATtgctttTCAAGGTCATtgatct TCAAGGTCATtacgctTCAAGGTCAT
7149	DNA; Synthetic Construct	ATGACCTTGAtgccgctATGACCTTGAtgctttATGACCTTGAtgatctATGACCTT GAtacgctATGACCTTGAtgccgctATGACCTTGAtgctttATGACCTTGAtgatct ATGACCTTGAtacgctATGACCTTGA
7150	DNA; Synthetic Construct	CCCGCGTCCTTtgccgctCCCGCGTCCTTtgctttCCCGCGTCCTTtgatctCCCGC GTCCTTtacgctCCCGCGTCCTTtgccgctCCCGCGTCCTTtgctttCCCGCGTCCT TtgatctCCCGCGTCCTTtacgctCCCGCGTCCTT
7151	DNA; Synthetic Construct	AAGGACGCGGGtgccgctAAGGACGCGGGtgctttAAGGACGCGGGtgatctAAGGA CGCGGGtacgctAAGGACGCGGGtgccgctAAGGACGCGGGtgctttAAGGACGCGG GtgatctAAGGACGCGGGtacgctAAGGACGCGGG
7152	DNA; Synthetic Construct	TCCGCGTCCTTtgccgctTCCGCGTCCTTtgctttTCCGCGTCCTTtgatctTCCGC GTCCTTtacgctTCCGCGTCCTTtgccgctTCCGCGTCCTTtgctttTCCGCGTCCT TtgatctTCCGCGTCCTTtacgctTCCGCGTCCTT
7153	DNA; Synthetic Construct	AAGGACGCGGAtgccgctAAGGACGCGGAtgctttAAGGACGCGGAtgatctAAGGA CGCGGAtacgctAAGGACGCGGAtgccgctAAGGACGCGGAtgctttAAGGACGCGG AtgatctAAGGACGCGGAtacgctAAGGACGCGGA

7154	DNA; Synthetic Construct	AGCACAAAGGCCAtgctttAGCACAAAGGCCAtgatctAGCACAAAGGCCAtacgct AGCACAAAGGCCAtgccgctAGCACAAAGGCCAtgctttAGCACAAAGGCCAtgatc tAGCACAAAGGCCAtacgctAGCACAAAGGCCA
7155	DNA; Synthetic Construct	TGGCCTTTGTGCTtgctttTGGCCTTTGTGCTtgatcttGGCCTTTGTGCTtacgct TGGCCTTTGTGCTtgccgctTGGCCTTTGTGCTtgctttTGGCCTTTGTGCTtgatc tTGGCCTTTGTGCTtacgctTGGCCTTTGTGCT
7156	DNA; Synthetic Construct	AGCACAAAGGTCAtgctttAGCACAAAGGTCAtgatctAGCACAAAGGTCAtacgct AGCACAAAGGTCAtgccgctAGCACAAAGGTCAtgctttAGCACAAAGGTCAtgatc tAGCACAAAGGTCAtacgctAGCACAAAGGTCA
7157	DNA; Synthetic Construct	TGACCTTTGTGCTtgctttTGACCTTTGTGCTtgatcttGACCTTTGTGCTtacgct TGACCTTTGTGCTtgccgctTGACCTTTGTGCTtgctttTGACCTTTGTGCTtgatc tTGACCTTTGTGCTtacgctTGACCTTTGTGCT
7158	DNA; Synthetic Construct	AGCACAAAGTCCAtgctttAGCACAAAGTCCAtgatctAGCACAAAGTCCAtacgct AGCACAAAGTCCAtgccgctAGCACAAAGTCCAtgctttAGCACAAAGTCCAtgatc tAGCACAAAGTCCAtacgctAGCACAAAGTCCA
7159	DNA; Synthetic Construct	TGGACTTTGTGCTtgctttTGGACTTTGTGCTtgatcttGGACTTTGTGCTtacgct TGGACTTTGTGCTtgccgctTGGACTTTGTGCTtgctttTGGACTTTGTGCTtgatc tTGGACTTTGTGCTtacgctTGGACTTTGTGCT
7160	DNA; Synthetic Construct	AGCACAAAGTTCAtgctttAGCACAAAGTTCAtgatctAGCACAAAGTTCAtacgct AGCACAAAGTTCAtgccgctAGCACAAAGTTCAtgctttAGCACAAAGTTCAtgatc tAGCACAAAGTTCAtacgctAGCACAAAGTTCA
7161	DNA; Synthetic Construct	TGAACTTTGTGCTtgctttTGAACTTTGTGCTtgatcttGAACTTTGTGCTtacgct TGAACTTTGTGCTtgccgctTGAACTTTGTGCTtgctttTGAACTTTGTGCTtgatc tTGAACTTTGTGCTtacgctTGAACTTTGTGCT
7162	DNA; Synthetic Construct	GGCACAAAGGCCAtgctttGGCACAAAGGCCAtgatctGGCACAAAGGCCAtacgct GGCACAAAGGCCAtgccgctGGCACAAAGGCCAtgctttGGCACAAAGGCCAtgatc tGGCACAAAGGCCAtacgctGGCACAAAGGCCA
7163	DNA; Synthetic Construct	TGGCCTTTGTGCCtgctttTGGCCTTTGTGCCtgatcttGGCCTTTGTGCCtacgct TGGCCTTTGTGCCtgccgctTGGCCTTTGTGCCtgctttTGGCCTTTGTGCCtgatc tTGGCCTTTGTGCCtacgctTGGCCTTTGTGCC
7164	DNA; Synthetic Construct	GGCACAAAGGTCAtgctttGGCACAAAGGTCAtgatctGGCACAAAGGTCAtacgct GGCACAAAGGTCAtgccgctGGCACAAAGGTCAtgctttGGCACAAAGGTCAtgatc tGGCACAAAGGTCAtacgctGGCACAAAGGTCA
7165	DNA; Synthetic Construct	TGACCTTTGTGCCtgctttTGACCTTTGTGCCtgatcttGACCTTTGTGCCtacgct TGACCTTTGTGCCtgccgctTGACCTTTGTGCCtgctttTGACCTTTGTGCCtgatc tTGACCTTTGTGCCtacgctTGACCTTTGTGCC
7166	DNA; Synthetic Construct	GGCACAAAGTCCAtgctttGGCACAAAGTCCAtgatctGGCACAAAGTCCAtacgct GGCACAAAGTCCAtgccgctGGCACAAAGTCCAtgctttGGCACAAAGTCCAtgatc tGGCACAAAGTCCAtacgctGGCACAAAGTCCA
7167	DNA; Synthetic Construct	TGGACTTTGTGCCtgctttTGGACTTTGTGCCtgatcttGGACTTTGTGCCtacgct TGGACTTTGTGCCtgccgctTGGACTTTGTGCCtgctttTGGACTTTGTGCCtgatc tTGGACTTTGTGCCtacgctTGGACTTTGTGCC
7168	DNA; Synthetic Construct	GGCACAAAGTTCAtgctttGGCACAAAGTTCAtgatctGGCACAAAGTTCAtacgct GGCACAAAGTTCAtgccgctGGCACAAAGTTCAtgctttGGCACAAAGTTCAtgatc tGGCACAAAGTTCAtacgctGGCACAAAGTTCA
7169	DNA; Synthetic Construct	TGAACTTTGTGCCtgctttTGAACTTTGTGCCtgatcttGAACTTTGTGCCtacgct TGAACTTTGTGCCtgccgctTGAACTTTGTGCCtgctttTGAACTTTGTGCCtgatc tTGAACTTTGTGCCtacgctTGAACTTTGTGCC
7170	DNA; Synthetic Construct	GTCAGCAtgatctGTCAGCAtacgctGTCAGCAtgccgctGTCAGCAtgctttGTCA GCAtgatctGTCAGCAtacgctGTCAGCAtgccgctGTCAGCAtgctttGTCAGCAt gatctGTCAGCAtacgctGTCAGCA
7171	DNA; Synthetic Construct	TGCTGACtgatctTGCTGACtacgctTGCTGACtgccgctTGCTGACtgctttTGCT GACtgatctTGCTGACtacgctTGCTGACtgccgctTGCTGACtgctttTGCTGACt gatctTGCTGACtacgctTGCTGAC

7172	DNA; Synthetic Construct	ACTCCACtgatctACTCCACtacgctACTCCACtgccgctACTCCACtgctttACTC CACtgatctACTCCACtacgctACTCCACtgccgctACTCCACtgctttACTCCACt gatctACTCCACtacgctACTCCAC
7173	DNA; Synthetic Construct	GTGGAGTtgatctGTGGAGTtacgctGTGGAGTtgccgctGTGGAGTtgctttGTGG AGTtgatctGTGGAGTtacgctGTGGAGTtgccgctGTGGAGTtgctttGTGGAGTt gatctGTGGAGTtacgctGTGGAGT
7174	DNA; Synthetic Construct	ACTTCACtgatctACTTCACtacgctACTTCACtgccgctACTTCACtgctttACTT CACtgatctACTTCACtacgctACTTCACtgccgctACTTCACtgctttACTTCACt gatctACTTCACtacgctACTTCAC
7175	DNA; Synthetic Construct	GTGAAGTtgatctGTGAAGTtacgctGTGAAGTtgccgctGTGAAGTtgctttGTGA AGTtgatctGTGAAGTtacgctGTGAAGTtgccgctGTGAAGTtgctttGTGAAGTt gatctGTGAAGTtacgctGTGAAGT
7176	DNA; Synthetic Construct	ATGCCCTGAGGCtgctttATGCCCTGAGGCtgatctATGCCCTGAGGCtacgctATG CCCTGAGGCtgccgctATGCCCTGAGGCtgctttATGCCCTGAGGCtgatctATGCC CTGAGGCtacgctATGCCCTGAGGC
7177	DNA; Synthetic Construct	GCCTCAGGGCATtgctttGCCTCAGGGCATtgatctGCCTCAGGGCATtacgctGCC TCAGGGCATtgccgctGCCTCAGGGCATtgctttGCCTCAGGGCATtgatctGCCTC AGGGCATtacgctGCCTCAGGGCAT
7178	DNA; Synthetic Construct	TCAAGTGGtacgctTCAAGTGGtgccgctTCAAGTGGtgctttTCAAGTGGtgatct TCAAGTGGtacgctTCAAGTGGtgccgctTCAAGTGGtgctttTCAAGTGGtgatct TCAAGTGGtacgctTCAAGTGG
7179	DNA; Synthetic Construct	CCACTTGAtacgctCCACTTGAtgccgctCCACTTGAtgctttCCACTTGAtgatct CCACTTGAtacgctCCACTTGAtgccgctCCACTTGAtgctttCCACTTGAtgatct CCACTTGAtacgctCCACTTGA
7180	DNA; Synthetic Construct	TTAAGTGGtacgctTTAAGTGGtgccgctTTAAGTGGtgctttTTAAGTGGtgatct TTAAGTGGtacgctTTAAGTGGtgccgctTTAAGTGGtgctttTTAAGTGGtgatct TTAAGTGGtacgctTTAAGTGG
7181	DNA; Synthetic Construct	CCACTTAAtacgctCCACTTAAtgccgctCCACTTAAtgctttCCACTTAAtgatct CCACTTAAtacgctCCACTTAAtgccgctCCACTTAAtgctttCCACTTAAtgatct CCACTTAAtacgctCCACTTAA
7182	DNA; Synthetic Construct	CGCCACCTAGTGGCtgatctCGCCACCTAGTGGCtacgctCGCCACCTAGTGGCtgc cgctCGCCACCTAGTGGCtgctttCGCCACCTAGTGGCtgatctCGCCACCTAGTGG CtacgctCGCCACCTAGTGGC
7183	DNA; Synthetic Construct	GCCACTAGGTGGCGtgatctGCCACTAGGTGGCGtacgctGCCACTAGGTGGCGtgc cgctGCCACTAGGTGGCGtgctttGCCACTAGGTGGCGtgatctGCCACTAGGTGGC GtacgctGCCACTAGGTGGCG
7184	DNA; Synthetic Construct	CGCCACCTACTGGCtgatctCGCCACCTACTGGCtacgctCGCCACCTACTGGCtgc cgctCGCCACCTACTGGCtgctttCGCCACCTACTGGCtgatctCGCCACCTACTGG CtacgctCGCCACCTACTGGC
7185	DNA; Synthetic Construct	GCCAGTAGGTGGCGtgatctGCCAGTAGGTGGCGtacgctGCCAGTAGGTGGCGtgc cgctGCCAGTAGGTGGCGtgctttGCCAGTAGGTGGCGtgatctGCCAGTAGGTGGC GtacgctGCCAGTAGGTGGCG
7186	DNA; Synthetic Construct	CGCCACCTGGTGGCtgatctCGCCACCTGGTGGCtacgctCGCCACCTGGTGGCtgc cgctCGCCACCTGGTGGCtgctttCGCCACCTGGTGGCtgatctCGCCACCTGGTGG CtacgctCGCCACCTGGTGGC
7187	DNA; Synthetic Construct	GCCACCAGGTGGCGtgatctGCCACCAGGTGGCGtacgctGCCACCAGGTGGCGtgc cgctGCCACCAGGTGGCGtgctttGCCACCAGGTGGCGtgatctGCCACCAGGTGGC GtacgctGCCACCAGGTGGCG
7188	DNA; Synthetic Construct	CGCCACCTGCTGGCtgatctCGCCACCTGCTGGCtacgctCGCCACCTGCTGGCtgc cgctCGCCACCTGCTGGCtgctttCGCCACCTGCTGGCtgatctCGCCACCTGCTGG CtacgctCGCCACCTGCTGGC
7189	DNA; Synthetic Construct	GCCAGCAGGTGGCGtgatctGCCAGCAGGTGGCGtacgctGCCAGCAGGTGGCGtgc cgctGCCAGCAGGTGGCGtgctttGCCAGCAGGTGGCGtgatctGCCAGCAGGTGGC GtacgctGCCAGCAGGTGGCG

7190	DNA; Synthetic Construct	CGCCACCTTGTGGCtgatctCGCCACCTTGTGGCtacgctCGCCACCTTGTGGCtgc cgctCGCCACCTTGTGGCtgctttCGCCACCTTGTGGCtgatctCGCCACCTTGTGG CtacgctCGCCACCTTGTGGC
7191	DNA; Synthetic Construct	GCCACAAGGTGGCGtgatctGCCACAAGGTGGCGtacgctGCCACAAGGTGGCGtgc cgctGCCACAAGGTGGCGtgctttGCCACAAGGTGGCGtgatctGCCACAAGGTGGC GtacgctGCCACAAGGTGGCG
7192	DNA; Synthetic Construct	CGCCACCTTCTGGCtgatctCGCCACCTTCTGGCtacgctCGCCACCTTCTGGCtgc cgctCGCCACCTTCTGGCtgctttCGCCACCTTCTGGCtgatctCGCCACCTTCTGG CtacgctCGCCACCTTCTGGC
7193	DNA; Synthetic Construct	GCCAGAAGGTGGCGtgatctGCCAGAAGGTGGCGtacgctGCCAGAAGGTGGCGtgc cgctGCCAGAAGGTGGCGtgctttGCCAGAAGGTGGCGtgatctGCCAGAAGGTGGC GtacgctGCCAGAAGGTGGCG
7194	DNA; Synthetic Construct	CGCCATCTAGTGGCtgatctCGCCATCTAGTGGCtacgctCGCCATCTAGTGGCtgc cgctCGCCATCTAGTGGCtgctttCGCCATCTAGTGGCtgatctCGCCATCTAGTGG CtacgctCGCCATCTAGTGGC
7195	DNA; Synthetic Construct	GCCACTAGATGGCGtgatctGCCACTAGATGGCGtacgctGCCACTAGATGGCGtgc cgctGCCACTAGATGGCGtgctttGCCACTAGATGGCGtgatctGCCACTAGATGGC GtacgctGCCACTAGATGGCG
7196	DNA; Synthetic Construct	CGCCATCTACTGGCtgatctCGCCATCTACTGGCtacgctCGCCATCTACTGGCtgc cgctCGCCATCTACTGGCtgctttCGCCATCTACTGGCtgatctCGCCATCTACTGG CtacgctCGCCATCTACTGGC
7197	DNA; Synthetic Construct	GCCAGTAGATGGCGtgatctGCCAGTAGATGGCGtacgctGCCAGTAGATGGCGtgc cgctGCCAGTAGATGGCGtgctttGCCAGTAGATGGCGtgatctGCCAGTAGATGGC GtacgctGCCAGTAGATGGCG
7198	DNA; Synthetic Construct	CGCCATCTGGTGGCtgatctCGCCATCTGGTGGCtacgctCGCCATCTGGTGGCtgc cgctCGCCATCTGGTGGCtgctttCGCCATCTGGTGGCtgatctCGCCATCTGGTGG CtacgctCGCCATCTGGTGGC
7199	DNA; Synthetic Construct	GCCACCAGATGGCGtgatctGCCACCAGATGGCGtacgctGCCACCAGATGGCGtgc cgctGCCACCAGATGGCGtgctttGCCACCAGATGGCGtgatctGCCACCAGATGGC GtacgctGCCACCAGATGGCG
7200	DNA; Synthetic Construct	CGCCATCTGCTGGCtgatctCGCCATCTGCTGGCtacgctCGCCATCTGCTGGCtgc cgctCGCCATCTGCTGGCtgctttCGCCATCTGCTGGCtgatctCGCCATCTGCTGG CtacgctCGCCATCTGCTGGC
7201	DNA; Synthetic Construct	GCCAGCAGATGGCGtgatctGCCAGCAGATGGCGtacgctGCCAGCAGATGGCGtgc cgctGCCAGCAGATGGCGtgctttGCCAGCAGATGGCGtgatctGCCAGCAGATGGC GtacgctGCCAGCAGATGGCG
7202	DNA; Synthetic Construct	CGCCATCTTGTGGCtgatctCGCCATCTTGTGGCtacgctCGCCATCTTGTGGCtgc cgctCGCCATCTTGTGGCtgctttCGCCATCTTGTGGCtgatctCGCCATCTTGTGG CtacgctCGCCATCTTGTGGC
7203	DNA; Synthetic Construct	GCCACAAGATGGCGtgatctGCCACAAGATGGCGtacgctGCCACAAGATGGCGtgc cgctGCCACAAGATGGCGtgctttGCCACAAGATGGCGtgatctGCCACAAGATGGC GtacgctGCCACAAGATGGCG
7204	DNA; Synthetic Construct	CGCCATCTTCTGGCtgatctCGCCATCTTCTGGCtacgctCGCCATCTTCTGGCtgc cgctCGCCATCTTCTGGCtgctttCGCCATCTTCTGGCtgatctCGCCATCTTCTGG CtacgctCGCCATCTTCTGGC
7205	DNA; Synthetic Construct	GCCAGAAGATGGCGtgatctGCCAGAAGATGGCGtacgctGCCAGAAGATGGCGtgc cgctGCCAGAAGATGGCGtgctttGCCAGAAGATGGCGtgatctGCCAGAAGATGGC GtacgctGCCAGAAGATGGCG
7206	DNA; Synthetic Construct	CGCCCCCTAGTGGCtgatctCGCCCCCTAGTGGCtacgctCGCCCCCTAGTGGCtgc cgctCGCCCCCTAGTGGCtgctttCGCCCCCTAGTGGCtgatctCGCCCCCTAGTGG CtacgctCGCCCCCTAGTGGC
7207	DNA; Synthetic Construct	GCCACTAGGGGGCGtgatctGCCACTAGGGGGCGtacgctGCCACTAGGGGGCGtgc cgctGCCACTAGGGGGCGtgctttGCCACTAGGGGGCGtgatctGCCACTAGGGGGC GtacgctGCCACTAGGGGGCG

7208	DNA; Synthetic Construct	CGCCCCCTACTGGCtgatctCGCCCCCTACTGGCtacgctCGCCCCCTACTGGCtgc cgctCGCCCCCTACTGGCtgctttCGCCCCCTACTGGCtgatctCGCCCCCTACTGG CtacgctCGCCCCCTACTGGC
7209	DNA; Synthetic Construct	GCCAGTAGGGGGCGtgatctGCCAGTAGGGGGCGtacgctGCCAGTAGGGGGCGtgc cgctGCCAGTAGGGGGCGtgctttGCCAGTAGGGGGCGtgatctGCCAGTAGGGGGC GtacgctGCCAGTAGGGGGCG
7210	DNA; Synthetic Construct	CGCCCCCTGGTGGCtgatctCGCCCCCTGGTGGCtacgctCGCCCCCTGGTGGCtgc cgctCGCCCCCTGGTGGCtgctttCGCCCCCTGGTGGCtgatctCGCCCCCTGGTGG CtacgctCGCCCCCTGGTGGC
7211	DNA; Synthetic Construct	GCCACCAGGGGGCGtgatctGCCACCAGGGGGCGtacgctGCCACCAGGGGGCGtgc cgctGCCACCAGGGGGCGtgctttGCCACCAGGGGGCGtgatctGCCACCAGGGGGC GtacgctGCCACCAGGGGGCG
7212	DNA; Synthetic Construct	CGCCCCCTGCTGGCtgatctCGCCCCCTGCTGGCtacgctCGCCCCCTGCTGGCtgc cgctCGCCCCCTGCTGGCtgctttCGCCCCCTGCTGGCtgatctCGCCCCCTGCTGG CtacgctCGCCCCCTGCTGGC
7213	DNA; Synthetic Construct	GCCAGCAGGGGGCGtgatctGCCAGCAGGGGGCGtacgctGCCAGCAGGGGGCGtgc cgctGCCAGCAGGGGGCGtgctttGCCAGCAGGGGGCGtgatctGCCAGCAGGGGGC GtacgctGCCAGCAGGGGGCG
7214	DNA; Synthetic Construct	CGCCCCCTTGTGGCtgatctCGCCCCCTTGTGGCtacgctCGCCCCCTTGTGGCtgc cgctCGCCCCCTTGTGGCtgctttCGCCCCCTTGTGGCtgatctCGCCCCCTTGTGG CtacgctCGCCCCCTTGTGGC
7215	DNA; Synthetic Construct	GCCACAAGGGGGCGtgatctGCCACAAGGGGGCGtacgctGCCACAAGGGGGCGtgc cgctGCCACAAGGGGGCGtgctttGCCACAAGGGGGCGtgatctGCCACAAGGGGGC GtacgctGCCACAAGGGGGCG
7216	DNA; Synthetic Construct	CGCCCCCTTCTGGCtgatctCGCCCCCTTCTGGCtacgctCGCCCCCTTCTGGCtgc cgctCGCCCCCTTCTGGCtgctttCGCCCCCTTCTGGCtgatctCGCCCCCTTCTGG CtacgctCGCCCCCTTCTGGC
7217	DNA; Synthetic Construct	GCCAGAAGGGGGCGtgatctGCCAGAAGGGGGCGtacgctGCCAGAAGGGGGCGtgc cgctGCCAGAAGGGGGCGtgctttGCCAGAAGGGGGCGtgatctGCCAGAAGGGGGC GtacgctGCCAGAAGGGGGCG
7218	DNA; Synthetic Construct	CGCCCTCTAGTGGCtgatctCGCCCTCTAGTGGCtacgctCGCCCTCTAGTGGCtgc cgctCGCCCTCTAGTGGCtgctttCGCCCTCTAGTGGCtgatctCGCCCTCTAGTGG CtacgctCGCCCTCTAGTGGC
7219	DNA; Synthetic Construct	GCCACTAGAGGGCGtgatctGCCACTAGAGGGCGtacgctGCCACTAGAGGGCGtgc cgctGCCACTAGAGGGCGtgctttGCCACTAGAGGGCGtgatctGCCACTAGAGGGC GtacgctGCCACTAGAGGGCG
7220	DNA; Synthetic Construct	CGCCCTCTACTGGCtgatctCGCCCTCTACTGGCtacgctCGCCCTCTACTGGCtgc cgctCGCCCTCTACTGGCtgctttCGCCCTCTACTGGCtgatctCGCCCTCTACTGG CtacgctCGCCCTCTACTGGC
7221	DNA; Synthetic Construct	GCCAGTAGAGGGCGtgatctGCCAGTAGAGGGCGtacgctGCCAGTAGAGGGCGtgc cgctGCCAGTAGAGGGCGtgctttGCCAGTAGAGGGCGtgatctGCCAGTAGAGGGC GtacgctGCCAGTAGAGGGCG
7222	DNA; Synthetic Construct	CGCCCTCTGGTGGCtgatctCGCCCTCTGGTGGCtacgctCGCCCTCTGGTGGCtgc cgctCGCCCTCTGGTGGCtgctttCGCCCTCTGGTGGCtgatctCGCCCTCTGGTGG CtacgctCGCCCTCTGGTGGC
7223	DNA; Synthetic Construct	GCCACCAGAGGGCGtgatctGCCACCAGAGGGCGtacgctGCCACCAGAGGGCGtgc cgctGCCACCAGAGGGCGtgctttGCCACCAGAGGGCGtgatctGCCACCAGAGGGC GtacgctGCCACCAGAGGGCG
7224	DNA; Synthetic Construct	CGCCCTCTGCTGGCtgatctCGCCCTCTGCTGGCtacgctCGCCCTCTGCTGGCtgc cgctCGCCCTCTGCTGGCtgctttCGCCCTCTGCTGGCtgatctCGCCCTCTGCTGG CtacgctCGCCCTCTGCTGGC
7225	DNA; Synthetic Construct	GCCAGCAGAGGGCGtgatctGCCAGCAGAGGGCGtacgctGCCAGCAGAGGGCGtgc cgctGCCAGCAGAGGGCGtgctttGCCAGCAGAGGGCGtgatctGCCAGCAGAGGGC GtacgctGCCAGCAGAGGGCG

7226	DNA; Synthetic Construct	CGCCCTCTTGTGGCtgatctCGCCCTCTTGTGGCtacgctCGCCCTCTTGTGGCtgc cgctCGCCCTCTTGTGGCtgctttCGCCCTCTTGTGGCtgatctCGCCCTCTTGTGG CtacgctCGCCCTCTTGTGGC
7227	DNA; Synthetic Construct	GCCACAAGAGGGCGtgatctGCCACAAGAGGGCGtacgctGCCACAAGAGGGCGtgc cgctGCCACAAGAGGGCGtgctttGCCACAAGAGGGCGtgatctGCCACAAGAGGC GtacgctGCCACAAGAGGGCG
7228	DNA; Synthetic Construct	CGCCCTCTTCTGGCtgatctCGCCCTCTTCTGGCtacgctCGCCCTCTTCTGGCtgc cgctCGCCCTCTTCTGGCtgctttCGCCCTCTTCTGGCtgatctCGCCCTCTTCTGG CtacgctCGCCCTCTTCTGGC
7229	DNA; Synthetic Construct	GCCAGAAGAGGGCGtgatctGCCAGAAGAGGGCGtacgctGCCAGAAGAGGGCGtgc cgctGCCAGAAGAGGGCGtgctttGCCAGAAGAGGGCGtgatctGCCAGAAGAGGGC GtacgctGCCAGAAGAGGGCG
7230	DNA; Synthetic Construct	TGCCACCTAGTGGCtgatctTGCCACCTAGTGGCtacgctTGCCACCTAGTGGCtgc cgctTGCCACCTAGTGGCtgctttTGCCACCTAGTGGCtgatctTGCCACCTAGTGG CtacgctTGCCACCTAGTGGC
7231	DNA; Synthetic Construct	GCCACTAGGTGGCAtgatctGCCACTAGGTGGCAtacgctGCCACTAGGTGGCAtgc cgctGCCACTAGGTGGCAtgctttGCCACTAGGTGGCAtgatctGCCACTAGGTGGC AtacgctGCCACTAGGTGGCA
7232	DNA; Synthetic Construct	TGCCACCTACTGGCtgatctTGCCACCTACTGGCtacgctTGCCACCTACTGGCtgc cgctTGCCACCTACTGGCtgctttTGCCACCTACTGGCtgatctTGCCACCTACTGG CtacgctTGCCACCTACTGGC
7233	DNA; Synthetic Construct	GCCAGTAGGTGGCAtgatctGCCAGTAGGTGGCAtacgctGCCAGTAGGTGGCAtgc cgctGCCAGTAGGTGGCAtgctttGCCAGTAGGTGGCAtgatctGCCAGTAGGTGGC AtacgctGCCAGTAGGTGGCA
7234	DNA; Synthetic Construct	TGCCACCTGGTGGCtgatctTGCCACCTGGTGGCtacgctTGCCACCTGGTGGCtgc cgctTGCCACCTGGTGGCtgctttTGCCACCTGGTGGCtgatctTGCCACCTGGTGG CtacgctTGCCACCTGGTGGC
7235	DNA; Synthetic Construct	GCCACCAGGTGGCAtgatctGCCACCAGGTGGCAtacgctGCCACCAGGTGGCAtgc cgctGCCACCAGGTGGCAtgctttGCCACCAGGTGGCAtgatctGCCACCAGGTGGC AtacgctGCCACCAGGTGGCA
7236	DNA; Synthetic Construct	TGCCACCTGCTGGCtgatctTGCCACCTGCTGGCtacgctTGCCACCTGCTGGCtgc cgctTGCCACCTGCTGGCtgctttTGCCACCTGCTGGCtgatctTGCCACCTGCTGG CtacgctTGCCACCTGCTGGC
7237	DNA; Synthetic Construct	GCCAGCAGGTGGCAtgatctGCCAGCAGGTGGCAtacgctGCCAGCAGGTGGCAtgc cgctGCCAGCAGGTGGCAtgctttGCCAGCAGGTGGCAtgatctGCCAGCAGGTGGC AtacgctGCCAGCAGGTGGCA
7238	DNA; Synthetic Construct	TGCCACCTTGTGGCtgatctTGCCACCTTGTGGCtacgctTGCCACCTTGTGGCtgc cgctTGCCACCTTGTGGCtgctttTGCCACCTTGTGGCtgatctTGCCACCTTGTGG CtacgctTGCCACCTTGTGGC
7239	DNA; Synthetic Construct	GCCACAAGGTGGCAtgatctGCCACAAGGTGGCAtacgctGCCACAAGGTGGCAtgc cgctGCCACAAGGTGGCAtgctttGCCACAAGGTGGCAtgatctGCCACAAGGTGGC AtacgctGCCACAAGGTGGCA
7240	DNA; Synthetic Construct	TGCCACCTTCTGGCtgatctTGCCACCTTCTGGCtacgctTGCCACCTTCTGGCtgc cgctTGCCACCTTCTGGCtgctttTGCCACCTTCTGGCtgatctTGCCACCTTCTGG CtacgctTGCCACCTTCTGGC
7241	DNA; Synthetic Construct	GCCAGAAGGTGGCAtgatctGCCAGAAGGTGGCAtacgctGCCAGAAGGTGGCAtgc cgctGCCAGAAGGTGGCAtgctttGCCAGAAGGTGGCAtgatctGCCAGAAGGTGGC AtacgctGCCAGAAGGTGGCA
7242	DNA; Synthetic Construct	TGCCATCTAGTGGCtgatctTGCCATCTAGTGGCtacgctTGCCATCTAGTGGCtgc cgctTGCCATCTAGTGGCtgctttTGCCATCTAGTGGCtgatctTGCCATCTAGTGG CtacgctTGCCATCTAGTGGC
7243	DNA; Synthetic Construct	GCCACTAGATGGCAtgatctGCCACTAGATGGCAtacgctGCCACTAGATGGCAtgc cgctGCCACTAGATGGCAtgctttGCCACTAGATGGCAtgatctGCCACTAGATGGC AtacgctGCCACTAGATGGCA

7244	DNA; Synthetic Construct	TGCCATCTACTGGCtgatctTGCCATCTACTGGCtacgctTGCCATCTACTGGCtgc cgctTGCCATCTACTGGCtgctttTGCCATCTACTGGCtgatctTGCCATCTACTGG CtacgctTGCCATCTACTGGC
7245	DNA; Synthetic Construct	GCCAGTAGATGGCAtgatctGCCAGTAGATGGCAtacgctGCCAGTAGATGGCAtgc cgctGCCAGTAGATGGCAtgctttGCCAGTAGATGGCAtgatctGCCAGTAGATGGC AtacgctGCCAGTAGATGGCA
7246	DNA; Synthetic Construct	TGCCATCTGGTGGCtgatctTGCCATCTGGTGGCtacgctTGCCATCTGGTGGCtgc cgctTGCCATCTGGTGGCtgctttTGCCATCTGGTGGCtgatctTGCCATCTGGTGG CtacgctTGCCATCTGGTGGC
7247	DNA; Synthetic Construct	GCCACCAGATGGCAtgatctGCCACCAGATGGCAtacgctGCCACCAGATGGCAtgc cgctGCCACCAGATGGCAtgctttGCCACCAGATGGCAtgatctGCCACCAGATGGC AtacgctGCCACCAGATGGCA
7248	DNA; Synthetic Construct	TGCCATCTGCTGGCtgatctTGCCATCTGCTGGCtacgctTGCCATCTGCTGGCtgc cgctTGCCATCTGCTGGCtgctttTGCCATCTGCTGGCtgatctTGCCATCTGCTGG CtacgctTGCCATCTGCTGGC
7249	DNA; Synthetic Construct	GCCAGCAGATGGCAtgatctGCCAGCAGATGGCAtacgctGCCAGCAGATGGCAtgc cgctGCCAGCAGATGGCAtgctttGCCAGCAGATGGCAtgatctGCCAGCAGATGGC AtacgctGCCAGCAGATGGCA
7250	DNA; Synthetic Construct	TGCCATCTTGTGGCtgatctTGCCATCTTGTGGCtacgctTGCCATCTTGTGGCtgc cgctTGCCATCTTGTGGCtgctttTGCCATCTTGTGGCtgatctTGCCATCTTGTGG CtacgctTGCCATCTTGTGGC
7251	DNA; Synthetic Construct	GCCACAAGATGGCAtgatctGCCACAAGATGGCAtacgctGCCACAAGATGGCAtgc cgctGCCACAAGATGGCAtgctttGCCACAAGATGGCAtgatctGCCACAAGATGGC AtacgctGCCACAAGATGGCA
7252	DNA; Synthetic Construct	TGCCATCTTCTGGCtgatctTGCCATCTTCTGGCtacgctTGCCATCTTCTGGCtgc cgctTGCCATCTTCTGGCtgctttTGCCATCTTCTGGCtgatctTGCCATCTTCTGG CtacgctTGCCATCTTCTGGC
7253	DNA; Synthetic Construct	GCCAGAAGATGGCAtgatctGCCAGAAGATGGCAtacgctGCCAGAAGATGGCAtgc cgctGCCAGAAGATGGCAtgctttGCCAGAAGATGGCAtgatctGCCAGAAGATGGC AtacgctGCCAGAAGATGGCA
7254	DNA; Synthetic Construct	TGCCCCCTAGTGGCtgatctTGCCCCCTAGTGGCtacgctTGCCCCCTAGTGGCtgc cgctTGCCCCCTAGTGGCtgctttTGCCCCCTAGTGGCtgatctTGCCCCCTAGTGG CtacgctTGCCCCCTAGTGGC
7255	DNA; Synthetic Construct	GCCACTAGGGGGCAtgatctGCCACTAGGGGGCAtacgctGCCACTAGGGGGCAtgc cgctGCCACTAGGGGGCAtgctttGCCACTAGGGGGCAtgatctGCCACTAGGGGGC AtacgctGCCACTAGGGGGCA
7256	DNA; Synthetic Construct	TGCCCCCTACTGGCtgatctTGCCCCCTACTGGCtacgctTGCCCCCTACTGGCtgc cgctTGCCCCCTACTGGCtgctttTGCCCCCTACTGGCtgatctTGCCCCCTACTGG CtacgctTGCCCCCTACTGGC
7257	DNA; Synthetic Construct	GCCAGTAGGGGGCAtgatctGCCAGTAGGGGGCAtacgctGCCAGTAGGGGGCAtgc cgctGCCAGTAGGGGGCAtgctttGCCAGTAGGGGGCAtgatctGCCAGTAGGGGGC AtacgctGCCAGTAGGGGGCA
7258	DNA; Synthetic Construct	TGCCCCCTGGTGGCtgatctTGCCCCCTGGTGGCtacgctTGCCCCCTGGTGGCtgc cgctTGCCCCCTGGTGGCtgctttTGCCCCCTGGTGGCtgatctTGCCCCCTGGTGG CtacgctTGCCCCCTGGTGGC
7259	DNA; Synthetic Construct	GCCACCAGGGGGCAtgatctGCCACCAGGGGGCAtacgctGCCACCAGGGGGCAtgc cgctGCCACCAGGGGGCAtgctttGCCACCAGGGGGCAtgatctGCCACCAGGGGGC AtacgctGCCACCAGGGGGCA
7260	DNA; Synthetic Construct	TGCCCCCTGCTGGCtgatctTGCCCCCTGCTGGCtacgctTGCCCCCTGCTGGCtgc cgctTGCCCCCTGCTGGCtgctttTGCCCCCTGCTGGCtgatctTGCCCCCTGCTGG CtacgctTGCCCCCTGCTGGC
7261	DNA; Synthetic Construct	GCCAGCAGGGGGCAtgatctGCCAGCAGGGGGCAtacgctGCCAGCAGGGGGCAtgc cgctGCCAGCAGGGGGCAtgctttGCCAGCAGGGGGCAtgatctGCCAGCAGGGGGC AtacgctGCCAGCAGGGGGCA

7262	DNA; Synthetic Construct	TGCCCCCTTGTGGCtgatctTGCCCCCTTGTGGCtacgctTGCCCCCTTGTGGCtgc cgctTGCCCCCTTGTGGCtgctttTGCCCCCTTGTGGCtgatctTGCCCCCTTGTGG CtacgctTGCCCCCTTGTGGC
7263	DNA; Synthetic Construct	GCCACAAGGGGGCAtgatctGCCACAAGGGGGCAtacgctGCCACAAGGGGGCAtgc cgctGCCACAAGGGGGCAtgctttGCCACAAGGGGGCAtgatctGCCACAAGGGGGC AtacgctGCCACAAGGGGGCA
7264	DNA; Synthetic Construct	TGCCCCCTTCTGGCtgatctTGCCCCCTTCTGGCtacgctTGCCCCCTTCTGGCtgc cgctTGCCCCCTTCTGGCtgctttTGCCCCCTTCTGGCtgatctTGCCCCCTTCTGG CtacgctTGCCCCCTTCTGGC
7265	DNA; Synthetic Construct	GCCAGAAGGGGGCAtgatctGCCAGAAGGGGGCAtacgctGCCAGAAGGGGGCAtgc cgctGCCAGAAGGGGGCAtgctttGCCAGAAGGGGGCAtgatctGCCAGAAGGGGGC AtacgctGCCAGAAGGGGGCA
7266	DNA; Synthetic Construct	TGCCCTCTAGTGGCtgatctTGCCCTCTAGTGGCtacgctTGCCCTCTAGTGGCtgc cgctTGCCCTCTAGTGGCtgctttTGCCCTCTAGTGGCtgatctTGCCCTCTAGTGG CtacgctTGCCCTCTAGTGGC
7267	DNA; Synthetic Construct	GCCACTAGAGGGCAtgatctGCCACTAGAGGGCAtacgctGCCACTAGAGGGCAtgc cgctGCCACTAGAGGGCAtgctttGCCACTAGAGGGCAtgatctGCCACTAGAGGGC AtacgctGCCACTAGAGGGCA
7268	DNA; Synthetic Construct	TGCCCTCTACTGGCtgatctTGCCCTCTACTGGCtacgctTGCCCTCTACTGGCtgc cgctTGCCCTCTACTGGCtgctttTGCCCTCTACTGGCtgatctTGCCCTCTACTGG CtacgctTGCCCTCTACTGGC
7269	DNA; Synthetic Construct	GCCAGTAGAGGGCAtgatctGCCAGTAGAGGGCAtacgctGCCAGTAGAGGGCAtgc cgctGCCAGTAGAGGGCAtgctttGCCAGTAGAGGGCAtgatctGCCAGTAGAGGGC AtacgctGCCAGTAGAGGGCA
7270	DNA; Synthetic Construct	TGCCCTCTGGTGGCtgatctTGCCCTCTGGTGGCtacgctTGCCCTCTGGTGGCtgc cgctTGCCCTCTGGTGGCtgctttTGCCCTCTGGTGGCtgatctTGCCCTCTGGTGG CtacgctTGCCCTCTGGTGGC
7271	DNA; Synthetic Construct	GCCACCAGAGGGCAtgatctGCCACCAGAGGGCAtacgctGCCACCAGAGGGCAtgc cgctGCCACCAGAGGGCAtgctttGCCACCAGAGGGCAtgatctGCCACCAGAGGGC AtacgctGCCACCAGAGGGCA
7272	DNA; Synthetic Construct	TGCCCTCTGCTGGCtgatctTGCCCTCTGCTGGCtacgctTGCCCTCTGCTGGCtgc cgctTGCCCTCTGCTGGCtgctttTGCCCTCTGCTGGCtgatctTGCCCTCTGCTGG CtacgctTGCCCTCTGCTGGC
7273	DNA; Synthetic Construct	GCCAGCAGAGGGCAtgatctGCCAGCAGAGGGCAtacgctGCCAGCAGAGGGCAtgc cgctGCCAGCAGAGGGCAtgctttGCCAGCAGAGGGCAtgatctGCCAGCAGAGGGC AtacgctGCCAGCAGAGGGCA
7274	DNA; Synthetic Construct	TGCCCTCTTGTGGCtgatctTGCCCTCTTGTGGCtacgctTGCCCTCTTGTGGCtgc cgctTGCCCTCTTGTGGCtgctttTGCCCTCTTGTGGCtgatctTGCCCTCTTGTGG CtacgctTGCCCTCTTGTGGC
7275	DNA; Synthetic Construct	GCCACAAGAGGGCAtgatctGCCACAAGAGGGCAtacgctGCCACAAGAGGGCAtgc cgctGCCACAAGAGGGCAtgctttGCCACAAGAGGGCAtgatctGCCACAAGAGGGC AtacgctGCCACAAGAGGGCA
7276	DNA; Synthetic Construct	TGCCCTCTTCTGGCtgatctTGCCCTCTTCTGGCtacgctTGCCCTCTTCTGGCtgc cgctTGCCCTCTTCTGGCtgctttTGCCCTCTTCTGGCtgatctTGCCCTCTTCTGG CtacgctTGCCCTCTTCTGGC
7277	DNA; Synthetic Construct	GCCAGAAGAGGGCAtgatctGCCAGAAGAGGGCAtacgctGCCAGAAGAGGGCAtgc cgctGCCAGAAGAGGGCAtgctttGCCAGAAGAGGGCAtgatctGCCAGAAGAGGGC AtacgctGCCAGAAGAGGGCA
7278	DNA; Synthetic Construct	TGTTGCCTAGCAACAtgatctTGTTGCCTAGCAACAtacgctTGTTGCCTAGCAACA tgccgctTGTTGCCTAGCAACAtgctttTGTTGCCTAGCAACAtgatctTGTTGCCT AGCAACAtacgctTGTTGCCTAGCAACA
7279	DNA; Synthetic Construct	TGTTGCTAGGCAACAtgatctTGTTGCTAGGCAACAtacgctTGTTGCTAGGCAACA tgccgctTGTTGCTAGGCAACAtgctttTGTTGCTAGGCAACAtgatctTGTTGCTA GGCAACAtacgctTGTTGCTAGGCAACA

7280	DNA; Synthetic Construct	TGTTGCCTAGCAACCtgatctTGTTGCCTAGCAACCtacgctTGTTGCCTAGCAACC tgccgctTGTTGCCTAGCAACCtgctttTGTTGCCTAGCAACCtgatctTGTTGCCT AGCAACCtacgctTGTTGCCTAGCAACC
7281	DNA; Synthetic Construct	GGTTGCTAGGCAACAtgatctGGTTGCTAGGCAACAtacgctGGTTGCTAGGCAACA tgccgctGGTTGCTAGGCAACAtgctttGGTTGCTAGGCAACAtgatctGGTTGCTA GGCAACAtacgctGGTTGCTAGGCAACA
7282	DNA; Synthetic Construct	TGTTTCCTAGCAACAtgatctTGTTTCCTAGCAACAtacgctTGTTTCCTAGCAACA tgccgctTGTTTCCTAGCAACAtgctttTGTTTCCTAGCAACAtgatctTGTTTCCT AGCAACAtacgctTGTTTCCTAGCAACA
7283	DNA; Synthetic Construct	TGTTGCTAGGAAACAtgatctTGTTGCTAGGAAACAtacgctTGTTGCTAGGAAACA tgccgctTGTTGCTAGGAAACAtgctttTGTTGCTAGGAAACAtgatctTGTTGCTA GGAAACAtacgctTGTTGCTAGGAAACA
7284	DNA; Synthetic Construct	TGTTTCCTAGCAACCtgatctTGTTTCCTAGCAACCtacgctTGTTTCCTAGCAACC tgccgctTGTTTCCTAGCAACCtgctttTGTTTCCTAGCAACCtgatctTGTTTCCT AGCAACCtacgctTGTTTCCTAGCAACC
7285	DNA; Synthetic Construct	GGTTGCTAGGAAACAtgatctGGTTGCTAGGAAACAtacgctGGTTGCTAGGAAACA tgccgctGGTTGCTAGGAAACAtgctttGGTTGCTAGGAAACAtgatctGGTTGCTA GGAAACAtacgctGGTTGCTAGGAAACA
7286	DNA; Synthetic Construct	GACAGTCAGAGGGAGGAGGCtgccgctGACAGTCAGAGGGAGGAGGCtgctttGACA GTCAGAGGGAGGAGGCtgatctGACAGTCAGAGGGAGGAGGCtacgctGACAGTCAG AGGGAGGAGGC
7287	DNA; Synthetic Construct	GCCTCCTCCCTCTGACTGTCtgccgctGCCTCCTCCCTCTGACTGTCtgctttGCCT CCTCCCTCTGACTGTCtgatctGCCTCCTCCCTCTGACTGTCtacgctGCCTCCTCC CTCTGACTGTC
7288	DNA; Synthetic Construct	GACAGTCAGATGGAGGAGGCtgccgctGACAGTCAGATGGAGGAGGCtgctttGACA GTCAGATGGAGGAGGCtgatctGACAGTCAGATGGAGGAGGCtacgctGACAGTCAG ATGGAGGAGGC
7289	DNA; Synthetic Construct	GCCTCCTCCATCTGACTGTCtgccgctGCCTCCTCCATCTGACTGTCtgctttGCCT CCTCCATCTGACTGTCtgatctGCCTCCTCCATCTGACTGTCtacgctGCCTCCTCC ATCTGACTGTC
7290	DNA; Synthetic Construct	GACAGTCTGAGGGAGGAGGCtgccgctGACAGTCTGAGGGAGGAGGCtgctttGACA GTCTGAGGGAGGAGGCtgatctGACAGTCTGAGGGAGGAGGCtacgctGACAGTCTG AGGGAGGAGGC
7291	DNA; Synthetic Construct	GCCTCCTCCCTCAGACTGTCtgccgctGCCTCCTCCCTCAGACTGTCtgctttGCCT CCTCCCTCAGACTGTCtgatctGCCTCCTCCCTCAGACTGTCtacgctGCCTCCTCC CTCAGACTGTC
7292	DNA; Synthetic Construct	GACAGTCTGATGGAGGAGGCtgccgctGACAGTCTGATGGAGGAGGCtgctttGACA GTCTGATGGAGGAGGCtgatctGACAGTCTGATGGAGGAGGCtacgctGACAGTCTG ATGGAGGAGGC
7293	DNA; Synthetic Construct	GCCTCCTCCATCAGACTGTCtgccgctGCCTCCTCCATCAGACTGTCtgctttGCCT CCTCCATCAGACTGTCtgatctGCCTCCTCCATCAGACTGTCtacgctGCCTCCTCC ATCAGACTGTC
7294	DNA; Synthetic Construct	GCCAGTCAGAGGGAGGAGGCtgccgctGCCAGTCAGAGGGAGGAGGCtgctttGCCA GTCAGAGGGAGGAGGCtgatctGCCAGTCAGAGGGAGGAGGCtacgctGCCAGTCAG AGGGAGGAGGC
7295	DNA; Synthetic Construct	GCCTCCTCCCTCTGACTGGCtgccgctGCCTCCTCCCTCTGACTGGCtgctttGCCT CCTCCCTCTGACTGGCtgatctGCCTCCTCCCTCTGACTGGCtacgctGCCTCCTCC CTCTGACTGGC
7296	DNA; Synthetic Construct	GCCAGTCAGATGGAGGAGGCtgccgctGCCAGTCAGATGGAGGAGGCtgctttGCCA GTCAGATGGAGGAGGCtgatctGCCAGTCAGATGGAGGAGGCtacgctGCCAGTCAG ATGGAGGAGGC
7297	DNA; Synthetic Construct	GCCTCCTCCATCTGACTGGCtgccgctGCCTCCTCCATCTGACTGGCtgctttGCCT CCTCCATCTGACTGGCtgatctGCCTCCTCCATCTGACTGGCtacgctGCCTCCTCC ATCTGACTGGC

7298	DNA; Synthetic Construct	GCCAGTCTGAGGGAGGAGGCtgccgctGCCAGTCTGAGGGAGGAGGCtgctttGCCA GTCTGAGGGAGGAGGCtgatctGCCAGTCTGAGGGAGGAGGCtacgctGCCAGTCTG AGGGAGGAGGC
7299	DNA; Synthetic Construct	GCCTCCTCCCTCAGACTGGCtgccgctGCCTCCTCCCTCAGACTGGCtgctttGCCT CCTCCCTCAGACTGGCtgatctGCCTCCTCCCTCAGACTGGCtacgctGCCTCCTCC CTCAGACTGGC
7300	DNA; Synthetic Construct	GCCAGTCTGATGGAGGAGGCtgccgctGCCAGTCTGATGGAGGAGGCtgctttGCCA GTCTGATGGAGGAGGCtgatctGCCAGTCTGATGGAGGAGGCtacgctGCCAGTCTG ATGGAGGAGGC
7301	DNA; Synthetic Construct	GCCTCCTCCATCAGACTGGCtgccgctGCCTCCTCCATCAGACTGGCtgctttGCCT CCTCCATCAGACTGGCtgatctGCCTCCTCCATCAGACTGGCtacgctGCCTCCTCC ATCAGACTGGC
7302	DNA; Synthetic Construct	CACAGTCAGAGGGAGGAGGCtgccgctCACAGTCAGAGGGAGGAGGCtgctttCACA GTCAGAGGGAGGAGGCtgatctCACAGTCAGAGGGAGGAGGCtacgctCACAGTCAG AGGGAGGAGGC
7303	DNA; Synthetic Construct	GCCTCCTCCCTCTGACTGTGtgccgctGCCTCCTCCCTCTGACTGTGtgctttGCCT CCTCCCTCTGACTGTGtgatctGCCTCCTCCCTCTGACTGTGtacgctGCCTCCTCC CTCTGACTGTG
7304	DNA; Synthetic Construct	CACAGTCAGATGGAGGAGGCtgccgctCACAGTCAGATGGAGGAGGCtgctttCACA GTCAGATGGAGGAGGCtgatctCACAGTCAGATGGAGGAGGCtacgctCACAGTCAG ATGGAGGAGGC
7305	DNA; Synthetic Construct	GCCTCCTCCATCTGACTGTGtgccgctGCCTCCTCCATCTGACTGTGtgctttGCCT CCTCCATCTGACTGTGtgatctGCCTCCTCCATCTGACTGTGtacgctGCCTCCTCC ATCTGACTGTG
7306	DNA; Synthetic Construct	CACAGTCTGAGGGAGGAGGCtgccgctCACAGTCTGAGGGAGGAGGCtgctttCACA GTCTGAGGGAGGAGGCtgatctCACAGTCTGAGGGAGGAGGCtacgctCACAGTCTG AGGGAGGAGGC
7307	DNA; Synthetic Construct	GCCTCCTCCCTCAGACTGTGtgccgctGCCTCCTCCCTCAGACTGTGtgctttGCCT CCTCCCTCAGACTGTGtgatctGCCTCCTCCCTCAGACTGTGtacgctGCCTCCTCC CTCAGACTGTG
7308	DNA; Synthetic Construct	CACAGTCTGATGGAGGAGGCtgccgctCACAGTCTGATGGAGGAGGCtgctttCACA GTCTGATGGAGGAGGCtgatctCACAGTCTGATGGAGGAGGCtacgctCACAGTCTG ATGGAGGAGGC
7309	DNA; Synthetic Construct	GCCTCCTCCATCAGACTGTGtgccgctGCCTCCTCCATCAGACTGTGtgctttGCCT CCTCCATCAGACTGTGtgatctGCCTCCTCCATCAGACTGTGtacgctGCCTCCTCC ATCAGACTGTG
7310	DNA; Synthetic Construct	CCCAGTCAGAGGGAGGAGGCtgccgctCCCAGTCAGAGGGAGGAGGCtgctttCCCA GTCAGAGGGAGGAGGCtgatctCCCAGTCAGAGGGAGGAGGCtacgctCCCAGTCAG AGGGAGGAGGC
7311	DNA; Synthetic Construct	GCCTCCTCCCTCTGACTGGGtgccgctGCCTCCTCCCTCTGACTGGGtgctttGCCT CCTCCCTCTGACTGGGtgatctGCCTCCTCCCTCTGACTGGGtacgctGCCTCCTCC CTCTGACTGGG
7312	DNA; Synthetic Construct	CCCAGTCAGATGGAGGAGGCtgccgctCCCAGTCAGATGGAGGAGGCtgctttCCCA GTCAGATGGAGGAGGCtgatctCCCAGTCAGATGGAGGAGGCtacgctCCCAGTCAG ATGGAGGAGGC
7313	DNA; Synthetic Construct	GCCTCCTCCATCTGACTGGGtgccgctGCCTCCTCCATCTGACTGGGtgctttGCCT CCTCCATCTGACTGGGtgatctGCCTCCTCCATCTGACTGGGtacgctGCCTCCTCC ATCTGACTGGG
7314	DNA; Synthetic Construct	CCCAGTCTGAGGGAGGAGGCtgccgctCCCAGTCTGAGGGAGGAGGCtgctttCCCA GTCTGAGGGAGGAGGCtgatctCCCAGTCTGAGGGAGGAGGCtacgctCCCAGTCTG AGGGAGGAGGC
7315	DNA; Synthetic Construct	GCCTCCTCCCTCAGACTGGGtgccgctGCCTCCTCCCTCAGACTGGGtgctttGCCT CCTCCCTCAGACTGGGtgatctGCCTCCTCCCTCAGACTGGGtacgctGCCTCCTCC CTCAGACTGGG

7316	DNA; Synthetic Construct	CCCAGTCTGATGGAGGAGGCtgccgctCCCAGTCTGATGGAGGAGGCtgctttCCCA GTCTGATGGAGGAGGCtgatctCCCAGTCTGATGGAGGAGGCtacgctCCCAGTCTG ATGGAGGAGGC
7317	DNA; Synthetic Construct	GCCTCCTCCATCAGACTGGGtgccgctGCCTCCTCCATCAGACTGGGtgctttGCCT CCTCCATCAGACTGGGtgatctGCCTCCTCCATCAGACTGGGtacgctGCCTCCTCC ATCAGACTGGG
7318	DNA; Synthetic Construct	CCCCCCCACtacgctCCCCCCCACtgccgctCCCCCCCACtgctttCCCCCCCACtg atctCCCCCCCACtacgctCCCCCCCACtgccgctCCCCCCCACtgctttCCCCCCC ACtgatctCCCCCCCACtacgctCCCCCCCAC
7319	DNA; Synthetic Construct	GTGGGGGGGtacgctGTGGGGGGGtgccgctGTGGGGGGGtgctttGTGGGGGGGtg atctGTGGGGGGGtacgctGTGGGGGGGtgccgctGTGGGGGGGtgctttGTGGGGG GGtgatctGTGGGGGGGtacgctGTGGGGGGG
7320	DNA; Synthetic Construct	TGTTTATTTTGGCAtgatctTGTTTATTTTGGCAtacgctTGTTTATTTTGGCAtgc cgcttGTTTATTTTGGCAtgctttTGTTTATTTTGGCAtgatctTGTTTATTTTGGC AtacgctTGTTTATTTTGGCA
7321	DNA; Synthetic Construct	TGCCAAAATAAACAtgatctTGCCAAAATAAACAtacgctTGCCAAAATAAACAtgc cgcttGCCAAAATAAACAtgctttTGCCAAAATAAACAtgatctTGCCAAAATAAAC AtacgctTGCCAAAATAAACA
7322	DNA; Synthetic Construct	GAGATAAGtacgctGAGATAAGtgccgctGAGATAAGtgctttGAGATAAGtgatct GAGATAAGtacgctGAGATAAGtgccgctGAGATAAGtgctttGAGATAAGtgatct GAGATAAGtacgctGAGATAAG
7323	DNA; Synthetic Construct	CTTATCTCtacgctCTTATCTCtgccgctCTTATCTCtgctttCTTATCTCtgatct CTTATCTCtacgctCTTATCTCtgccgctCTTATCTCtgctttCTTATCTCtgatct CTTATCTCtacgctCTTATCTC
7324	DNA; Synthetic Construct	CAGATAAGtacgctCAGATAAGtgccgctCAGATAAGtgctttCAGATAAGtgatct CAGATAAGtacgctCAGATAAGtgccgctCAGATAAGtgctttCAGATAAGtgatct CAGATAAGtacgctCAGATAAG
7325	DNA; Synthetic Construct	CTTATCTGtacgctCTTATCTGtgccgctCTTATCTGtgctttCTTATCTGtgatct CTTATCTGtacgctCTTATCTGtgccgctCTTATCTGtgctttCTTATCTGtgatct CTTATCTGtacgctCTTATCTG
7326	DNA; Synthetic Construct	TAATGATTAAtgccgctTAATGATTAAtgctttTAATGATTAAtgatctTAATGATT AAtacgctTAATGATTAAtgccgctTAATGATTAAtgctttTAATGATTAAtgatct TAATGATTAAtacgctTAATGATTAA
7327	DNA; Synthetic Construct	TTAATCATTAtgccgcttTTAATCATTAtgctttTTAATCATTAtgatcttTTAATCAT TAtacgcttTTAATCATTAtgccgcttTTAATCATTAtgctttTTAATCATTAtgatct TTAATCATTAtacgcttTTAATCATTA
7328	DNA; Synthetic Construct	TAATGATTATtgccgctTAATGATTATtgctttTAATGATTATtgatctTAATGATT ATtacgctTAATGATTATtgccgctTAATGATTATtgctttTAATGATTATtgatct TAATGATTATtacgctTAATGATTAT
7329	DNA; Synthetic Construct	ATAATCATTAtgccgctATAATCATTAtgctttATAATCATTAtgatctATAATCAT TAtacgctATAATCATTAtgccgctATAATCATTAtgctttATAATCATTAtgatct ATAATCATTAtacgctATAATCATTA
7330	DNA; Synthetic Construct	TAATGATTTAtgccgctTAATGATTTAtgctttTAATGATTTAtgatctTAATGATT TAtacgctTAATGATTTAtgccgctTAATGATTTAtgctttTAATGATTTAtgatct TAATGATTTAtacgctTAATGATTTA
7331	DNA; Synthetic Construct	TAAATCATTAtgccgctTAAATCATTAtgctttTAAATCATTAtgatctTAAATCAT TAtacgctTAAATCATTAtgccgctTAAATCATTAtgctttTAAATCATTAtgatct TAAATCATTAtacgctTAAATCATTA
7332	DNA; Synthetic Construct	TAATGATTTTtgccgctTAATGATTTTtgctttTAATGATTTTtgatctTAATGATT TTtacgctTAATGATTTTtgccgctTAATGATTTTtgctttTAATGATTTTtgatct TAATGATTTTtacgctTAATGATTTT
7333	DNA; Synthetic Construct	AAAATCATTAtgccgctAAAATCATTAtgctttAAAATCATTAtgatctAAAATCAT TAtacgctAAAATCATTAtgccgctAAAATCATTAtgctttAAAATCATTAtgatct AAAATCATTAtacgctAAAATCATTA

7334	DNA; Synthetic Construct	TAATGGTTAAtgccgctTAATGGTTAAtgctttTAATGGTTAAtgatctTAATGGTT AAtacgctTAATGGTTAAtgccgctTAATGGTTAAtgctttTAATGGTTAAtgatct TAATGGTTAAtacgctTAATGGTTAA
7335	DNA; Synthetic Construct	TTAACCATTAtgccgctTTAACCATTAtgctttTTAACCATTAtgatctTTAACCAT TAtacgctTTAACCATTAtgccgctTTAACCATTAtgctttTTAACCATTAtgatct TTAACCATTAtacgctTTAACCATTA
7336	DNA; Synthetic Construct	TAATGGTTATtgccgctTAATGGTTATtgctttTAATGGTTATtgatctTAATGGTT ATtacgctTAATGGTTATtgccgctTAATGGTTATtgctttTAATGGTTATtgatct TAATGGTTATtacgctTAATGGTTAT
7337	DNA; Synthetic Construct	ATAACCATTAtgccgctATAACCATTAtgctttATAACCATTAtgatctATAACCAT TAtacgctATAACCATTAtgccgctATAACCATTAtgctttATAACCATTAtgatct ATAACCATTAtacgctATAACCATTA
7338	DNA; Synthetic Construct	TAATGGTTTAtgccgctTAATGGTTTAtgctttTAATGGTTTAtgatctTAATGGTT TAtacgctTAATGGTTTAtgccgctTAATGGTTTAtgctttTAATGGTTTAtgatct TAATGGTTTAtacgctTAATGGTTTA
7339	DNA; Synthetic Construct	TAAACCATTAtgccgctTAAACCATTAtgctttTAAACCATTAtgatctTAAACCAT TAtacgctTAAACCATTAtgccgctTAAACCATTAtgctttTAAACCATTAtgatct TAAACCATTAtacgctTAAACCATTA
7340	DNA; Synthetic Construct	TAATGGTTTTtgccgctTAATGGTTTTtgctttTAATGGTTTTtgatctTAATGGTT TTtacgctTAATGGTTTTtgccgctTAATGGTTTTtgctttTAATGGTTTTtgatct TAATGGTTTTtacgctTAATGGTTTT
7341	DNA; Synthetic Construct	AAAACCATTAtgccgctAAAACCATTAtgctttAAAACCATTAtgatctAAAACCAT TAtacgctAAAACCATTAtgccgctAAAACCATTAtgctttAAAACCATTAtgatct AAAACCATTAtacgctAAAACCATTA
7342	DNA; Synthetic Construct	TAATTATTAAtgccgctTAATTATTAAtgctttTAATTATTAAtgatctTAATTATT AAtacgctTAATTATTAAtgccgctTAATTATTAAtgctttTAATTATTAAtgatct TAATTATTAAtacgctTAATTATTAA
7343	DNA; Synthetic Construct	TTAATAATTAtgccgctTTAATAATTAtgctttTTAATAATTAtgatctTTAATAAT TAtacgctTTAATAATTAtgccgctTTAATAATTAtgctttTTAATAATTAtgatct TTAATAATTAtacgctTTAATAATTA
7344	DNA; Synthetic Construct	TAATTATTATtgccgctTAATTATTATtgctttTAATTATTATtgatctTAATTATT ATtacgctTAATTATTATtgccgctTAATTATTATtgctttTAATTATTATtgatct TAATTATTATtacgctTAATTATTAT
7345	DNA; Synthetic Construct	ATAATAATTAtgccgctATAATAATTAtgctttATAATAATTAtgatctATAATAAT TAtacgctATAATAATTAtgccgctATAATAATTAtgctttATAATAATTAtgatct ATAATAATTAtacgctATAATAATTA
7346	DNA; Synthetic Construct	TAATTATTTAtgccgctTAATTATTTAtgctttTAATTATTTAtgatctTAATTATT TAtacgctTAATTATTTAtgccgctTAATTATTTAtgctttTAATTATTTAtgatct TAATTATTTAtacgctTAATTATTTA
7347	DNA; Synthetic Construct	TAAATAATTAtgccgctTAAATAATTAtgctttTAAATAATTAtgatctTAAATAAT TAtacgctTAAATAATTAtgccgctTAAATAATTAtgctttTAAATAATTAtgatct TAAATAATTAtacgctTAAATAATTA
7348	DNA; Synthetic Construct	TAATTATTTTtgccgctTAATTATTTTtgctttTAATTATTTTtgatctTAATTATT TTtacgctTAATTATTTTtgccgctTAATTATTTTtgctttTAATTATTTTtgatct TAATTATTTTtacgctTAATTATTTT
7349	DNA; Synthetic Construct	AAAATAATTAtgccgctAAAATAATTAtgctttAAAATAATTAtgatctAAAATAAT TAtacgctAAAATAATTAtgccgctAAAATAATTAtgctttAAAATAATTAtgatct AAAATAATTAtacgctAAAATAATTA
7350	DNA; Synthetic Construct	TAATTGTTAAtgccgctTAATTGTTAAtgctttTAATTGTTAAtgatctTAATTGTT AAtacgctTAATTGTTAAtgccgctTAATTGTTAAtgctttTAATTGTTAAtgatct TAATTGTTAAtacgctTAATTGTTAA
7351	DNA; Synthetic Construct	TTAACAATTAtgccgctTTAACAATTAtgctttTTAACAATTAtgatctTTAACAAT TAtacgctTTAACAATTAtgccgctTTAACAATTAtgctttTTAACAATTAtgatct TTAACAATTAtacgctTTAACAATTA

7352	DNA; Synthetic Construct	TAATTGTTATtgccgctTAATTGTTATtgctttTAATTGTTATtgatctTAATTGTT ATtacgctTAATTGTTATtgccgctTAATTGTTATtgctttTAATTGTTATtgatct TAATTGTTATtacgctTAATTGTTAT
7353	DNA; Synthetic Construct	ATAACAATTAtgccgctATAACAATTAtgctttATAACAATTAtgatctATAACAAT TAtacgctATAACAATTAtgccgctATAACAATTAtgctttATAACAATTAtgatct ATAACAATTAtacgctATAACAATTA
7354	DNA; Synthetic Construct	TAATTGTTTAtgccgctTAATTGTTTAtgctttTAATTGTTTAtgatctTAATTGTT TAtacgctTAATTGTTTAtgccgctTAATTGTTTAtgctttTAATTGTTTAtgatct TAATTGTTTAtacgctTAATTGTTTA
7355	DNA; Synthetic Construct	TAAACAATTAtgccgctTAAACAATTAtgctttTAAACAATTAtgatctTAAACAAT TAtacgctTAAACAATTAtgccgctTAAACAATTAtgctttTAAACAATTAtgatct TAAACAATTAtacgctTAAACAATTA
7356	DNA; Synthetic Construct	TAATTGTTTTtgccgctTAATTGTTTTtgctttTAATTGTTTTtgatctTAATTGTT TTtacgctTAATTGTTTTtgccgctTAATTGTTTTtgctttTAATTGTTTTtgatct TAATTGTTTTtacgctTAATTGTTTT
7357	DNA; Synthetic Construct	AAAACAATTAtgccgctAAAACAATTAtgctttAAAACAATTAtgatctAAAACAAT TAtacgctAAAACAATTAtgccgctAAAACAATTAtgctttAAAACAATTAtgatct AAAACAATTAtacgctAAAACAATTA
7358	DNA; Synthetic Construct	ACATCAAAGGtgccgctACATCAAAGGtgctttACATCAAAGGtgatctACATCAAA GGtacgctACATCAAAGGtgccgctACATCAAAGGtgctttACATCAAAGGtgatct ACATCAAAGGtacgctACATCAAAGG
7359	DNA; Synthetic Construct	CCTTTGATGTtgccgctCCTTTGATGTtgctttCCTTTGATGTtgatctCCTTTGAT GTtacgctCCTTTGATGTtgccgctCCTTTGATGTtgctttCCTTTGATGTtgatct CCTTTGATGTtacgctCCTTTGATGT
7360	DNA; Synthetic Construct	GGCTAGCCCtacgctGGCTAGCCCtgccgctGGCTAGCCCtgctttGGCTAGCCCtg atctGGCTAGCCCtacgctGGCTAGCCCtgccgctGGCTAGCCCtgctttGGCTAGC CCtgatctGGCTAGCCCtacgctGGCTAGCCC
7361	DNA; Synthetic Construct	GGGCTAGCCtacgctGGGCTAGCCtgccgctGGGCTAGCCtgctttGGGCTAGCCtg atctGGGCTAGCCtacgctGGGCTAGCCtgccgctGGGCTAGCCtgctttGGGCTAG CCtgatctGGGCTAGCCtacgctGGGCTAGCC
7362	DNA; Synthetic Construct	TTCCAAGAAtacgctTTCCAAGAAtgccgctTTCCAAGAAtgctttTTCCAAGAAtg atctTTCCAAGAAtacgctTTCCAAGAAtgccgctTTCCAAGAAtgctttTTCCAAG AAtgatctTTCCAAGAAtacgctTTCCAAGAA
7363	DNA; Synthetic Construct	TTCTTGGAAtacgctTTCTTGGAAtgccgctTTCTTGGAAtgctttTTCTTGGAAtg atctTTCTTGGAAtacgctTTCTTGGAAtgccgctTTCTTGGAAtgctttTTCTTGG AAtgatctTTCTTGGAAtacgctTTCTTGGAA
7364	DNA; Synthetic Construct	TTCCAGGAAtacgctTTCCAGGAAtgccgctTTCCAGGAAtgctttTTCCAGGAAtg atctTTCCAGGAAtacgctTTCCAGGAAtgccgctTTCCAGGAAtgctttTTCCAGG AAtgatctTTCCAGGAAtacgctTTCCAGGAA
7365	DNA; Synthetic Construct	TTCCTGGAAtacgctTTCCTGGAAtgccgctTTCCTGGAAtgctttTTCCTGGAAtg atctTTCCTGGAAtacgctTTCCTGGAAtgccgctTTCCTGGAAtgctttTTCCTGG AAtgatctTTCCTGGAAtacgctTTCCTGGAA
7366	DNA; Synthetic Construct	TTCCCAGAAtacgctTTCCCAGAAtgccgctTTCCCAGAAtgctttTTCCCAGAAtg atctTTCCCAGAAtacgctTTCCCAGAAtgccgctTTCCCAGAAtgctttTTCCCAG AAtgatctTTCCCAGAAtacgctTTCCCAGAA
7367	DNA; Synthetic Construct	TTCTGGGAAtacgctTTCTGGGAAtgccgctTTCTGGGAAtgctttTTCTGGGAAtg atctTTCTGGGAAtacgctTTCTGGGAAtgccgctTTCTGGGAAtgctttTTCTGGG AAtgatctTTCTGGGAAtacgctTTCTGGGAA
7368	DNA; Synthetic Construct	TTCCCGGAAtacgctTTCCCGGAAtgccgctTTCCCGGAAtgctttTTCCCGGAAtg atctTTCCCGGAAtacgctTTCCCGGAAtgccgctTTCCCGGAAtgctttTTCCCGG AAtgatctTTCCCGGAAtacgctTTCCCGGAA
7369	DNA; Synthetic Construct	TTCCGGGAAtacgctTTCCGGGAAtgccgctTTCCGGGAAtgctttTTCCGGGAAtg atctTTCCGGGAAtacgctTTCCGGGAAtgccgctTTCCGGGAAtgctttTTCCGGG AAtgatctTTCCGGGAAtacgctTTCCGGGAA

7370	DNA; Synthetic Construct	TTCTAAGAAtacgctTTCTAAGAAtgccgctTTCTAAGAAtgctttTTCTAAGAAtg atctTTCTAAGAAtacgctTTCTAAGAAtgccgctTTCTAAGAAtgctttTTCTAAG AAtgatctTTCTAAGAAtacgctTTCTAAGAA
7371	DNA; Synthetic Construct	TTCTTAGAAtacgctTTCTTAGAAtgccgctTTCTTAGAAtgctttTTCTTAGAAtg atctTTCTTAGAAtacgctTTCTTAGAAtgccgctTTCTTAGAAtgctttTTCTTAG AAtgatctTTCTTAGAAtacgctTTCTTAGAA
7372	DNA; Synthetic Construct	TTCTAGGAAtacgctTTCTAGGAAtgccgctTTCTAGGAAtgctttTTCTAGGAAtg atctTTCTAGGAAtacgctTTCTAGGAAtgccgctTTCTAGGAAtgctttTTCTAGG AAtgatctTTCTAGGAAtacgctTTCTAGGAA
7373	DNA; Synthetic Construct	TTCCTAGAAtacgctTTCCTAGAAtgccgctTTCCTAGAAtgctttTTCCTAGAAtg atctTTCCTAGAAtacgctTTCCTAGAAtgccgctTTCCTAGAAtgctttTTCCTAG AAtgatctTTCCTAGAAtacgctTTCCTAGAA
7374	DNA; Synthetic Construct	TTCTCAGAAtacgctTTCTCAGAAtgccgctTTCTCAGAAtgctttTTCTCAGAAtg atctTTCTCAGAAtacgctTTCTCAGAAtgccgctTTCTCAGAAtgctttTTCTCAG AAtgatctTTCTCAGAAtacgctTTCTCAGAA
7375	DNA; Synthetic Construct	TTCTGAGAAtacgctTTCTGAGAAtgccgctTTCTGAGAAtgctttTTCTGAGAAtg atctTTCTGAGAAtacgctTTCTGAGAAtgccgctTTCTGAGAAtgctttTTCTGAG AAtgatctTTCTGAGAAtacgctTTCTGAGAA
7376	DNA; Synthetic Construct	TTCTCGGAAtacgctTTCTCGGAAtgccgctTTCTCGGAAtgctttTTCTCGGAAtg atctTTCTCGGAAtacgctTTCTCGGAAtgccgctTTCTCGGAAtgctttTTCTCGG AAtgatctTTCTCGGAAtacgctTTCTCGGAA
7377	DNA; Synthetic Construct	TTCCGAGAAtacgctTTCCGAGAAtgccgctTTCCGAGAAtgctttTTCCGAGAAtg atctTTCCGAGAAtacgctTTCCGAGAAtgccgctTTCCGAGAAtgctttTTCCGAG AAtgatctTTCCGAGAAtacgctTTCCGAGAA
7378	DNA; Synthetic Construct	GTGGGAAAGCCTtgctttGTGGGAAAGCCTtgatctGTGGGAAAGCCTtacgctGTG GGAAAGCCTtgccgctGTGGGAAAGCCTtgctttGTGGGAAAGCCTtgatctGTGGG AAAGCCTtacgctGTGGGAAAGCCT
7379	DNA; Synthetic Construct	AGGCTTTCCCACtgctttAGGCTTTCCCACtgatctAGGCTTTCCCACtacgctAGG CTTTCCCACtgccgctAGGCTTTCCCACtgctttAGGCTTTCCCACtgatctAGGCT TTCCCACtacgctAGGCTTTCCCAC
7380	DNA; Synthetic Construct	CCCCGCCCCCTCCCCCACCCtgccgctCCCCGCCCCCTCCCCCACCCtgctttCCCC GCCCCCTCCCCCACCCtgatctCCCCGCCCCCTCCCCCACCCtacgctCCCCGCCCC CTCCCCCACCC
7381	DNA; Synthetic Construct	GGGTGGGGGAGGGGGCGGGGtgccgctGGGTGGGGGAGGGGGCGGGGtgctttGGGT GGGGGAGGGGGCGGGGtgatctGGGTGGGGGAGGGGGCGGGGtacgctGGGTGGGGG AGGGGGCGGGG
7382	DNA; Synthetic Construct	CCCCGCCCCCTCCCCCACCTtgccgctCCCCGCCCCCTCCCCCACCTtgctttCCCC GCCCCCTCCCCCACCTtgatctCCCCGCCCCCTCCCCCACCTtacgctCCCCGCCCC CTCCCCCACCT
7383	DNA; Synthetic Construct	AGGTGGGGGAGGGGGCGGGGtgccgctAGGTGGGGGAGGGGGCGGGGtgctttAGGT GGGGGAGGGGGCGGGGtgatctAGGTGGGGGAGGGGGCGGGGtacgctAGGTGGGGG AGGGGGCGGGG
7384	DNA; Synthetic Construct	CCCCGCCTCCTCCCCCACCCtgccgctCCCCGCCTCCTCCCCCACCCtgctttCCCC GCCTCCTCCCCCACCCtgatctCCCCGCCTCCTCCCCCACCCtacgctCCCCGCCTC CTCCCCCACCC
7385	DNA; Synthetic Construct	GGGTGGGGGAGGAGGCGGGGtgccgctGGGTGGGGGAGGAGGCGGGGtgctttGGGT GGGGGAGGAGGCGGGGtgatctGGGTGGGGGAGGAGGCGGGGtacgctGGGTGGGGG AGGAGGCGGGG
7386	DNA; Synthetic Construct	CCCCGCCTCCTCCCCCACCTtgccgctCCCCGCCTCCTCCCCCACCTtgctttCCCC GCCTCCTCCCCCACCTtgatctCCCCGCCTCCTCCCCCACCTtacgctCCCCGCCTC CTCCCCCACCT
7387	DNA; Synthetic Construct	AGGTGGGGGAGGAGGCGGGGtgccgctAGGTGGGGGAGGAGGCGGGGtgctttAGGT GGGGGAGGAGGCGGGGtgatctAGGTGGGGGAGGAGGCGGGGtacgctAGGTGGGGG AGGAGGCGGGG

7388	DNA; Synthetic Construct	CTCCGCCCCCTCCCCCACCCtgccgctCTCCGCCCCCTCCCCCACCCtgctttCTCC GCCCCCTCCCCCACCCtgatctCTCCGCCCCCTCCCCCACCCtacgctCTCCGCCCC CTCCCCCACCC
7389	DNA; Synthetic Construct	GGGTGGGGGAGGGGGCGGAGtgccgctGGGTGGGGGAGGGGGCGGAGtgctttGGGT GGGGGAGGGGGCGGAGtgatctGGGTGGGGGAGGGGGCGGAGtacgctGGGTGGGGG AGGGGGCGGAG
7390	DNA; Synthetic Construct	CTCCGCCCCCTCCCCCACCTtgccgctCTCCGCCCCCTCCCCCACCTtgctttCTCC GCCCCCTCCCCCACCTtgatctCTCCGCCCCCTCCCCCACCTtacgctCTCCGCCCC CTCCCCCACCT
7391	DNA; Synthetic Construct	AGGTGGGGGAGGGGGCGGAGtgccgctAGGTGGGGGAGGGGGCGGAGtgctttAGGT GGGGGAGGGGGCGGAGtgatctAGGTGGGGGAGGGGGCGGAGtacgctAGGTGGGGG AGGGGGCGGAG
7392	DNA; Synthetic Construct	CTCCGCCTCCTCCCCCACCCtgccgctCTCCGCCTCCTCCCCCACCCtgctttCTCC GCCTCCTCCCCCACCCtgatctCTCCGCCTCCTCCCCCACCCtacgctCTCCGCCTC CTCCCCCACCC
7393	DNA; Synthetic Construct	GGGTGGGGGAGGAGGCGGAGtgccgctGGGTGGGGGAGGAGGCGGAGtgctttGGGT GGGGGAGGAGGCGGAGtgatctGGGTGGGGGAGGAGGCGGAGtacgctGGGTGGGGG AGGAGGCGGAG
7394	DNA; Synthetic Construct	CTCCGCCTCCTCCCCCACCTtgccgctCTCCGCCTCCTCCCCCACCTtgctttCTCC GCCTCCTCCCCCACCTtgatctCTCCGCCTCCTCCCCCACCTtacgctCTCCGCCTC CTCCCCCACCT
7395	DNA; Synthetic Construct	AGGTGGGGGAGGAGGCGGAGtgccgctAGGTGGGGGAGGAGGCGGAGtgctttAGGT GGGGGAGGAGGCGGAGtgatctAGGTGGGGGAGGAGGCGGAGtacgctAGGTGGGGG AGGAGGCGGAG
7396	DNA; Synthetic Construct	GGGGGGGGtacgctGGGGGGGGtgccgctGGGGGGGGtgctttGGGGGGGGtgatct GGGGGGGGtacgctGGGGGGGGtgccgctGGGGGGGGtgctttGGGGGGGGtgatct GGGGGGGGtacgctGGGGGGGG
7397	DNA; Synthetic Construct	CCCCCCCCtacgctCCCCCCCCtgccgctCCCCCCCCtgctttCCCCCCCCtgatct CCCCCCCCtacgctCCCCCCCCtgccgctCCCCCCCCtgctttCCCCCCCCtgatct CCCCCCCCtacgctCCCCCCCC
7398	DNA; Synthetic Construct	AGCTGACAACtgccgctAGCTGACAACtgctttAGCTGACAACtgatctAGCTGACA ACtacgctAGCTGACAACtgccgctAGCTGACAACtgctttAGCTGACAACtgatct AGCTGACAACtacgctAGCTGACAAC
7399	DNA; Synthetic Construct	GTTGTCAGCTtgccgctGTTGTCAGCTtgctttGTTGTCAGCTtgatctGTTGTCAG CTtacgctGTTGTCAGCTtgccgctGTTGTCAGCTtgctttGTTGTCAGCTtgatct GTTGTCAGCTtacgctGTTGTCAGCT
7400	DNA; Synthetic Construct	AGCTGACAAGtgccgctAGCTGACAAGtgctttAGCTGACAAGtgatctAGCTGACA AGtacgctAGCTGACAAGtgccgctAGCTGACAAGtgctttAGCTGACAAGtgatct AGCTGACAAGtacgctAGCTGACAAG
7401	DNA; Synthetic Construct	CTTGTCAGCTtgccgctCTTGTCAGCTtgctttCTTGTCAGCTtgatctCTTGTCAG CTtacgctCTTGTCAGCTtgccgctCTTGTCAGCTtgctttCTTGTCAGCTtgatct CTTGTCAGCTtacgctCTTGTCAGCT
7402	DNA; Synthetic Construct	AGCTGACAATtgccgctAGCTGACAATtgctttAGCTGACAATtgatctAGCTGACA ATtacgctAGCTGACAATtgccgctAGCTGACAATtgctttAGCTGACAATtgatct AGCTGACAATtacgctAGCTGACAAT
7403	DNA; Synthetic Construct	ATTGTCAGCTtgccgctATTGTCAGCTtgctttATTGTCAGCTtgatctATTGTCAG CTtacgctATTGTCAGCTtgccgctATTGTCAGCTtgctttATTGTCAGCTtgatct ATTGTCAGCTtacgctATTGTCAGCT
7404	DNA; Synthetic Construct	AGCTGACACCtgccgctAGCTGACACCtgctttAGCTGACACCtgatctAGCTGACA CCtacgctAGCTGACACCtgccgctAGCTGACACCtgctttAGCTGACACCtgatct AGCTGACACCtacgctAGCTGACACC
7405	DNA; Synthetic Construct	GGTGTCAGCTtgccgctGGTGTCAGCTtgctttGGTGTCAGCTtgatctGGTGTCAG CTtacgctGGTGTCAGCTtgccgctGGTGTCAGCTtgctttGGTGTCAGCTtgatct GGTGTCAGCTtacgctGGTGTCAGCT

7406	DNA; Synthetic Construct	AGCTGACACGtgccgctAGCTGACACGtgctttAGCTGACACGtgatctAGCTGACA CGtacgctAGCTGACACGtgccgctAGCTGACACGtgctttAGCTGACACGtgatct AGCTGACACGtacgctAGCTGACACG
7407	DNA; Synthetic Construct	CGTGTCAGCTtgccgctCGTGTCAGCTtgctttCGTGTCAGCTtgatctCGTGTCAG CTtacgctCGTGTCAGCTtgccgctCGTGTCAGCTtgctttCGTGTCAGCTtgatct CGTGTCAGCTtacgctCGTGTCAGCT
7408	DNA; Synthetic Construct	AGCTGACACTtgccgctAGCTGACACTtgctttAGCTGACACTtgatctAGCTGACA CTtacgctAGCTGACACTtgccgctAGCTGACACTtgctttAGCTGACACTtgatct AGCTGACACTtacgctAGCTGACACT
7409	DNA; Synthetic Construct	AGTGTCAGCTtgccgctAGTGTCAGCTtgctttAGTGTCAGCTtgatctAGTGTCAG CTtacgctAGTGTCAGCTtgccgctAGTGTCAGCTtgctttAGTGTCAGCTtgatct AGTGTCAGCTtacgctAGTGTCAGCT
7410	DNA; Synthetic Construct	AGCTGACAGCtgccgctAGCTGACAGCtgctttAGCTGACAGCtgatctAGCTGACA GCtacgctAGCTGACAGCtgccgctAGCTGACAGCtgctttAGCTGACAGCtgatct AGCTGACAGCtacgctAGCTGACAGC
7411	DNA; Synthetic Construct	GCTGTCAGCTtgccgctGCTGTCAGCTtgctttGCTGTCAGCTtgatctGCTGTCAG CTtacgctGCTGTCAGCTtgccgctGCTGTCAGCTtgctttGCTGTCAGCTtgatct GCTGTCAGCTtacgctGCTGTCAGCT
7412	DNA; Synthetic Construct	AGCTGACAGGtgccgctAGCTGACAGGtgctttAGCTGACAGGtgatctAGCTGACA GGtacgctAGCTGACAGGtgccgctAGCTGACAGGtgctttAGCTGACAGGtgatct AGCTGACAGGtacgctAGCTGACAGG
7413	DNA; Synthetic Construct	CCTGTCAGCTtgccgctCCTGTCAGCTtgctttCCTGTCAGCTtgatctCCTGTCAG CTtacgctCCTGTCAGCTtgccgctCCTGTCAGCTtgctttCCTGTCAGCTtgatct CCTGTCAGCTtacgctCCTGTCAGCT
7414	DNA; Synthetic Construct	AGCTGACAGTtgccgctAGCTGACAGTtgctttAGCTGACAGTtgatctAGCTGACA GTtacgctAGCTGACAGTtgccgctAGCTGACAGTtgctttAGCTGACAGTtgatct AGCTGACAGTtacgctAGCTGACAGT
7415	DNA; Synthetic Construct	ACTGTCAGCTtgccgctACTGTCAGCTtgctttACTGTCAGCTtgatctACTGTCAG CTtacgctACTGTCAGCTtgccgctACTGTCAGCTtgctttACTGTCAGCTtgatct ACTGTCAGCTtacgctACTGTCAGCT
7416	DNA; Synthetic Construct	AGCTGTCAACtgccgctAGCTGTCAACtgctttAGCTGTCAACtgatctAGCTGTCA ACtacgctAGCTGTCAACtgccgctAGCTGTCAACtgctttAGCTGTCAACtgatct AGCTGTCAACtacgctAGCTGTCAAC
7417	DNA; Synthetic Construct	GTTGACAGCTtgccgctGTTGACAGCTtgctttGTTGACAGCTtgatctGTTGACAG CTtacgctGTTGACAGCTtgccgctGTTGACAGCTtgctttGTTGACAGCTtgatct GTTGACAGCTtacgctGTTGACAGCT
7418	DNA; Synthetic Construct	AGCTGTCAAGtgccgctAGCTGTCAAGtgctttAGCTGTCAAGtgatctAGCTGTCA AGtacgctAGCTGTCAAGtgccgctAGCTGTCAAGtgctttAGCTGTCAAGtgatct AGCTGTCAAGtacgctAGCTGTCAAG
7419	DNA; Synthetic Construct	CTTGACAGCTtgccgctCTTGACAGCTtgctttCTTGACAGCTtgatctCTTGACAG CTtacgctCTTGACAGCTtgccgctCTTGACAGCTtgctttCTTGACAGCTtgatct CTTGACAGCTtacgctCTTGACAGCT
7420	DNA; Synthetic Construct	AGCTGTCAATtgccgctAGCTGTCAATtgctttAGCTGTCAATtgatctAGCTGTCA ATtacgctAGCTGTCAATtgccgctAGCTGTCAATtgctttAGCTGTCAATtgatct AGCTGTCAATtacgctAGCTGTCAAT
7421	DNA; Synthetic Construct	ATTGACAGCTtgccgctATTGACAGCTtgctttATTGACAGCTtgatctATTGACAG CTtacgctATTGACAGCTtgccgctATTGACAGCTtgctttATTGACAGCTtgatct ATTGACAGCTtacgctATTGACAGCT
7422	DNA; Synthetic Construct	AGCTGTCACCtgccgctAGCTGTCACCtgctttAGCTGTCACCtgatctAGCTGTCA CCtacgctAGCTGTCACCtgccgctAGCTGTCACCtgctttAGCTGTCACCtgatct AGCTGTCACCtacgctAGCTGTCACC
7423	DNA; Synthetic Construct	GGTGACAGCTtgccgctGGTGACAGCTtgctttGGTGACAGCTtgatctGGTGACAG CTtacgctGGTGACAGCTtgccgctGGTGACAGCTtgctttGGTGACAGCTtgatct GGTGACAGCTtacgctGGTGACAGCT

7424	DNA; Synthetic Construct	AGCTGTCACGtgccgctAGCTGTCACGtgctttAGCTGTCACGtgatctAGCTGTCA CGtacgctAGCTGTCACGtgccgctAGCTGTCACGtgctttAGCTGTCACGtgatct AGCTGTCACGtacgctAGCTGTCACG
7425	DNA; Synthetic Construct	CGTGACAGCTtgccgctCGTGACAGCTtgctttCGTGACAGCTtgatctCGTGACAG CTtacgctCGTGACAGCTtgccgctCGTGACAGCTtgctttCGTGACAGCTtgatct CGTGACAGCTtacgctCGTGACAGCT
7426	DNA; Synthetic Construct	AGCTGTCACTtgccgctAGCTGTCACTtgctttAGCTGTCACTtgatctAGCTGTCA CTtacgctAGCTGTCACTtgccgctAGCTGTCACTtgctttAGCTGTCACTtgatct AGCTGTCACTtacgctAGCTGTCACT
7427	DNA; Synthetic Construct	AGTGACAGCTtgccgctAGTGACAGCTtgctttAGTGACAGCTtgatctAGTGACAG CTtacgctAGTGACAGCTtgccgctAGTGACAGCTtgctttAGTGACAGCTtgatct AGTGACAGCTtacgctAGTGACAGCT
7428	DNA; Synthetic Construct	AGCTGTCAGCtgccgctAGCTGTCAGCtgctttAGCTGTCAGCtgatctAGCTGTCA GCtacgctAGCTGTCAGCtgccgctAGCTGTCAGCtgctttAGCTGTCAGCtgatct AGCTGTCAGCtacgctAGCTGTCAGC
7429	DNA; Synthetic Construct	GCTGACAGCTtgccgctGCTGACAGCTtgctttGCTGACAGCTtgatctGCTGACAG CTtacgctGCTGACAGCTtgccgctGCTGACAGCTtgctttGCTGACAGCTtgatct GCTGACAGCTtacgctGCTGACAGCT
7430	DNA; Synthetic Construct	AGCTGTCAGGtgccgctAGCTGTCAGGtgctttAGCTGTCAGGtgatctAGCTGTCA GGtacgctAGCTGTCAGGtgccgctAGCTGTCAGGtgctttAGCTGTCAGGtgatct AGCTGTCAGGtacgctAGCTGTCAGG
7431	DNA; Synthetic Construct	CCTGACAGCTtgccgctCCTGACAGCTtgctttCCTGACAGCTtgatctCCTGACAG CTtacgctCCTGACAGCTtgccgctCCTGACAGCTtgctttCCTGACAGCTtgatct CCTGACAGCTtacgctCCTGACAGCT
7432	DNA; Synthetic Construct	AGCTGTCAGTtgccgctAGCTGTCAGTtgctttAGCTGTCAGTtgatctAGCTGTCA GTtacgctAGCTGTCAGTtgccgctAGCTGTCAGTtgctttAGCTGTCAGTtgatct AGCTGTCAGTtacgctAGCTGTCAGT
7433	DNA; Synthetic Construct	ACTGACAGCTtgccgctACTGACAGCTtgctttACTGACAGCTtgatctACTGACAG CTtacgctACTGACAGCTtgccgctACTGACAGCTtgctttACTGACAGCTtgatct ACTGACAGCTtacgctACTGACAGCT
7434	DNA; Synthetic Construct	CGCTGACAACtgccgctCGCTGACAACtgctttCGCTGACAACtgatctCGCTGACA ACtacgctCGCTGACAACtgccgctCGCTGACAACtgctttCGCTGACAACtgatct CGCTGACAACtacgctCGCTGACAAC
7435	DNA; Synthetic Construct	GTTGTCAGCGtgccgctGTTGTCAGCGtgctttGTTGTCAGCGtgatctGTTGTCAG CGtacgctGTTGTCAGCGtgccgctGTTGTCAGCGtgctttGTTGTCAGCGtgatct GTTGTCAGCGtacgctGTTGTCAGCG
7436	DNA; Synthetic Construct	CGCTGACAAGtgccgctCGCTGACAAGtgctttCGCTGACAAGtgatctCGCTGACA AGtacgctCGCTGACAAGtgccgctCGCTGACAAGtgctttCGCTGACAAGtgatct CGCTGACAAGtacgctCGCTGACAAG
7437	DNA; Synthetic Construct	CTTGTCAGCGtgccgctCTTGTCAGCGtgctttCTTGTCAGCGtgatctCTTGTCAG CGtacgctCTTGTCAGCGtgccgctCTTGTCAGCGtgctttCTTGTCAGCGtgatct CTTGTCAGCGtacgctCTTGTCAGCG
7438	DNA; Synthetic Construct	CGCTGACAATtgccgctCGCTGACAATtgctttCGCTGACAATtgatctCGCTGACA ATtacgctCGCTGACAATtgccgctCGCTGACAATtgctttCGCTGACAATtgatct CGCTGACAATtacgctCGCTGACAAT
7439	DNA; Synthetic Construct	ATTGTCAGCGtgccgctATTGTCAGCGtgctttATTGTCAGCGtgatctATTGTCAG CGtacgctATTGTCAGCGtgccgctATTGTCAGCGtgctttATTGTCAGCGtgatct ATTGTCAGCGtacgctATTGTCAGCG
7440	DNA; Synthetic Construct	CGCTGACACCtgccgctCGCTGACACCtgctttCGCTGACACCtgatctCGCTGACA CCtacgctCGCTGACACCtgccgctCGCTGACACCtgctttCGCTGACACCtgatct CGCTGACACCtacgctCGCTGACACC
7441	DNA; Synthetic Construct	GGTGTCAGCGtgccgctGGTGTCAGCGtgctttGGTGTCAGCGtgatctGGTGTCAG CGtacgctGGTGTCAGCGtgccgctGGTGTCAGCGtgctttGGTGTCAGCGtgatct GGTGTCAGCGtacgctGGTGTCAGCG

7442	DNA; Synthetic Construct	CGCTGACACGtgccgctCGCTGACACGtgctttCGCTGACACGtgatctCGCTGACA CGtacgctCGCTGACACGtgccgctCGCTGACACGtgctttCGCTGACACGtgatct CGCTGACACGtacgctCGCTGACACG
7443	DNA; Synthetic Construct	CGTGTCAGCGtgccgctCGTGTCAGCGtgctttCGTGTCAGCGtgatctCGTGTCAG CGtacgctCGTGTCAGCGtgccgctCGTGTCAGCGtgctttCGTGTCAGCGtgatct CGTGTCAGCGtacgctCGTGTCAGCG
7444	DNA; Synthetic Construct	CGCTGACACTtgccgctCGCTGACACTtgctttCGCTGACACTtgatctCGCTGACA CTtacgctCGCTGACACTtgccgctCGCTGACACTtgctttCGCTGACACTtgatct CGCTGACACTtacgctCGCTGACACT
7445	DNA; Synthetic Construct	AGTGTCAGCGtgccgctAGTGTCAGCGtgctttAGTGTCAGCGtgatctAGTGTCAG CGtacgctAGTGTCAGCGtgccgctAGTGTCAGCGtgctttAGTGTCAGCGtgatct AGTGTCAGCGtacgctAGTGTCAGCG
7446	DNA; Synthetic Construct	CGCTGACAGCtgccgctCGCTGACAGCtgctttCGCTGACAGCtgatctCGCTGACA GCtacgctCGCTGACAGCtgccgctCGCTGACAGCtgctttCGCTGACAGCtgatct CGCTGACAGCtacgctCGCTGACAGC
7447	DNA; Synthetic Construct	GCTGTCAGCGtgccgctGCTGTCAGCGtgctttGCTGTCAGCGtgatctGCTGTCAG CGtacgctGCTGTCAGCGtgccgctGCTGTCAGCGtgctttGCTGTCAGCGtgatct GCTGTCAGCGtacgctGCTGTCAGCG
7448	DNA; Synthetic Construct	CGCTGACAGGtgccgctCGCTGACAGGtgctttCGCTGACAGGtgatctCGCTGACA GGtacgctCGCTGACAGGtgccgctCGCTGACAGGtgctttCGCTGACAGGtgatct CGCTGACAGGtacgctCGCTGACAGG
7449	DNA; Synthetic Construct	CCTGTCAGCGtgccgctCCTGTCAGCGtgctttCCTGTCAGCGtgatctCCTGTCAG CGtacgctCCTGTCAGCGtgccgctCCTGTCAGCGtgctttCCTGTCAGCGtgatct CCTGTCAGCGtacgctCCTGTCAGCG
7450	DNA; Synthetic Construct	CGCTGACAGTtgccgctCGCTGACAGTtgctttCGCTGACAGTtgatctCGCTGACA GTtacgctCGCTGACAGTtgccgctCGCTGACAGTtgctttCGCTGACAGTtgatct CGCTGACAGTtacgctCGCTGACAGT
7451	DNA; Synthetic Construct	ACTGTCAGCGtgccgctACTGTCAGCGtgctttACTGTCAGCGtgatctACTGTCAG CGtacgctACTGTCAGCGtgccgctACTGTCAGCGtgctttACTGTCAGCGtgatct ACTGTCAGCGtacgctACTGTCAGCG
7452	DNA; Synthetic Construct	CGCTGTCAACtgccgctCGCTGTCAACtgctttCGCTGTCAACtgatctCGCTGTCA ACtacgctCGCTGTCAACtgccgctCGCTGTCAACtgctttCGCTGTCAACtgatct CGCTGTCAACtacgctCGCTGTCAAC
7453	DNA; Synthetic Construct	GTTGACAGCGtgccgctGTTGACAGCGtgctttGTTGACAGCGtgatctGTTGACAG CGtacgctGTTGACAGCGtgccgctGTTGACAGCGtgctttGTTGACAGCGtgatct GTTGACAGCGtacgctGTTGACAGCG
7454	DNA; Synthetic Construct	CGCTGTCAAGtgccgctCGCTGTCAAGtgctttCGCTGTCAAGtgatctCGCTGTCA AGtacgctCGCTGTCAAGtgccgctCGCTGTCAAGtgctttCGCTGTCAAGtgatct CGCTGTCAAGtacgctCGCTGTCAAG
7455	DNA; Synthetic Construct	CTTGACAGCGtgccgctCTTGACAGCGtgctttCTTGACAGCGtgatctCTTGACAG CGtacgctCTTGACAGCGtgccgctCTTGACAGCGtgctttCTTGACAGCGtgatct CTTGACAGCGtacgctCTTGACAGCG
7456	DNA; Synthetic Construct	CGCTGTCAATtgccgctCGCTGTCAATtgctttCGCTGTCAATtgatctCGCTGTCA ATtacgctCGCTGTCAATtgccgctCGCTGTCAATtgctttCGCTGTCAATtgatct CGCTGTCAATtacgctCGCTGTCAAT
7457	DNA; Synthetic Construct	ATTGACAGCGtgccgctATTGACAGCGtgctttATTGACAGCGtgatctATTGACAG CGtacgctATTGACAGCGtgccgctATTGACAGCGtgctttATTGACAGCGtgatct ATTGACAGCGtacgctATTGACAGCG
7458	DNA; Synthetic Construct	CGCTGTCACCtgccgctCGCTGTCACCtgctttCGCTGTCACCtgatctCGCTGTCA CCtacgctCGCTGTCACCtgccgctCGCTGTCACCtgctttCGCTGTCACCtgatct CGCTGTCACCtacgctCGCTGTCACC
7459	DNA; Synthetic Construct	GGTGACAGCGtgccgctGGTGACAGCGtgctttGGTGACAGCGtgatctGGTGACAG CGtacgctGGTGACAGCGtgccgctGGTGACAGCGtgctttGGTGACAGCGtgatct GGTGACAGCGtacgctGGTGACAGCG

7460	DNA; Synthetic Construct	CGCTGTCACGtgccgctCGCTGTCACGtgctttCGCTGTCACGtgatctCGCTGTCA CGtacgctCGCTGTCACGtgccgctCGCTGTCACGtgctttCGCTGTCACGtgatct CGCTGTCACGtacgctCGCTGTCACG
7461	DNA; Synthetic Construct	CGTGACAGCGtgccgctCGTGACAGCGtgctttCGTGACAGCGtgatctCGTGACAG CGtacgctCGTGACAGCGtgccgctCGTGACAGCGtgctttCGTGACAGCGtgatct CGTGACAGCGtacgctCGTGACAGCG
7462	DNA; Synthetic Construct	CGCTGTCACTtgccgctCGCTGTCACTtgctttCGCTGTCACTtgatctCGCTGTCA CTtacgctCGCTGTCACTtgccgctCGCTGTCACTtgctttCGCTGTCACTtgatct CGCTGTCACTtacgctCGCTGTCACT
7463	DNA; Synthetic Construct	AGTGACAGCGtgccgctAGTGACAGCGtgctttAGTGACAGCGtgatctAGTGACAG CGtacgctAGTGACAGCGtgccgctAGTGACAGCGtgctttAGTGACAGCGtgatct AGTGACAGCGtacgctAGTGACAGCG
7464	DNA; Synthetic Construct	CGCTGTCAGCtgccgctCGCTGTCAGCtgctttCGCTGTCAGCtgatctCGCTGTCA GCtacgctCGCTGTCAGCtgccgctCGCTGTCAGCtgctttCGCTGTCAGCtgatct CGCTGTCAGCtacgctCGCTGTCAGC
7465	DNA; Synthetic Construct	GCTGACAGCGtgccgctGCTGACAGCGtgctttGCTGACAGCGtgatctGCTGACAG CGtacgctGCTGACAGCGtgccgctGCTGACAGCGtgctttGCTGACAGCGtgatct GCTGACAGCGtacgctGCTGACAGCG
7466	DNA; Synthetic Construct	CGCTGTCAGGtgccgctCGCTGTCAGGtgctttCGCTGTCAGGtgatctCGCTGTCA GGtacgctCGCTGTCAGGtgccgctCGCTGTCAGGtgctttCGCTGTCAGGtgatct CGCTGTCAGGtacgctCGCTGTCAGG
7467	DNA; Synthetic Construct	CCTGACAGCGtgccgctCCTGACAGCGtgctttCCTGACAGCGtgatctCCTGACAG CGtacgctCCTGACAGCGtgccgctCCTGACAGCGtgctttCCTGACAGCGtgatct CCTGACAGCGtacgctCCTGACAGCG
7468	DNA; Synthetic Construct	CGCTGTCAGTtgccgctCGCTGTCAGTtgctttCGCTGTCAGTtgatctCGCTGTCA GTtacgctCGCTGTCAGTtgccgctCGCTGTCAGTtgctttCGCTGTCAGTtgatct CGCTGTCAGTtacgctCGCTGTCAGT
7469	DNA; Synthetic Construct	ACTGACAGCGtgccgctACTGACAGCGtgctttACTGACAGCGtgatctACTGACAG CGtacgctACTGACAGCGtgccgctACTGACAGCGtgctttACTGACAGCGtgatct ACTGACAGCGtacgctACTGACAGCG
7470	DNA; Synthetic Construct	GGCTGACAACtgccgctGGCTGACAACtgctttGGCTGACAACtgatctGGCTGACA ACtacgctGGCTGACAACtgccgctGGCTGACAACtgctttGGCTGACAACtgatct GGCTGACAACtacgctGGCTGACAAC
7471	DNA; Synthetic Construct	GTTGTCAGCCtgccgctGTTGTCAGCCtgctttGTTGTCAGCCtgatctGTTGTCAG CCtacgctGTTGTCAGCCtgccgctGTTGTCAGCCtgctttGTTGTCAGCCtgatct GTTGTCAGCCtacgctGTTGTCAGCC
7472	DNA; Synthetic Construct	GGCTGACAAGtgccgctGGCTGACAAGtgctttGGCTGACAAGtgatctGGCTGACA AGtacgctGGCTGACAAGtgccgctGGCTGACAAGtgctttGGCTGACAAGtgatct GGCTGACAAGtacgctGGCTGACAAG
7473	DNA; Synthetic Construct	CTTGTCAGCCtgccgctCTTGTCAGCCtgctttCTTGTCAGCCtgatctCTTGTCAG CCtacgctCTTGTCAGCCtgccgctCTTGTCAGCCtgctttCTTGTCAGCCtgatct CTTGTCAGCCtacgctCTTGTCAGCC
7474	DNA; Synthetic Construct	GGCTGACAATtgccgctGGCTGACAATtgctttGGCTGACAATtgatctGGCTGACA ATtacgctGGCTGACAATtgccgctGGCTGACAATtgctttGGCTGACAATtgatct GGCTGACAATtacgctGGCTGACAAT
7475	DNA; Synthetic Construct	ATTGTCAGCCtgccgctATTGTCAGCCtgctttATTGTCAGCCtgatctATTGTCAG CCtacgctATTGTCAGCCtgccgctATTGTCAGCCtgctttATTGTCAGCCtgatct ATTGTCAGCCtacgctATTGTCAGCC
7476	DNA; Synthetic Construct	GGCTGACACCtgccgctGGCTGACACCtgctttGGCTGACACCtgatctGGCTGACA CCtacgctGGCTGACACCtgccgctGGCTGACACCtgctttGGCTGACACCtgatct GGCTGACACCtacgctGGCTGACACC
7477	DNA; Synthetic Construct	GGTGTCAGCCtgccgctGGTGTCAGCCtgctttGGTGTCAGCCtgatctGGTGTCAG CCtacgctGGTGTCAGCCtgccgctGGTGTCAGCCtgctttGGTGTCAGCCtgatct GGTGTCAGCCtacgctGGTGTCAGCC

7478	DNA; Synthetic Construct	GGCTGACACGtgccgctGGCTGACACGtgctttGGCTGACACGtgatctGGCTGACA CGtacgctGGCTGACACGtgccgctGGCTGACACGtgctttGGCTGACACGtgatct GGCTGACACGtacgctGGCTGACACG
7479	DNA; Synthetic Construct	CGTGTCAGCCtgccgctCGTGTCAGCCtgctttCGTGTCAGCCtgatctCGTGTCAG CCtacgctCGTGTCAGCCtgccgctCGTGTCAGCCtgctttCGTGTCAGCCtgatct CGTGTCAGCCtacgctCGTGTCAGCC
7480	DNA; Synthetic Construct	GGCTGACACTtgccgctGGCTGACACTtgctttGGCTGACACTtgatctGGCTGACA CTtacgctGGCTGACACTtgccgctGGCTGACACTtgctttGGCTGACACTtgatct GGCTGACACTtacgctGGCTGACACT
7481	DNA; Synthetic Construct	AGTGTCAGCCtgccgctAGTGTCAGCCtgctttAGTGTCAGCCtgatctAGTGTCAG CCtacgctAGTGTCAGCCtgccgctAGTGTCAGCCtgctttAGTGTCAGCCtgatct AGTGTCAGCCtacgctAGTGTCAGCC
7482	DNA; Synthetic Construct	GGCTGACAGCtgccgctGGCTGACAGCtgctttGGCTGACAGCtgatctGGCTGACA GCtacgctGGCTGACAGCtgccgctGGCTGACAGCtgctttGGCTGACAGCtgatct GGCTGACAGCtacgctGGCTGACAGC
7483	DNA; Synthetic Construct	GCTGTCAGCCtgccgctGCTGTCAGCCtgctttGCTGTCAGCCtgatctGCTGTCAG CCtacgctGCTGTCAGCCtgccgctGCTGTCAGCCtgctttGCTGTCAGCCtgatct GCTGTCAGCCtacgctGCTGTCAGCC
7484	DNA; Synthetic Construct	GGCTGACAGGtgccgctGGCTGACAGGtgctttGGCTGACAGGtgatctGGCTGACA GGtacgctGGCTGACAGGtgccgctGGCTGACAGGtgctttGGCTGACAGGtgatct GGCTGACAGGtacgctGGCTGACAGG
7485	DNA; Synthetic Construct	CCTGTCAGCCtgccgctCCTGTCAGCCtgctttCCTGTCAGCCtgatctCCTGTCAG CCtacgctCCTGTCAGCCtgccgctCCTGTCAGCCtgctttCCTGTCAGCCtgatct CCTGTCAGCCtacgctCCTGTCAGCC
7486	DNA; Synthetic Construct	GGCTGACAGTtgccgctGGCTGACAGTtgctttGGCTGACAGTtgatctGGCTGACA GTtacgctGGCTGACAGTtgccgctGGCTGACAGTtgctttGGCTGACAGTtgatct GGCTGACAGTtacgctGGCTGACAGT
7487	DNA; Synthetic Construct	ACTGTCAGCCtgccgctACTGTCAGCCtgctttACTGTCAGCCtgatctACTGTCAG CCtacgctACTGTCAGCCtgccgctACTGTCAGCCtgctttACTGTCAGCCtgatct ACTGTCAGCCtacgctACTGTCAGCC
7488	DNA; Synthetic Construct	GGCTGTCAACtgccgctGGCTGTCAACtgctttGGCTGTCAACtgatctGGCTGTCA ACtacgctGGCTGTCAACtgccgctGGCTGTCAACtgctttGGCTGTCAACtgatct GGCTGTCAACtacgctGGCTGTCAAC
7489	DNA; Synthetic Construct	GTTGACAGCCtgccgctGTTGACAGCCtgctttGTTGACAGCCtgatctGTTGACAG CCtacgctGTTGACAGCCtgccgctGTTGACAGCCtgctttGTTGACAGCCtgatct GTTGACAGCCtacgctGTTGACAGCC
7490	DNA; Synthetic Construct	GGCTGTCAAGtgccgctGGCTGTCAAGtgctttGGCTGTCAAGtgatctGGCTGTCA AGtacgctGGCTGTCAAGtgccgctGGCTGTCAAGtgctttGGCTGTCAAGtgatct GGCTGTCAAGtacgctGGCTGTCAAG
7491	DNA; Synthetic Construct	CTTGACAGCCtgccgctCTTGACAGCCtgctttCTTGACAGCCtgatctCTTGACAG CCtacgctCTTGACAGCCtgccgctCTTGACAGCCtgctttCTTGACAGCCtgatct CTTGACAGCCtacgctCTTGACAGCC
7492	DNA; Synthetic Construct	GGCTGTCAATtgccgctGGCTGTCAATtgctttGGCTGTCAATtgatctGGCTGTCA ATtacgctGGCTGTCAATtgccgctGGCTGTCAATtgctttGGCTGTCAATtgatct GGCTGTCAATtacgctGGCTGTCAAT
7493	DNA; Synthetic Construct	ATTGACAGCCtgccgctATTGACAGCCtgctttATTGACAGCCtgatctATTGACAG CCtacgctATTGACAGCCtgccgctATTGACAGCCtgctttATTGACAGCCtgatct ATTGACAGCCtacgctATTGACAGCC
7494	DNA; Synthetic Construct	GGCTGTCACCtgccgctGGCTGTCACCtgctttGGCTGTCACCtgatctGGCTGTCA CCtacgctGGCTGTCACCtgccgctGGCTGTCACCtgctttGGCTGTCACCtgatct GGCTGTCACCtacgctGGCTGTCACC
7495	DNA; Synthetic Construct	GGTGACAGCCtgccgctGGTGACAGCCtgctttGGTGACAGCCtgatctGGTGACAG CCtacgctGGTGACAGCCtgccgctGGTGACAGCCtgctttGGTGACAGCCtgatct GGTGACAGCCtacgctGGTGACAGCC

7496	DNA; Synthetic Construct	GGCTGTCACGtgccgctGGCTGTCACGtgctttGGCTGTCACGtgatctGGCTGTCA CGtacgctGGCTGTCACGtgccgctGGCTGTCACGtgctttGGCTGTCACGtgatct GGCTGTCACGtacgctGGCTGTCACG
7497	DNA; Synthetic Construct	CGTGACAGCCtgccgctCGTGACAGCCtgctttCGTGACAGCCtgatctCGTGACAG CCtacgctCGTGACAGCCtgccgctCGTGACAGCCtgctttCGTGACAGCCtgatct CGTGACAGCCtacgctCGTGACAGCC
7498	DNA; Synthetic Construct	GGCTGTCACTtgccgctGGCTGTCACTtgctttGGCTGTCACTtgatctGGCTGTCA CTtacgctGGCTGTCACTtgccgctGGCTGTCACTtgctttGGCTGTCACTtgatct GGCTGTCACTtacgctGGCTGTCACT
7499	DNA; Synthetic Construct	AGTGACAGCCtgccgctAGTGACAGCCtgctttAGTGACAGCCtgatctAGTGACAG CCtacgctAGTGACAGCCtgccgctAGTGACAGCCtgctttAGTGACAGCCtgatct AGTGACAGCCtacgctAGTGACAGCC
7500	DNA; Synthetic Construct	GGCTGTCAGCtgccgctGGCTGTCAGCtgctttGGCTGTCAGCtgatctGGCTGTCA GCtacgctGGCTGTCAGCtgccgctGGCTGTCAGCtgctttGGCTGTCAGCtgatct GGCTGTCAGCtacgctGGCTGTCAGC
7501	DNA; Synthetic Construct	GCTGACAGCCtgccgctGCTGACAGCCtgctttGCTGACAGCCtgatctGCTGACAG CCtacgctGCTGACAGCCtgccgctGCTGACAGCCtgctttGCTGACAGCCtgatct GCTGACAGCCtacgctGCTGACAGCC
7502	DNA; Synthetic Construct	GGCTGTCAGGtgccgctGGCTGTCAGGtgctttGGCTGTCAGGtgatctGGCTGTCA GGtacgctGGCTGTCAGGtgccgctGGCTGTCAGGtgctttGGCTGTCAGGtgatct GGCTGTCAGGtacgctGGCTGTCAGG
7503	DNA; Synthetic Construct	CCTGACAGCCtgccgctCCTGACAGCCtgctttCCTGACAGCCtgatctCCTGACAG CCtacgctCCTGACAGCCtgccgctCCTGACAGCCtgctttCCTGACAGCCtgatct CCTGACAGCCtacgctCCTGACAGCC
7504	DNA; Synthetic Construct	GGCTGTCAGTtgccgctGGCTGTCAGTtgctttGGCTGTCAGTtgatctGGCTGTCA GTtacgctGGCTGTCAGTtgccgctGGCTGTCAGTtgctttGGCTGTCAGTtgatct GGCTGTCAGTtacgctGGCTGTCAGT
7505	DNA; Synthetic Construct	ACTGACAGCCtgccgctACTGACAGCCtgctttACTGACAGCCtgatctACTGACAG CCtacgctACTGACAGCCtgccgctACTGACAGCCtgctttACTGACAGCCtgatct ACTGACAGCCtacgctACTGACAGCC
7506	DNA; Synthetic Construct	GGCTTCCAGCCCtgctttGGCTTCCAGCCCtgatctGGCTTCCAGCCCtacgctGGC TTCCAGCCCtgccgctGGCTTCCAGCCCtgctttGGCTTCCAGCCCtgatctGGCTT CCAGCCCtacgctGGCTTCCAGCCC
7507	DNA; Synthetic Construct	GGGCTGGAAGCCtgctttGGGCTGGAAGCCtgatctGGGCTGGAAGCCtacgctGGG CTGGAAGCCtgccgctGGGCTGGAAGCCtgctttGGGCTGGAAGCCtgatctGGGCT GGAAGCCtacgctGGGCTGGAAGCC
7508	DNA; Synthetic Construct	GGCTTCCAGCCTtgctttGGCTTCCAGCCTtgatctGGCTTCCAGCCTtacgctGGC TTCCAGCCTtgccgctGGCTTCCAGCCTtgctttGGCTTCCAGCCTtgatctGGCTT CCAGCCTtacgctGGCTTCCAGCCT
7509	DNA; Synthetic Construct	AGGCTGGAAGCCtgctttAGGCTGGAAGCCtgatctAGGCTGGAAGCCtacgctAGG CTGGAAGCCtgccgctAGGCTGGAAGCCtgctttAGGCTGGAAGCCtgatctAGGCT GGAAGCCtacgctAGGCTGGAAGCC
7510	DNA; Synthetic Construct	GGCTTCTAGCCCtgctttGGCTTCTAGCCCtgatctGGCTTCTAGCCCtacgctGGC TTCTAGCCCtgccgctGGCTTCTAGCCCtgctttGGCTTCTAGCCCtgatctGGCTT CTAGCCCtacgctGGCTTCTAGCCC
7511	DNA; Synthetic Construct	GGGCTAGAAGCCtgctttGGGCTAGAAGCCtgatctGGGCTAGAAGCCtacgctGGG CTAGAAGCCtgccgctGGGCTAGAAGCCtgctttGGGCTAGAAGCCtgatctGGGCT AGAAGCCtacgctGGGCTAGAAGCC
7512	DNA; Synthetic Construct	GGCTTCTAGCCTtgctttGGCTTCTAGCCTtgatctGGCTTCTAGCCTtacgctGGC TTCTAGCCTtgccgctGGCTTCTAGCCTtgctttGGCTTCTAGCCTtgatctGGCTT CTAGCCTtacgctGGCTTCTAGCCT
7513	DNA; Synthetic Construct	AGGCTAGAAGCCtgctttAGGCTAGAAGCCtgatctAGGCTAGAAGCCtacgctAGG CTAGAAGCCtgccgctAGGCTAGAAGCCtgctttAGGCTAGAAGCCtgatctAGGCT AGAAGCCtacgctAGGCTAGAAGCC

7514	DNA; Synthetic Construct	GCTGTACCTCCCtgctttGCTGTACCTCCCtgatctGCTGTACCTCCCtacgctGCT GTACCTCCCtgccgctGCTGTACCTCCCtgctttGCTGTACCTCCCtgatctGCTGT ACCTCCCtacgctGCTGTACCTCCC
7515	DNA; Synthetic Construct	GGGAGGTACAGCtgctttGGGAGGTACAGCtgatctGGGAGGTACAGCtacgctGGG AGGTACAGCtgccgctGGGAGGTACAGCtgctttGGGAGGTACAGCtgatctGGGAG GTACAGCtacgctGGGAGGTACAGC
7516	DNA; Synthetic Construct	GCTGTACCTCCTtgctttGCTGTACCTCCTtgatctGCTGTACCTCCTtacgctGCT GTACCTCCTtgccgctGCTGTACCTCCTtgctttGCTGTACCTCCTtgatctGCTGT ACCTCCTtacgctGCTGTACCTCCT
7517	DNA; Synthetic Construct	AGGAGGTACAGCtgctttAGGAGGTACAGCtgatctAGGAGGTACAGCtacgctAGG AGGTACAGCtgccgctAGGAGGTACAGCtgctttAGGAGGTACAGCtgatctAGGAG GTACAGCtacgctAGGAGGTACAGC
7518	DNA; Synthetic Construct	TCAGTTTCACTTTCtgatctTCAGTTTCACTTTCtacgctTCAGTTTCACTTTCtgc cgctTCAGTTTCACTTTCtgctttTCAGTTTCACTTTCtgatctTCAGTTTCACTTT CtacgctTCAGTTTCACTTTC
7519	DNA; Synthetic Construct	GAAAGTGAAACTGAtgatctGAAAGTGAAACTGAtacgctGAAAGTGAAACTGAtgc cgctGAAAGTGAAACTGAtgctttGAAAGTGAAACTGAtgatctGAAAGTGAAACTG AtacgctGAAAGTGAAACTGA
7520	DNA; Synthetic Construct	TCAGTTTCGCTTTCtgatctTCAGTTTCGCTTTCtacgctTCAGTTTCGCTTTCtgc cgctTCAGTTTCGCTTTCtgctttTCAGTTTCGCTTTCtgatctTCAGTTTCGCTTT CtacgctTCAGTTTCGCTTTC
7521	DNA; Synthetic Construct	GAAAGCGAAACTGAtgatctGAAAGCGAAACTGAtacgctGAAAGCGAAACTGAtgc cgctGAAAGCGAAACTGAtgctttGAAAGCGAAACTGAtgatctGAAAGCGAAACTG AtacgctGAAAGCGAAACTGA
7522	DNA; Synthetic Construct	CTGGCTCCATGCCAAtgatctCTGGCTCCATGCCAAtacgctCTGGCTCCATGCCAA tgccgctCTGGCTCCATGCCAAtgctttCTGGCTCCATGCCAAtgatctCTGGCTCC ATGCCAAtacgctCTGGCTCCATGCCAA
7523	DNA; Synthetic Construct	TTGGCATGGAGCCAGtgatctTTGGCATGGAGCCAGtacgctTTGGCATGGAGCCAG tgccgctTTGGCATGGAGCCAGtgctttTTGGCATGGAGCCAGtgatctTTGGCATG GAGCCAGtacgctTTGGCATGGAGCCAG
7524	DNA; Synthetic Construct	TTGGCTCCATGCCAAtgatctTTGGCTCCATGCCAAtacgctTTGGCTCCATGCCAA tgccgctTTGGCTCCATGCCAAtgctttTTGGCTCCATGCCAAtgatctTTGGCTCC ATGCCAAtacgctTTGGCTCCATGCCAA
7525	DNA; Synthetic Construct	TTGGCATGGAGCCAAtgatctTTGGCATGGAGCCAAtacgctTTGGCATGGAGCCAA tgccgctTTGGCATGGAGCCAAtgctttTTGGCATGGAGCCAAtgatctTTGGCATG GAGCCAAtacgctTTGGCATGGAGCCAA
7526	DNA; Synthetic Construct	ATAAACAtgatctATAAACAtacgctATAAACAtgccgctATAAACAtgctttATAA ACAtgatctATAAACAtacgctATAAACAtgccgctATAAACAtgctttATAAACAt gatctATAAACAtacgctATAAACA
7527	DNA; Synthetic Construct	TGTTTATtgatctTGTTTATtacgctTGTTTATtgccgctTGTTTATtgctttTGTT TATtgatctTGTTTATtacgctTGTTTATtgccgctTGTTTATtgctttTGTTTATt gatctTGTTTATtacgctTGTTTAT
7528	DNA; Synthetic Construct	GTAAACAtgatctGTAAACAtacgctGTAAACAtgccgctGTAAACAtgctttGTAA ACAtgatctGTAAACAtacgctGTAAACAtgccgctGTAAACAtgctttGTAAACAt gatctGTAAACAtacgctGTAAACA
7529	DNA; Synthetic Construct	TGTTTACtgatctTGTTTACtacgctTGTTTACtgccgctTGTTTACtgctttTGTT TACtgatctTGTTTACtacgctTGTTTACtgccgctTGTTTACtgctttTGTTTACt gatctTGTTTACtacgctTGTTTAC
7530	DNA; Synthetic Construct	GGAAAGCGAAAGCTAACCtacgctGGAAAGCGAAAGCTAACCtgccgctGGAAAGCG AAAGCTAACCtgctttGGAAAGCGAAAGCTAACCtgatctGGAAAGCGAAAGCTAAC CtacgctGGAAAGCGAAAGCTAACC
7531	DNA; Synthetic Construct	GGTTAGCTTTCGCTTTCCtacgctGGTTAGCTTTCGCTTTCCtgccgctGGTTAGCT TTCGCTTTCCtgctttGGTTAGCTTTCGCTTTCCtgatctGGTTAGCTTTCGCTTTC CtacgctGGTTAGCTTTCGCTTTCC

7532	DNA; Synthetic Construct	GGAAAGCGAAAGCTATCCtacgctGGAAAGCGAAAGCTATCCtgccgctGGAAAGCG AAAGCTATCCtgctttGGAAAGCGAAAGCTATCCtgatctGGAAAGCGAAAGCTATC CtacgctGGAAAGCGAAAGCTATCC
7533	DNA; Synthetic Construct	GGATAGCTTTCGCTTTCCtacgctGGATAGCTTTCGCTTTCCtgccgctGGATAGCT TTCGCTTTCCtgctttGGATAGCTTTCGCTTTCCtgatctGGATAGCTTTCGCTTTC CtacgctGGATAGCTTTCGCTTTCC
7534	DNA; Synthetic Construct	GGAAAGCGAAAGCTTACCtacgctGGAAAGCGAAAGCTTACCtgccgctGGAAAGCG AAAGCTTACCtgctttGGAAAGCGAAAGCTTACCtgatctGGAAAGCGAAAGCTTAC CtacgctGGAAAGCGAAAGCTTACC
7535	DNA; Synthetic Construct	GGTAAGCTTTCGCTTTCCtacgctGGTAAGCTTTCGCTTTCCtgccgctGGTAAGCT TTCGCTTTCCtgctttGGTAAGCTTTCGCTTTCCtgatctGGTAAGCTTTCGCTTTC CtacgctGGTAAGCTTTCGCTTTCC
7536	DNA; Synthetic Construct	GGAAAGCGAAAGCTTTCCtacgctGGAAAGCGAAAGCTTTCCtgccgctGGAAAGCG AAAGCTTTCCtgctttGGAAAGCGAAAGCTTTCCtgatctGGAAAGCGAAAGCTTTC CtacgctGGAAAGCGAAAGCTTTCC
7537	DNA; Synthetic Construct	GGAAAGCTTTCGCTTTCCtacgctGGAAAGCTTTCGCTTTCCtgccgctGGAAAGCT TTCGCTTTCCtgctttGGAAAGCTTTCGCTTTCCtgatctGGAAAGCTTTCGCTTTC CtacgctGGAAAGCTTTCGCTTTCC
7538	DNA; Synthetic Construct	GGAAAGCGAAACCTAACCtacgctGGAAAGCGAAACCTAACCtgccgctGGAAAGCG AAACCTAACCtgctttGGAAAGCGAAACCTAACCtgatctGGAAAGCGAAACCTAAC CtacgctGGAAAGCGAAACCTAACC
7539	DNA; Synthetic Construct	GGTTAGGTTTCGCTTTCCtacgctGGTTAGGTTTCGCTTTCCtgccgctGGTTAGGT TTCGCTTTCCtgctttGGTTAGGTTTCGCTTTCCtgatctGGTTAGGTTTCGCTTTC CtacgctGGTTAGGTTTCGCTTTCC
7540	DNA; Synthetic Construct	GGAAAGCGAAACCTATCCtacgctGGAAAGCGAAACCTATCCtgccgctGGAAAGCG AAACCTATCCtgctttGGAAAGCGAAACCTATCCtgatctGGAAAGCGAAACCTATC CtacgctGGAAAGCGAAACCTATCC
7541	DNA; Synthetic Construct	GGATAGGTTTCGCTTTCCtacgctGGATAGGTTTCGCTTTCCtgccgctGGATAGGT TTCGCTTTCCtgctttGGATAGGTTTCGCTTTCCtgatctGGATAGGTTTCGCTTTC CtacgctGGATAGGTTTCGCTTTCC
7542	DNA; Synthetic Construct	GGAAAGCGAAACCTTACCtacgctGGAAAGCGAAACCTTACCtgccgctGGAAAGCG AAACCTTACCtgctttGGAAAGCGAAACCTTACCtgatctGGAAAGCGAAACCTTAC CtacgctGGAAAGCGAAACCTTACC
7543	DNA; Synthetic Construct	GGTAAGGTTTCGCTTTCCtacgctGGTAAGGTTTCGCTTTCCtgccgctGGTAAGGT TTCGCTTTCCtgctttGGTAAGGTTTCGCTTTCCtgatctGGTAAGGTTTCGCTTTC CtacgctGGTAAGGTTTCGCTTTCC
7544	DNA; Synthetic Construct	GGAAAGCGAAACCTTTCCtacgctGGAAAGCGAAACCTTTCCtgccgctGGAAAGCG AAACCTTTCCtgctttGGAAAGCGAAACCTTTCCtgatctGGAAAGCGAAACCTTTC CtacgctGGAAAGCGAAACCTTTCC
7545	DNA; Synthetic Construct	GGAAAGGTTTCGCTTTCCtacgctGGAAAGGTTTCGCTTTCCtgccgctGGAAAGGT TTCGCTTTCCtgctttGGAAAGGTTTCGCTTTCCtgatctGGAAAGGTTTCGCTTTC CtacgctGGAAAGGTTTCGCTTTCC
7546	DNA; Synthetic Construct	GGAAAGTGAAAGCTAACCtacgctGGAAAGTGAAAGCTAACCtgccgctGGAAAGTG AAAGCTAACCtgctttGGAAAGTGAAAGCTAACCtgatctGGAAAGTGAAAGCTAAC CtacgctGGAAAGTGAAAGCTAACC
7547	DNA; Synthetic Construct	GGTTAGCTTTCACTTTCCtacgctGGTTAGCTTTCACTTTCCtgccgctGGTTAGCT TTCACTTTCCtgctttGGTTAGCTTTCACTTTCCtgatctGGTTAGCTTTCACTTTC CtacgctGGTTAGCTTTCACTTTCC
7548	DNA; Synthetic Construct	GGAAAGTGAAAGCTATCCtacgctGGAAAGTGAAAGCTATCCtgccgctGGAAAGTG AAAGCTATCCtgctttGGAAAGTGAAAGCTATCCtgatctGGAAAGTGAAAGCTATC CtacgctGGAAAGTGAAAGCTATCC
7549	DNA; Synthetic Construct	GGATAGCTTTCACTTTCCtacgctGGATAGCTTTCACTTTCCtgccgctGGATAGCT TTCACTTTCCtgctttGGATAGCTTTCACTTTCCtgatctGGATAGCTTTCACTTTC CtacgctGGATAGCTTTCACTTTCC

7550	DNA; Synthetic Construct	GGAAAGTGAAAGCTTACCtacgctGGAAAGTGAAAGCTTACCtgccgctGGAAAGTG AAAGCTTACCtgctttGGAAAGTGAAAGCTTACCtgatctGGAAAGTGAAAGCTTAC CtacgctGGAAAGTGAAAGCTTACC
7551	DNA; Synthetic Construct	GGTAAGCTTTCACTTTCCtacgctGGTAAGCTTTCACTTTCCtgccgctGGTAAGCT TTCACTTTCCtgctttGGTAAGCTTTCACTTTCCtgatctGGTAAGCTTTCACTTTC CtacgctGGTAAGCTTTCACTTTCC
7552	DNA; Synthetic Construct	GGAAAGTGAAAGCTTTCCtacgctGGAAAGTGAAAGCTTTCCtgccgctGGAAAGTG AAAGCTTTCCtgctttGGAAAGTGAAAGCTTTCCtgatctGGAAAGTGAAAGCTTTC CtacgctGGAAAGTGAAAGCTTTCC
7553	DNA; Synthetic Construct	GGAAAGCTTTCACTTTCCtacgctGGAAAGCTTTCACTTTCCtgccgctGGAAAGCT TTCACTTTCCtgctttGGAAAGCTTTCACTTTCCtgatctGGAAAGCTTTCACTTTC CtacgctGGAAAGCTTTCACTTTCC
7554	DNA; Synthetic Construct	GGAAAGTGAAACCTAACCtacgctGGAAAGTGAAACCTAACCtgccgctGGAAAGTG AAACCTAACCtgctttGGAAAGTGAAACCTAACCtgatctGGAAAGTGAAACCTAAC CtacgctGGAAAGTGAAACCTAACC
7555	DNA; Synthetic Construct	GGTTAGGTTTCACTTTCCtacgctGGTTAGGTTTCACTTTCCtgccgctGGTTAGGT TTCACTTTCCtgctttGGTTAGGTTTCACTTTCCtgatctGGTTAGGTTTCACTTTC CtacgctGGTTAGGTTTCACTTTCC
7556	DNA; Synthetic Construct	GGAAAGTGAAACCTATCCtacgctGGAAAGTGAAACCTATCCtgccgctGGAAAGTG AAACCTATCCtgctttGGAAAGTGAAACCTATCCtgatctGGAAAGTGAAACCTATC CtacgctGGAAAGTGAAACCTATCC
7557	DNA; Synthetic Construct	GGATAGGTTTCACTTTCCtacgctGGATAGGTTTCACTTTCCtgccgctGGATAGGT TTCACTTTCCtgctttGGATAGGTTTCACTTTCCtgatctGGATAGGTTTCACTTTC CtacgctGGATAGGTTTCACTTTCC
7558	DNA; Synthetic Construct	GGAAAGTGAAACCTTACCtacgctGGAAAGTGAAACCTTACCtgccgctGGAAAGTG AAACCTTACCtgctttGGAAAGTGAAACCTTACCtgatctGGAAAGTGAAACCTTAC CtacgctGGAAAGTGAAACCTTACC
7559	DNA; Synthetic Construct	GGTAAGGTTTCACTTTCCtacgctGGTAAGGTTTCACTTTCCtgccgctGGTAAGGT TTCACTTTCCtgctttGGTAAGGTTTCACTTTCCtgatctGGTAAGGTTTCACTTTC CtacgctGGTAAGGTTTCACTTTCC
7560	DNA; Synthetic Construct	GGAAAGTGAAACCTTTCCtacgctGGAAAGTGAAACCTTTCCtgccgctGGAAAGTG AAACCTTTCCtgctttGGAAAGTGAAACCTTTCCtgatctGGAAAGTGAAACCTTTC CtacgctGGAAAGTGAAACCTTTCC
7561	DNA; Synthetic Construct	GGAAAGGTTTCACTTTCCtacgctGGAAAGGTTTCACTTTCCtgccgctGGAAAGGT TTCACTTTCCtgctttGGAAAGGTTTCACTTTCCtgatctGGAAAGGTTTCACTTTC CtacgctGGAAAGGTTTCACTTTCC
7562	DNA; Synthetic Construct	CGAAAGCGAAAGCTAACCtacgctCGAAAGCGAAAGCTAACCtgccgctCGAAAGCG AAAGCTAACCtgctttCGAAAGCGAAAGCTAACCtgatctCGAAAGCGAAAGCTAAC CtacgctCGAAAGCGAAAGCTAACC
7563	DNA; Synthetic Construct	GGTTAGCTTTCGCTTTCGtacgctGGTTAGCTTTCGCTTTCGtgccgctGGTTAGCT TTCGCTTTCGtgctttGGTTAGCTTTCGCTTTCGtgatctGGTTAGCTTTCGCTTTC GtacgctGGTTAGCTTTCGCTTTCG
7564	DNA; Synthetic Construct	CGAAAGCGAAAGCTATCCtacgctCGAAAGCGAAAGCTATCCtgccgctCGAAAGCG AAAGCTATCCtgctttCGAAAGCGAAAGCTATCCtgatctCGAAAGCGAAAGCTATC CtacgctCGAAAGCGAAAGCTATCC
7565	DNA; Synthetic Construct	GGATAGCTTTCGCTTTCGtacgctGGATAGCTTTCGCTTTCGtgccgctGGATAGCT TTCGCTTTCGtgctttGGATAGCTTTCGCTTTCGtgatctGGATAGCTTTCGCTTTC GtacgctGGATAGCTTTCGCTTTCG
7566	DNA; Synthetic Construct	CGAAAGCGAAAGCTTACCtacgctCGAAAGCGAAAGCTTACCtgccgctCGAAAGCG AAAGCTTACCtgctttCGAAAGCGAAAGCTTACCtgatctCGAAAGCGAAAGCTTAC CtacgctCGAAAGCGAAAGCTTACC
7567	DNA; Synthetic Construct	GGTAAGCTTTCGCTTTCGtacgctGGTAAGCTTTCGCTTTCGtgccgctGGTAAGCT TTCGCTTTCGtgctttGGTAAGCTTTCGCTTTCGtgatctGGTAAGCTTTCGCTTTC GtacgctGGTAAGCTTTCGCTTTCG

7568	DNA; Synthetic Construct	CGAAAGCGAAAGCTTTCCtacgctCGAAAGCGAAAGCTTTCCtgccgctCGAAAGCG AAAGCTTTCCtgctttCGAAAGCGAAAGCTTTCCtgatctCGAAAGCGAAAGCTTTC CtacgctCGAAAGCGAAAGCTTTCC
7569	DNA; Synthetic Construct	GGAAAGCTTTCGCTTTCGtacgctGGAAAGCTTTCGCTTTCGtgccgctGGAAAGCT TTCGCTTTCGtgctttGGAAAGCTTTCGCTTTCGtgatctGGAAAGCTTTCGCTTTC GtacgctGGAAAGCTTTCGCTTTCG
7570	DNA; Synthetic Construct	CGAAAGCGAAACCTAACCtacgctCGAAAGCGAAACCTAACCtgccgctCGAAAGCG AAACCTAACCtgctttCGAAAGCGAAACCTAACCtgatctCGAAAGCGAAACCTAAC CtacgctCGAAAGCGAAACCTAACC
7571	DNA; Synthetic Construct	GGTTAGGTTTCGCTTTCGtacgctGGTTAGGTTTCGCTTTCGtgccgctGGTTAGGT TTCGCTTTCGtgctttGGTTAGGTTTCGCTTTCGtgatctGGTTAGGTTTCGCTTTC GtacgctGGTTAGGTTTCGCTTTCG
7572	DNA; Synthetic Construct	CGAAAGCGAAACCTATCCtacgctCGAAAGCGAAACCTATCCtgccgctCGAAAGCG AAACCTATCCtgctttCGAAAGCGAAACCTATCCtgatctCGAAAGCGAAACCTATC CtacgctCGAAAGCGAAACCTATCC
7573	DNA; Synthetic Construct	GGATAGGTTTCGCTTTCGtacgctGGATAGGTTTCGCTTTCGtgccgctGGATAGGT TTCGCTTTCGtgctttGGATAGGTTTCGCTTTCGtgatctGGATAGGTTTCGCTTTC GtacgctGGATAGGTTTCGCTTTCG
7574	DNA; Synthetic Construct	CGAAAGCGAAACCTTACCtacgctCGAAAGCGAAACCTTACCtgccgctCGAAAGCG AAACCTTACCtgctttCGAAAGCGAAACCTTACCtgatctCGAAAGCGAAACCTTAC CtacgctCGAAAGCGAAACCTTACC
7575	DNA; Synthetic Construct	GGTAAGGTTTCGCTTTCGtacgctGGTAAGGTTTCGCTTTCGtgccgctGGTAAGGT TTCGCTTTCGtgctttGGTAAGGTTTCGCTTTCGtgatctGGTAAGGTTTCGCTTTC GtacgctGGTAAGGTTTCGCTTTCG
7576	DNA; Synthetic Construct	CGAAAGCGAAACCTTTCCtacgctCGAAAGCGAAACCTTTCCtgccgctCGAAAGCG AAACCTTTCCtgctttCGAAAGCGAAACCTTTCCtgatctCGAAAGCGAAACCTTTC CtacgctCGAAAGCGAAACCTTTCC
7577	DNA; Synthetic Construct	GGAAAGGTTTCGCTTTCGtacgctGGAAAGGTTTCGCTTTCGtgccgctGGAAAGGT TTCGCTTTCGtgctttGGAAAGGTTTCGCTTTCGtgatctGGAAAGGTTTCGCTTTC GtacgctGGAAAGGTTTCGCTTTCG
7578	DNA; Synthetic Construct	CGAAAGTGAAAGCTAACCtacgctCGAAAGTGAAAGCTAACCtgccgctCGAAAGTG AAAGCTAACCtgctttCGAAAGTGAAAGCTAACCtgatctCGAAAGTGAAAGCTAAC CtacgctCGAAAGTGAAAGCTAACC
7579	DNA; Synthetic Construct	GGTTAGCTTTCACTTTCGtacgctGGTTAGCTTTCACTTTCGtgccgctGGTTAGCT TTCACTTTCGtgctttGGTTAGCTTTCACTTTCGtgatctGGTTAGCTTTCACTTTC GtacgctGGTTAGCTTTCACTTTCG
7580	DNA; Synthetic Construct	CGAAAGTGAAAGCTATCCtacgctCGAAAGTGAAAGCTATCCtgccgctCGAAAGTG AAAGCTATCCtgctttCGAAAGTGAAAGCTATCCtgatctCGAAAGTGAAAGCTATC CtacgctCGAAAGTGAAAGCTATCC
7581	DNA; Synthetic Construct	GGATAGCTTTCACTTTCGtacgctGGATAGCTTTCACTTTCGtgccgctGGATAGCT TTCACTTTCGtgctttGGATAGCTTTCACTTTCGtgatctGGATAGCTTTCACTTTC GtacgctGGATAGCTTTCACTTTCG
7582	DNA; Synthetic Construct	CGAAAGTGAAAGCTTACCtacgctCGAAAGTGAAAGCTTACCtgccgctCGAAAGTG AAAGCTTACCtgctttCGAAAGTGAAAGCTTACCtgatctCGAAAGTGAAAGCTTAC CtacgctCGAAAGTGAAAGCTTACC
7583	DNA; Synthetic Construct	GGTAAGCTTTCACTTTCGtacgctGGTAAGCTTTCACTTTCGtgccgctGGTAAGCT TTCACTTTCGtgctttGGTAAGCTTTCACTTTCGtgatctGGTAAGCTTTCACTTTC GtacgctGGTAAGCTTTCACTTTCG
7584	DNA; Synthetic Construct	CGAAAGTGAAAGCTTTCCtacgctCGAAAGTGAAAGCTTTCCtgccgctCGAAAGTG AAAGCTTTCCtgctttCGAAAGTGAAAGCTTTCCtgatctCGAAAGTGAAAGCTTTC CtacgctCGAAAGTGAAAGCTTTCC
7585	DNA; Synthetic Construct	GGAAAGCTTTCACTTTCGtacgctGGAAAGCTTTCACTTTCGtgccgctGGAAAGCT TTCACTTTCGtgctttGGAAAGCTTTCACTTTCGtgatctGGAAAGCTTTCACTTTC GtacgctGGAAAGCTTTCACTTTCG

7586	DNA; Synthetic Construct	CGAAAGTGAAACCTAACCtacgctCGAAAGTGAAACCTAACCtgccgctCGAAAGTG AAACCTAACCtgctttCGAAAGTGAAACCTAACCtgatctCGAAAGTGAAACCTAAC CtacgctCGAAAGTGAAACCTAACC
7587	DNA; Synthetic Construct	GGTTAGGTTTCACTTTCGtacgctGGTTAGGTTTCACTTTCGtgccgctGGTTAGGT TTCACTTTCGtgctttGGTTAGGTTTCACTTTCGtgatctGGTTAGGTTTCACTTTC GtacgctGGTTAGGTTTCACTTTCG
7588	DNA; Synthetic Construct	CGAAAGTGAAACCTATCCtacgctCGAAAGTGAAACCTATCCtgccgctCGAAAGTG AAACCTATCCtgctttCGAAAGTGAAACCTATCCtgatctCGAAAGTGAAACCTATC CtacgctCGAAAGTGAAACCTATCC
7589	DNA; Synthetic Construct	GGATAGGTTTCACTTTCGtacgctGGATAGGTTTCACTTTCGtgccgctGGATAGGT TTCACTTTCGtgctttGGATAGGTTTCACTTTCGtgatctGGATAGGTTTCACTTTC GtacgctGGATAGGTTTCACTTTCG
7590	DNA; Synthetic Construct	CGAAAGTGAAACCTTACCtacgctCGAAAGTGAAACCTTACCtgccgctCGAAAGTG AAACCTTACCtgctttCGAAAGTGAAACCTTACCtgatctCGAAAGTGAAACCTTAC CtacgctCGAAAGTGAAACCTTACC
7591	DNA; Synthetic Construct	GGTAAGGTTTCACTTTCGtacgctGGTAAGGTTTCACTTTCGtgccgctGGTAAGGT TTCACTTTCGtgctttGGTAAGGTTTCACTTTCGtgatctGGTAAGGTTTCACTTTC GtacgctGGTAAGGTTTCACTTTCG
7592	DNA; Synthetic Construct	CGAAAGTGAAACCTTTCCtacgctCGAAAGTGAAACCTTTCCtgccgctCGAAAGTG AAACCTTTCCtgctttCGAAAGTGAAACCTTTCCtgatctCGAAAGTGAAACCTTTC CtacgctCGAAAGTGAAACCTTTCC
7593	DNA; Synthetic Construct	GGAAAGGTTTCACTTTCGtacgctGGAAAGGTTTCACTTTCGtgccgctGGAAAGGT TTCACTTTCGtgctttGGAAAGGTTTCACTTTCGtgatctGGAAAGGTTTCACTTTC GtacgctGGAAAGGTTTCACTTTCG
7594	DNA; Synthetic Construct	CTGCCTCCCTCCCTtgatctCTGCCTCCCTCCCTtacgctCTGCCTCCCTCCCTtgc cgctCTGCCTCCCTCCCTtgctttCTGCCTCCCTCCCTtgatctCTGCCTCCCTCCC TtacgctCTGCCTCCCTCCCT
7595	DNA; Synthetic Construct	AGGGAGGGAGGCAGtgatctAGGGAGGGAGGCAGtacgctAGGGAGGGAGGCAGtgc cgctAGGGAGGGAGGCAGtgctttAGGGAGGGAGGCAGtgatctAGGGAGGGAGGCA GtacgctAGGGAGGGAGGCAG
7596	DNA; Synthetic Construct	CTGCTTCCCTCCCTtgatctCTGCTTCCCTCCCTtacgctCTGCTTCCCTCCCTtgc cgctCTGCTTCCCTCCCTtgctttCTGCTTCCCTCCCTtgatctCTGCTTCCCTCCC TtacgctCTGCTTCCCTCCCT
7597	DNA; Synthetic Construct	AGGGAGGGAAGCAGtgatctAGGGAGGGAAGCAGtacgctAGGGAGGGAAGCAGtgc cgctAGGGAGGGAAGCAGtgctttAGGGAGGGAAGCAGtgatctAGGGAGGGAAGCA GtacgctAGGGAGGGAAGCAG
7598	DNA; Synthetic Construct	CTGTCTCCCTCCCTtgatctCTGTCTCCCTCCCTtacgctCTGTCTCCCTCCCTtgc cgctCTGTCTCCCTCCCTtgctttCTGTCTCCCTCCCTtgatctCTGTCTCCCTCCC TtacgctCTGTCTCCCTCCCT
7599	DNA; Synthetic Construct	AGGGAGGGAGACAGtgatctAGGGAGGGAGACAGtacgctAGGGAGGGAGACAGtgc cgctAGGGAGGGAGACAGtgctttAGGGAGGGAGACAGtgatctAGGGAGGGAGACA GtacgctAGGGAGGGAGACAG
7600	DNA; Synthetic Construct	CTGTTTCCCTCCCTtgatctCTGTTTCCCTCCCTtacgctCTGTTTCCCTCCCTtgc cgctCTGTTTCCCTCCCTtgctttCTGTTTCCCTCCCTtgatctCTGTTTCCCTCCC TtacgctCTGTTTCCCTCCCT
7601	DNA; Synthetic Construct	AGGGAGGGAAACAGtgatctAGGGAGGGAAACAGtacgctAGGGAGGGAAACAGtgc cgctAGGGAGGGAAACAGtgctttAGGGAGGGAAACAGtgatctAGGGAGGGAAACA GtacgctAGGGAGGGAAACAG
7602	DNA; Synthetic Construct	CTCCCTCCCTCCCTtgatctCTCCCTCCCTCCCTtacgctCTCCCTCCCTCCCTtgc cgctCTCCCTCCCTCCCTtgctttCTCCCTCCCTCCCTtgatctCTCCCTCCCTCCC TtacgctCTCCCTCCCTCCCT
7603	DNA; Synthetic Construct	AGGGAGGGAGGGAGtgatctAGGGAGGGAGGGAGtacgctAGGGAGGGAGGGAGtgc cgctAGGGAGGGAGGGAGtgctttAGGGAGGGAGGGAGtgatctAGGGAGGGAGGGA GtacgctAGGGAGGGAGGGAG

7604	DNA; Synthetic Construct	CTCCTTCCCTCCCTtgatctCTCCTTCCCTCCCTtacgctCTCCTTCCCTCCCTtgc cgctCTCCTTCCCTCCCTtgctttCTCCTTCCCTCCCTtgatctCTCCTTCCCTCCC TtacgctCTCCTTCCCTCCCT
7605	DNA; Synthetic Construct	AGGGAGGGAAGGAGtgatctAGGGAGGGAAGGAGtacgctAGGGAGGGAAGGAGtgc cgctAGGGAGGGAAGGAGtgctttAGGGAGGGAAGGAGtgatctAGGGAGGGAAGGA GtacgctAGGGAGGGAAGGAG
7606	DNA; Synthetic Construct	CTCTCTCCCTCCCTtgatctCTCTCTCCCTCCCTtacgctCTCTCTCCCTCCCTtgc cgctCTCTCTCCCTCCCTtgctttCTCTCTCCCTCCCTtgatctCTCTCTCCCTCCC TtacgctCTCTCTCCCTCCCT
7607	DNA; Synthetic Construct	AGGGAGGGAGAGAGtgatctAGGGAGGGAGAGAGtacgctAGGGAGGGAGAGAGtgc cgctAGGGAGGGAGAGAGtgctttAGGGAGGGAGAGAGtgatctAGGGAGGGAGAGA GtacgctAGGGAGGGAGAGAG
7608	DNA; Synthetic Construct	CTCTTTCCCTCCCTtgatctCTCTTTCCCTCCCTtacgctCTCTTTCCCTCCCTtgc cgctCTCTTTCCCTCCCTtgctttCTCTTTCCCTCCCTtgatctCTCTTTCCCTCCC TtacgctCTCTTTCCCTCCCT
7609	DNA; Synthetic Construct	AGGGAGGGAAAGAGtgatctAGGGAGGGAAAGAGtacgctAGGGAGGGAAAGAGtgc cgctAGGGAGGGAAAGAGtgctttAGGGAGGGAAAGAGtgatctAGGGAGGGAAAGA GtacgctAGGGAGGGAAAGAG
7610	DNA; Synthetic Construct	AAATGACGTCATtgctttAAATGACGTCATtgatctAAATGACGTCATtacgctAAA TGACGTCATtgccgctAAATGACGTCATtgctttAAATGACGTCATtgatctAAATG ACGTCATtacgctAAATGACGTCAT
7611	DNA; Synthetic Construct	ATGACGTCATTTtgctttATGACGTCATTTtgatctATGACGTCATTTtacgctATG ACGTCATTTtgccgctATGACGTCATTTtgctttATGACGTCATTTtgatctATGAC GTCATTTtacgctATGACGTCATTT
7612	DNA; Synthetic Construct	ACATGACGTCATtgctttACATGACGTCATtgatctACATGACGTCATtacgctACA TGACGTCATtgccgctACATGACGTCATtgctttACATGACGTCATtgatctACATG ACGTCATtacgctACATGACGTCAT
7613	DNA; Synthetic Construct	ATGACGTCATGTtgctttATGACGTCATGTtgatctATGACGTCATGTtacgctATG ACGTCATGTtgccgctATGACGTCATGTtgctttATGACGTCATGTtgatctATGAC GTCATGTtacgctATGACGTCATGT
7614	DNA; Synthetic Construct	AGATGACGTCATtgctttAGATGACGTCATtgatctAGATGACGTCATtacgctAGA TGACGTCATtgccgctAGATGACGTCATtgctttAGATGACGTCATtgatctAGATG ACGTCATtacgctAGATGACGTCAT
7615	DNA; Synthetic Construct	ATGACGTCATCTtgctttATGACGTCATCTtgatctATGACGTCATCTtacgctATG ACGTCATCTtgccgctATGACGTCATCTtgctttATGACGTCATCTtgatctATGAC GTCATCTtacgctATGACGTCATCT
7616	DNA; Synthetic Construct	CAATGACGTCATtgctttCAATGACGTCATtgatctCAATGACGTCATtacgctCAA TGACGTCATtgccgctCAATGACGTCATtgctttCAATGACGTCATtgatctCAATG ACGTCATtacgctCAATGACGTCAT
7617	DNA; Synthetic Construct	ATGACGTCATTGtgctttATGACGTCATTGtgatctATGACGTCATTGtacgctATG ACGTCATTGtgccgctATGACGTCATTGtgctttATGACGTCATTGtgatctATGAC GTCATTGtacgctATGACGTCATTG
7618	DNA; Synthetic Construct	CCATGACGTCATtgctttCCATGACGTCATtgatctCCATGACGTCATtacgctCCA TGACGTCATtgccgctCCATGACGTCATtgctttCCATGACGTCATtgatctCCATG ACGTCATtacgctCCATGACGTCAT
7619	DNA; Synthetic Construct	ATGACGTCATGGtgctttATGACGTCATGGtgatctATGACGTCATGGtacgctATG ACGTCATGGtgccgctATGACGTCATGGtgctttATGACGTCATGGtgatctATGAC GTCATGGtacgctATGACGTCATGG
7620	DNA; Synthetic Construct	CGATGACGTCATtgctttCGATGACGTCATtgatctCGATGACGTCATtacgctCGA TGACGTCATtgccgctCGATGACGTCATtgctttCGATGACGTCATtgatctCGATG ACGTCATtacgctCGATGACGTCAT
7621	DNA; Synthetic Construct	ATGACGTCATCGtgctttATGACGTCATCGtgatctATGACGTCATCGtacgctATG ACGTCATCGtgccgctATGACGTCATCGtgctttATGACGTCATCGtgatctATGAC GTCATCGtacgctATGACGTCATCG

7622	DNA; Synthetic Construct	GAATGACGTCATtgctttGAATGACGTCATtgatctGAATGACGTCATtacgctGAA TGACGTCATtgccgctGAATGACGTCATtgctttGAATGACGTCATtgatctGAATG ACGTCATtacgctGAATGACGTCAT
7623	DNA; Synthetic Construct	ATGACGTCATTCtgctttATGACGTCATTCtgatctATGACGTCATTCtacgctATG ACGTCATTCtgccgctATGACGTCATTCtgctttATGACGTCATTCtgatctATGAC GTCATTCtacgctATGACGTCATTC
7624	DNA; Synthetic Construct	GCATGACGTCATtgctttGCATGACGTCATtgatctGCATGACGTCATtacgctGCA TGACGTCATtgccgctGCATGACGTCATtgctttGCATGACGTCATtgatctGCATG ACGTCATtacgctGCATGACGTCAT
7625	DNA; Synthetic Construct	ATGACGTCATGCtgctttATGACGTCATGCtgatctATGACGTCATGCtacgctATG ACGTCATGCtgccgctATGACGTCATGCtgctttATGACGTCATGCtgatctATGAC GTCATGCtacgctATGACGTCATGC
7626	DNA; Synthetic Construct	GGATGACGTCATtgctttGGATGACGTCATtgatctGGATGACGTCATtacgctGGA TGACGTCATtgccgctGGATGACGTCATtgctttGGATGACGTCATtgatctGGATG ACGTCATtacgctGGATGACGTCAT
7627	DNA; Synthetic Construct	ATGACGTCATCCtgctttATGACGTCATCCtgatctATGACGTCATCCtacgctATG ACGTCATCCtgccgctATGACGTCATCCtgctttATGACGTCATCCtgatctATGAC GTCATCCtacgctATGACGTCATCC
7628	DNA; Synthetic Construct	TAATTGTTATTTAATAGtacgctTAATTGTTATTTAATAGtgccgctTAATTGTTAT TTAATAGtgctttTAATTGTTATTTAATAGtgatctTAATTGTTATTTAATAGtacg ctTAATTGTTATTTAATAG
7629	DNA; Synthetic Construct	CTATTAAATAACAATTAtacgctCTATTAAATAACAATTAtgccgctCTATTAAATA ACAATTAtgctttCTATTAAATAACAATTAtgatctCTATTAAATAACAATTAtacg ctCTATTAAATAACAATTA
7630	DNA; Synthetic Construct	TAATTGTTTTTTAATAGtacgctTAATTGTTTTTTAATAGtgccgctTAATTGTTTT TTAATAGtgctttTAATTGTTTTTTAATAGtgatctTAATTGTTTTTTAATAGtacg ctTAATTGTTTTTTAATAG
7631	DNA; Synthetic Construct	CTATTAAAAAACAATTAtacgctCTATTAAAAAACAATTAtgccgctCTATTAAAAA ACAATTAtgctttCTATTAAAAAACAATTAtgatctCTATTAAAAAACAATTAtacg ctCTATTAAAAAACAATTA
7632	DNA; Synthetic Construct	AAGGCAGCAGCATCTtgatctAAGGCAGCAGCATCTtacgctAAGGCAGCAGCATCT tgccgctAAGGCAGCAGCATCTtgctttAAGGCAGCAGCATCTtgatctAAGGCAGC AGCATCTtacgctAAGGCAGCAGCATCT
7633	DNA; Synthetic Construct	AGATGCTGCTGCCTTtgatctAGATGCTGCTGCCTTtacgctAGATGCTGCTGCCTT tgccgctAGATGCTGCTGCCTTtgctttAGATGCTGCTGCCTTtgatctAGATGCTG CTGCCTTtacgctAGATGCTGCTGCCTT
7634	DNA; Synthetic Construct	AAGGCAGTAGCATCTtgatctAAGGCAGTAGCATCTtacgctAAGGCAGTAGCATCT tgccgctAAGGCAGTAGCATCTtgctttAAGGCAGTAGCATCTtgatctAAGGCAGT AGCATCTtacgctAAGGCAGTAGCATCT
7635	DNA; Synthetic Construct	AGATGCTACTGCCTTtgatctAGATGCTACTGCCTTtacgctAGATGCTACTGCCTT tgccgctAGATGCTACTGCCTTtgctttAGATGCTACTGCCTTtgatctAGATGCTA CTGCCTTtacgctAGATGCTACTGCCTT
7636	DNA; Synthetic Construct	AAGGTAGCAGCATCTtgatctAAGGTAGCAGCATCTtacgctAAGGTAGCAGCATCT tgccgctAAGGTAGCAGCATCTtgctttAAGGTAGCAGCATCTtgatctAAGGTAGC AGCATCTtacgctAAGGTAGCAGCATCT
7637	DNA; Synthetic Construct	AGATGCTGCTACCTTtgatctAGATGCTGCTACCTTtacgctAGATGCTGCTACCTT tgccgctAGATGCTGCTACCTTtgctttAGATGCTGCTACCTTtgatctAGATGCTG CTACCTTtacgctAGATGCTGCTACCTT
7638	DNA; Synthetic Construct	AAGGTAGTAGCATCTtgatctAAGGTAGTAGCATCTtacgctAAGGTAGTAGCATCT tgccgctAAGGTAGTAGCATCTtgctttAAGGTAGTAGCATCTtgatctAAGGTAGT AGCATCTtacgctAAGGTAGTAGCATCT
7639	DNA; Synthetic Construct	AGATGCTACTACCTTtgatctAGATGCTACTACCTTtacgctAGATGCTACTACCTT tgccgctAGATGCTACTACCTTtgctttAGATGCTACTACCTTtgatctAGATGCTA CTACCTTtacgctAGATGCTACTACCTT

7640	DNA; Synthetic Construct	AGGGCAGCAGCATCTtgatctAGGGCAGCAGCATCTtacgctAGGGCAGCAGCATCT tgccgctAGGGCAGCAGCATCTtgctttAGGGCAGCAGCATCTtgatctAGGGCAGC AGCATCTtacgctAGGGCAGCAGCATCT
7641	DNA; Synthetic Construct	AGATGCTGCTGCCCTtgatctAGATGCTGCTGCCCTtacgctAGATGCTGCTGCCCT tgccgctAGATGCTGCTGCCCTtgctttAGATGCTGCTGCCCTtgatctAGATGCTG CTGCCCTtacgctAGATGCTGCTGCCCT
7642	DNA; Synthetic Construct	AGGGCAGTAGCATCTtgatctAGGGCAGTAGCATCTtacgctAGGGCAGTAGCATCT tgccgctAGGGCAGTAGCATCTtgctttAGGGCAGTAGCATCTtgatctAGGGCAGT AGCATCTtacgctAGGGCAGTAGCATCT
7643	DNA; Synthetic Construct	AGATGCTACTGCCCTtgatctAGATGCTACTGCCCTtacgctAGATGCTACTGCCCT tgccgctAGATGCTACTGCCCTtgctttAGATGCTACTGCCCTtgatctAGATGCTA CTGCCCTtacgctAGATGCTACTGCCCT
7644	DNA; Synthetic Construct	AGGGTAGCAGCATCTtgatctAGGGTAGCAGCATCTtacgctAGGGTAGCAGCATCT tgccgctAGGGTAGCAGCATCTtgctttAGGGTAGCAGCATCTtgatctAGGGTAGC AGCATCTtacgctAGGGTAGCAGCATCT
7645	DNA; Synthetic Construct	AGATGCTGCTACCCTtgatctAGATGCTGCTACCCTtacgctAGATGCTGCTACCCT tgccgctAGATGCTGCTACCCTtgctttAGATGCTGCTACCCTtgatctAGATGCTG CTACCCTtacgctAGATGCTGCTACCCT
7646	DNA; Synthetic Construct	AGGGTAGTAGCATCTtgatctAGGGTAGTAGCATCTtacgctAGGGTAGTAGCATCT tgccgctAGGGTAGTAGCATCTtgctttAGGGTAGTAGCATCTtgatctAGGGTAGT AGCATCTtacgctAGGGTAGTAGCATCT
7647	DNA; Synthetic Construct	AGATGCTACTACCCTtgatctAGATGCTACTACCCTtacgctAGATGCTACTACCCT tgccgctAGATGCTACTACCCTtgctttAGATGCTACTACCCTtgatctAGATGCTA CTACCCTtacgctAGATGCTACTACCCT
7648	DNA; Synthetic Construct	ATGGCAGCAGCATCTtgatctATGGCAGCAGCATCTtacgctATGGCAGCAGCATCT tgccgctATGGCAGCAGCATCTtgctttATGGCAGCAGCATCTtgatctATGGCAGC AGCATCTtacgctATGGCAGCAGCATCT
7649	DNA; Synthetic Construct	AGATGCTGCTGCCATtgatctAGATGCTGCTGCCATtacgctAGATGCTGCTGCCAT tgccgctAGATGCTGCTGCCATtgctttAGATGCTGCTGCCATtgatctAGATGCTG CTGCCATtacgctAGATGCTGCTGCCAT
7650	DNA; Synthetic Construct	ATGGCAGTAGCATCTtgatctATGGCAGTAGCATCTtacgctATGGCAGTAGCATCT tgccgctATGGCAGTAGCATCTtgctttATGGCAGTAGCATCTtgatctATGGCAGT AGCATCTtacgctATGGCAGTAGCATCT
7651	DNA; Synthetic Construct	AGATGCTACTGCCATtgatctAGATGCTACTGCCATtacgctAGATGCTACTGCCAT tgccgctAGATGCTACTGCCATtgctttAGATGCTACTGCCATtgatctAGATGCTA CTGCCATtacgctAGATGCTACTGCCAT
7652	DNA; Synthetic Construct	ATGGTAGCAGCATCTtgatctATGGTAGCAGCATCTtacgctATGGTAGCAGCATCT tgccgctATGGTAGCAGCATCTtgctttATGGTAGCAGCATCTtgatctATGGTAGC AGCATCTtacgctATGGTAGCAGCATCT
7653	DNA; Synthetic Construct	AGATGCTGCTACCATtgatctAGATGCTGCTACCATtacgctAGATGCTGCTACCAT tgccgctAGATGCTGCTACCATtgctttAGATGCTGCTACCATtgatctAGATGCTG CTACCATtacgctAGATGCTGCTACCAT
7654	DNA; Synthetic Construct	ATGGTAGTAGCATCTtgatctATGGTAGTAGCATCTtacgctATGGTAGTAGCATCT tgccgctATGGTAGTAGCATCTtgctttATGGTAGTAGCATCTtgatctATGGTAGT AGCATCTtacgctATGGTAGTAGCATCT
7655	DNA; Synthetic Construct	AGATGCTACTACCATtgatctAGATGCTACTACCATtacgctAGATGCTACTACCAT tgccgctAGATGCTACTACCATtgctttAGATGCTACTACCATtgatctAGATGCTA CTACCATtacgctAGATGCTACTACCAT
7656	DNA; Synthetic Construct	CTTATCTGCCAGTCGCAGtacgctCTTATCTGCCAGTCGCAGtgccgctCTTATCTG CCAGTCGCAGtgctttCTTATCTGCCAGTCGCAGtgatctCTTATCTGCCAGTCGCA GtacgctCTTATCTGCCAGTCGCAG
7657	DNA; Synthetic Construct	CTGCGACTGGCAGATAAGtacgctCTGCGACTGGCAGATAAGtgccgctCTGCGACT GGCAGATAAGtgctttCTGCGACTGGCAGATAAGtgatctCTGCGACTGGCAGATAA GtacgctCTGCGACTGGCAGATAAG

7658	DNA; Synthetic Construct	CTTATCTGCCAGTCCCAGtacgctCTTATCTGCCAGTCCCAGtgccgctCTTATCTG CCAGTCCCAGtgctttCTTATCTGCCAGTCCCAGtgatctCTTATCTGCCAGTCCCA GtacgctCTTATCTGCCAGTCCCAG
7659	DNA; Synthetic Construct	CTGGGACTGGCAGATAAGtacgctCTGGGACTGGCAGATAAGtgccgctCTGGGACT GGCAGATAAGtgctttCTGGGACTGGCAGATAAGtgatctCTGGGACTGGCAGATAA GtacgctCTGGGACTGGCAGATAAG
7660	DNA; Synthetic Construct	CTTATCTCCCAGTCGCAGtacgctCTTATCTCCCAGTCGCAGtgccgctCTTATCTC CCAGTCGCAGtgctttCTTATCTCCCAGTCGCAGtgatctCTTATCTCCCAGTCGCA GtacgctCTTATCTCCCAGTCGCAG
7661	DNA; Synthetic Construct	CTGCGACTGGGAGATAAGtacgctCTGCGACTGGGAGATAAGtgccgctCTGCGACT GGGAGATAAGtgctttCTGCGACTGGGAGATAAGtgatctCTGCGACTGGGAGATAA GtacgctCTGCGACTGGGAGATAAG
7662	DNA; Synthetic Construct	CTTATCTCCCAGTCCCAGtacgctCTTATCTCCCAGTCCCAGtgccgctCTTATCTC CCAGTCCCAGtgctttCTTATCTCCCAGTCCCAGtgatctCTTATCTCCCAGTCCCA GtacgctCTTATCTCCCAGTCCCAG
7663	DNA; Synthetic Construct	CTGGGACTGGGAGATAAGtacgctCTGGGACTGGGAGATAAGtgccgctCTGGGACT GGGAGATAAGtgctttCTGGGACTGGGAGATAAGtgatctCTGGGACTGGGAGATAA GtacgctCTGGGACTGGGAGATAAG
7664	DNA; Synthetic Construct	AAAGAGAAAGTGAAAGTAtacgctAAAGAGAAAGTGAAAGTAtgccgctAAAGAGAA AGTGAAAGTAtgctttAAAGAGAAAGTGAAAGTAtgatctAAAGAGAAAGTGAAAGT AtacgctAAAGAGAAAGTGAAAGTA
7665	DNA; Synthetic Construct	TACTTTCACTTTCTCTTTtacgctTACTTTCACTTTCTCTTTtgccgctTACTTTCA CTTTCTCTTTtgctttTACTTTCACTTTCTCTTTtgatctTACTTTCACTTTCTCTT TtacgctTACTTTCACTTTCTCTTT
7666	DNA; Synthetic Construct	AAAGAGAAAGTGAAAGTGtacgctAAAGAGAAAGTGAAAGTGtgccgctAAAGAGAA AGTGAAAGTGtgctttAAAGAGAAAGTGAAAGTGtgatctAAAGAGAAAGTGAAAGT GtacgctAAAGAGAAAGTGAAAGTG
7667	DNA; Synthetic Construct	CACTTTCACTTTCTCTTTtacgctCACTTTCACTTTCTCTTTtgccgctCACTTTCA CTTTCTCTTTtgctttCACTTTCACTTTCTCTTTtgatctCACTTTCACTTTCTCTT TtacgctCACTTTCACTTTCTCTTT
7668	DNA; Synthetic Construct	AAAGAGAAAGTGAAACTAtacgctAAAGAGAAAGTGAAACTAtgccgctAAAGAGAA AGTGAAACTAtgctttAAAGAGAAAGTGAAACTAtgatctAAAGAGAAAGTGAAACT AtacgctAAAGAGAAAGTGAAACTA
7669	DNA; Synthetic Construct	TAGTTTCACTTTCTCTTTtacgctTAGTTTCACTTTCTCTTTtgccgctTAGTTTCA CTTTCTCTTTtgctttTAGTTTCACTTTCTCTTTtgatctTAGTTTCACTTTCTCTT TtacgctTAGTTTCACTTTCTCTTT
7670	DNA; Synthetic Construct	AAAGAGAAAGTGAAACTGtacgctAAAGAGAAAGTGAAACTGtgccgctAAAGAGAA AGTGAAACTGtgctttAAAGAGAAAGTGAAACTGtgatctAAAGAGAAAGTGAAACT GtacgctAAAGAGAAAGTGAAACTG
7671	DNA; Synthetic Construct	CAGTTTCACTTTCTCTTTtacgctCAGTTTCACTTTCTCTTTtgccgctCAGTTTCA CTTTCTCTTTtgctttCAGTTTCACTTTCTCTTTtgatctCAGTTTCACTTTCTCTT TtacgctCAGTTTCACTTTCTCTTT
7672	DNA; Synthetic Construct	GGTCACGTGAtgccgctGGTCACGTGAtgctttGGTCACGTGAtgatctGGTCACGT GAtacgctGGTCACGTGAtgccgctGGTCACGTGAtgctttGGTCACGTGAtgatct GGTCACGTGAtacgctGGTCACGTGA
7673	DNA; Synthetic Construct	TCACGTGACCtgccgctTCACGTGACCtgctttTCACGTGACCtgatctTCACGTGA CCtacgctTCACGTGACCtgccgctTCACGTGACCtgctttTCACGTGACCtgatct TCACGTGACCtacgctTCACGTGACC
7674	DNA; Synthetic Construct	AGGTCAGTGACCTtgctttAGGTCAGTGACCTtgatctAGGTCAGTGACCTtacgct AGGTCAGTGACCTtgccgctAGGTCAGTGACCTtgctttAGGTCAGTGACCTtgatc tAGGTCAGTGACCTtacgctAGGTCAGTGACCT
7675	DNA; Synthetic Construct	AGGTCACTGACCTtgctttAGGTCACTGACCTtgatctAGGTCACTGACCTtacgct AGGTCACTGACCTtgccgctAGGTCACTGACCTtgctttAGGTCACTGACCTtgatc tAGGTCACTGACCTtacgctAGGTCACTGACCT

7676	DNA; Synthetic Construct	TTTCCGGTAAtgccgctTTTCCGGTAAtgctttTTTCCGGTAAtgatctTTTCCGGT AAtacgctTTTCCGGTAAtgccgctTTTCCGGTAAtgctttTTTCCGGTAAtgatct TTTCCGGTAAtacgctTTTCCGGTAA
7677	DNA; Synthetic Construct	TTACCGGAAAtgccgctTTACCGGAAAtgctttTTACCGGAAAtgatctTTACCGGA AAtacgctTTACCGGAAAtgccgctTTACCGGAAAtgctttTTACCGGAAAtgatct TTACCGGAAAtacgctTTACCGGAAA
7678	DNA; Synthetic Construct	CCCCCGCCCCAGTCGAGCCCtgccgctCCCCCGCCCCAGTCGAGCCCtgctttCCCC CGCCCCAGTCGAGCCCtgatctCCCCCGCCCCAGTCGAGCCCtacgctCCCCCGCCC CAGTCGAGCCC
7679	DNA; Synthetic Construct	GGGCTCGACTGGGGCGGGGGtgccgctGGGCTCGACTGGGGCGGGGGtgctttGGGC TCGACTGGGGCGGGGGtgatctGGGCTCGACTGGGGCGGGGGtacgctGGGCTCGAC TGGGGCGGGGG
7680	DNA; Synthetic Construct	CCCCCGCCCCAGTCGAGCCTtgccgctCCCCCGCCCCAGTCGAGCCTtgctttCCCC CGCCCCAGTCGAGCCTtgatctCCCCCGCCCCAGTCGAGCCTtacgctCCCCCGCCC CAGTCGAGCCT
7681	DNA; Synthetic Construct	AGGCTCGACTGGGGCGGGGGtgccgctAGGCTCGACTGGGGCGGGGGtgctttAGGC TCGACTGGGGCGGGGGtgatctAGGCTCGACTGGGGCGGGGGtacgctAGGCTCGAC TGGGGCGGGGG
7682	DNA; Synthetic Construct	CCCCCGCCCCAGTCGGGCCCtgccgctCCCCCGCCCCAGTCGGGCCCtgctttCCCC CGCCCCAGTCGGGCCCtgatctCCCCCGCCCCAGTCGGGCCCtacgctCCCCCGCCC CAGTCGGGCCC
7683	DNA; Synthetic Construct	GGGCCCGACTGGGGCGGGGGtgccgctGGGCCCGACTGGGGCGGGGGtgctttGGGC CCGACTGGGGCGGGGGtgatctGGGCCCGACTGGGGCGGGGGtacgctGGGCCCGAC TGGGGCGGGGG
7684	DNA; Synthetic Construct	CCCCCGCCCCAGTCGGGCCTtgccgctCCCCCGCCCCAGTCGGGCCTtgctttCCCC CGCCCCAGTCGGGCCTtgatctCCCCCGCCCCAGTCGGGCCTtacgctCCCCCGCCC CAGTCGGGCCT
7685	DNA; Synthetic Construct	AGGCCCGACTGGGGCGGGGGtgccgctAGGCCCGACTGGGGCGGGGGtgctttAGGC CCGACTGGGGCGGGGGtgatctAGGCCCGACTGGGGCGGGGGtacgctAGGCCCGAC TGGGGCGGGGG
7686	DNA; Synthetic Construct	CCCCCGCCCCAGTCCAGCCCtgccgctCCCCCGCCCCAGTCCAGCCCtgctttCCCC CGCCCCAGTCCAGCCCtgatctCCCCCGCCCCAGTCCAGCCCtacgctCCCCCGCCC CAGTCCAGCCC
7687	DNA; Synthetic Construct	GGGCTGGACTGGGGCGGGGGtgccgctGGGCTGGACTGGGGCGGGGGtgctttGGGC TGGACTGGGGCGGGGGtgatctGGGCTGGACTGGGGCGGGGGtacgctGGGCTGGAC TGGGGCGGGGG
7688	DNA; Synthetic Construct	CCCCCGCCCCAGTCCAGCCTtgccgctCCCCCGCCCCAGTCCAGCCTtgctttCCCC CGCCCCAGTCCAGCCTtgatctCCCCCGCCCCAGTCCAGCCTtacgctCCCCCGCCC CAGTCCAGCCT
7689	DNA; Synthetic Construct	AGGCTGGACTGGGGCGGGGGtgccgctAGGCTGGACTGGGGCGGGGGtgctttAGGC TGGACTGGGGCGGGGGtgatctAGGCTGGACTGGGGCGGGGGtacgctAGGCTGGAC TGGGGCGGGGG
7690	DNA; Synthetic Construct	CCCCCGCCCCAGTCCGGCCCtgccgctCCCCCGCCCCAGTCCGGCCCtgctttCCCC CGCCCCAGTCCGGCCCtgatctCCCCCGCCCCAGTCCGGCCCtacgctCCCCCGCCC CAGTCCGGCCC
7691	DNA; Synthetic Construct	GGGCCGGACTGGGGCGGGGGtgccgctGGGCCGGACTGGGGCGGGGGtgctttGGGC CGGACTGGGGCGGGGGtgatctGGGCCGGACTGGGGCGGGGGtacgctGGGCCGGAC TGGGGCGGGGG
7692	DNA; Synthetic Construct	CCCCCGCCCCAGTCCGGCCTtgccgctCCCCCGCCCCAGTCCGGCCTtgctttCCCC CGCCCCAGTCCGGCCTtgatctCCCCCGCCCCAGTCCGGCCTtacgctCCCCCGCCC CAGTCCGGCCT
7693	DNA; Synthetic Construct	AGGCCGGACTGGGGCGGGGGtgccgctAGGCCGGACTGGGGCGGGGGtgctttAGGC CGGACTGGGGCGGGGGtgatctAGGCCGGACTGGGGCGGGGGtacgctAGGCCGGAC TGGGGCGGGGG

7694	DNA; Synthetic Construct	CCCCCGCCCCACTCGAGCCCtgccgctCCCCCGCCCCACTCGAGCCCtgctttCCCC CGCCCCACTCGAGCCCtgatctCCCCCGCCCCACTCGAGCCCtacgctCCCCCGCCC CACTCGAGCCC
7695	DNA; Synthetic Construct	GGGCTCGAGTGGGGCGGGGGtgccgctGGGCTCGAGTGGGGCGGGGGtgctttGGGC TCGAGTGGGGCGGGGGtgatctGGGCTCGAGTGGGGCGGGGGtacgctGGGCTCGAG TGGGGCGGGGG
7696	DNA; Synthetic Construct	CCCCCGCCCCACTCGAGCCTtgccgctCCCCCGCCCCACTCGAGCCTtgctttCCCC CGCCCCACTCGAGCCTtgatctCCCCCGCCCCACTCGAGCCTtacgctCCCCCGCCC CACTCGAGCCT
7697	DNA; Synthetic Construct	AGGCTCGAGTGGGGCGGGGGtgccgctAGGCTCGAGTGGGGCGGGGGtgctttAGGC TCGAGTGGGGCGGGGGtgatctAGGCTCGAGTGGGGCGGGGGtacgctAGGCTCGAG TGGGGCGGGGG
7698	DNA; Synthetic Construct	CCCCCGCCCCACTCGGGCCCtgccgctCCCCCGCCCCACTCGGGCCCtgctttCCCC CGCCCCACTCGGGCCCtgatctCCCCCGCCCCACTCGGGCCCtacgctCCCCCGCCC CACTCGGGCCC
7699	DNA; Synthetic Construct	GGGCCCGAGTGGGGCGGGGGtgccgctGGGCCCGAGTGGGGCGGGGGtgctttGGGC CCGAGTGGGGCGGGGGtgatctGGGCCCGAGTGGGGCGGGGGtacgctGGGCCCGAG TGGGGCGGGGG
7700	DNA; Synthetic Construct	CCCCCGCCCCACTCGGGCCTtgccgctCCCCCGCCCCACTCGGGCCTtgctttCCCC CGCCCCACTCGGGCCTtgatctCCCCCGCCCCACTCGGGCCTtacgctCCCCCGCCC CACTCGGGCCT
7701	DNA; Synthetic Construct	AGGCCCGAGTGGGGCGGGGGtgccgctAGGCCCGAGTGGGGCGGGGGtgctttAGGC CCGAGTGGGGCGGGGGtgatctAGGCCCGAGTGGGGCGGGGGtacgctAGGCCCGAG TGGGGCGGGGG
7702	DNA; Synthetic Construct	CCCCCGCCCCACTCCAGCCCtgccgctCCCCCGCCCCACTCCAGCCCtgctttCCCC CGCCCCACTCCAGCCCtgatctCCCCCGCCCCACTCCAGCCCtacgctCCCCCGCCC CACTCCAGCCC
7703	DNA; Synthetic Construct	GGGCTGGAGTGGGGCGGGGGtgccgctGGGCTGGAGTGGGGCGGGGGtgctttGGGC TGGAGTGGGGCGGGGGtgatctGGGCTGGAGTGGGGCGGGGGtacgctGGGCTGGAG TGGGGCGGGGG
7704	DNA; Synthetic Construct	CCCCCGCCCCACTCCAGCCTtgccgctCCCCCGCCCCACTCCAGCCTtgctttCCCC CGCCCCACTCCAGCCTtgatctCCCCCGCCCCACTCCAGCCTtacgctCCCCCGCCC CACTCCAGCCT
7705	DNA; Synthetic Construct	AGGCTGGAGTGGGGCGGGGGtgccgctAGGCTGGAGTGGGGCGGGGGtgctttAGGC TGGAGTGGGGCGGGGGtgatctAGGCTGGAGTGGGGCGGGGGtacgctAGGCTGGAG TGGGGCGGGGG
7706	DNA; Synthetic Construct	CCCCCGCCCCACTCCGGCCCtgccgctCCCCCGCCCCACTCCGGCCCtgctttCCCC CGCCCCACTCCGGCCCtgatctCCCCCGCCCCACTCCGGCCCtacgctCCCCCGCCC CACTCCGGCCC
7707	DNA; Synthetic Construct	GGGCCGGAGTGGGGCGGGGGtgccgctGGGCCGGAGTGGGGCGGGGGtgctttGGGC CGGAGTGGGGCGGGGGtgatctGGGCCGGAGTGGGGCGGGGGtacgctGGGCCGGAG TGGGGCGGGGG
7708	DNA; Synthetic Construct	CCCCCGCCCCACTCCGGCCTtgccgctCCCCCGCCCCACTCCGGCCTtgctttCCCC CGCCCCACTCCGGCCTtgatctCCCCCGCCCCACTCCGGCCTtacgctCCCCCGCCC CACTCCGGCCT
7709	DNA; Synthetic Construct	AGGCCGGAGTGGGGCGGGGGtgccgctAGGCCGGAGTGGGGCGGGGGtgctttAGGC CGGAGTGGGGCGGGGGtgatctAGGCCGGAGTGGGGCGGGGGtacgctAGGCCGGAG TGGGGCGGGGG
7710	DNA; Synthetic Construct	CCCCCGCCCCGGTCGAGCCCtgccgctCCCCCGCCCCGGTCGAGCCCtgctttCCCC CGCCCCGGTCGAGCCCtgatctCCCCCGCCCCGGTCGAGCCCtacgctCCCCCGCCC CGGTCGAGCCC
7711	DNA; Synthetic Construct	GGGCTCGACCGGGGCGGGGGtgccgctGGGCTCGACCGGGGCGGGGGtgctttGGGC TCGACCGGGGCGGGGGtgatctGGGCTCGACCGGGGCGGGGGtacgctGGGCTCGAC CGGGGCGGGGG

7712	DNA; Synthetic Construct	CCCCCGCCCCGGTCGAGCCTtgccgctCCCCCGCCCCGGTCGAGCCTtgctttCCCC CGCCCCGGTCGAGCCTtgatctCCCCCGCCCCGGTCGAGCCTtacgctCCCCCGCCC CGGTCGAGCCT
7713	DNA; Synthetic Construct	AGGCTCGACCGGGGCGGGGGTgccgctAGGCTCGACCGGGGCGGGGGTgctttAGGC TCGACCGGGGCGGGGGTgatctAGGCTCGACCGGGGCGGGGGtacgctAGGCTCGAC CGGGGCGGGGG
7714	DNA; Synthetic Construct	CCCCCGCCCCGGTCGGGCCCtgccgctCCCCCGCCCCGGTCGGGCCCtgctttCCCC CGCCCCGGTCGGGCCCtgatctCCCCCGCCCCGGTCGGGCCCtacgctCCCCCGCCC CGGTCGGGCCC
7715	DNA; Synthetic Construct	GGGCCCGACCGGGGCGGGGGTgccgctGGGCCCGACCGGGGCGGGGGTgctttGGGC CCGACCGGGGCGGGGGTgatctGGGCCCGACCGGGGCGGGGGtacgctGGGCCCGAC CGGGGCGGGGG
7716	DNA; Synthetic Construct	CCCCCGCCCCGGTCGGGCCTtgccgctCCCCCGCCCCGGTCGGGCCTtgctttCCCC CGCCCCGGTCGGGCCTtgatctCCCCCGCCCCGGTCGGGCCTtacgctCCCCCGCCC CGGTCGGGCCT
7717	DNA; Synthetic Construct	AGGCCCGACCGGGGCGGGGGTgccgctAGGCCCGACCGGGGCGGGGGTgctttAGGC CCGACCGGGGCGGGGGTgatctAGGCCCGACCGGGGCGGGGGtacgctAGGCCCGAC CGGGGCGGGGG
7718	DNA; Synthetic Construct	CCCCCGCCCCGGTCCAGCCCtgccgctCCCCCGCCCCGGTCCAGCCCtgctttCCCC CGCCCCGGTCCAGCCCtgatctCCCCCGCCCCGGTCCAGCCCtacgctCCCCCGCCC CGGTCCAGCCC
7719	DNA; Synthetic Construct	GGGCTGGACCGGGGCGGGGGTgccgctGGGCTGGACCGGGGCGGGGGTgctttGGGC TGGACCGGGGCGGGGGTgatctGGGCTGGACCGGGGCGGGGGtacgctGGGCTGGAC CGGGGCGGGGG
7720	DNA; Synthetic Construct	CCCCCGCCCCGGTCCAGCCTtgccgctCCCCCGCCCCGGTCCAGCCTtgctttCCCC CGCCCCGGTCCAGCCTtgatctCCCCCGCCCCGGTCCAGCCTtacgctCCCCCGCCC CGGTCCAGCCT
7721	DNA; Synthetic Construct	AGGCTGGACCGGGGCGGGGGTgccgctAGGCTGGACCGGGGCGGGGGTgctttAGGC TGGACCGGGGCGGGGGTgatctAGGCTGGACCGGGGCGGGGGtacgctAGGCTGGAC CGGGGCGGGGG
7722	DNA; Synthetic Construct	CCCCCGCCCCGGTCCGGCCCtgccgctCCCCCGCCCCGGTCCGGCCCtgctttCCCC CGCCCCGGTCCGGCCCtgatctCCCCCGCCCCGGTCCGGCCCtacgctCCCCCGCCC CGGTCCGGCCC
7723	DNA; Synthetic Construct	GGGCCGGACCGGGGCGGGGGTgccgctGGGCCGGACCGGGGCGGGGGTgctttGGGC CGGACCGGGGCGGGGGTgatctGGGCCGGACCGGGGCGGGGGtacgctGGGCCGGAC CGGGGCGGGGG
7724	DNA; Synthetic Construct	CCCCCGCCCCGGTCCGGCCTtgccgctCCCCCGCCCCGGTCCGGCCTtgctttCCCC CGCCCCGGTCCGGCCTtgatctCCCCCGCCCCGGTCCGGCCTtacgctCCCCCGCCC CGGTCCGGCCT
7725	DNA; Synthetic Construct	AGGCCGGACCGGGGCGGGGGTgccgctAGGCCGGACCGGGGCGGGGGTgctttAGGC CGGACCGGGGCGGGGGTgatctAGGCCGGACCGGGGCGGGGGtacgctAGGCCGGAC CGGGGCGGGGG
7726	DNA; Synthetic Construct	CCCCCGCCCCGCTCGAGCCCtgccgctCCCCCGCCCCGCTCGAGCCCtgctttCCCC CGCCCCGCTCGAGCCCtgatctCCCCCGCCCCGCTCGAGCCCtacgctCCCCCGCCC CGCTCGAGCCC
7727	DNA; Synthetic Construct	GGGCTCGAGCGGGGCGGGGGTgccgctGGGCTCGAGCGGGGCGGGGGTgctttGGGC TCGAGCGGGGCGGGGGTgatctGGGCTCGAGCGGGGCGGGGGtacgctGGGCTCGAG CGGGGCGGGGG
7728	DNA; Synthetic Construct	CCCCCGCCCCGCTCGAGCCTtgccgctCCCCCGCCCCGCTCGAGCCTtgctttCCCC CGCCCCGCTCGAGCCTtgatctCCCCCGCCCCGCTCGAGCCTtacgctCCCCCGCCC CGCTCGAGCCT
7729	DNA; Synthetic Construct	AGGCTCGAGCGGGGCGGGGGTgccgctAGGCTCGAGCGGGGCGGGGGTgctttAGGC TCGAGCGGGGCGGGGGTgatctAGGCTCGAGCGGGGCGGGGGtacgctAGGCTCGAG CGGGGCGGGGG

7730	DNA; Synthetic Construct	CCCCCGCCCCGCTCGGGCCCtgccgctCCCCCGCCCCGCTCGGGCCCtgctttCCCC CGCCCCGCTCGGGCCCtgatctCCCCCGCCCCGCTCGGGCCCtacgctCCCCCGCCC CGCTCGGGCCC
7731	DNA; Synthetic Construct	GGGCCCGAGCGGGGCGGGGGtgccgctGGGCCCGAGCGGGGCGGGGGtgctttGGGC CCGAGCGGGGCGGGGGtgatctGGGCCCGAGCGGGGCGGGGGtacgctGGGCCCGAG CGGGGCGGGGG
7732	DNA; Synthetic Construct	CCCCCGCCCCGCTCGGGCCTtgccgctCCCCCGCCCCGCTCGGGCCTtgctttCCCC CGCCCCGCTCGGGCCTtgatctCCCCCGCCCCGCTCGGGCCTtacgctCCCCCGCCC CGCTCGGGCCT
7733	DNA; Synthetic Construct	AGGCCCGAGCGGGGCGGGGGtgccgctAGGCCCGAGCGGGGCGGGGGtgctttAGGC CCGAGCGGGGCGGGGGtgatctAGGCCCGAGCGGGGCGGGGGtacgctAGGCCCGAG CGGGGCGGGGG
7734	DNA; Synthetic Construct	CCCCCGCCCCGCTCCAGCCCtgccgctCCCCCGCCCCGCTCCAGCCCtgctttCCCC CGCCCCGCTCCAGCCCtgatctCCCCCGCCCCGCTCCAGCCCtacgctCCCCCGCCC CGCTCCAGCCC
7735	DNA; Synthetic Construct	GGGCTGGAGCGGGGCGGGGGtgccgctGGGCTGGAGCGGGGCGGGGGtgctttGGGC TGGAGCGGGGCGGGGGtgatctGGGCTGGAGCGGGGCGGGGGtacgctGGGCTGGAG CGGGGCGGGGG
7736	DNA; Synthetic Construct	CCCCCGCCCCGCTCCAGCCTtgccgctCCCCCGCCCCGCTCCAGCCTtgctttCCCC CGCCCCGCTCCAGCCTtgatctCCCCCGCCCCGCTCCAGCCTtacgctCCCCCGCCC CGCTCCAGCCT
7737	DNA; Synthetic Construct	AGGCTGGAGCGGGGCGGGGGtgccgctAGGCTGGAGCGGGGCGGGGGtgctttAGGC TGGAGCGGGGCGGGGGtgatctAGGCTGGAGCGGGGCGGGGGtacgctAGGCTGGAG CGGGGCGGGGG
7738	DNA; Synthetic Construct	CCCCCGCCCCGCTCCGGCCCtgccgctCCCCCGCCCCGCTCCGGCCCtgctttCCCC CGCCCCGCTCCGGCCCtgatctCCCCCGCCCCGCTCCGGCCCtacgctCCCCCGCCC CGCTCCGGCCC
7739	DNA; Synthetic Construct	GGGCCGGAGCGGGGCGGGGGtgccgctGGGCCGGAGCGGGGCGGGGGtgctttGGGC CGGAGCGGGGCGGGGGtgatctGGGCCGGAGCGGGGCGGGGGtacgctGGGCCGGAG CGGGGCGGGGG
7740	DNA; Synthetic Construct	CCCCCGCCCCGCTCCGGCCTtgccgctCCCCCGCCCCGCTCCGGCCTtgctttCCCC CGCCCCGCTCCGGCCTtgatctCCCCCGCCCCGCTCCGGCCTtacgctCCCCCGCCC CGCTCCGGCCT
7741	DNA; Synthetic Construct	AGGCCGGAGCGGGGCGGGGGtgccgctAGGCCGGAGCGGGGCGGGGGtgctttAGGC CGGAGCGGGGCGGGGGtgatctAGGCCGGAGCGGGGCGGGGGtacgctAGGCCGGAG CGGGGCGGGGG
7742	DNA; Synthetic Construct	CCCCCTCCCCAGTCGAGCCCtgccgctCCCCCTCCCCAGTCGAGCCCtgctttCCCC CTCCCCAGTCGAGCCCtgatctCCCCCTCCCCAGTCGAGCCCtacgctCCCCCTCCC CAGTCGAGCCC
7743	DNA; Synthetic Construct	GGGCTCGACTGGGGAGGGGGtgccgctGGGCTCGACTGGGGAGGGGGtgctttGGGC TCGACTGGGGAGGGGGtgatctGGGCTCGACTGGGGAGGGGGtacgctGGGCTCGAC TGGGGAGGGGG
7744	DNA; Synthetic Construct	CCCCCTCCCCAGTCGAGCCTtgccgctCCCCCTCCCCAGTCGAGCCTtgctttCCCC CTCCCCAGTCGAGCCTtgatctCCCCCTCCCCAGTCGAGCCTtacgctCCCCCTCCC CAGTCGAGCCT
7745	DNA; Synthetic Construct	AGGCTCGACTGGGGAGGGGGtgccgctAGGCTCGACTGGGGAGGGGGtgctttAGGC TCGACTGGGGAGGGGGtgatctAGGCTCGACTGGGGAGGGGGtacgctAGGCTCGAC TGGGGAGGGGG
7746	DNA; Synthetic Construct	CCCCCTCCCCAGTCGGGCCCtgccgctCCCCCTCCCCAGTCGGGCCCtgctttCCCC CTCCCCAGTCGGGCCCtgatctCCCCCTCCCCAGTCGGGCCCtacgctCCCCCTCCC CAGTCGGGCCC
7747	DNA; Synthetic Construct	GGGCCCGACTGGGGAGGGGGtgccgctGGGCCCGACTGGGGAGGGGGtgctttGGGC CCGACTGGGGAGGGGGtgatctGGGCCCGACTGGGGAGGGGGtacgctGGGCCCGAC TGGGGAGGGGG

7748	DNA; Synthetic Construct	CCCCCTCCCCAGTCGGGCCTtgccgctCCCCCTCCCCAGTCGGGCCTtgctttCCCC CTCCCCAGTCGGGCCTtgatctCCCCCTCCCCAGTCGGGCCTtacgctCCCCCTCCC CAGTCGGGCCT
7749	DNA; Synthetic Construct	AGGCCCGACTGGGGAGGGGGtgccgctAGGCCCGACTGGGGAGGGGGtgctttAGGC CCGACTGGGGAGGGGGtgatctAGGCCCGACTGGGGAGGGGGtacgctAGGCCCGAC TGGGGAGGGGG
7750	DNA; Synthetic Construct	CCCCCTCCCCAGTCCAGCCCtgccgctCCCCCTCCCCAGTCCAGCCCtgctttCCCC CTCCCCAGTCCAGCCCtgatctCCCCCTCCCCAGTCCAGCCCtacgctCCCCCTCCC CAGTCCAGCCC
7751	DNA; Synthetic Construct	GGGCTGGACTGGGGAGGGGGtgccgctGGGCTGGACTGGGGAGGGGGtgctttGGGC TGGACTGGGGAGGGGGtgatctGGGCTGGACTGGGGAGGGGGtacgctGGGCTGGAC TGGGGAGGGGG
7752	DNA; Synthetic Construct	CCCCCTCCCCAGTCCAGCCTtgccgctCCCCCTCCCCAGTCCAGCCTtgctttCCCC CTCCCCAGTCCAGCCTtgatctCCCCCTCCCCAGTCCAGCCTtacgctCCCCCTCCC CAGTCCAGCCT
7753	DNA; Synthetic Construct	AGGCTGGACTGGGGAGGGGGtgccgctAGGCTGGACTGGGGAGGGGGtgctttAGGC TGGACTGGGGAGGGGGtgatctAGGCTGGACTGGGGAGGGGGtacgctAGGCTGGAC TGGGGAGGGGG
7754	DNA; Synthetic Construct	CCCCCTCCCCAGTCCGGCCCtgccgctCCCCCTCCCCAGTCCGGCCCtgctttCCCC CTCCCCAGTCCGGCCCtgatctCCCCCTCCCCAGTCCGGCCCtacgctCCCCCTCCC CAGTCCGGCCC
7755	DNA; Synthetic Construct	GGGCCGGACTGGGGAGGGGGtgccgctGGGCCGGACTGGGGAGGGGGtgctttGGGC CGGACTGGGGAGGGGGtgatctGGGCCGGACTGGGGAGGGGGtacgctGGGCCGGAC TGGGGAGGGGG
7756	DNA; Synthetic Construct	CCCCCTCCCCAGTCCGGCCTtgccgctCCCCCTCCCCAGTCCGGCCTtgctttCCCC CTCCCCAGTCCGGCCTtgatctCCCCCTCCCCAGTCCGGCCTtacgctCCCCCTCCC CAGTCCGGCCT
7757	DNA; Synthetic Construct	AGGCCGGACTGGGGAGGGGGtgccgctAGGCCGGACTGGGGAGGGGGtgctttAGGC CGGACTGGGGAGGGGGtgatctAGGCCGGACTGGGGAGGGGGtacgctAGGCCGGAC TGGGGAGGGGG
7758	DNA; Synthetic Construct	CCCCCTCCCCACTCGAGCCCtgccgctCCCCCTCCCCACTCGAGCCCtgctttCCCC CTCCCCACTCGAGCCCtgatctCCCCCTCCCCACTCGAGCCCtacgctCCCCCTCCC CACTCGAGCCC
7759	DNA; Synthetic Construct	GGGCTCGAGTGGGGAGGGGGtgccgctGGGCTCGAGTGGGGAGGGGGtgctttGGGC TCGAGTGGGGAGGGGGtgatctGGGCTCGAGTGGGGAGGGGGtacgctGGGCTCGAG TGGGGAGGGGG
7760	DNA; Synthetic Construct	CCCCCTCCCCACTCGAGCCTtgccgctCCCCCTCCCCACTCGAGCCTtgctttCCCC CTCCCCACTCGAGCCTtgatctCCCCCTCCCCACTCGAGCCTtacgctCCCCCTCCC CACTCGAGCCT
7761	DNA; Synthetic Construct	AGGCTCGAGTGGGGAGGGGGtgccgctAGGCTCGAGTGGGGAGGGGGtgctttAGGC TCGAGTGGGGAGGGGGtgatctAGGCTCGAGTGGGGAGGGGGtacgctAGGCTCGAG TGGGGAGGGGG
7762	DNA; Synthetic Construct	CCCCCTCCCCACTCGGGCCCtgccgctCCCCCTCCCCACTCGGGCCCtgctttCCCC CTCCCCACTCGGGCCCtgatctCCCCCTCCCCACTCGGGCCCtacgctCCCCCTCCC CACTCGGGCCC
7763	DNA; Synthetic Construct	GGGCCCGAGTGGGGAGGGGGtgccgctGGGCCCGAGTGGGGAGGGGGtgctttGGGC CCGAGTGGGGAGGGGGtgatctGGGCCCGAGTGGGGAGGGGGtacgctGGGCCCGAG TGGGGAGGGGG
7764	DNA; Synthetic Construct	CCCCCTCCCCACTCGGGCCTtgccgctCCCCCTCCCCACTCGGGCCTtgctttCCCC CTCCCCACTCGGGCCTtgatctCCCCCTCCCCACTCGGGCCTtacgctCCCCCTCCC CACTCGGGCCT
7765	DNA; Synthetic Construct	AGGCCCGAGTGGGGAGGGGGtgccgctAGGCCCGAGTGGGGAGGGGGtgctttAGGC CCGAGTGGGGAGGGGGtgatctAGGCCCGAGTGGGGAGGGGGtacgctAGGCCCGAG TGGGGAGGGGG

7766	DNA; Synthetic Construct	CCCCCTCCCCACTCCAGCCCtgccgctCCCCCTCCCCACTCCAGCCCtgctttCCCC CTCCCCACTCCAGCCCtgatctCCCCCTCCCCACTCCAGCCCtacgctCCCCCTCCC CACTCCAGCCC
7767	DNA; Synthetic Construct	GGGCTGGAGTGGGGAGGGGGtgccgctGGGCTGGAGTGGGGAGGGGGtgctttGGGC TGGAGTGGGGAGGGGGtgatctGGGCTGGAGTGGGGAGGGGGtacgctGGGCTGGAG TGGGGAGGGGG
7768	DNA; Synthetic Construct	CCCCCTCCCCACTCCAGCCTtgccgctCCCCCTCCCCACTCCAGCCTtgctttCCCC CTCCCCACTCCAGCCTtgatctCCCCCTCCCCACTCCAGCCTtacgctCCCCCTCCC CACTCCAGCCT
7769	DNA; Synthetic Construct	AGGCTGGAGTGGGGAGGGGGtgccgctAGGCTGGAGTGGGGAGGGGGtgctttAGGC TGGAGTGGGGAGGGGGtgatctAGGCTGGAGTGGGGAGGGGGtacgctAGGCTGGAG TGGGGAGGGGG
7770	DNA; Synthetic Construct	CCCCCTCCCCACTCCGGCCCtgccgctCCCCCTCCCCACTCCGGCCCtgctttCCCC CTCCCCACTCCGGCCCtgatctCCCCCTCCCCACTCCGGCCCtacgctCCCCCTCCC CACTCCGGCCC
7771	DNA; Synthetic Construct	GGGCCGGAGTGGGGAGGGGGtgccgctGGGCCGGAGTGGGGAGGGGGtgctttGGGC CGGAGTGGGGAGGGGGtgatctGGGCCGGAGTGGGGAGGGGGtacgctGGGCCGGAG TGGGGAGGGGG
7772	DNA; Synthetic Construct	CCCCCTCCCCACTCCGGCCTtgccgctCCCCCTCCCCACTCCGGCCTtgctttCCCC CTCCCCACTCCGGCCTtgatctCCCCCTCCCCACTCCGGCCTtacgctCCCCCTCCC CACTCCGGCCT
7773	DNA; Synthetic Construct	AGGCCGGAGTGGGGAGGGGGtgccgctAGGCCGGAGTGGGGAGGGGGtgctttAGGC CGGAGTGGGGAGGGGGtgatctAGGCCGGAGTGGGGAGGGGGtacgctAGGCCGGAG TGGGGAGGGGG
7774	DNA; Synthetic Construct	CCCCCTCCCCGGTCGAGCCCtgccgctCCCCCTCCCCGGTCGAGCCCtgctttCCCC CTCCCCGGTCGAGCCCtgatctCCCCCTCCCCGGTCGAGCCCtacgctCCCCCTCCC CGGTCGAGCCC
7775	DNA; Synthetic Construct	GGGCTCGACCGGGGAGGGGGtgccgctGGGCTCGACCGGGGAGGGGGtgctttGGGC TCGACCGGGGAGGGGGtgatctGGGCTCGACCGGGGAGGGGGtacgctGGGCTCGAC CGGGGAGGGGG
7776	DNA; Synthetic Construct	CCCCCTCCCCGGTCGAGCCTtgccgctCCCCCTCCCCGGTCGAGCCTtgctttCCCC CTCCCCGGTCGAGCCTtgatctCCCCCTCCCCGGTCGAGCCTtacgctCCCCCTCCC CGGTCGAGCCT
7777	DNA; Synthetic Construct	AGGCTCGACCGGGGAGGGGGtgccgctAGGCTCGACCGGGGAGGGGGtgctttAGGC TCGACCGGGGAGGGGGtgatctAGGCTCGACCGGGGAGGGGGtacgctAGGCTCGAC CGGGGAGGGGG
7778	DNA; Synthetic Construct	CCCCCTCCCCGGTCGGGCCCtgccgctCCCCCTCCCCGGTCGGGCCCtgctttCCCC CTCCCCGGTCGGGCCCtgatctCCCCCTCCCCGGTCGGGCCCtacgctCCCCCTCCC CGGTCGGGCCC
7779	DNA; Synthetic Construct	GGGCCCGACCGGGGAGGGGGtgccgctGGGCCCGACCGGGGAGGGGGtgctttGGGC CCGACCGGGGAGGGGGtgatctGGGCCCGACCGGGGAGGGGGtacgctGGGCCCGAC CGGGGAGGGGG
7780	DNA; Synthetic Construct	CCCCCTCCCCGGTCGGGCCTtgccgctCCCCCTCCCCGGTCGGGCCTtgctttCCCC CTCCCCGGTCGGGCCTtgatctCCCCCTCCCCGGTCGGGCCTtacgctCCCCCTCCC CGGTCGGGCCT
7781	DNA; Synthetic Construct	AGGCCCGACCGGGGAGGGGGtgccgctAGGCCCGACCGGGGAGGGGGtgctttAGGC CCGACCGGGGAGGGGGtgatctAGGCCCGACCGGGGAGGGGGtacgctAGGCCCGAC CGGGGAGGGGG
7782	DNA; Synthetic Construct	CCCCCTCCCCGGTCCAGCCCtgccgctCCCCCTCCCCGGTCCAGCCCtgctttCCCC CTCCCCGGTCCAGCCCtgatctCCCCCTCCCCGGTCCAGCCCtacgctCCCCCTCCC CGGTCCAGCCC
7783	DNA; Synthetic Construct	GGGCTGGACCGGGGAGGGGGtgccgctGGGCTGGACCGGGGAGGGGGtgctttGGGC TGGACCGGGGAGGGGGtgatctGGGCTGGACCGGGGAGGGGGtacgctGGGCTGGAC CGGGGAGGGGG

7784	DNA; Synthetic Construct	CCCCCTCCCCGGTCCAGCCTtgccgctCCCCCTCCCCGGTCCAGCCTtgctttCCCC CTCCCCGGTCCAGCCTtgatctCCCCCTCCCCGGTCCAGCCTtacgctCCCCCTCCC CGGTCCAGCCT
7785	DNA; Synthetic Construct	AGGCTGGACCGGGGAGGGGGtgccgctAGGCTGGACCGGGGAGGGGGtgctttAGGC TGGACCGGGGAGGGGGtgatctAGGCTGGACCGGGGAGGGGGtacgctAGGCTGGAC CGGGGAGGGGG
7786	DNA; Synthetic Construct	CCCCCTCCCCGGTCCGGCCCtgccgctCCCCCTCCCCGGTCCGGCCCtgctttCCCC CTCCCCGGTCCGGCCCtgatctCCCCCTCCCCGGTCCGGCCCtacgctCCCCCTCCC CGGTCCGGCCC
7787	DNA; Synthetic Construct	GGGCCGGACCGGGGAGGGGGtgccgctGGGCCGGACCGGGGAGGGGGtgctttGGGC CGGACCGGGGAGGGGGtgatctGGGCCGGACCGGGGAGGGGGtacgctGGGCCGGAC CGGGGAGGGGG
7788	DNA; Synthetic Construct	CCCCCTCCCCGGTCCGGCCTtgccgctCCCCCTCCCCGGTCCGGCCTtgctttCCCC CTCCCCGGTCCGGCCTtgatctCCCCCTCCCCGGTCCGGCCTtacgctCCCCCTCCC CGGTCCGGCCT
7789	DNA; Synthetic Construct	AGGCCGGACCGGGGAGGGGGtgccgctAGGCCGGACCGGGGAGGGGGtgctttAGGC CGGACCGGGGAGGGGGtgatctAGGCCGGACCGGGGAGGGGGtacgctAGGCCGGAC CGGGGAGGGGG
7790	DNA; Synthetic Construct	CCCCCTCCCCGCTCGAGCCCtgccgctCCCCCTCCCCGCTCGAGCCCtgctttCCCC CTCCCCGCTCGAGCCCtgatctCCCCCTCCCCGCTCGAGCCCtacgctCCCCCTCCC CGCTCGAGCCC
7791	DNA; Synthetic Construct	GGGCTCGAGCGGGGAGGGGGtgccgctGGGCTCGAGCGGGGAGGGGGtgctttGGGC TCGAGCGGGGAGGGGGtgatctGGGCTCGAGCGGGGAGGGGGtacgctGGGCTCGAG CGGGGAGGGGG
7792	DNA; Synthetic Construct	CCCCCTCCCCGCTCGAGCCTtgccgctCCCCCTCCCCGCTCGAGCCTtgctttCCCC CTCCCCGCTCGAGCCTtgatctCCCCCTCCCCGCTCGAGCCTtacgctCCCCCTCCC CGCTCGAGCCT
7793	DNA; Synthetic Construct	AGGCTCGAGCGGGGAGGGGGtgccgctAGGCTCGAGCGGGGAGGGGGtgctttAGGC TCGAGCGGGGAGGGGGtgatctAGGCTCGAGCGGGGAGGGGGtacgctAGGCTCGAG CGGGGAGGGGG
7794	DNA; Synthetic Construct	CCCCCTCCCCGCTCGGGCCCtgccgctCCCCCTCCCCGCTCGGGCCCtgctttCCCC CTCCCCGCTCGGGCCCtgatctCCCCCTCCCCGCTCGGGCCCtacgctCCCCCTCCC CGCTCGGGCCC
7795	DNA; Synthetic Construct	GGGCCCGAGCGGGGAGGGGGtgccgctGGGCCCGAGCGGGGAGGGGGtgctttGGGC CCGAGCGGGGAGGGGGtgatctGGGCCCGAGCGGGGAGGGGGtacgctGGGCCCGAG CGGGGAGGGGG
7796	DNA; Synthetic Construct	CCCCCTCCCCGCTCGGGCCTtgccgctCCCCCTCCCCGCTCGGGCCTtgctttCCCC CTCCCCGCTCGGGCCTtgatctCCCCCTCCCCGCTCGGGCCTtacgctCCCCCTCCC CGCTCGGGCCT
7797	DNA; Synthetic Construct	AGGCCCGAGCGGGGAGGGGGtgccgctAGGCCCGAGCGGGGAGGGGGtgctttAGGC CCGAGCGGGGAGGGGGtgatctAGGCCCGAGCGGGGAGGGGGtacgctAGGCCCGAG CGGGGAGGGGG
7798	DNA; Synthetic Construct	CCCCCTCCCCGCTCCAGCCCtgccgctCCCCCTCCCCGCTCCAGCCCtgctttCCCC CTCCCCGCTCCAGCCCtgatctCCCCCTCCCCGCTCCAGCCCtacgctCCCCCTCCC CGCTCCAGCCC
7799	DNA; Synthetic Construct	GGGCTGGAGCGGGGAGGGGGtgccgctGGGCTGGAGCGGGGAGGGGGtgctttGGGC TGGAGCGGGGAGGGGGtgatctGGGCTGGAGCGGGGAGGGGGtacgctGGGCTGGAG CGGGGAGGGGG
7800	DNA; Synthetic Construct	CCCCCTCCCCGCTCCAGCCTtgccgctCCCCCTCCCCGCTCCAGCCTtgctttCCCC CTCCCCGCTCCAGCCTtgatctCCCCCTCCCCGCTCCAGCCTtacgctCCCCCTCCC CGCTCCAGCCT
7801	DNA; Synthetic Construct	AGGCTGGAGCGGGGAGGGGGtgccgctAGGCTGGAGCGGGGAGGGGGtgctttAGGC TGGAGCGGGGAGGGGGtgatctAGGCTGGAGCGGGGAGGGGGtacgctAGGCTGGAG CGGGGAGGGGG

7802	DNA; Synthetic Construct	CCCCCTCCCCGCTCCGGCCCtgccgctCCCCCTCCCCGCTCCGGCCCtgctttCCCC CTCCCCGCTCCGGCCCtgatctCCCCCTCCCCGCTCCGGCCCtacgctCCCCCTCCC CGCTCCGGCCC
7803	DNA; Synthetic Construct	GGGCCGGAGCGGGGAGGGGGtgccgctGGGCCGGAGCGGGGAGGGGGtgctttGGGC CGGAGCGGGGAGGGGGtgatctGGGCCGGAGCGGGGAGGGGGtacgctGGGCCGGAG CGGGGAGGGGG
7804	DNA; Synthetic Construct	CCCCCTCCCCGCTCCGGCCTtgccgctCCCCCTCCCCGCTCCGGCCTtgctttCCCC CTCCCCGCTCCGGCCTtgatctCCCCCTCCCCGCTCCGGCCTtacgctCCCCCTCCC CGCTCCGGCCT
7805	DNA; Synthetic Construct	AGGCCGGAGCGGGGAGGGGGtgccgctAGGCCGGAGCGGGGAGGGGGtgctttAGGC CGGAGCGGGGAGGGGGtgatctAGGCCGGAGCGGGGAGGGGGtacgctAGGCCGGAG CGGGGAGGGGG
7806	DNA; Synthetic Construct	AACATATGGCtgccgctAACATATGGCtgctttAACATATGGCtgatctAACATATG GCtacgctAACATATGGCtgccgctAACATATGGCtgctttAACATATGGCtgatct AACATATGGCtacgctAACATATGGC
7807	DNA; Synthetic Construct	GCCATATGTTtgccgctGCCATATGTTtgctttGCCATATGTTtgatctGCCATATG TTtacgctGCCATATGTTtgccgctGCCATATGTTtgctttGCCATATGTTtgatct GCCATATGTTtacgctGCCATATGTT
7808	DNA; Synthetic Construct	AACATATGGTtgccgctAACATATGGTtgctttAACATATGGTtgatctAACATATG GTtacgctAACATATGGTtgccgctAACATATGGTtgctttAACATATGGTtgatct AACATATGGTtacgctAACATATGGT
7809	DNA; Synthetic Construct	ACCATATGTTtgccgctACCATATGTTtgctttACCATATGTTtgatctACCATATG TTtacgctACCATATGTTtgccgctACCATATGTTtgctttACCATATGTTtgatct ACCATATGTTtacgctACCATATGTT
7810	DNA; Synthetic Construct	ACCATATGGCtgccgctACCATATGGCtgctttACCATATGGCtgatctACCATATG GCtacgctACCATATGGCtgccgctACCATATGGCtgctttACCATATGGCtgatct ACCATATGGCtacgctACCATATGGC
7811	DNA; Synthetic Construct	GCCATATGGTtgccgctGCCATATGGTtgctttGCCATATGGTtgatctGCCATATG GTtacgctGCCATATGGTtgccgctGCCATATGGTtgctttGCCATATGGTtgatct GCCATATGGTtacgctGCCATATGGT
7812	DNA; Synthetic Construct	ACCATATGGTtgccgctACCATATGGTtgctttACCATATGGTtgatctACCATATG GTtacgctACCATATGGTtgccgctACCATATGGTtgctttACCATATGGTtgatct ACCATATGGTtacgctACCATATGGT
7813	DNA; Synthetic Construct	ACCATATGGTtgccgctACCATATGGTtgctttACCATATGGTtgatctACCATATG GTtacgctACCATATGGTtgccgctACCATATGGTtgctttACCATATGGTtgatct ACCATATGGTtacgctACCATATGGT
7814	DNA; Synthetic Construct	CCACACCCACtgccgctCCACACCCACtgctttCCACACCCACtgatctCCACACCC ACtacgctCCACACCCACtgccgctCCACACCCACtgctttCCACACCCACtgatct CCACACCCACtacgctCCACACCCAC
7815	DNA; Synthetic Construct	GTGGGTGTGGtgccgctGTGGGTGTGGtgctttGTGGGTGTGGtgatctGTGGGTGT GGtacgctGTGGGTGTGGtgccgctGTGGGTGTGGtgctttGTGGGTGTGGtgatct GTGGGTGTGGtacgctGTGGGTGTGG
7816	DNA; Synthetic Construct	CTTAATCTACATTTAACACtacgctCTTAATCTACATTTAACACtgccgctCTTAAT CTACATTTAACACtgctttCTTAATCTACATTTAACACtgatctCTTAATCTACATT TAACACtacgctCTTAATCTACATTTAACAC
7817	DNA; Synthetic Construct	GTGTTAAATGTAGATTAAGtacgctGTGTTAAATGTAGATTAAGtgccgctGTGTTA AATGTAGATTAAGtgctttGTGTTAAATGTAGATTAAGtgatctGTGTTAAATGTAG ATTAAGtacgctGTGTTAAATGTAGATTAAG
7818	DNA; Synthetic Construct	CTTAATCTACATTTAACATtacgctCTTAATCTACATTTAACATtgccgctCTTAAT CTACATTTAACATtgctttCTTAATCTACATTTAACATtgatctCTTAATCTACATT TAACATtacgctCTTAATCTACATTTAACAT
7819	DNA; Synthetic Construct	ATGTTAAATGTAGATTAAGtacgctATGTTAAATGTAGATTAAGtgccgctATGTTA AATGTAGATTAAGtgctttATGTTAAATGTAGATTAAGtgatctATGTTAAATGTAG ATTAAGtacgctATGTTAAATGTAGATTAAG

7820	DNA; Synthetic Construct	CTTAATCTACGTTTAACACtacgctCTTAATCTACGTTTAACACtgccgctCTTAAT CTACGTTTAACACtgctttCTTAATCTACGTTTAACACtgatctCTTAATCTACGTT TAACACtacgctCTTAATCTACGTTTAACAC
7821	DNA; Synthetic Construct	GTGTTAAACGTAGATTAAGtacgctGTGTTAAACGTAGATTAAGtgccgctGTGTTA AACGTAGATTAAGtgctttGTGTTAAACGTAGATTAAGtgatctGTGTTAAACGTAG ATTAAGtacgctGTGTTAAACGTAGATTAAG
7822	DNA; Synthetic Construct	CTTAATCTACGTTTAACATtacgctCTTAATCTACGTTTAACATtgccgctCTTAAT CTACGTTTAACATtgctttCTTAATCTACGTTTAACATtgatctCTTAATCTACGTT TAACATtacgctCTTAATCTACGTTTAACAT
7823	DNA; Synthetic Construct	ATGTTAAACGTAGATTAAGtacgctATGTTAAACGTAGATTAAGtgccgctATGTTA AACGTAGATTAAGtgctttATGTTAAACGTAGATTAAGtgatctATGTTAAACGTAG ATTAAGtacgctATGTTAAACGTAGATTAAG
7824	DNA; Synthetic Construct	ATCACGTGACtgccgctATCACGTGACtgctttATCACGTGACtgatctATCACGTG ACtacgctATCACGTGACtgccgctATCACGTGACtgctttATCACGTGACtgatct ATCACGTGACtacgctATCACGTGAC
7825	DNA; Synthetic Construct	GTCACGTGATtgccgctGTCACGTGATtgctttGTCACGTGATtgatctGTCACGTG ATtacgctGTCACGTGATtgccgctGTCACGTGATtgctttGTCACGTGATtgatct GTCACGTGATtacgctGTCACGTGAT
7826	DNA; Synthetic Construct	ATCACGTGATtgccgctATCACGTGATtgctttATCACGTGATtgatctATCACGTG ATtacgctATCACGTGATtgccgctATCACGTGATtgctttATCACGTGATtgatct ATCACGTGATtacgctATCACGTGAT
7827	DNA; Synthetic Construct	ATCACGTGATtgccgctATCACGTGATtgctttATCACGTGATtgatctATCACGTG ATtacgctATCACGTGATtgccgctATCACGTGATtgctttATCACGTGATtgatct ATCACGTGATtacgctATCACGTGAT
7828	DNA; Synthetic Construct	GTCACGTGACtgccgctGTCACGTGACtgctttGTCACGTGACtgatctGTCACGTG ACtacgctGTCACGTGACtgccgctGTCACGTGACtgctttGTCACGTGACtgatct GTCACGTGACtacgctGTCACGTGAC
7829	DNA; Synthetic Construct	GTCACGTGACtgccgctGTCACGTGACtgctttGTCACGTGACtgatctGTCACGTG ACtacgctGTCACGTGACtgccgctGTCACGTGACtgctttGTCACGTGACtgatct GTCACGTGACtacgctGTCACGTGAC
7830	DNA; Synthetic Construct	GTCACGTGATtgccgctGTCACGTGATtgctttGTCACGTGATtgatctGTCACGTG ATtacgctGTCACGTGATtgccgctGTCACGTGATtgctttGTCACGTGATtgatct GTCACGTGATtacgctGTCACGTGAT
7831	DNA; Synthetic Construct	ATCACGTGACtgccgctATCACGTGACtgctttATCACGTGACtgatctATCACGTG ACtacgctATCACGTGACtgccgctATCACGTGACtgctttATCACGTGACtgatct ATCACGTGACtacgctATCACGTGAC
7832	DNA; Synthetic Construct	CACCCCCTCCCtgccgctCACCCCCTCCCtgctttCACCCCCTCCCtgatctCACCC CCTCCCtacgctCACCCCCTCCCtgccgctCACCCCCTCCCtgctttCACCCCCTCC CtgatctCACCCCCTCCCtacgctCACCCCCTCCC
7833	DNA; Synthetic Construct	GGGAGGGGGTGtgccgctGGGAGGGGGTGtgctttGGGAGGGGGTGtgatctGGGAG GGGGTGtacgctGGGAGGGGGTGtgccgctGGGAGGGGGTGtgctttGGGAGGGGGT GtgatctGGGAGGGGGTGtacgctGGGAGGGGGTG
7834	DNA; Synthetic Construct	CGCCCCCTCCCtgccgctCGCCCCCTCCCtgctttCGCCCCCTCCCtgatctCGCCC CCTCCCtacgctCGCCCCCTCCCtgccgctCGCCCCCTCCCtgctttCGCCCCCTCC CtgatctCGCCCCCTCCCtacgctCGCCCCCTCCC
7835	DNA; Synthetic Construct	GGGAGGGGGCGtgccgctGGGAGGGGGCGtgctttGGGAGGGGGCGtgatctGGGAG GGGGCGtacgctGGGAGGGGGCGtgccgctGGGAGGGGGCGtgctttGGGAGGGGGC GtgatctGGGAGGGGGCGtacgctGGGAGGGGGCG
7836	DNA; Synthetic Construct	ACAGTCCACCCCTTtgatctACAGTCCACCCCTTtacgctACAGTCCACCCCTTtgc cgctACAGTCCACCCCTTtgctttACAGTCCACCCCTTtgatctACAGTCCACCCCT TtacgctACAGTCCACCCCTT
7837	DNA; Synthetic Construct	AAGGGGTGGACTGTtgatctAAGGGGTGGACTGTtacgctAAGGGGTGGACTGTtgc cgctAAGGGGTGGACTGTtgctttAAGGGGTGGACTGTtgatctAAGGGGTGGACTG TtacgctAAGGGGTGGACTGT

7838	DNA; Synthetic Construct	ACCGGAAGTtacgctACCGGAAGTtgccgctACCGGAAGTtgctttACCGGAAGTtg atctACCGGAAGTtacgctACCGGAAGTtgccgctACCGGAAGTtgctttACCGGAA GTtgatctACCGGAAGTtacgctACCGGAAGT
7839	DNA; Synthetic Construct	ACTTCCGGTtacgctACTTCCGGTtgccgctACTTCCGGTtgctttACTTCCGGTtg atctACTTCCGGTtacgctACTTCCGGTtgccgctACTTCCGGTtgctttACTTCCG GTtgatctACTTCCGGTtacgctACTTCCGGT
7840	DNA; Synthetic Construct	AACAGCTGCtacgctAACAGCTGCtgccgctAACAGCTGCtgctttAACAGCTGCtg atctAACAGCTGCtacgctAACAGCTGCtgccgctAACAGCTGCtgctttAACAGCT GCtgatctAACAGCTGCtacgctAACAGCTGC
7841	DNA; Synthetic Construct	GCAGCTGTTtacgctGCAGCTGTTtgccgctGCAGCTGTTtgctttGCAGCTGTTtg atctGCAGCTGTTtacgctGCAGCTGTTtgccgctGCAGCTGTTtgctttGCAGCTG TTtgatctGCAGCTGTTtacgctGCAGCTGTT
7842	DNA; Synthetic Construct	AACAGCTGGtacgctAACAGCTGGtgccgctAACAGCTGGtgctttAACAGCTGGtg atctAACAGCTGGtacgctAACAGCTGGtgccgctAACAGCTGGtgctttAACAGCT GGtgatctAACAGCTGGtacgctAACAGCTGG
7843	DNA; Synthetic Construct	CCAGCTGTTtacgctCCAGCTGTTtgccgctCCAGCTGTTtgctttCCAGCTGTTtg atctCCAGCTGTTtacgctCCAGCTGTTtgccgctCCAGCTGTTtgctttCCAGCTG TTtgatctCCAGCTGTTtacgctCCAGCTGTT
7844	DNA; Synthetic Construct	AACAGCTGTtacgctAACAGCTGTtgccgctAACAGCTGTtgctttAACAGCTGTtg atctAACAGCTGTtacgctAACAGCTGTtgccgctAACAGCTGTtgctttAACAGCT GTtgatctAACAGCTGTtacgctAACAGCTGT
7845	DNA; Synthetic Construct	ACAGCTGTTtacgctACAGCTGTTtgccgctACAGCTGTTtgctttACAGCTGTTtg atctACAGCTGTTtacgctACAGCTGTTtgccgctACAGCTGTTtgctttACAGCTG TTtgatctACAGCTGTTtacgctACAGCTGTT
7846	DNA; Synthetic Construct	ACCAGCTGCtacgctACCAGCTGCtgccgctACCAGCTGCtgctttACCAGCTGCtg atctACCAGCTGCtacgctACCAGCTGCtgccgctACCAGCTGCtgctttACCAGCT GCtgatctACCAGCTGCtacgctACCAGCTGC
7847	DNA; Synthetic Construct	GCAGCTGGTtacgctGCAGCTGGTtgccgctGCAGCTGGTtgctttGCAGCTGGTtg atctGCAGCTGGTtacgctGCAGCTGGTtgccgctGCAGCTGGTtgctttGCAGCTG GTtgatctGCAGCTGGTtacgctGCAGCTGGT
7848	DNA; Synthetic Construct	ACCAGCTGGtacgctACCAGCTGGtgccgctACCAGCTGGtgctttACCAGCTGGtg atctACCAGCTGGtacgctACCAGCTGGtgccgctACCAGCTGGtgctttACCAGCT GGtgatctACCAGCTGGtacgctACCAGCTGG
7849	DNA; Synthetic Construct	CCAGCTGGTtacgctCCAGCTGGTtgccgctCCAGCTGGTtgctttCCAGCTGGTtg atctCCAGCTGGTtacgctCCAGCTGGTtgccgctCCAGCTGGTtgctttCCAGCTG GTtgatctCCAGCTGGTtacgctCCAGCTGGT
7850	DNA; Synthetic Construct	ACCAGCTGTtacgctACCAGCTGTtgccgctACCAGCTGTtgctttACCAGCTGTtg atctACCAGCTGTtacgctACCAGCTGTtgccgctACCAGCTGTtgctttACCAGCT GTtgatctACCAGCTGTtacgctACCAGCTGT
7851	DNA; Synthetic Construct	ACAGCTGGTtacgctACAGCTGGTtgccgctACAGCTGGTtgctttACAGCTGGTtg atctACAGCTGGTtacgctACAGCTGGTtgccgctACAGCTGGTtgctttACAGCTG GTtgatctACAGCTGGTtacgctACAGCTGGT
7852	DNA; Synthetic Construct	AGCAGCTGCtacgctAGCAGCTGCtgccgctAGCAGCTGCtgctttAGCAGCTGCtg atctAGCAGCTGCtacgctAGCAGCTGCtgccgctAGCAGCTGCtgctttAGCAGCT GCtgatctAGCAGCTGCtacgctAGCAGCTGC
7853	DNA; Synthetic Construct	GCAGCTGCTtacgctGCAGCTGCTtgccgctGCAGCTGCTtgctttGCAGCTGCTtg atctGCAGCTGCTtacgctGCAGCTGCTtgccgctGCAGCTGCTtgctttGCAGCTG CTtgatctGCAGCTGCTtacgctGCAGCTGCT
7854	DNA; Synthetic Construct	AGCAGCTGGtacgctAGCAGCTGGtgccgctAGCAGCTGGtgctttAGCAGCTGGtg atctAGCAGCTGGtacgctAGCAGCTGGtgccgctAGCAGCTGGtgctttAGCAGCT GGtgatctAGCAGCTGGtacgctAGCAGCTGG
7855	DNA; Synthetic Construct	CCAGCTGCTtacgctCCAGCTGCTtgccgctCCAGCTGCTtgctttCCAGCTGCTtg atctCCAGCTGCTtacgctCCAGCTGCTtgccgctCCAGCTGCTtgctttCCAGCTG CTtgatctCCAGCTGCTtacgctCCAGCTGCT

7856	DNA; Synthetic Construct	AGCAGCTGTtacgctAGCAGCTGTtgccgctAGCAGCTGTtgctttAGCAGCTGTtg atctAGCAGCTGTtacgctAGCAGCTGTtgccgctAGCAGCTGTtgctttAGCAGCT GTtgatctAGCAGCTGTtacgctAGCAGCTGT
7857	DNA; Synthetic Construct	ACAGCTGCTtacgctACAGCTGCTtgccgctACAGCTGCTtgctttACAGCTGCTtg atctACAGCTGCTtacgctACAGCTGCTtgccgctACAGCTGCTtgctttACAGCTG CTtgatctACAGCTGCTtacgctACAGCTGCT
7858	DNA; Synthetic Construct	CACAGCTGCtacgctCACAGCTGCtgccgctCACAGCTGCtgctttCACAGCTGCtg atctCACAGCTGCtacgctCACAGCTGCtgccgctCACAGCTGCtgctttCACAGCT GCtgatctCACAGCTGCtacgctCACAGCTGC
7859	DNA; Synthetic Construct	GCAGCTGTGtacgctGCAGCTGTGtgccgctGCAGCTGTGtgctttGCAGCTGTGtg atctGCAGCTGTGtacgctGCAGCTGTGtgccgctGCAGCTGTGtgctttGCAGCTG TGtgatctGCAGCTGTGtacgctGCAGCTGTG
7860	DNA; Synthetic Construct	CACAGCTGGtacgctCACAGCTGGtgccgctCACAGCTGGtgctttCACAGCTGGtg atctCACAGCTGGtacgctCACAGCTGGtgccgctCACAGCTGGtgctttCACAGCT GGtgatctCACAGCTGGtacgctCACAGCTGG
7861	DNA; Synthetic Construct	CCAGCTGTGtacgctCCAGCTGTGtgccgctCCAGCTGTGtgctttCCAGCTGTGtg atctCCAGCTGTGtacgctCCAGCTGTGtgccgctCCAGCTGTGtgctttCCAGCTG TGtgatctCCAGCTGTGtacgctCCAGCTGTG
7862	DNA; Synthetic Construct	CACAGCTGTtacgctCACAGCTGTtgccgctCACAGCTGTtgctttCACAGCTGTtg atctCACAGCTGTtacgctCACAGCTGTtgccgctCACAGCTGTtgctttCACAGCT GTtgatctCACAGCTGTtacgctCACAGCTGT
7863	DNA; Synthetic Construct	ACAGCTGTGtacgctACAGCTGTGtgccgctACAGCTGTGtgctttACAGCTGTGtg atctACAGCTGTGtacgctACAGCTGTGtgccgctACAGCTGTGtgctttACAGCTG TGtgatctACAGCTGTGtacgctACAGCTGTG
7864	DNA; Synthetic Construct	CCCAGCTGCtacgctCCCAGCTGCtgccgctCCCAGCTGCtgctttCCCAGCTGCtg atctCCCAGCTGCtacgctCCCAGCTGCtgccgctCCCAGCTGCtgctttCCCAGCT GCtgatctCCCAGCTGCtacgctCCCAGCTGC
7865	DNA; Synthetic Construct	GCAGCTGGGtacgctGCAGCTGGGtgccgctGCAGCTGGGtgctttGCAGCTGGGtg atctGCAGCTGGGtacgctGCAGCTGGGtgccgctGCAGCTGGGtgctttGCAGCTG GGtgatctGCAGCTGGGtacgctGCAGCTGGG
7866	DNA; Synthetic Construct	CCCAGCTGGtacgctCCCAGCTGGtgccgctCCCAGCTGGtgctttCCCAGCTGGtg atctCCCAGCTGGtacgctCCCAGCTGGtgccgctCCCAGCTGGtgctttCCCAGCT GGtgatctCCCAGCTGGtacgctCCCAGCTGG
7867	DNA; Synthetic Construct	CCAGCTGGGtacgctCCAGCTGGGtgccgctCCAGCTGGGtgctttCCAGCTGGGtg atctCCAGCTGGGtacgctCCAGCTGGGtgccgctCCAGCTGGGtgctttCCAGCTG GGtgatctCCAGCTGGGtacgctCCAGCTGGG
7868	DNA; Synthetic Construct	CCCAGCTGTtacgctCCCAGCTGTtgccgctCCCAGCTGTtgctttCCCAGCTGTtg atctCCCAGCTGTtacgctCCCAGCTGTtgccgctCCCAGCTGTtgctttCCCAGCT GTtgatctCCCAGCTGTtacgctCCCAGCTGT
7869	DNA; Synthetic Construct	ACAGCTGGGtacgctACAGCTGGGtgccgctACAGCTGGGtgctttACAGCTGGGtg atctACAGCTGGGtacgctACAGCTGGGtgccgctACAGCTGGGtgctttACAGCTG GGtgatctACAGCTGGGtacgctACAGCTGGG
7870	DNA; Synthetic Construct	CGCAGCTGCtacgctCGCAGCTGCtgccgctCGCAGCTGCtgctttCGCAGCTGCtg atctCGCAGCTGCtacgctCGCAGCTGCtgccgctCGCAGCTGCtgctttCGCAGCT GCtgatctCGCAGCTGCtacgctCGCAGCTGC
7871	DNA; Synthetic Construct	GCAGCTGCGtacgctGCAGCTGCGtgccgctGCAGCTGCGtgctttGCAGCTGCGtg atctGCAGCTGCGtacgctGCAGCTGCGtgccgctGCAGCTGCGtgctttGCAGCTG CGtgatctGCAGCTGCGtacgctGCAGCTGCG
7872	DNA; Synthetic Construct	CGCAGCTGGtacgctCGCAGCTGGtgccgctCGCAGCTGGtgctttCGCAGCTGGtg atctCGCAGCTGGtacgctCGCAGCTGGtgccgctCGCAGCTGGtgctttCGCAGCT GGtgatctCGCAGCTGGtacgctCGCAGCTGG
7873	DNA; Synthetic Construct	CCAGCTGCGtacgctCCAGCTGCGtgccgctCCAGCTGCGtgctttCCAGCTGCGtg atctCCAGCTGCGtacgctCCAGCTGCGtgccgctCCAGCTGCGtgctttCCAGCTG CGtgatctCCAGCTGCGtacgctCCAGCTGCG

7874	DNA; Synthetic Construct	CGCAGCTGTtacgctCGCAGCTGTtgccgctCGCAGCTGTtgctttCGCAGCTGTtg atctCGCAGCTGTtacgctCGCAGCTGTtgccgctCGCAGCTGTtgctttCGCAGCT GTtgatctCGCAGCTGTtacgctCGCAGCTGT
7875	DNA; Synthetic Construct	ACAGCTGCGtacgctACAGCTGCGtgccgctACAGCTGCGtgctttACAGCTGCGtg atctACAGCTGCGtacgctACAGCTGCGtgccgctACAGCTGCGtgctttACAGCTG CGtgatctACAGCTGCGtacgctACAGCTGCG
7876	DNA; Synthetic Construct	GACAGCTGCtacgctGACAGCTGCtgccgctGACAGCTGCtgctttGACAGCTGCtg atctGACAGCTGCtacgctGACAGCTGCtgccgctGACAGCTGCtgctttGACAGCT GCtgatctGACAGCTGCtacgctGACAGCTGC
7877	DNA; Synthetic Construct	GCAGCTGTCtacgctGCAGCTGTCtgccgctGCAGCTGTCtgctttGCAGCTGTCtg atctGCAGCTGTCtacgctGCAGCTGTCtgccgctGCAGCTGTCtgctttGCAGCTG TCtgatctGCAGCTGTCtacgctGCAGCTGTC
7878	DNA; Synthetic Construct	GACAGCTGGtacgctGACAGCTGGtgccgctGACAGCTGGtgctttGACAGCTGGtg atctGACAGCTGGtacgctGACAGCTGGtgccgctGACAGCTGGtgctttGACAGCT GGtgatctGACAGCTGGtacgctGACAGCTGG
7879	DNA; Synthetic Construct	CCAGCTGTCtacgctCCAGCTGTCtgccgctCCAGCTGTCtgctttCCAGCTGTCtg atctCCAGCTGTCtacgctCCAGCTGTCtgccgctCCAGCTGTCtgctttCCAGCTG TCtgatctCCAGCTGTCtacgctCCAGCTGTC
7880	DNA; Synthetic Construct	GACAGCTGTtacgctGACAGCTGTtgccgctGACAGCTGTtgctttGACAGCTGTtg atctGACAGCTGTtacgctGACAGCTGTtgccgctGACAGCTGTtgctttGACAGCT GTtgatctGACAGCTGTtacgctGACAGCTGT
7881	DNA; Synthetic Construct	ACAGCTGTCtacgctACAGCTGTCtgccgctACAGCTGTCtgctttACAGCTGTCtg atctACAGCTGTCtacgctACAGCTGTCtgccgctACAGCTGTCtgctttACAGCTG TCtgatctACAGCTGTCtacgctACAGCTGTC
7882	DNA; Synthetic Construct	GCCAGCTGCtacgctGCCAGCTGCtgccgctGCCAGCTGCtgctttGCCAGCTGCtg atctGCCAGCTGCtacgctGCCAGCTGCtgccgctGCCAGCTGCtgctttGCCAGCT GCtgatctGCCAGCTGCtacgctGCCAGCTGC
7883	DNA; Synthetic Construct	GCAGCTGGCtacgctGCAGCTGGCtgccgctGCAGCTGGCtgctttGCAGCTGGCtg atctGCAGCTGGCtacgctGCAGCTGGCtgccgctGCAGCTGGCtgctttGCAGCTG GCtgatctGCAGCTGGCtacgctGCAGCTGGC
7884	DNA; Synthetic Construct	GCCAGCTGGtacgctGCCAGCTGGtgccgctGCCAGCTGGtgctttGCCAGCTGGtg atctGCCAGCTGGtacgctGCCAGCTGGtgccgctGCCAGCTGGtgctttGCCAGCT GGtgatctGCCAGCTGGtacgctGCCAGCTGG
7885	DNA; Synthetic Construct	CCAGCTGGCtacgctCCAGCTGGCtgccgctCCAGCTGGCtgctttCCAGCTGGCtg atctCCAGCTGGCtacgctCCAGCTGGCtgccgctCCAGCTGGCtgctttCCAGCTG GCtgatctCCAGCTGGCtacgctCCAGCTGGC
7886	DNA; Synthetic Construct	GCCAGCTGTtacgctGCCAGCTGTtgccgctGCCAGCTGTtgctttGCCAGCTGTtg atctGCCAGCTGTtacgctGCCAGCTGTtgccgctGCCAGCTGTtgctttGCCAGCT GTtgatctGCCAGCTGTtacgctGCCAGCTGT
7887	DNA; Synthetic Construct	ACAGCTGGCtacgctACAGCTGGCtgccgctACAGCTGGCtgctttACAGCTGGCtg atctACAGCTGGCtacgctACAGCTGGCtgccgctACAGCTGGCtgctttACAGCTG GCtgatctACAGCTGGCtacgctACAGCTGGC
7888	DNA; Synthetic Construct	GGCAGCTGCtacgctGGCAGCTGCtgccgctGGCAGCTGCtgctttGGCAGCTGCtg atctGGCAGCTGCtacgctGGCAGCTGCtgccgctGGCAGCTGCtgctttGGCAGCT GCtgatctGGCAGCTGCtacgctGGCAGCTGC
7889	DNA; Synthetic Construct	GCAGCTGCCtacgctGCAGCTGCCtgccgctGCAGCTGCCtgctttGCAGCTGCCtg atctGCAGCTGCCtacgctGCAGCTGCCtgccgctGCAGCTGCCtgctttGCAGCTG CCtgatctGCAGCTGCCtacgctGCAGCTGCC
7890	DNA; Synthetic Construct	GGCAGCTGGtacgctGGCAGCTGGtgccgctGGCAGCTGGtgctttGGCAGCTGGtg atctGGCAGCTGGtacgctGGCAGCTGGtgccgctGGCAGCTGGtgctttGGCAGCT GGtgatctGGCAGCTGGtacgctGGCAGCTGG
7891	DNA; Synthetic Construct	CCAGCTGCCtacgctCCAGCTGCCtgccgctCCAGCTGCCtgctttCCAGCTGCCtg atctCCAGCTGCCtacgctCCAGCTGCCtgccgctCCAGCTGCCtgctttCCAGCTG CCtgatctCCAGCTGCCtacgctCCAGCTGCC

7892	DNA; Synthetic Construct	GGCAGCTGTtacgctGGCAGCTGTtgccgctGGCAGCTGTtgctttGGCAGCTGTtg atctGGCAGCTGTtacgctGGCAGCTGTtgccgctGGCAGCTGTtgctttGGCAGCT GTtgatctGGCAGCTGTtacgctGGCAGCTGT
7893	DNA; Synthetic Construct	ACAGCTGCCtacgctACAGCTGCCtgccgctACAGCTGCCtgctttACAGCTGCCtg atctACAGCTGCCtacgctACAGCTGCCtgccgctACAGCTGCCtgctttACAGCTG CCtgatctACAGCTGCCtacgctACAGCTGCC
7894	DNA; Synthetic Construct	ATCACGTGACtgccgctATCACGTGACtgctttATCACGTGACtgatctATCACGTG ACtacgctATCACGTGACtgccgctATCACGTGACtgctttATCACGTGACtgatct ATCACGTGACtacgctATCACGTGAC
7895	DNA; Synthetic Construct	GTCACGTGATtgccgctGTCACGTGATtgctttGTCACGTGATtgatctGTCACGTG ATtacgctGTCACGTGATtgccgctGTCACGTGATtgctttGTCACGTGATtgatct GTCACGTGATtacgctGTCACGTGAT
7896	DNA; Synthetic Construct	ATCACGTGATtgccgctATCACGTGATtgctttATCACGTGATtgatctATCACGTG ATtacgctATCACGTGATtgccgctATCACGTGATtgctttATCACGTGATtgatct ATCACGTGATtacgctATCACGTGAT
7897	DNA; Synthetic Construct	ATCACGTGATtgccgctATCACGTGATtgctttATCACGTGATtgatctATCACGTG ATtacgctATCACGTGATtgccgctATCACGTGATtgctttATCACGTGATtgatct ATCACGTGATtacgctATCACGTGAT
7898	DNA; Synthetic Construct	TAATTAtgctttTAATTAtgatctTAATTAtacgctTAATTAtgccgctTAATTAtg ctttTAATTAtgatctTAATTAtacgctTAATTAtgccgctTAATTAtgctttTAAT TAtgatctTAATTAtacgctTAATTA
7899	DNA; Synthetic Construct	TAATTAtgctttTAATTAtgatctTAATTAtacgctTAATTAtgccgctTAATTAtg ctttTAATTAtgatctTAATTAtacgctTAATTAtgccgctTAATTAtgctttTAAT TAtgatctTAATTAtacgctTAATTA
7900	DNA; Synthetic Construct	TAATTGtgctttTAATTGtgatctTAATTGtacgctTAATTGtgccgctTAATTGtg ctttTAATTGtgatctTAATTGtacgctTAATTGtgccgctTAATTGtgctttTAAT TGtgatctTAATTGtacgctTAATTG
7901	DNA; Synthetic Construct	CAATTAtgctttCAATTAtgatctCAATTAtacgctCAATTAtgccgctCAATTAtg ctttCAATTAtgatctCAATTAtacgctCAATTAtgccgctCAATTAtgctttCAAT TAtgatctCAATTAtacgctCAATTA
7902	DNA; Synthetic Construct	CACAGCAGGGGGtgctttCACAGCAGGGGGtgatctCACAGCAGGGGGtacgctCAC AGCAGGGGGtgccgctCACAGCAGGGGGtgctttCACAGCAGGGGGtgatctCACAG CAGGGGGtacgctCACAGCAGGGGG
7903	DNA; Synthetic Construct	CCCCCTGCTGTGtgctttCCCCCTGCTGTGtgatctCCCCCTGCTGTGtacgctCCC CCTGCTGTGtgccgctCCCCCTGCTGTGtgctttCCCCCTGCTGTGtgatctCCCCC TGCTGTGtacgctCCCCCTGCTGTG
7904	DNA; Synthetic Construct	AGTTGAGTGACTGCAGTTtacgctAGTTGAGTGACTGCAGTTtgccgctAGTTGAGT GACTGCAGTTtgctttAGTTGAGTGACTGCAGTTtgatctAGTTGAGTGACTGCAGT TtacgctAGTTGAGTGACTGCAGTT
7905	DNA; Synthetic Construct	AACTGCAGTCACTCAACTtacgctAACTGCAGTCACTCAACTtgccgctAACTGCAG TCACTCAACTtgctttAACTGCAGTCACTCAACTtgatctAACTGCAGTCACTCAAC TtacgctAACTGCAGTCACTCAACT
7906	DNA; Synthetic Construct	AGTTGAGTGACTGCGGTTtacgctAGTTGAGTGACTGCGGTTtgccgctAGTTGAGT GACTGCGGTTtgctttAGTTGAGTGACTGCGGTTtgatctAGTTGAGTGACTGCGGT TtacgctAGTTGAGTGACTGCGGTT
7907	DNA; Synthetic Construct	AACCGCAGTCACTCAACTtacgctAACCGCAGTCACTCAACTtgccgctAACCGCAG TCACTCAACTtgctttAACCGCAGTCACTCAACTtgatctAACCGCAGTCACTCAAC TtacgctAACCGCAGTCACTCAACT
7908	DNA; Synthetic Construct	AGTTGAGTGACTGTAGTTtacgctAGTTGAGTGACTGTAGTTtgccgctAGTTGAGT GACTGTAGTTtgctttAGTTGAGTGACTGTAGTTtgatctAGTTGAGTGACTGTAGT TtacgctAGTTGAGTGACTGTAGTT
7909	DNA; Synthetic Construct	AACTACAGTCACTCAACTtacgctAACTACAGTCACTCAACTtgccgctAACTACAG TCACTCAACTtgctttAACTACAGTCACTCAACTtgatctAACTACAGTCACTCAAC TtacgctAACTACAGTCACTCAACT

7910	DNA; Synthetic Construct	AGTTGAGTGACTGTGGTTtacgctAGTTGAGTGACTGTGGTTtgccgctAGTTGAGT GACTGTGGTTtgctttAGTTGAGTGACTGTGGTTtgatctAGTTGAGTGACTGTGGT TtacgctAGTTGAGTGACTGTGGTT
7911	DNA; Synthetic Construct	AACCACAGTCACTCAACTtacgctAACCACAGTCACTCAACTtgccgctAACCACAG TCACTCAACTtgctttAACCACAGTCACTCAACTtgatctAACCACAGTCACTCAAC TtacgctAACCACAGTCACTCAACT
7912	DNA; Synthetic Construct	CCCCCCCCCCACCTCCTCCCCtgccgctCCCCCCCCCCACCTCCTCCCCtgctttCC CCCCCCCCACCTCCTCCCCtgatctCCCCCCCCCCACCTCCTCCCCtacgctCCCCC CCCCCACCTCCTCCCC
7913	DNA; Synthetic Construct	GGGGAGGAGGTGGGGGGGGGGtgccgctGGGGAGGAGGTGGGGGGGGGGtgctttGG GGAGGAGGTGGGGGGGGGGtgatctGGGGAGGAGGTGGGGGGGGGGtacgctGGGGA GGAGGTGGGGGGGGGG
7914	DNA; Synthetic Construct	CCCCCCCCCCACCTCCTCCCTtgccgctCCCCCCCCCCACCTCCTCCCTtgctttCC CCCCCCCCACCTCCTCCCTtgatctCCCCCCCCCCACCTCCTCCCTtacgctCCCCC CCCCCACCTCCTCCCT
7915	DNA; Synthetic Construct	AGGGAGGAGGTGGGGGGGGGGtgccgctAGGGAGGAGGTGGGGGGGGGGtgctttAG GGAGGAGGTGGGGGGGGGGtgatctAGGGAGGAGGTGGGGGGGGGGtacgctAGGGA GGAGGTGGGGGGGGGG
7916	DNA; Synthetic Construct	CCCCCCCCCCACCTCCTCCTCtgccgctCCCCCCCCCCACCTCCTCCTCtgctttCC CCCCCCCCACCTCCTCCTCtgatctCCCCCCCCCCACCTCCTCCTCtacgctCCCCC CCCCCACCTCCTCCTC
7917	DNA; Synthetic Construct	GAGGAGGAGGTGGGGGGGGGGtgccgctGAGGAGGAGGTGGGGGGGGGGtgctttGA GGAGGAGGTGGGGGGGGGGtgatctGAGGAGGAGGTGGGGGGGGGGtacgctGAGGA GGAGGTGGGGGGGGGG
7918	DNA; Synthetic Construct	CCCCCCCCCCACCTCCTCCTTtgccgctCCCCCCCCCCACCTCCTCCTTtgctttCC CCCCCCCCACCTCCTCCTTtgatctCCCCCCCCCCACCTCCTCCTTtacgctCCCCC CCCCCACCTCCTCCTT
7919	DNA; Synthetic Construct	AAGGAGGAGGTGGGGGGGGGGtgccgctAAGGAGGAGGTGGGGGGGGGGtgctttAA GGAGGAGGTGGGGGGGGGGtgatctAAGGAGGAGGTGGGGGGGGGGtacgctAAGGA GGAGGTGGGGGGGGGG
7920	DNA; Synthetic Construct	CCCCCCCTCCACCTCCTCCCCtgccgctCCCCCCCCTCCACCTCCTCCCCtgctttCC CCCCCTCCACCTCCTCCCCtgatctCCCCCCCCTCCACCTCCTCCCCtacgctCCCCC CCTCCACCTCCTCCCC
7921	DNA; Synthetic Construct	GGGGAGGAGGTGGAGGGGGGGtgccgctGGGGAGGAGGTGGAGGGGGGGtgctttGG GGAGGAGGTGGAGGGGGGGtgatctGGGGAGGAGGTGGAGGGGGGGtacgctGGGGA GGAGGTGGAGGGGGGG
7922	DNA; Synthetic Construct	CCCCCCCTCCACCTCCTCCCTtgccgctCCCCCCCTCCACCTCCTCCCTtgctttCC CCCCCTCCACCTCCTCCCTtgatctCCCCCCCTCCACCTCCTCCCTtacgctCCCCC CCTCCACCTCCTCCCT
7923	DNA; Synthetic Construct	AGGGAGGAGGTGGAGGGGGGGtgccgctAGGGAGGAGGTGGAGGGGGGGtgctttAG GGAGGAGGTGGAGGGGGGGtgatctAGGGAGGAGGTGGAGGGGGGGtacgctAGGGA GGAGGTGGAGGGGGGG
7924	DNA; Synthetic Construct	CCCCCCCTCCACCTCCTCCTCtgccgctCCCCCCCTCCACCTCCTCCTCtgctttCC CCCCCTCCACCTCCTCCTCtgatctCCCCCCCTCCACCTCCTCCTCtacgctCCCCC CCTCCACCTCCTCCTC
7925	DNA; Synthetic Construct	GAGGAGGAGGTGGAGGGGGGGtgccgctGAGGAGGAGGTGGAGGGGGGGtgctttGA GGAGGAGGTGGAGGGGGGGtgatctGAGGAGGAGGTGGAGGGGGGGtacgctGAGGA GGAGGTGGAGGGGGGG
7926	DNA; Synthetic Construct	CCCCCCCTCCACCTCCTCCTTtgccgctCCCCCCCTCCACCTCCTCCTTtgctttCC CCCCCTCCACCTCCTCCTTtgatctCCCCCCCTCCACCTCCTCCTTtacgctCCCCC CCTCCACCTCCTCCTT
7927	DNA; Synthetic Construct	AAGGAGGAGGTGGAGGGGGGGtgccgctAAGGAGGAGGTGGAGGGGGGGtgctttAA GGAGGAGGTGGAGGGGGGGtgatctAAGGAGGAGGTGGAGGGGGGGtacgctAAGGA GGAGGTGGAGGGGGGG

7928	DNA; Synthetic Construct	CCCCTCCCCCACCTCCTCCCCtgccgctCCCCTCCCCCACCTCCTCCCCtgctttCC CCTCCCCCACCTCCTCCCCtgatctCCCCTCCCCCACCTCCTCCCCtacgctCCCCT CCCCCACCTCCTCCCC
7929	DNA; Synthetic Construct	GGGGAGGAGGTGGGGGAGGGGtgccgctGGGGAGGAGGTGGGGGAGGGGtgctttGG GGAGGAGGTGGGGGAGGGGtgatctGGGGAGGAGGTGGGGGAGGGGtacgctGGGGA GGAGGTGGGGGAGGGG
7930	DNA; Synthetic Construct	CCCCTCCCCCACCTCCTCCCTtgccgctCCCCTCCCCCACCTCCTCCCTtgctttCC CCTCCCCCACCTCCTCCCTtgatctCCCCTCCCCCACCTCCTCCCTtacgctCCCCT CCCCCACCTCCTCCCT
7931	DNA; Synthetic Construct	AGGGAGGAGGTGGGGGAGGGGtgccgctAGGGAGGAGGTGGGGGAGGGGtgctttAG GGAGGAGGTGGGGGAGGGGtgatctAGGGAGGAGGTGGGGGAGGGGtacgctAGGGA GGAGGTGGGGGAGGGG
7932	DNA; Synthetic Construct	CCCCTCCCCCACCTCCTCCTCtgccgctCCCCTCCCCCACCTCCTCCTCtgctttCC CCTCCCCCACCTCCTCCTCtgatctCCCCTCCCCCACCTCCTCCTCtacgctCCCCT CCCCCACCTCCTCCTC
7933	DNA; Synthetic Construct	GAGGAGGAGGTGGGGGAGGGGtgccgctGAGGAGGAGGTGGGGGAGGGGtgctttGA GGAGGAGGTGGGGGAGGGGtgatctGAGGAGGAGGTGGGGGAGGGGtacgctGAGGA GGAGGTGGGGGAGGGG
7934	DNA; Synthetic Construct	CCCCTCCCCCACCTCCTCCTTtgccgctCCCCTCCCCCACCTCCTCCTTtgctttCC CCTCCCCCACCTCCTCCTTtgatctCCCCTCCCCCACCTCCTCCTTtacgctCCCCT CCCCCACCTCCTCCTT
7935	DNA; Synthetic Construct	AAGGAGGAGGTGGGGGAGGGGtgccgctAAGGAGGAGGTGGGGGAGGGGtgctttAA GGAGGAGGTGGGGGAGGGGtgatctAAGGAGGAGGTGGGGGAGGGGtacgctAAGGA GGAGGTGGGGGAGGGG
7936	DNA; Synthetic Construct	CCCCTCCTCCACCTCCTCCCCtgccgctCCCCTCCTCCACCTCCTCCCCtgctttCC CCTCCTCCACCTCCTCCCCtgatctCCCCTCCTCCACCTCCTCCCCtacgctCCCCT CCTCCACCTCCTCCCC
7937	DNA; Synthetic Construct	GGGGAGGAGGTGGAGGAGGGGtgccgctGGGGAGGAGGTGGAGGAGGGGtgctttGG GGAGGAGGTGGAGGAGGGGtgatctGGGGAGGAGGTGGAGGAGGGGtacgctGGGGA GGAGGTGGAGGAGGGG
7938	DNA; Synthetic Construct	CCCCTCCTCCACCTCCTCCCTtgccgctCCCCTCCTCCACCTCCTCCCTtgctttCC CCTCCTCCACCTCCTCCCTtgatctCCCCTCCTCCACCTCCTCCCTtacgctCCCCT CCTCCACCTCCTCCCT
7939	DNA; Synthetic Construct	AGGGAGGAGGTGGAGGAGGGGtgccgctAGGGAGGAGGTGGAGGAGGGGtgctttAG GGAGGAGGTGGAGGAGGGGtgatctAGGGAGGAGGTGGAGGAGGGGtacgctAGGGA GGAGGTGGAGGAGGGG
7940	DNA; Synthetic Construct	CCCCTCCTCCACCTCCTCCTCtgccgctCCCCTCCTCCACCTCCTCCTCtgctttCC CCTCCTCCACCTCCTCCTCtgatctCCCCTCCTCCACCTCCTCCTCtacgctCCCCT CCTCCACCTCCTCCTC
7941	DNA; Synthetic Construct	GAGGAGGAGGTGGAGGAGGGGtgccgctGAGGAGGAGGTGGAGGAGGGGtgctttGA GGAGGAGGTGGAGGAGGGGtgatctGAGGAGGAGGTGGAGGAGGGGtacgctGAGGA GGAGGTGGAGGAGGGG
7942	DNA; Synthetic Construct	CCCCTCCTCCACCTCCTCCTTtgccgctCCCCTCCTCCACCTCCTCCTTtgctttCC CCTCCTCCACCTCCTCCTTtgatctCCCCTCCTCCACCTCCTCCTTtacgctCCCCT CCTCCACCTCCTCCTT
7943	DNA; Synthetic Construct	AAGGAGGAGGTGGAGGAGGGGtgccgctAAGGAGGAGGTGGAGGAGGGGtgctttAA GGAGGAGGTGGAGGAGGGGtgatctAAGGAGGAGGTGGAGGAGGGGtacgctAAGGA GGAGGTGGAGGAGGGG
7944	DNA; Synthetic Construct	CTCCCCCCCCCACCTCCTCCCCtgccgctCTCCCCCCCCCACCTCCTCCCCtgctttCT CCCCCCCCCACCTCCTCCCCtgatctCTCCCCCCCCCACCTCCTCCCCtacgctCTCCC CCCCCACCTCCTCCCC
7945	DNA; Synthetic Construct	GGGGAGGAGGTGGGGGGGGAGtgccgctGGGGAGGAGGTGGGGGGGGAGtgctttGG GGAGGAGGTGGGGGGGGAGtgatctGGGGAGGAGGTGGGGGGGGAGtacgctGGGGA GGAGGTGGGGGGGGAG

7946	DNA; Synthetic Construct	CTCCCCCCCCACCTCCTCCCTtgccgctCTCCCCCCCCACCTCCTCCCTtgctttCT CCCCCCCCACCTCCTCCCTtgatctCTCCCCCCCCACCTCCTCCCTtacgctCTCCC CCCCCACCTCCTCCCT
7947	DNA; Synthetic Construct	AGGGAGGAGGTGGGGGGGGAGtgccgctAGGGAGGAGGTGGGGGGGGAGtgctttAG GGAGGAGGTGGGGGGGGAGtgatctAGGGAGGAGGTGGGGGGGGAGtacgctAGGGA GGAGGTGGGGGGGGAG
7948	DNA; Synthetic Construct	CTCCCCCCCCACCTCCTCCTCtgccgctCTCCCCCCCCACCTCCTCCTCtgctttCT CCCCCCCCACCTCCTCCTCtgatctCTCCCCCCCCACCTCCTCCTCtacgctCTCCC CCCCCACCTCCTCCTC
7949	DNA; Synthetic Construct	GAGGAGGAGGTGGGGGGGGAGtgccgctGAGGAGGAGGTGGGGGGGGAGtgctttGA GGAGGAGGTGGGGGGGGAGtgatctGAGGAGGAGGTGGGGGGGGAGtacgctGAGGA GGAGGTGGGGGGGGAG
7950	DNA; Synthetic Construct	CTCCCCCCCCACCTCCTCCTTtgccgctCTCCCCCCCCACCTCCTCCTTtgctttCT CCCCCCCCACCTCCTCCTTtgatctCTCCCCCCCCACCTCCTCCTTtacgctCTCCC CCCCCACCTCCTCCTT
7951	DNA; Synthetic Construct	AAGGAGGAGGTGGGGGGGGAGtgccgctAAGGAGGAGGTGGGGGGGGAGtgctttAA GGAGGAGGTGGGGGGGGAGtgatctAAGGAGGAGGTGGGGGGGGAGtacgctAAGGA GGAGGTGGGGGGGGAG
7952	DNA; Synthetic Construct	CTCCCCCTCCACCTCCTCCCCtgccgctCTCCCCCTCCACCTCCTCCCCtgctttCT CCCCCTCCACCTCCTCCCCtgatctCTCCCCCTCCACCTCCTCCCCtacgctCTCCC CCTCCACCTCCTCCCC
7953	DNA; Synthetic Construct	GGGGAGGAGGTGGAGGGGGAGtgccgctGGGGAGGAGGTGGAGGGGGAGtgctttGG GGAGGAGGTGGAGGGGGAGtgatctGGGGAGGAGGTGGAGGGGGAGtacgctGGGGA GGAGGTGGAGGGGGAG
7954	DNA; Synthetic Construct	CTCCCCCTCCACCTCCTCCCTtgccgctCTCCCCCTCCACCTCCTCCCTtgctttCT CCCCCTCCACCTCCTCCCTtgatctCTCCCCCTCCACCTCCTCCCTtacgctCTCCC CCTCCACCTCCTCCCT
7955	DNA; Synthetic Construct	AGGGAGGAGGTGGAGGGGGAGtgccgctAGGGAGGAGGTGGAGGGGGAGtgctttAG GGAGGAGGTGGAGGGGGAGtgatctAGGGAGGAGGTGGAGGGGGAGtacgctAGGGA GGAGGTGGAGGGGGAG
7956	DNA; Synthetic Construct	CTCCCCCTCCACCTCCTCCTCtgccgctCTCCCCCTCCACCTCCTCCTCtgctttCT CCCCCTCCACCTCCTCCTCtgatctCTCCCCCTCCACCTCCTCCTCtacgctCTCCC CCTCCACCTCCTCCTC
7957	DNA; Synthetic Construct	GAGGAGGAGGTGGAGGGGGAGtgccgctGAGGAGGAGGTGGAGGGGGAGtgctttGA GGAGGAGGTGGAGGGGGAGtgatctGAGGAGGAGGTGGAGGGGGAGtacgctGAGGA GGAGGTGGAGGGGGAG
7958	DNA; Synthetic Construct	CTCCCCCTCCACCTCCTCCTTtgccgctCTCCCCCTCCACCTCCTCCTTtgctttCT CCCCCTCCACCTCCTCCTTtgatctCTCCCCCTCCACCTCCTCCTTtacgctCTCCC CCTCCACCTCCTCCTT
7959	DNA; Synthetic Construct	AAGGAGGAGGTGGAGGGGGAGtgccgctAAGGAGGAGGTGGAGGGGGAGtgctttAA GGAGGAGGTGGAGGGGGAGtgatctAAGGAGGAGGTGGAGGGGGAGtacgctAAGGA GGAGGTGGAGGGGGAG
7960	DNA; Synthetic Construct	CTCCTCCCCCACCTCCTCCCCtgccgctCTCCTCCCCCACCTCCTCCCCtgctttCT CCTCCCCCACCTCCTCCCCtgatctCTCCTCCCCCACCTCCTCCCCtacgctCTCCT CCCCCACCTCCTCCCC
7961	DNA; Synthetic Construct	GGGGAGGAGGTGGGGGAGGAGtgccgctGGGGAGGAGGTGGGGGAGGAGtgctttGG GGAGGAGGTGGGGGAGGAGtgatctGGGGAGGAGGTGGGGGAGGAGtacgctGGGGA GGAGGTGGGGGAGGAG
7962	DNA; Synthetic Construct	CTCCTCCCCCACCTCCTCCCTtgccgctCTCCTCCCCCACCTCCTCCCTtgctttCT CCTCCCCCACCTCCTCCCTtgatctCTCCTCCCCCACCTCCTCCCTtacgctCTCCT CCCCCACCTCCTCCCT
7963	DNA; Synthetic Construct	AGGGAGGAGGTGGGGGAGGAGtgccgctAGGGAGGAGGTGGGGGAGGAGtgctttAG GGAGGAGGTGGGGGAGGAGtgatctAGGGAGGAGGTGGGGGAGGAGtacgctAGGGA GGAGGTGGGGGAGGAG

7964	DNA; Synthetic Construct	CTCCTCCCCCACCTCCTCCTCtgccgctCTCCTCCCCCACCTCCTCCTCtgctttCT CCTCCCCCACCTCCTCCTCtgatctCTCCTCCCCCACCTCCTCCTCtacgctCTCCT CCCCCACCTCCTCCTC
7965	DNA; Synthetic Construct	GAGGAGGAGGTGGGGGAGGAGtgccgctGAGGAGGAGGTGGGGGAGGAGtgctttGA GGAGGAGGTGGGGGAGGAGtgatctGAGGAGGAGGTGGGGGAGGAGtacgctGAGGA GGAGGTGGGGGAGGAG
7966	DNA; Synthetic Construct	CTCCTCCCCCACCTCCTCCTTtgccgctCTCCTCCCCCACCTCCTCCTTtgctttCT CCTCCCCCACCTCCTCCTTtgatctCTCCTCCCCCACCTCCTCCTTtacgctCTCCT CCCCCACCTCCTCCTT
7967	DNA; Synthetic Construct	AAGGAGGAGGTGGGGGAGGAGtgccgctAAGGAGGAGGTGGGGGAGGAGtgctttAA GGAGGAGGTGGGGGAGGAGtgatctAAGGAGGAGGTGGGGGAGGAGtacgctAAGGA GGAGGTGGGGGAGGAG
7968	DNA; Synthetic Construct	CTCCTCCTCCACCTCCTCCCCtgccgctCTCCTCCTCCACCTCCTCCCCtgctttCT CCTCCTCCACCTCCTCCCCtgatctCTCCTCCTCCACCTCCTCCCCtacgctCTCCT CCTCCACCTCCTCCCC
7969	DNA; Synthetic Construct	GGGGAGGAGGTGGAGGAGGAGtgccgctGGGGAGGAGGTGGAGGAGGAGtgctttGG GGAGGAGGTGGAGGAGGAGtgatctGGGGAGGAGGTGGAGGAGGAGtacgctGGGGA GGAGGTGGAGGAGGAG
7970	DNA; Synthetic Construct	CTCCTCCTCCACCTCCTCCCTtgccgctCTCCTCCTCCACCTCCTCCCTtgctttCT CCTCCTCCACCTCCTCCCTtgatctCTCCTCCTCCACCTCCTCCCTtacgctCTCCT CCTCCACCTCCTCCCT
7971	DNA; Synthetic Construct	AGGGAGGAGGTGGAGGAGGAGtgccgctAGGGAGGAGGTGGAGGAGGAGtgctttAG GGAGGAGGTGGAGGAGGAGtgatctAGGGAGGAGGTGGAGGAGGAGtacgctAGGGA GGAGGTGGAGGAGGAG
7972	DNA; Synthetic Construct	CTCCTCCTCCACCTCCTCCTCtgccgctCTCCTCCTCCACCTCCTCCTCtgctttCT CCTCCTCCACCTCCTCCTCtgatctCTCCTCCTCCACCTCCTCCTCtacgctCTCCT CCTCCACCTCCTCCTC
7973	DNA; Synthetic Construct	GAGGAGGAGGTGGAGGAGGAGtgccgctGAGGAGGAGGTGGAGGAGGAGtgctttGA GGAGGAGGTGGAGGAGGAGtgatctGAGGAGGAGGTGGAGGAGGAGtacgctGAGGA GGAGGTGGAGGAGGAG
7974	DNA; Synthetic Construct	CTCCTCCTCCACCTCCTCCTTtgccgctCTCCTCCTCCACCTCCTCCTTtgctttCT CCTCCTCCACCTCCTCCTTtgatctCTCCTCCTCCACCTCCTCCTTtacgctCTCCT CCTCCACCTCCTCCTT
7975	DNA; Synthetic Construct	AAGGAGGAGGTGGAGGAGGAGtgccgctAAGGAGGAGGTGGAGGAGGAGtgctttAA GGAGGAGGTGGAGGAGGAGtgatctAAGGAGGAGGTGGAGGAGGAGtacgctAAGGA GGAGGTGGAGGAGGAG
7976	DNA; Synthetic Construct	TTATATtgctttTTATATtgatctTTATATtacgctTTATATtgccgctTTATATtg ctttTTATATtgatctTTATATtacgctTTATATtgccgctTTATATtgctttTTAT ATtgatctTTATATtacgctTTATAT
7977	DNA; Synthetic Construct	ATATAAtgctttATATAAtgatctATATAAtacgctATATAAtgccgctATATAAtg ctttATATAAtgatctATATAAtacgctATATAAtgccgctATATAAtgctttATAT AAtgatctATATAAtacgctATATAA
7978	DNA; Synthetic Construct	ACCGGAAGTtacgctACCGGAAGTtgccgctACCGGAAGTtgctttACCGGAAGTtg atctACCGGAAGTtacgctACCGGAAGTtgccgctACCGGAAGTtgctttACCGGAA GTtgatctACCGGAAGTtacgctACCGGAAGT
7979	DNA; Synthetic Construct	ACTTCCGGTtacgctACTTCCGGTtgccgctACTTCCGGTtgctttACTTCCGGTtg atctACTTCCGGTtacgctACTTCCGGTtgccgctACTTCCGGTtgctttACTTCCG GTtgatctACTTCCGGTtacgctACTTCCGGT
7980	DNA; Synthetic Construct	CCTTGCCCCGCCCCtgatctCCTTGCCCCGCCCCtacgctCCTTGCCCCGCCCCtgc cgctCCTTGCCCCGCCCCtgctttCCTTGCCCCGCCCCtgatctCCTTGCCCCGCCC CtacgctCCTTGCCCCGCCCC
7981	DNA; Synthetic Construct	GGGGCGGGGCAAGGtgatctGGGGCGGGGCAAGGtacgctGGGGCGGGGCAAGGtgc cgctGGGGCGGGGCAAGGtgctttGGGGCGGGGCAAGGtgatctGGGGCGGGGCAAG GtacgctGGGGCGGGGCAAGG

7982	DNA; Synthetic Construct	AACAACTGTTtgccgctAACAACTGTTtgctttAACAACTGTTtgatctAACAACTG TTtacgctAACAACTGTTtgccgctAACAACTGTTtgctttAACAACTGTTtgatct AACAACTGTTtacgctAACAACTGTT
7983	DNA; Synthetic Construct	AACAGTTGTTtgccgctAACAGTTGTTtgctttAACAGTTGTTtgatctAACAGTTG TTtacgctAACAGTTGTTtgccgctAACAGTTGTTtgctttAACAGTTGTTtgatct AACAGTTGTTtacgctAACAGTTGTT
7984	DNA; Synthetic Construct	AACAGCTGTTtgccgctAACAGCTGTTtgctttAACAGCTGTTtgatctAACAGCTG TTtacgctAACAGCTGTTtgccgctAACAGCTGTTtgctttAACAGCTGTTtgatct AACAGCTGTTtacgctAACAGCTGTT
7985	DNA; Synthetic Construct	AACAGCTGTTtgccgctAACAGCTGTTtgctttAACAGCTGTTtgatctAACAGCTG TTtacgctAACAGCTGTTtgccgctAACAGCTGTTtgctttAACAGCTGTTtgatct AACAGCTGTTtacgctAACAGCTGTT
7986	DNA; Synthetic Construct	AACCGTTATTCtgccgctAACCGTTATTCtgctttAACCGTTATTCtgatctAACCG TTATTCtacgctAACCGTTATTCtgccgctAACCGTTATTCtgctttAACCGTTATT CtgatctAACCGTTATTCtacgctAACCGTTATTC
7987	DNA; Synthetic Construct	GAATAACGGTTtgccgctGAATAACGGTTtgctttGAATAACGGTTtgatctGAATA ACGGTTtacgctGAATAACGGTTtgccgctGAATAACGGTTtgctttGAATAACGGT TtgatctGAATAACGGTTtacgctGAATAACGGTT
7988	DNA; Synthetic Construct	AACCGTTATTTtgccgctAACCGTTATTTtgctttAACCGTTATTTtgatctAACCG TTATTTtacgctAACCGTTATTTtgccgctAACCGTTATTTtgctttAACCGTTATT TtgatctAACCGTTATTTtacgctAACCGTTATTT
7989	DNA; Synthetic Construct	AAATAACGGTTtgccgctAAATAACGGTTtgctttAAATAACGGTTtgatctAAATA ACGGTTtacgctAAATAACGGTTtgccgctAAATAACGGTTtgctttAAATAACGGT TtgatctAAATAACGGTTtacgctAAATAACGGTT
7990	DNA; Synthetic Construct	TACCGTTATTCtgccgctTACCGTTATTCtgctttTACCGTTATTCtgatctTACCG TTATTCtacgctTACCGTTATTCtgccgctTACCGTTATTCtgctttTACCGTTATT CtgatctTACCGTTATTCtacgctTACCGTTATTC
7991	DNA; Synthetic Construct	GAATAACGGTAtgccgctGAATAACGGTAtgctttGAATAACGGTAtgatctGAATA ACGGTAtacgctGAATAACGGTAtgccgctGAATAACGGTAtgctttGAATAACGGT AtgatctGAATAACGGTAtacgctGAATAACGGTA
7992	DNA; Synthetic Construct	TACCGTTATTTtgccgctTACCGTTATTTtgctttTACCGTTATTTtgatctTACCG TTATTTtacgctTACCGTTATTTtgccgctTACCGTTATTTtgctttTACCGTTATT TtgatctTACCGTTATTTtacgctTACCGTTATTT
7993	DNA; Synthetic Construct	AAATAACGGTAtgccgctAAATAACGGTAtgctttAAATAACGGTAtgatctAAATA ACGGTAtacgctAAATAACGGTAtgccgctAAATAACGGTAtgctttAAATAACGGT AtgatctAAATAACGGTAtacgctAAATAACGGTA
7994	DNA; Synthetic Construct	GTAAATATTGACtgctttGTAAATATTGACtgatctGTAAATATTGACtacgctGTA AATATTGACtgccgctGTAAATATTGACtgctttGTAAATATTGACtgatctGTAAA TATTGACtacgctGTAAATATTGAC
7995	DNA; Synthetic Construct	GTCAATATTTACtgctttGTCAATATTTACtgatctGTCAATATTTACtacgctGTC AATATTTACtgccgctGTCAATATTTACtgctttGTCAATATTTACtgatctGTCAA TATTTACtacgctGTCAATATTTAC
7996	DNA; Synthetic Construct	GTAAATATTTACtgctttGTAAATATTTACtgatctGTAAATATTTACtacgctGTA AATATTTACtgccgctGTAAATATTTACtgctttGTAAATATTTACtgatctGTAAA TATTTACtacgctGTAAATATTTAC
7997	DNA; Synthetic Construct	GTAAATATTTACtgctttGTAAATATTTACtgatctGTAAATATTTACtacgctGTA AATATTTACtgccgctGTAAATATTTACtgctttGTAAATATTTACtgatctGTAAA TATTTACtacgctGTAAATATTTAC
7998	DNA; Synthetic Construct	GTCAATATTGACtgctttGTCAATATTGACtgatctGTCAATATTGACtacgctGTC AATATTGACtgccgctGTCAATATTGACtgctttGTCAATATTGACtgatctGTCAA TATTGACtacgctGTCAATATTGAC
7999	DNA; Synthetic Construct	GTCAATATTGACtgctttGTCAATATTGACtgatctGTCAATATTGACtacgctGTC AATATTGACtgccgctGTCAATATTGACtgctttGTCAATATTGACtgatctGTCAA TATTGACtacgctGTCAATATTGAC

8000	DNA; Synthetic Construct	GTCAATATTTACtgctttGTCAATATTTACtgatctGTCAATATTTACtacgctGTC AATATTTACtgccgctGTCAATATTTACtgctttGTCAATATTTACtgatctGTCAA TATTTACtacgctGTCAATATTTAC
8001	DNA; Synthetic Construct	GTAAATATTGACtgctttGTAAATATTGACtgatctGTAAATATTGACtacgctGTA AATATTGACtgccgctGTAAATATTGACtgctttGTAAATATTGACtgatctGTAAA TATTGACtacgctGTAAATATTGAC
8002	DNA; Synthetic Construct	ACCATCTGTTtgccgctACCATCTGTTtgctttACCATCTGTTtgatctACCATCTG TTtacgctACCATCTGTTtgccgctACCATCTGTTtgctttACCATCTGTTtgatct ACCATCTGTTtacgctACCATCTGTT
8003	DNA; Synthetic Construct	AACAGATGGTtgccgctAACAGATGGTtgctttAACAGATGGTtgatctAACAGATG GTtacgctAACAGATGGTtgccgctAACAGATGGTtgctttAACAGATGGTtgatct AACAGATGGTtacgctAACAGATGGT
8004	DNA; Synthetic Construct	CGCCCCCTGACAtgctttCGCCCCCTGACAtgatctCGCCCCCTGACAtacgctCGC CCCCTGACAtgccgctCGCCCCCTGACAtgctttCGCCCCCTGACAtgatctCGCCC CCTGACAtacgctCGCCCCCTGACA
8005	DNA; Synthetic Construct	TGTCAGGGGGCGtgctttTGTCAGGGGGCGtgatctTGTCAGGGGGCGtacgctTGT CAGGGGGCGtgccgctTGTCAGGGGGCGtgctttTGTCAGGGGGCGtgatctTGTCA GGGGGCGtacgctTGTCAGGGGGCG
8006	DNA; Synthetic Construct	CGCCCCCTGGCAtgctttCGCCCCCTGGCAtgatctCGCCCCCTGGCAtacgctCGC CCCCTGGCAtgccgctCGCCCCCTGGCAtgctttCGCCCCCTGGCAtgatctCGCCC CCTGGCAtacgctCGCCCCCTGGCA
8007	DNA; Synthetic Construct	TGCCAGGGGGCGtgctttTGCCAGGGGGCGtgatctTGCCAGGGGGCGtacgctTGC CAGGGGGCGtgccgctTGCCAGGGGGCGtgctttTGCCAGGGGGCGtgatctTGCCA GGGGGCGtacgctTGCCAGGGGGCG
8008	DNA; Synthetic Construct	TGCCCCCTGACAtgctttTGCCCCCTGACAtgatctTGCCCCCTGACAtacgctTGC CCCCTGACAtgccgctTGCCCCCTGACAtgctttTGCCCCCTGACAtgatctTGCCC CCTGACAtacgctTGCCCCCTGACA
8009	DNA; Synthetic Construct	TGTCAGGGGGCAtgctttTGTCAGGGGGCAtgatctTGTCAGGGGGCAtacgctTGT CAGGGGGCAtgccgctTGTCAGGGGGCAtgctttTGTCAGGGGGCAtgatctTGTCA GGGGGCAtacgctTGTCAGGGGGCA
8010	DNA; Synthetic Construct	TGCCCCCTGGCAtgctttTGCCCCCTGGCAtgatctTGCCCCCTGGCAtacgctTGC CCCCTGGCAtgccgctTGCCCCCTGGCAtgctttTGCCCCCTGGCAtgatctTGCCC CCTGGCAtacgctTGCCCCCTGGCA
8011	DNA; Synthetic Construct	TGCCAGGGGGCAtgctttTGCCAGGGGGCAtgatctTGCCAGGGGGCAtacgctTGC CAGGGGGCAtgccgctTGCCAGGGGGCAtgctttTGCCAGGGGGCAtgatctTGCCA GGGGGCAtacgctTGCCAGGGGGCA
8012	DNA; Synthetic Construct	TTCCTCCtgatctTTCCTCCtacgctTTCCTCCtgccgctTTCCTCCtgctttTTCC TCCtgatctTTCCTCCtacgctTTCCTCCtgccgctTTCCTCCtgctttTTCCTCCt gatctTTCCTCCtacgctTTCCTCC
8013	DNA; Synthetic Construct	GGAGGAAtgatctGGAGGAAtacgctGGAGGAAtgccgctGGAGGAAtgctttGGAG GAAtgatctGGAGGAAtacgctGGAGGAAtgccgctGGAGGAAtgctttGGAGGAAt gatctGGAGGAAtacgctGGAGGAA
8014	DNA; Synthetic Construct	TTCCTCTtgatctTTCCTCTtacgctTTCCTCTtgccgctTTCCTCTtgctttTTCC TCTtgatctTTCCTCTtacgctTTCCTCTtgccgctTTCCTCTtgctttTTCCTCTt gatctTTCCTCTtacgctTTCCTCT
8015	DNA; Synthetic Construct	AGAGGAAtgatctAGAGGAAtacgctAGAGGAAtgccgctAGAGGAAtgctttAGAG GAAtgatctAGAGGAAtacgctAGAGGAAtgccgctAGAGGAAtgctttAGAGGAAt gatctAGAGGAAtacgctAGAGGAA
8016	DNA; Synthetic Construct	CCTCATGGTGCCCTACTCCCTTGTGtgccgctCCTCATGGTGCCCTACTCCCTTGTG tgctttCCTCATGGTGCCCTACTCCCTTGTGtgatctCCTCATGGTGCCCTACTCCC TTGTGtacgctCCTCATGGTGCCCTACTCCCTTGTG
8017	DNA; Synthetic Construct	CACAAGGGAGTAGGGCACCATGAGGtgccgctCACAAGGGAGTAGGGCACCATGAGG tgctttCACAAGGGAGTAGGGCACCATGAGGtgatctCACAAGGGAGTAGGGCACCA TGAGGtacgctCACAAGGGAGTAGGGCACCATGAGG

8018	DNA; Synthetic Construct	CCTCATGGTGCCCTATTCCCTTGTGtgccgctCCTCATGGTGCCCTATTCCCTTGTG tgctttCCTCATGGTGCCCTATTCCCTTGTGtgatctCCTCATGGTGCCCTATTCCC TTGTGtacgctCCTCATGGTGCCCTATTCCCTTGTG
8019	DNA; Synthetic Construct	CACAAGGGAATAGGGCACCATGAGGtgccgctCACAAGGGAATAGGGCACCATGAGG tgctttCACAAGGGAATAGGGCACCATGAGGtgatctCACAAGGGAATAGGGCACCA TGAGGtacgctCACAAGGGAATAGGGCACCATGAGG
8020	DNA; Synthetic Construct	CCTCATGGTGCCCTTCTCCCTTGTGtgccgctCCTCATGGTGCCCTTCTCCCTTGTG tgctttCCTCATGGTGCCCTTCTCCCTTGTGtgatctCCTCATGGTGCCCTTCTCCC TTGTGtacgctCCTCATGGTGCCCTTCTCCCTTGTG
8021	DNA; Synthetic Construct	CACAAGGGAGAAGGGCACCATGAGGtgccgctCACAAGGGAGAAGGGCACCATGAGG tgctttCACAAGGGAGAAGGGCACCATGAGGtgatctCACAAGGGAGAAGGGCACCA TGAGGtacgctCACAAGGGAGAAGGGCACCATGAGG
8022	DNA; Synthetic Construct	CCTCATGGTGCCCTTTTCCCTTGTGtgccgctCCTCATGGTGCCCTTTTCCCTTGTG tgctttCCTCATGGTGCCCTTTTCCCTTGTGtgatctCCTCATGGTGCCCTTTTCCC TTGTGtacgctCCTCATGGTGCCCTTTTCCCTTGTG
8023	DNA; Synthetic Construct	CACAAGGGAAAAGGGCACCATGAGGtgccgctCACAAGGGAAAAGGGCACCATGAGG tgctttCACAAGGGAAAAGGGCACCATGAGGtgatctCACAAGGGAAAAGGGCACCA TGAGGtacgctCACAAGGGAAAAGGGCACCATGAGG
8024	DNA; Synthetic Construct	CCTCATGGTGCCTTACTCCCTTGTGtgccgctCCTCATGGTGCCTTACTCCCTTGTG tgctttCCTCATGGTGCCTTACTCCCTTGTGtgatctCCTCATGGTGCCTTACTCCC TTGTGtacgctCCTCATGGTGCCTTACTCCCTTGTG
8025	DNA; Synthetic Construct	CACAAGGGAGTAAGGCACCATGAGGtgccgctCACAAGGGAGTAAGGCACCATGAGG tgctttCACAAGGGAGTAAGGCACCATGAGGtgatctCACAAGGGAGTAAGGCACCA TGAGGtacgctCACAAGGGAGTAAGGCACCATGAGG
8026	DNA; Synthetic Construct	CCTCATGGTGCCTTATTCCCTTGTGtgccgctCCTCATGGTGCCTTATTCCCTTGTG tgctttCCTCATGGTGCCTTATTCCCTTGTGtgatctCCTCATGGTGCCTTATTCCC TTGTGtacgctCCTCATGGTGCCTTATTCCCTTGTG
8027	DNA; Synthetic Construct	CACAAGGGAATAAGGCACCATGAGGtgccgctCACAAGGGAATAAGGCACCATGAGG tgctttCACAAGGGAATAAGGCACCATGAGGtgatctCACAAGGGAATAAGGCACCA TGAGGtacgctCACAAGGGAATAAGGCACCATGAGG
8028	DNA; Synthetic Construct	CCTCATGGTGCCTTTCTCCCTTGTGtgccgctCCTCATGGTGCCTTTCTCCCTTGTG tgctttCCTCATGGTGCCTTTCTCCCTTGTGtgatctCCTCATGGTGCCTTTCTCCC TTGTGtacgctCCTCATGGTGCCTTTCTCCCTTGTG
8029	DNA; Synthetic Construct	CACAAGGGAGAAAGGCACCATGAGGtgccgctCACAAGGGAGAAAGGCACCATGAGG tgctttCACAAGGGAGAAAGGCACCATGAGGtgatctCACAAGGGAGAAAGGCACCA TGAGGtacgctCACAAGGGAGAAAGGCACCATGAGG
8030	DNA; Synthetic Construct	CCTCATGGTGCCTTTTTCCCTTGTGtgccgctCCTCATGGTGCCTTTTTCCCTTGTG tgctttCCTCATGGTGCCTTTTTCCCTTGTGtgatctCCTCATGGTGCCTTTTTCCC TTGTGtacgctCCTCATGGTGCCTTTTTCCCTTGTG
8031	DNA; Synthetic Construct	CACAAGGGAAAAAGGCACCATGAGGtgccgctCACAAGGGAAAAAGGCACCATGAGG tgctttCACAAGGGAAAAAGGCACCATGAGGtgatctCACAAGGGAAAAAGGCACCA TGAGGtacgctCACAAGGGAAAAAGGCACCATGAGG
8032	DNA; Synthetic Construct	CCTCATGGTGTCCTACTCCCTTGTGtgccgctCCTCATGGTGTCCTACTCCCTTGTG tgctttCCTCATGGTGTCCTACTCCCTTGTGtgatctCCTCATGGTGTCCTACTCCC TTGTGtacgctCCTCATGGTGTCCTACTCCCTTGTG
8033	DNA; Synthetic Construct	CACAAGGGAGTAGGACACCATGAGGtgccgctCACAAGGGAGTAGGACACCATGAGG tgctttCACAAGGGAGTAGGACACCATGAGGtgatctCACAAGGGAGTAGGACACCA TGAGGtacgctCACAAGGGAGTAGGACACCATGAGG
8034	DNA; Synthetic Construct	CCTCATGGTGTCCTATTCCCTTGTGtgccgctCCTCATGGTGTCCTATTCCCTTGTG tgctttCCTCATGGTGTCCTATTCCCTTGTGtgatctCCTCATGGTGTCCTATTCCC TTGTGtacgctCCTCATGGTGTCCTATTCCCTTGTG
8035	DNA; Synthetic Construct	CACAAGGGAATAGGACACCATGAGGtgccgctCACAAGGGAATAGGACACCATGAGG tgctttCACAAGGGAATAGGACACCATGAGGtgatctCACAAGGGAATAGGACACCA TGAGGtacgctCACAAGGGAATAGGACACCATGAGG

8036	DNA; Synthetic Construct	CCTCATGGTGTCCTTCTCCCTTGTGtgccgctCCTCATGGTGTCCTTCTCCCTTGTG tgctttCCTCATGGTGTCCTTCTCCCTTGTGtgatctCCTCATGGTGTCCTTCTCCC TTGTGtacgctCCTCATGGTGTCCTTCTCCCTTGTG
8037	DNA; Synthetic Construct	CACAAGGGAGAAGGACACCATGAGGtgccgctCACAAGGGAGAAGGACACCATGAGG tgctttCACAAGGGAGAAGGACACCATGAGGtgatctCACAAGGGAGAAGGACACCA TGAGGtacgctCACAAGGGAGAAGGACACCATGAGG
8038	DNA; Synthetic Construct	CCTCATGGTGTCCTTTTCCCTTGTGtgccgctCCTCATGGTGTCCTTTTCCCTTGTG tgctttCCTCATGGTGTCCTTTTCCCTTGTGtgatctCCTCATGGTGTCCTTTTCCC TTGTGtacgctCCTCATGGTGTCCTTTTCCCTTGTG
8039	DNA; Synthetic Construct	CACAAGGGAAAAGGACACCATGAGGtgccgctCACAAGGGAAAAGGACACCATGAGG tgctttCACAAGGGAAAAGGACACCATGAGGtgatctCACAAGGGAAAAGGACACCA TGAGGtacgctCACAAGGGAAAAGGACACCATGAGG
8040	DNA; Synthetic Construct	CCTCATGGTGTCTTACTCCCTTGTGtgccgctCCTCATGGTGTCTTACTCCCTTGTG tgctttCCTCATGGTGTCTTACTCCCTTGTGtgatctCCTCATGGTGTCTTACTCCC TTGTGtacgctCCTCATGGTGTCTTACTCCCTTGTG
8041	DNA; Synthetic Construct	CACAAGGGAGTAAGACACCATGAGGtgccgctCACAAGGGAGTAAGACACCATGAGG tgctttCACAAGGGAGTAAGACACCATGAGGtgatctCACAAGGGAGTAAGACACCA TGAGGtacgctCACAAGGGAGTAAGACACCATGAGG
8042	DNA; Synthetic Construct	CCTCATGGTGTCTTATTCCCTTGTGtgccgctCCTCATGGTGTCTTATTCCCTTGTG tgctttCCTCATGGTGTCTTATTCCCTTGTGtgatctCCTCATGGTGTCTTATTCCC TTGTGtacgctCCTCATGGTGTCTTATTCCCTTGTG
8043	DNA; Synthetic Construct	CACAAGGGAATAAGACACCATGAGGtgccgctCACAAGGGAATAAGACACCATGAGG tgctttCACAAGGGAATAAGACACCATGAGGtgatctCACAAGGGAATAAGACACCA TGAGGtacgctCACAAGGGAATAAGACACCATGAGG
8044	DNA; Synthetic Construct	CCTCATGGTGTCTTTCTCCCTTGTGtgccgctCCTCATGGTGTCTTTCTCCCTTGTG tgctttCCTCATGGTGTCTTTCTCCCTTGTGtgatctCCTCATGGTGTCTTTCTCCC TTGTGtacgctCCTCATGGTGTCTTTCTCCCTTGTG
8045	DNA; Synthetic Construct	CACAAGGGAGAAAGACACCATGAGGtgccgctCACAAGGGAGAAAGACACCATGAGG tgctttCACAAGGGAGAAAGACACCATGAGGtgatctCACAAGGGAGAAAGACACCA TGAGGtacgctCACAAGGGAGAAAGACACCATGAGG
8046	DNA; Synthetic Construct	CCTCATGGTGTCTTTTTCCCTTGTGtgccgctCCTCATGGTGTCTTTTTCCCTTGTG tgctttCCTCATGGTGTCTTTTTCCCTTGTGtgatctCCTCATGGTGTCTTTTTCCC TTGTGtacgctCCTCATGGTGTCTTTTTCCCTTGTG
8047	DNA; Synthetic Construct	CACAAGGGAAAAAGACACCATGAGGtgccgctCACAAGGGAAAAAGACACCATGAGG tgctttCACAAGGGAAAAAGACACCATGAGGtgatctCACAAGGGAAAAAGACACCA TGAGGtacgctCACAAGGGAAAAAGACACCATGAGG
8048	DNA; Synthetic Construct	TCCTACCCGGCAACTGCtacgctTCCTACCCGGCAACTGCtgccgctTCCTACCCGG CAACTGCtgctttTCCTACCCGGCAACTGCtgatctTCCTACCCGGCAACTGCtacg ctTCCTACCCGGCAACTGC
8049	DNA; Synthetic Construct	GCAGTTGCCGGGTAGGAtacgctGCAGTTGCCGGGTAGGAtgccgctGCAGTTGCCG GGTAGGAtgctttGCAGTTGCCGGGTAGGAtgatctGCAGTTGCCGGGTAGGAtacg ctGCAGTTGCCGGGTAGGA
8050	DNA; Synthetic Construct	TCCTACCCGGCAACTGTtacgctTCCTACCCGGCAACTGTtgccgctTCCTACCCGG CAACTGTtgctttTCCTACCCGGCAACTGTtgatctTCCTACCCGGCAACTGTtacg ctTCCTACCCGGCAACTGT
8051	DNA; Synthetic Construct	ACAGTTGCCGGGTAGGAtacgctACAGTTGCCGGGTAGGAtgccgctACAGTTGCCG GGTAGGAtgctttACAGTTGCCGGGTAGGAtgatctACAGTTGCCGGGTAGGAtacg ctACAGTTGCCGGGTAGGA
8052	DNA; Synthetic Construct	TCCTACCCGGCAGCTGCtacgctTCCTACCCGGCAGCTGCtgccgctTCCTACCCGG CAGCTGCtgctttTCCTACCCGGCAGCTGCtgatctTCCTACCCGGCAGCTGCtacg ctTCCTACCCGGCAGCTGC
8053	DNA; Synthetic Construct	GCAGCTGCCGGGTAGGAtacgctGCAGCTGCCGGGTAGGAtgccgctGCAGCTGCCG GGTAGGAtgctttGCAGCTGCCGGGTAGGAtgatctGCAGCTGCCGGGTAGGAtacg ctGCAGCTGCCGGGTAGGA

8054	DNA; Synthetic Construct	TCCTACCCGGCAGCTGTtacgctTCCTACCCGGCAGCTGTtgccgctTCCTACCCGG CAGCTGTtgctttTCCTACCCGGCAGCTGTtgatctTCCTACCCGGCAGCTGTtacg ctTCCTACCCGGCAGCTGT
8055	DNA; Synthetic Construct	ACAGCTGCCGGGTAGGAtacgctACAGCTGCCGGGTAGGAtgccgctACAGCTGCCG GGTAGGAtgctttACAGCTGCCGGGTAGGAtgatctACAGCTGCCGGGTAGGAtacg ctACAGCTGCCGGGTAGGA
8056	DNA; Synthetic Construct	CAGATAACATCTAAtgatctCAGATAACATCTAAtacgctCAGATAACATCTAAtgc cgctCAGATAACATCTAAtgctttCAGATAACATCTAAtgatctCAGATAACATCTA Atacgctcagataacatctaa
8057	DNA; Synthetic Construct	TTAGATGTTATCTGtgatctTTAGATGTTATCTGtacgctTTAGATGTTATCTGtgc cgctTTAGATGTTATCTGtgctttTTAGATGTTATCTGtgatctTTAGATGTTATCT Gtacgcttagatgttatctg
8058	DNA; Synthetic Construct	CAGATAACATCTACtgatctCAGATAACATCTACtacgctCAGATAACATCTACtgc cgctCAGATAACATCTACtgctttCAGATAACATCTACtgatctCAGATAACATCTA CtacgctCAGATAACATCTAC
8059	DNA; Synthetic Construct	GTAGATGTTATCTGtgatctGTAGATGTTATCTGtacgctGTAGATGTTATCTGtgc cgctGTAGATGTTATCTGtgctttGTAGATGTTATCTGtgatctGTAGATGTTATCT Gtacgctgtagatgttatctg
8060	DNA; Synthetic Construct	CAGATAACATCTATtgatctCAGATAACATCTATtacgctCAGATAACATCTATtgc cgctCAGATAACATCTATtgctttCAGATAACATCTATtgatctCAGATAACATCTA Ttacgctcagataacatctat
8061	DNA; Synthetic Construct	ATAGATGTTATCTGtgatctATAGATGTTATCTGtacgctATAGATGTTATCTGtgc cgctATAGATGTTATCTGtgctttATAGATGTTATCTGtgatctATAGATGTTATCT Gtacgctatagatgttatctg
8062	DNA; Synthetic Construct	CAGATAACATCTCAtgatctCAGATAACATCTCAtacgctCAGATAACATCTCAtgc cgctCAGATAACATCTCAtgctttCAGATAACATCTCAtgatctCAGATAACATCTC Atacgctcagataacatctca
8063	DNA; Synthetic Construct	TGAGATGTTATCTGtgatctTGAGATGTTATCTGtacgctTGAGATGTTATCTGtgc cgctTGAGATGTTATCTGtgctttTGAGATGTTATCTGtgatctTGAGATGTTATCT Gtacgcttgagatgttatctg
8064	DNA; Synthetic Construct	CAGATAACATCTCCtgatctCAGATAACATCTCCtacgctCAGATAACATCTCCtgc cgctCAGATAACATCTCCtgctttCAGATAACATCTCCtgatctCAGATAACATCTC Ctacgctcagataacatctcc
8065	DNA; Synthetic Construct	GGAGATGTTATCTGtgatctGGAGATGTTATCTGtacgctGGAGATGTTATCTGtgc cgctGGAGATGTTATCTGtgctttGGAGATGTTATCTGtgatctGGAGATGTTATCT Gtacgctggagatgttatctg
8066	DNA; Synthetic Construct	CAGATAACATCTCTtgatctCAGATAACATCTCTtacgctCAGATAACATCTCTtgc cgctCAGATAACATCTCTtgctttCAGATAACATCTCTtgatctCAGATAACATCTC Ttacgctcagataacatctct
8067	DNA; Synthetic Construct	AGAGATGTTATCTGtgatctAGAGATGTTATCTGtacgctAGAGATGTTATCTGtgc cgctAGAGATGTTATCTGtgctttAGAGATGTTATCTGtgatctAGAGATGTTATCT Gtacgctagagatgttatctg
8068	DNA; Synthetic Construct	CAGATAACATCTGAtgatctCAGATAACATCTGAtacgctCAGATAACATCTGAtgc cgctCAGATAACATCTGAtgctttCAGATAACATCTGAtgatctCAGATAACATCTG Atacgctcagataacatctga
8069	DNA; Synthetic Construct	TCAGATGTTATCTGtgatctTCAGATGTTATCTGtacgctTCAGATGTTATCTGtgc cgctTCAGATGTTATCTGtgctttTCAGATGTTATCTGtgatctTCAGATGTTATCT Gtacgcttcagatgttatctg
8070	DNA; Synthetic Construct	CAGATAACATCTGCtgatctCAGATAACATCTGCtacgctCAGATAACATCTGCtgc cgctCAGATAACATCTGCtgctttCAGATAACATCTGCtgatctCAGATAACATCTG Ctacgctcagataacatctgc
8071	DNA; Synthetic Construct	GCAGATGTTATCTGtgatctGCAGATGTTATCTGtacgctGCAGATGTTATCTGtgc cgctGCAGATGTTATCTGtgctttGCAGATGTTATCTGtgatctGCAGATGTTATCT Gtacgctgcagatgttatctg

8072	DNA; Synthetic Construct	CAGATAACATCTGTtgatctCAGATAACATCTGTtacgctCAGATAACATCTGTtgc cgctCAGATAACATCTGTtgctttCAGATAACATCTGTtgatctCAGATAACATCTG TtacgctCAGATAACATCTGT
8073	DNA; Synthetic Construct	ACAGATGTTATCTGtgatctACAGATGTTATCTGtacgctACAGATGTTATCTGtgc cgctACAGATGTTATCTGtgctttACAGATGTTATCTGtgatctACAGATGTTATCT GtacgctACAGATGTTATCTG
8074	DNA; Synthetic Construct	CAGATAATATCTAAtgatctCAGATAATATCTAAtacgctCAGATAATATCTAAtgc cgctCAGATAATATCTAAtgctttCAGATAATATCTAAtgatctCAGATAATATCTA AtacgctCAGATAATATCTAA
8075	DNA; Synthetic Construct	TTAGATATTATCTGtgatctTTAGATATTATCTGtacgctTTAGATATTATCTGtgc cgctTTAGATATTATCTGtgctttTTAGATATTATCTGtgatctTTAGATATTATCT GtacgctTTAGATATTATCTG
8076	DNA; Synthetic Construct	CAGATAATATCTACtgatctCAGATAATATCTACtacgctCAGATAATATCTACtgc cgctCAGATAATATCTACtgctttCAGATAATATCTACtgatctCAGATAATATCTA CtacgctCAGATAATATCTAC
8077	DNA; Synthetic Construct	GTAGATATTATCTGtgatctGTAGATATTATCTGtacgctGTAGATATTATCTGtgc cgctGTAGATATTATCTGtgctttGTAGATATTATCTGtgatctGTAGATATTATCT GtacgctGTAGATATTATCTG
8078	DNA; Synthetic Construct	CAGATAATATCTATtgatctCAGATAATATCTATtacgctCAGATAATATCTATtgc cgctCAGATAATATCTATtgctttCAGATAATATCTATtgatctCAGATAATATCTA TtacgctCAGATAATATCTAT
8079	DNA; Synthetic Construct	ATAGATATTATCTGtgatctATAGATATTATCTGtacgctATAGATATTATCTGtgc cgctATAGATATTATCTGtgctttATAGATATTATCTGtgatctATAGATATTATCT GtacgctATAGATATTATCTG
8080	DNA; Synthetic Construct	CAGATAATATCTCAtgatctCAGATAATATCTCAtacgctCAGATAATATCTCAtgc cgctCAGATAATATCTCAtgctttCAGATAATATCTCAtgatctCAGATAATATCTC AtacgctCAGATAATATCTCA
8081	DNA; Synthetic Construct	TGAGATATTATCTGtgatctTGAGATATTATCTGtacgctTGAGATATTATCTGtgc cgctTGAGATATTATCTGtgctttTGAGATATTATCTGtgatctTGAGATATTATCT GtacgctTGAGATATTATCTG
8082	DNA; Synthetic Construct	CAGATAATATCTCCtgatctCAGATAATATCTCCtacgctCAGATAATATCTCCtgc cgctCAGATAATATCTCCtgctttCAGATAATATCTCCtgatctCAGATAATATCTC CtacgctCAGATAATATCTCC
8083	DNA; Synthetic Construct	GGAGATATTATCTGtgatctGGAGATATTATCTGtacgctGGAGATATTATCTGtgc cgctGGAGATATTATCTGtgctttGGAGATATTATCTGtgatctGGAGATATTATCT GtacgctGGAGATATTATCTG
8084	DNA; Synthetic Construct	CAGATAATATCTCTtgatctCAGATAATATCTCTtacgctCAGATAATATCTCTtgc cgctCAGATAATATCTCTtgctttCAGATAATATCTCTtgatctCAGATAATATCTC TtacgctCAGATAATATCTCT
8085	DNA; Synthetic Construct	AGAGATATTATCTGtgatctAGAGATATTATCTGtacgctAGAGATATTATCTGtgc cgctAGAGATATTATCTGtgctttAGAGATATTATCTGtgatctAGAGATATTATCT GtacgctAGAGATATTATCTG
8086	DNA; Synthetic Construct	CAGATAATATCTGAtgatctCAGATAATATCTGAtacgctCAGATAATATCTGAtgc cgctCAGATAATATCTGAtgctttCAGATAATATCTGAtgatctCAGATAATATCTG AtacgctCAGATAATATCTGA
8087	DNA; Synthetic Construct	TCAGATATTATCTGtgatctTCAGATATTATCTGtacgctTCAGATATTATCTGtgc cgctTCAGATATTATCTGtgctttTCAGATATTATCTGtgatctTCAGATATTATCT GtacgctTCAGATATTATCTG
8088	DNA; Synthetic Construct	CAGATAATATCTGCtgatctCAGATAATATCTGCtacgctCAGATAATATCTGCtgc cgctCAGATAATATCTGCtgctttCAGATAATATCTGCtgatctCAGATAATATCTG CtacgctCAGATAATATCTGC
8089	DNA; Synthetic Construct	GCAGATATTATCTGtgatctGCAGATATTATCTGtacgctGCAGATATTATCTGtgc cgctGCAGATATTATCTGtgctttGCAGATATTATCTGtgatctGCAGATATTATCT GtacgctGCAGATATTATCTG

8090	DNA; Synthetic Construct	CAGATAATATCTGTtgatctCAGATAATATCTGTtacgctCAGATAATATCTGTtgc cgctCAGATAATATCTGTtgctttCAGATAATATCTGTtgatctCAGATAATATCTG TtacgctCAGATAATATCTGT
8091	DNA; Synthetic Construct	ACAGATATTATCTGtgatctACAGATATTATCTGtacgctACAGATATTATCTGtgc cgctACAGATATTATCTGtgctttACAGATATTATCTGtgatctACAGATATTATCT GtacgctACAGATATTATCTG
8092	DNA; Synthetic Construct	CAGATATCATCTAAtgatctCAGATATCATCTAAtacgctCAGATATCATCTAAtgc cgctCAGATATCATCTAAtgctttCAGATATCATCTAAtgatctCAGATATCATCTA AtacgctCAGATATCATCTAA
8093	DNA; Synthetic Construct	TTAGATGATATCTGtgatctTTAGATGATATCTGtacgctTTAGATGATATCTGtgc cgctTTAGATGATATCTGtgctttTTAGATGATATCTGtgatctTTAGATGATATCT GtacgctTTAGATGATATCTG
8094	DNA; Synthetic Construct	CAGATATCATCTACtgatctCAGATATCATCTACtacgctCAGATATCATCTACtgc cgctCAGATATCATCTACtgctttCAGATATCATCTACtgatctCAGATATCATCTA CtacgctCAGATATCATCTAC
8095	DNA; Synthetic Construct	GTAGATGATATCTGtgatctGTAGATGATATCTGtacgctGTAGATGATATCTGtgc cgctGTAGATGATATCTGtgctttGTAGATGATATCTGtgatctGTAGATGATATCT GtacgctGTAGATGATATCTG
8096	DNA; Synthetic Construct	CAGATATCATCTATtgatctCAGATATCATCTATtacgctCAGATATCATCTATtgc cgctCAGATATCATCTATtgctttCAGATATCATCTATtgatctCAGATATCATCTA TtacgctCAGATATCATCTAT
8097	DNA; Synthetic Construct	ATAGATGATATCTGtgatctATAGATGATATCTGtacgctATAGATGATATCTGtgc cgctATAGATGATATCTGtgctttATAGATGATATCTGtgatctATAGATGATATCT GtacgctATAGATGATATCTG
8098	DNA; Synthetic Construct	CAGATATCATCTCAtgatctCAGATATCATCTCAtacgctCAGATATCATCTCAtgc cgctCAGATATCATCTCAtgctttCAGATATCATCTCAtgatctCAGATATCATCTC AtacgctCAGATATCATCTCA
8099	DNA; Synthetic Construct	TGAGATGATATCTGtgatctTGAGATGATATCTGtacgctTGAGATGATATCTGtgc cgctTGAGATGATATCTGtgctttTGAGATGATATCTGtgatctTGAGATGATATCT GtacgctTGAGATGATATCTG
8100	DNA; Synthetic Construct	CAGATATCATCTCCtgatctCAGATATCATCTCCtacgctCAGATATCATCTCCtgc cgctCAGATATCATCTCCtgctttCAGATATCATCTCCtgatctCAGATATCATCTC CtacgctCAGATATCATCTCC
8101	DNA; Synthetic Construct	GGAGATGATATCTGtgatctGGAGATGATATCTGtacgctGGAGATGATATCTGtgc cgctGGAGATGATATCTGtgctttGGAGATGATATCTGtgatctGGAGATGATATCT GtacgctGGAGATGATATCTG
8102	DNA; Synthetic Construct	CAGATATCATCTCTtgatctCAGATATCATCTCTtacgctCAGATATCATCTCTtgc cgctCAGATATCATCTCTtgctttCAGATATCATCTCTtgatctCAGATATCATCTC TtacgctCAGATATCATCTCT
8103	DNA; Synthetic Construct	AGAGATGATATCTGtgatctAGAGATGATATCTGtacgctAGAGATGATATCTGtgc cgctAGAGATGATATCTGtgctttAGAGATGATATCTGtgatctAGAGATGATATCT GtacgctAGAGATGATATCTG
8104	DNA; Synthetic Construct	CAGATATCATCTGAtgatctCAGATATCATCTGAtacgctCAGATATCATCTGAtgc cgctCAGATATCATCTGAtgctttCAGATATCATCTGAtgatctCAGATATCATCTG AtacgctCAGATATCATCTGA
8105	DNA; Synthetic Construct	TCAGATGATATCTGtgatctTCAGATGATATCTGtacgctTCAGATGATATCTGtgc cgctTCAGATGATATCTGtgctttTCAGATGATATCTGtgatctTCAGATGATATCT GtacgctTCAGATGATATCTG
8106	DNA; Synthetic Construct	CAGATATCATCTGCtgatctCAGATATCATCTGCtacgctCAGATATCATCTGCtgc cgctCAGATATCATCTGCtgctttCAGATATCATCTGCtgatctCAGATATCATCTG CtacgctCAGATATCATCTGC
8107	DNA; Synthetic Construct	GCAGATGATATCTGtgatctGCAGATGATATCTGtacgctGCAGATGATATCTGtgc cgctGCAGATGATATCTGtgctttGCAGATGATATCTGtgatctGCAGATGATATCT GtacgctGCAGATGATATCTG

8108	DNA; Synthetic Construct	CAGATATCATCTGTtgatctCAGATATCATCTGTtacgctCAGATATCATCTGTtgc cgctCAGATATCATCTGTtgctttCAGATATCATCTGTtgatctCAGATATCATCTG TtacgctCAGATATCATCTGT
8109	DNA; Synthetic Construct	ACAGATGATATCTGtgatctACAGATGATATCTGtacgctACAGATGATATCTGtgc cgctACAGATGATATCTGtgctttACAGATGATATCTGtgatctACAGATGATATCT GtacgctACAGATGATATCTG
8110	DNA; Synthetic Construct	CAGATATTATCTAAtgatctCAGATATTATCTAAtacgctCAGATATTATCTAAtgc cgctCAGATATTATCTAAtgctttCAGATATTATCTAAtgatctCAGATATTATCTA AtacgctCAGATATTATCTAA
8111	DNA; Synthetic Construct	TTAGATAATATCTGtgatctTTAGATAATATCTGtacgctTTAGATAATATCTGtgc cgctTTAGATAATATCTGtgctttTTAGATAATATCTGtgatctTTAGATAATATCT GtacgctTTAGATAATATCTG
8112	DNA; Synthetic Construct	CAGATATTATCTACtgatctCAGATATTATCTACtacgctCAGATATTATCTACtgc cgctCAGATATTATCTACtgctttCAGATATTATCTACtgatctCAGATATTATCTA CtacgctCAGATATTATCTAC
8113	DNA; Synthetic Construct	GTAGATAATATCTGtgatctGTAGATAATATCTGtacgctGTAGATAATATCTGtgc cgctGTAGATAATATCTGtgctttGTAGATAATATCTGtgatctGTAGATAATATCT GtacgctGTAGATAATATCTG
8114	DNA; Synthetic Construct	CAGATATTATCTATtgatctCAGATATTATCTATtacgctCAGATATTATCTATtgc cgctCAGATATTATCTATtgctttCAGATATTATCTATtgatctCAGATATTATCTA TtacgctCAGATATTATCTAT
8115	DNA; Synthetic Construct	ATAGATAATATCTGtgatctATAGATAATATCTGtacgctATAGATAATATCTGtgc cgctATAGATAATATCTGtgctttATAGATAATATCTGtgatctATAGATAATATCT GtacgctATAGATAATATCTG
8116	DNA; Synthetic Construct	CAGATATTATCTCAtgatctCAGATATTATCTCAtacgctCAGATATTATCTCAtgc cgctCAGATATTATCTCAtgctttCAGATATTATCTCAtgatctCAGATATTATCTC AtacgctCAGATATTATCTCA
8117	DNA; Synthetic Construct	TGAGATAATATCTGtgatctTGAGATAATATCTGtacgctTGAGATAATATCTGtgc cgctTGAGATAATATCTGtgctttTGAGATAATATCTGtgatctTGAGATAATATCT GtacgctTGAGATAATATCTG
8118	DNA; Synthetic Construct	CAGATATTATCTCCtgatctCAGATATTATCTCCtacgctCAGATATTATCTCCtgc cgctCAGATATTATCTCCtgctttCAGATATTATCTCCtgatctCAGATATTATCTC CtacgctCAGATATTATCTCC
8119	DNA; Synthetic Construct	GGAGATAATATCTGtgatctGGAGATAATATCTGtacgctGGAGATAATATCTGtgc cgctGGAGATAATATCTGtgctttGGAGATAATATCTGtgatctGGAGATAATATCT GtacgctGGAGATAATATCTG
8120	DNA; Synthetic Construct	CAGATATTATCTCTtgatctCAGATATTATCTCTtacgctCAGATATTATCTCTtgc cgctCAGATATTATCTCTtgctttCAGATATTATCTCTtgatctCAGATATTATCTC TtacgctCAGATATTATCTCT
8121	DNA; Synthetic Construct	AGAGATAATATCTGtgatctAGAGATAATATCTGtacgctAGAGATAATATCTGtgc cgctAGAGATAATATCTGtgctttAGAGATAATATCTGtgatctAGAGATAATATCT GtacgctAGAGATAATATCTG
8122	DNA; Synthetic Construct	CAGATATTATCTGAtgatctCAGATATTATCTGAtacgctCAGATATTATCTGAtgc cgctCAGATATTATCTGAtgctttCAGATATTATCTGAtgatctCAGATATTATCTG AtacgctCAGATATTATCTGA
8123	DNA; Synthetic Construct	TCAGATAATATCTGtgatctTCAGATAATATCTGtacgctTCAGATAATATCTGtgc cgctTCAGATAATATCTGtgctttTCAGATAATATCTGtgatctTCAGATAATATCT GtacgctTCAGATAATATCTG
8124	DNA; Synthetic Construct	CAGATATTATCTGCtgatctCAGATATTATCTGCtacgctCAGATATTATCTGCtgc cgctCAGATATTATCTGCtgctttCAGATATTATCTGCtgatctCAGATATTATCTG CtacgctCAGATATTATCTGC
8125	DNA; Synthetic Construct	GCAGATAATATCTGtgatctGCAGATAATATCTGtacgctGCAGATAATATCTGtgc cgctGCAGATAATATCTGtgctttGCAGATAATATCTGtgatctGCAGATAATATCT GtacgctGCAGATAATATCTG

8126	DNA; Synthetic Construct	CAGATATTATCTGTtgatctCAGATATTATCTGTtacgctCAGATATTATCTGTtgc cgctCAGATATTATCTGTtgctttCAGATATTATCTGTtgatctCAGATATTATCTG TtacgctCAGATATTATCTGT
8127	DNA; Synthetic Construct	ACAGATAATATCTGtgatctACAGATAATATCTGtacgctACAGATAATATCTGtgc cgctACAGATAATATCTGtgctttACAGATAATATCTGtgatctACAGATAATATCT GtacgctACAGATAATATCTG
8128	DNA; Synthetic Construct	GAGATAACATCTAAtgatctGAGATAACATCTAAtacgctGAGATAACATCTAAtgc cgctGAGATAACATCTAAtgctttGAGATAACATCTAAtgatctGAGATAACATCTA AtacgctGAGATAACATCTAA
8129	DNA; Synthetic Construct	TTAGATGTTATCTCtgatctTTAGATGTTATCTCtacgctTTAGATGTTATCTCtgc cgctTTAGATGTTATCTCtgctttTTAGATGTTATCTCtgatctTTAGATGTTATCT CtacgctTTAGATGTTATCTC
8130	DNA; Synthetic Construct	GAGATAACATCTACtgatctGAGATAACATCTACtacgctGAGATAACATCTACtgc cgctGAGATAACATCTACtgctttGAGATAACATCTACtgatctGAGATAACATCTA CtacgctGAGATAACATCTAC
8131	DNA; Synthetic Construct	GTAGATGTTATCTCtgatctGTAGATGTTATCTCtacgctGTAGATGTTATCTCtgc cgctGTAGATGTTATCTCtgctttGTAGATGTTATCTCtgatctGTAGATGTTATCT CtacgctGTAGATGTTATCTC
8132	DNA; Synthetic Construct	GAGATAACATCTATtgatctGAGATAACATCTATtacgctGAGATAACATCTATtgc cgctGAGATAACATCTATtgctttGAGATAACATCTATtgatctGAGATAACATCTA TtacgctGAGATAACATCTAT
8133	DNA; Synthetic Construct	ATAGATGTTATCTCtgatctATAGATGTTATCTCtacgctATAGATGTTATCTCtgc cgctATAGATGTTATCTCtgctttATAGATGTTATCTCtgatctATAGATGTTATCT CtacgctATAGATGTTATCTC
8134	DNA; Synthetic Construct	GAGATAACATCTCAtgatctGAGATAACATCTCAtacgctGAGATAACATCTCAtgc cgctGAGATAACATCTCAtgctttGAGATAACATCTCAtgatctGAGATAACATCTC AtacgctGAGATAACATCTCA
8135	DNA; Synthetic Construct	TGAGATGTTATCTCtgatctTGAGATGTTATCTCtacgctTGAGATGTTATCTCtgc cgctTGAGATGTTATCTCtgctttTGAGATGTTATCTCtgatctTGAGATGTTATCT CtacgctTGAGATGTTATCTC
8136	DNA; Synthetic Construct	GAGATAACATCTCCtgatctGAGATAACATCTCCtacgctGAGATAACATCTCCtgc cgctGAGATAACATCTCCtgctttGAGATAACATCTCCtgatctGAGATAACATCTC CtacgctGAGATAACATCTCC
8137	DNA; Synthetic Construct	GGAGATGTTATCTCtgatctGGAGATGTTATCTCtacgctGGAGATGTTATCTCtgc cgctGGAGATGTTATCTCtgctttGGAGATGTTATCTCtgatctGGAGATGTTATCT CtacgctGGAGATGTTATCTC
8138	DNA; Synthetic Construct	GAGATAACATCTCTtgatctGAGATAACATCTCTtacgctGAGATAACATCTCTtgc cgctGAGATAACATCTCTtgctttGAGATAACATCTCTtgatctGAGATAACATCTC TtacgctGAGATAACATCTCT
8139	DNA; Synthetic Construct	AGAGATGTTATCTCtgatctAGAGATGTTATCTCtacgctAGAGATGTTATCTCtgc cgctAGAGATGTTATCTCtgctttAGAGATGTTATCTCtgatctAGAGATGTTATCT CtacgctAGAGATGTTATCTC
8140	DNA; Synthetic Construct	GAGATAACATCTGAtgatctGAGATAACATCTGAtacgctGAGATAACATCTGAtgc cgctGAGATAACATCTGAtgctttGAGATAACATCTGAtgatctGAGATAACATCTG AtacgctGAGATAACATCTGA
8141	DNA; Synthetic Construct	TCAGATGTTATCTCtgatctTCAGATGTTATCTCtacgctTCAGATGTTATCTCtgc cgctTCAGATGTTATCTCtgctttTCAGATGTTATCTCtgatctTCAGATGTTATCT CtacgctTCAGATGTTATCTC
8142	DNA; Synthetic Construct	GAGATAACATCTGCtgatctGAGATAACATCTGCtacgctGAGATAACATCTGCtgc cgctGAGATAACATCTGCtgctttGAGATAACATCTGCtgatctGAGATAACATCTG CtacgctGAGATAACATCTGC
8143	DNA; Synthetic Construct	GCAGATGTTATCTCtgatctGCAGATGTTATCTCtacgctGCAGATGTTATCTCtgc cgctGCAGATGTTATCTCtgctttGCAGATGTTATCTCtgatctGCAGATGTTATCT CtacgctGCAGATGTTATCTC

8144	DNA; Synthetic Construct	GAGATAACATCTGTtgatctGAGATAACATCTGTtacgctGAGATAACATCTGTtgc cgctGAGATAACATCTGTtgctttGAGATAACATCTGTtgatctGAGATAACATCTG TtacgctGAGATAACATCTGT
8145	DNA; Synthetic Construct	ACAGATGTTATCTCtgatctACAGATGTTATCTCtacgctACAGATGTTATCTCtgc cgctACAGATGTTATCTCtgctttACAGATGTTATCTCtgatctACAGATGTTATCT CtacgctACAGATGTTATCTC
8146	DNA; Synthetic Construct	GAGATAATATCTAAtgatctGAGATAATATCTAAtacgctGAGATAATATCTAAtgc cgctGAGATAATATCTAAtgctttGAGATAATATCTAAtgatctGAGATAATATCTA AtacgctGAGATAATATCTAA
8147	DNA; Synthetic Construct	TTAGATATTATCTCtgatctTTAGATATTATCTCtacgctTTAGATATTATCTCtgc cgctTTAGATATTATCTCtgctttTTAGATATTATCTCtgatctTTAGATATTATCT CtacgctTTAGATATTATCTC
8148	DNA; Synthetic Construct	GAGATAATATCTACtgatctGAGATAATATCTACtacgctGAGATAATATCTACtgc cgctGAGATAATATCTACtgctttGAGATAATATCTACtgatctGAGATAATATCTA CtacgctGAGATAATATCTAC
8149	DNA; Synthetic Construct	GTAGATATTATCTCtgatctGTAGATATTATCTCtacgctGTAGATATTATCTCtgc cgctGTAGATATTATCTCtgctttGTAGATATTATCTCtgatctGTAGATATTATCT CtacgctGTAGATATTATCTC
8150	DNA; Synthetic Construct	GAGATAATATCTATtgatctGAGATAATATCTATtacgctGAGATAATATCTATtgc cgctGAGATAATATCTATtgctttGAGATAATATCTATtgatctGAGATAATATCTA TtacgctGAGATAATATCTAT
8151	DNA; Synthetic Construct	ATAGATATTATCTCtgatctATAGATATTATCTCtacgctATAGATATTATCTCtgc cgctATAGATATTATCTCtgctttATAGATATTATCTCtgatctATAGATATTATCT CtacgctATAGATATTATCTC
8152	DNA; Synthetic Construct	GAGATAATATCTCAtgatctGAGATAATATCTCAtacgctGAGATAATATCTCAtgc cgctGAGATAATATCTCAtgctttGAGATAATATCTCAtgatctGAGATAATATCTC AtacgctGAGATAATATCTCA
8153	DNA; Synthetic Construct	TGAGATATTATCTCtgatctTGAGATATTATCTCtacgctTGAGATATTATCTCtgc cgctTGAGATATTATCTCtgctttTGAGATATTATCTCtgatctTGAGATATTATCT CtacgctTGAGATATTATCTC
8154	DNA; Synthetic Construct	GAGATAATATCTCCtgatctGAGATAATATCTCCtacgctGAGATAATATCTCCtgc cgctGAGATAATATCTCCtgctttGAGATAATATCTCCtgatctGAGATAATATCTC CtacgctGAGATAATATCTCC
8155	DNA; Synthetic Construct	GGAGATATTATCTCtgatctGGAGATATTATCTCtacgctGGAGATATTATCTCtgc cgctGGAGATATTATCTCtgctttGGAGATATTATCTCtgatctGGAGATATTATCT CtacgctGGAGATATTATCTC
8156	DNA; Synthetic Construct	GAGATAATATCTCTtgatctGAGATAATATCTCTtacgctGAGATAATATCTCTtgc cgctGAGATAATATCTCTtgctttGAGATAATATCTCTtgatctGAGATAATATCTC TtacgctGAGATAATATCTCT
8157	DNA; Synthetic Construct	AGAGATATTATCTCtgatctAGAGATATTATCTCtacgctAGAGATATTATCTCtgc cgctAGAGATATTATCTCtgctttAGAGATATTATCTCtgatctAGAGATATTATCT CtacgctAGAGATATTATCTC
8158	DNA; Synthetic Construct	GAGATAATATCTGAtgatctGAGATAATATCTGAtacgctGAGATAATATCTGAtgc cgctGAGATAATATCTGAtgctttGAGATAATATCTGAtgatctGAGATAATATCTG AtacgctGAGATAATATCTGA
8159	DNA; Synthetic Construct	TCAGATATTATCTCtgatctTCAGATATTATCTCtacgctTCAGATATTATCTCtgc cgctTCAGATATTATCTCtgctttTCAGATATTATCTCtgatctTCAGATATTATCT CtacgctTCAGATATTATCTC
8160	DNA; Synthetic Construct	GAGATAATATCTGCtgatctGAGATAATATCTGCtacgctGAGATAATATCTGCtgc cgctGAGATAATATCTGCtgctttGAGATAATATCTGCtgatctGAGATAATATCTG CtacgctGAGATAATATCTGC
8161	DNA; Synthetic Construct	GCAGATATTATCTCtgatctGCAGATATTATCTCtacgctGCAGATATTATCTCtgc cgctGCAGATATTATCTCtgctttGCAGATATTATCTCtgatctGCAGATATTATCT CtacgctGCAGATATTATCTC

8162	DNA; Synthetic Construct	GAGATAATATCTGTtgatctGAGATAATATCTGTtacgctGAGATAATATCTGTtgc cgctGAGATAATATCTGTtgctttGAGATAATATCTGTtgatctGAGATAATATCTG TtacgctGAGATAATATCTGT
8163	DNA; Synthetic Construct	ACAGATATTATCTCtgatctACAGATATTATCTCtacgctACAGATATTATCTCtgc cgctACAGATATTATCTCtgctttACAGATATTATCTCtgatctACAGATATTATCT CtacgctACAGATATTATCTC
8164	DNA; Synthetic Construct	GAGATATCATCTAAtgatctGAGATATCATCTAAtacgctGAGATATCATCTAAtgc cgctGAGATATCATCTAAtgctttGAGATATCATCTAAtgatctGAGATATCATCTA AtacgctGAGATATCATCTAA
8165	DNA; Synthetic Construct	TTAGATGATATCTCtgatctTTAGATGATATCTCtacgctTTAGATGATATCTCtgc cgctTTAGATGATATCTCtgctttTTAGATGATATCTCtgatctTTAGATGATATCT CtacgctTTAGATGATATCTC
8166	DNA; Synthetic Construct	GAGATATCATCTACtgatctGAGATATCATCTACtacgctGAGATATCATCTACtgc cgctGAGATATCATCTACtgctttGAGATATCATCTACtgatctGAGATATCATCTA CtacgctGAGATATCATCTAC
8167	DNA; Synthetic Construct	GTAGATGATATCTCtgatctGTAGATGATATCTCtacgctGTAGATGATATCTCtgc cgctGTAGATGATATCTCtgctttGTAGATGATATCTCtgatctGTAGATGATATCT CtacgctGTAGATGATATCTC
8168	DNA; Synthetic Construct	GAGATATCATCTATtgatctGAGATATCATCTATtacgctGAGATATCATCTATtgc cgctGAGATATCATCTATtgctttGAGATATCATCTATtgatctGAGATATCATCTA TtacgctGAGATATCATCTAT
8169	DNA; Synthetic Construct	ATAGATGATATCTCtgatctATAGATGATATCTCtacgctATAGATGATATCTCtgc cgctATAGATGATATCTCtgctttATAGATGATATCTCtgatctATAGATGATATCT CtacgctATAGATGATATCTC
8170	DNA; Synthetic Construct	GAGATATCATCTCAtgatctGAGATATCATCTCAtacgctGAGATATCATCTCAtgc cgctGAGATATCATCTCAtgctttGAGATATCATCTCAtgatctGAGATATCATCTC AtacgctGAGATATCATCTCA
8171	DNA; Synthetic Construct	TGAGATGATATCTCtgatctTGAGATGATATCTCtacgctTGAGATGATATCTCtgc cgctTGAGATGATATCTCtgctttTGAGATGATATCTCtgatctTGAGATGATATCT CtacgctTGAGATGATATCTC
8172	DNA; Synthetic Construct	GAGATATCATCTCCtgatctGAGATATCATCTCCtacgctGAGATATCATCTCCtgc cgctGAGATATCATCTCCtgctttGAGATATCATCTCCtgatctGAGATATCATCTC CtacgctGAGATATCATCTCC
8173	DNA; Synthetic Construct	GGAGATGATATCTCtgatctGGAGATGATATCTCtacgctGGAGATGATATCTCtgc cgctGGAGATGATATCTCtgctttGGAGATGATATCTCtgatctGGAGATGATATCT CtacgctGGAGATGATATCTC
8174	DNA; Synthetic Construct	GAGATATCATCTCTtgatctGAGATATCATCTCTtacgctGAGATATCATCTCTtgc cgctGAGATATCATCTCTtgctttGAGATATCATCTCTtgatctGAGATATCATCTC TtacgctGAGATATCATCTCT
8175	DNA; Synthetic Construct	AGAGATGATATCTCtgatctAGAGATGATATCTCtacgctAGAGATGATATCTCtgc cgctAGAGATGATATCTCtgctttAGAGATGATATCTCtgatctAGAGATGATATCT CtacgctAGAGATGATATCTC
8176	DNA; Synthetic Construct	GAGATATCATCTGAtgatctGAGATATCATCTGAtacgctGAGATATCATCTGAtgc cgctGAGATATCATCTGAtgctttGAGATATCATCTGAtgatctGAGATATCATCTG AtacgctGAGATATCATCTGA
8177	DNA; Synthetic Construct	TCAGATGATATCTCtgatctTCAGATGATATCTCtacgctTCAGATGATATCTCtgc cgctTCAGATGATATCTCtgctttTCAGATGATATCTCtgatctTCAGATGATATCT CtacgctTCAGATGATATCTC
8178	DNA; Synthetic Construct	GAGATATCATCTGCtgatctGAGATATCATCTGCtacgctGAGATATCATCTGCtgc cgctGAGATATCATCTGCtgctttGAGATATCATCTGCtgatctGAGATATCATCTG CtacgctGAGATATCATCTGC
8179	DNA; Synthetic Construct	GCAGATGATATCTCtgatctGCAGATGATATCTCtacgctGCAGATGATATCTCtgc cgctGCAGATGATATCTCtgctttGCAGATGATATCTCtgatctGCAGATGATATCT CtacgctGCAGATGATATCTC

8180	DNA; Synthetic Construct	GAGATATCATCTGTtgatctGAGATATCATCTGTtacgctGAGATATCATCTGTtgc cgctGAGATATCATCTGTtgctttGAGATATCATCTGTtgatctGAGATATCATCTG TtacgctGAGATATCATCTGT
8181	DNA; Synthetic Construct	ACAGATGATATCTCTgatctACAGATGATATCTCTacgctACAGATGATATCTCTgc cgctACAGATGATATCTCTgctttACAGATGATATCTCTgatctACAGATGATATCT CtacgctACAGATGATATCTC
8182	DNA; Synthetic Construct	GAGATATTATCTAAtgatctGAGATATTATCTAAtacgctGAGATATTATCTAAtgc cgctGAGATATTATCTAAtgctttGAGATATTATCTAAtgatctGAGATATTATCTA AtacgctGAGATATTATCTAA
8183	DNA; Synthetic Construct	TTAGATAATATCTCTgatctTTAGATAATATCTCTacgctTTAGATAATATCTCTgc cgctTTAGATAATATCTCTgctttTTAGATAATATCTCTgatctTTAGATAATATCT CtacgctTTAGATAATATCTC
8184	DNA; Synthetic Construct	GAGATATTATCTACtgatctGAGATATTATCTACtacgctGAGATATTATCTACtgc cgctGAGATATTATCTACtgctttGAGATATTATCTACtgatctGAGATATTATCTA CtacgctGAGATATTATCTAC
8185	DNA; Synthetic Construct	GTAGATAATATCTCTgatctGTAGATAATATCTCTacgctGTAGATAATATCTCTgc cgctGTAGATAATATCTCTgctttGTAGATAATATCTCTgatctGTAGATAATATCT CtacgctGTAGATAATATCTC
8186	DNA; Synthetic Construct	GAGATATTATCTATtgatctGAGATATTATCTATtacgctGAGATATTATCTATtgc cgctGAGATATTATCTATtgctttGAGATATTATCTATtgatctGAGATATTATCTA TtacgctGAGATATTATCTAT
8187	DNA; Synthetic Construct	ATAGATAATATCTCTgatctATAGATAATATCTCTacgctATAGATAATATCTCTgc cgctATAGATAATATCTCTgctttATAGATAATATCTCTgatctATAGATAATATCT CtacgctATAGATAATATCTC
8188	DNA; Synthetic Construct	GAGATATTATCTCAtgatctGAGATATTATCTCAtacgctGAGATATTATCTCAtgc cgctGAGATATTATCTCAtgctttGAGATATTATCTCAtgatctGAGATATTATCTC AtacgctGAGATATTATCTCA
8189	DNA; Synthetic Construct	TGAGATAATATCTCTgatctTGAGATAATATCTCTacgctTGAGATAATATCTCTgc cgctTGAGATAATATCTCTgctttTGAGATAATATCTCTgatctTGAGATAATATCT CtacgctTGAGATAATATCTC
8190	DNA; Synthetic Construct	GAGATATTATCTCCtgatctGAGATATTATCTCCtacgctGAGATATTATCTCCtgc cgctGAGATATTATCTCCtgctttGAGATATTATCTCCtgatctGAGATATTATCTC CtacgctGAGATATTATCTCC
8191	DNA; Synthetic Construct	GGAGATAATATCTCTgatctGGAGATAATATCTCTacgctGGAGATAATATCTCTgc cgctGGAGATAATATCTCTgctttGGAGATAATATCTCTgatctGGAGATAATATCT CtacgctGGAGATAATATCTC
8192	DNA; Synthetic Construct	GAGATATTATCTCTtgatctGAGATATTATCTCTtacgctGAGATATTATCTCTtgc cgctGAGATATTATCTCTtgctttGAGATATTATCTCTtgatctGAGATATTATCTC TtacgctGAGATATTATCTCT
8193	DNA; Synthetic Construct	AGAGATAATATCTCTgatctAGAGATAATATCTCTacgctAGAGATAATATCTCTgc cgctAGAGATAATATCTCTgctttAGAGATAATATCTCTgatctAGAGATAATATCT CtacgctAGAGATAATATCTC
8194	DNA; Synthetic Construct	GAGATATTATCTGAtgatctGAGATATTATCTGAtacgctGAGATATTATCTGAtgc cgctGAGATATTATCTGAtgctttGAGATATTATCTGAtgatctGAGATATTATCTG AtacgctGAGATATTATCTGA
8195	DNA; Synthetic Construct	TCAGATAATATCTCTgatctTCAGATAATATCTCTacgctTCAGATAATATCTCTgc cgctTCAGATAATATCTCTgctttTCAGATAATATCTCTgatctTCAGATAATATCT CtacgctTCAGATAATATCTC
8196	DNA; Synthetic Construct	GAGATATTATCTGCtgatctGAGATATTATCTGCtacgctGAGATATTATCTGCtgc cgctGAGATATTATCTGCtgctttGAGATATTATCTGCtgatctGAGATATTATCTG CtacgctGAGATATTATCTGC
8197	DNA; Synthetic Construct	GCAGATAATATCTCTgatctGCAGATAATATCTCTacgctGCAGATAATATCTCTgc cgctGCAGATAATATCTCTgctttGCAGATAATATCTCTgatctGCAGATAATATCT CtacgctGCAGATAATATCTC

8198	DNA; Synthetic Construct	GAGATATTATCTGTtgatctGAGATATTATCTGTtacgctGAGATATTATCTGTtgc cgctGAGATATTATCTGTtgctttGAGATATTATCTGTtgatctGAGATATTATCTG TtacgctGAGATATTATCTGT
8199	DNA; Synthetic Construct	ACAGATAATATCTCtgatctACAGATAATATCTCtacgctACAGATAATATCTCtgc cgctACAGATAATATCTCtgctttACAGATAATATCTCtgatctACAGATAATATCT CtacgctACAGATAATATCTC
8200	DNA; Synthetic Construct	TAGATAACATCTAAtgatctTAGATAACATCTAAtacgctTAGATAACATCTAAtgc cgctTAGATAACATCTAAtgctttTAGATAACATCTAAtgatctTAGATAACATCTA AtacgctTAGATAACATCTAA
8201	DNA; Synthetic Construct	TTAGATGTTATCTAtgatctTTAGATGTTATCTAtacgctTTAGATGTTATCTAtgc cgctTTAGATGTTATCTAtgctttTTAGATGTTATCTAtgatctTTAGATGTTATCT AtacgctTTAGATGTTATCTA
8202	DNA; Synthetic Construct	TAGATAACATCTACtgatctTAGATAACATCTACtacgctTAGATAACATCTACtgc cgctTAGATAACATCTACtgctttTAGATAACATCTACtgatctTAGATAACATCTA CtacgctTAGATAACATCTAC
8203	DNA; Synthetic Construct	GTAGATGTTATCTAtgatctGTAGATGTTATCTAtacgctGTAGATGTTATCTAtgc cgctGTAGATGTTATCTAtgctttGTAGATGTTATCTAtgatctGTAGATGTTATCT AtacgctGTAGATGTTATCTA
8204	DNA; Synthetic Construct	TAGATAACATCTATtgatctTAGATAACATCTATtacgctTAGATAACATCTATtgc cgctTAGATAACATCTATtgctttTAGATAACATCTATtgatctTAGATAACATCTA TtacgctTAGATAACATCTAT
8205	DNA; Synthetic Construct	ATAGATGTTATCTAtgatctATAGATGTTATCTAtacgctATAGATGTTATCTAtgc cgctATAGATGTTATCTAtgctttATAGATGTTATCTAtgatctATAGATGTTATCT AtacgctATAGATGTTATCTA
8206	DNA; Synthetic Construct	TAGATAACATCTCAtgatctTAGATAACATCTCAtacgctTAGATAACATCTCAtgc cgctTAGATAACATCTCAtgctttTAGATAACATCTCAtgatctTAGATAACATCTC AtacgctTAGATAACATCTCA
8207	DNA; Synthetic Construct	TGAGATGTTATCTAtgatctTGAGATGTTATCTAtacgctTGAGATGTTATCTAtgc cgctTGAGATGTTATCTAtgctttTGAGATGTTATCTAtgatctTGAGATGTTATCT AtacgctTGAGATGTTATCTA
8208	DNA; Synthetic Construct	TAGATAACATCTCCtgatctTAGATAACATCTCCtacgctTAGATAACATCTCCtgc cgctTAGATAACATCTCCtgctttTAGATAACATCTCCtgatctTAGATAACATCTC CtacgctTAGATAACATCTCC
8209	DNA; Synthetic Construct	GGAGATGTTATCTAtgatctGGAGATGTTATCTAtacgctGGAGATGTTATCTAtgc cgctGGAGATGTTATCTAtgctttGGAGATGTTATCTAtgatctGGAGATGTTATCT AtacgctGGAGATGTTATCTA
8210	DNA; Synthetic Construct	TAGATAACATCTCTtgatctTAGATAACATCTCTtacgctTAGATAACATCTCTtgc cgctTAGATAACATCTCTtgctttTAGATAACATCTCTtgatctTAGATAACATCTC TtacgctTAGATAACATCTCT
8211	DNA; Synthetic Construct	AGAGATGTTATCTAtgatctAGAGATGTTATCTAtacgctAGAGATGTTATCTAtgc cgctAGAGATGTTATCTAtgctttAGAGATGTTATCTAtgatctAGAGATGTTATCT AtacgctAGAGATGTTATCTA
8212	DNA; Synthetic Construct	TAGATAACATCTGAtgatctTAGATAACATCTGAtacgctTAGATAACATCTGAtgc cgctTAGATAACATCTGAtgctttTAGATAACATCTGAtgatctTAGATAACATCTG AtacgctTAGATAACATCTGA
8213	DNA; Synthetic Construct	TCAGATGTTATCTAtgatctTCAGATGTTATCTAtacgctTCAGATGTTATCTAtgc cgctTCAGATGTTATCTAtgctttTCAGATGTTATCTAtgatctTCAGATGTTATCT AtacgctTCAGATGTTATCTA
8214	DNA; Synthetic Construct	TAGATAACATCTGCtgatctTAGATAACATCTGCtacgctTAGATAACATCTGCtgc cgctTAGATAACATCTGCtgctttTAGATAACATCTGCtgatctTAGATAACATCTG CtacgctTAGATAACATCTGC
8215	DNA; Synthetic Construct	GCAGATGTTATCTAtgatctGCAGATGTTATCTAtacgctGCAGATGTTATCTAtgc cgctGCAGATGTTATCTAtgctttGCAGATGTTATCTAtgatctGCAGATGTTATCT AtacgctGCAGATGTTATCTA

8216	DNA; Synthetic Construct	TAGATAACATCTGTtgatctTAGATAACATCTGTtacgctTAGATAACATCTGTtgc cgctTAGATAACATCTGTtgctttTAGATAACATCTGTtgatctTAGATAACATCTG TtacgctTAGATAACATCTGT
8217	DNA; Synthetic Construct	ACAGATGTTATCTAtgatctACAGATGTTATCTAtacgctACAGATGTTATCTAtgc cgctACAGATGTTATCTAtgctttACAGATGTTATCTAtgatctACAGATGTTATCT AtacgctACAGATGTTATCTA
8218	DNA; Synthetic Construct	TAGATAATATCTAAtgatctTAGATAATATCTAAtacgctTAGATAATATCTAAtgc cgctTAGATAATATCTAAtgctttTAGATAATATCTAAtgatctTAGATAATATCTA AtacgctTAGATAATATCTAA
8219	DNA; Synthetic Construct	TTAGATATTATCTAtgatctTTAGATATTATCTAtacgctTTAGATATTATCTAtgc cgctTTAGATATTATCTAtgctttTTAGATATTATCTAtgatctTTAGATATTATCT AtacgctTTAGATATTATCTA
8220	DNA; Synthetic Construct	TAGATAATATCTACtgatctTAGATAATATCTACtacgctTAGATAATATCTACtgc cgctTAGATAATATCTACtgctttTAGATAATATCTACtgatctTAGATAATATCTA CtacgctTAGATAATATCTAC
8221	DNA; Synthetic Construct	GTAGATATTATCTAtgatctGTAGATATTATCTAtacgctGTAGATATTATCTAtgc cgctGTAGATATTATCTAtgctttGTAGATATTATCTAtgatctGTAGATATTATCT AtacgctGTAGATATTATCTA
8222	DNA; Synthetic Construct	TAGATAATATCTATtgatctTAGATAATATCTATtacgctTAGATAATATCTATtgc cgctTAGATAATATCTATtgctttTAGATAATATCTATtgatctTAGATAATATCTA TtacgctTAGATAATATCTAT
8223	DNA; Synthetic Construct	ATAGATATTATCTAtgatctATAGATATTATCTAtacgctATAGATATTATCTAtgc cgctATAGATATTATCTAtgctttATAGATATTATCTAtgatctATAGATATTATCT AtacgctATAGATATTATCTA
8224	DNA; Synthetic Construct	TAGATAATATCTCAtgatctTAGATAATATCTCAtacgctTAGATAATATCTCAtgc cgctTAGATAATATCTCAtgctttTAGATAATATCTCAtgatctTAGATAATATCTC AtacgctTAGATAATATCTCA
8225	DNA; Synthetic Construct	TGAGATATTATCTAtgatctTGAGATATTATCTAtacgctTGAGATATTATCTAtgc cgctTGAGATATTATCTAtgctttTGAGATATTATCTAtgatctTGAGATATTATCT AtacgctTGAGATATTATCTA
8226	DNA; Synthetic Construct	TAGATAATATCTCCtgatctTAGATAATATCTCCtacgctTAGATAATATCTCCtgc cgctTAGATAATATCTCCtgctttTAGATAATATCTCCtgatctTAGATAATATCTC CtacgctTAGATAATATCTCC
8227	DNA; Synthetic Construct	GGAGATATTATCTAtgatctGGAGATATTATCTAtacgctGGAGATATTATCTAtgc cgctGGAGATATTATCTAtgctttGGAGATATTATCTAtgatctGGAGATATTATCT AtacgctGGAGATATTATCTA
8228	DNA; Synthetic Construct	TAGATAATATCTCTtgatctTAGATAATATCTCTtacgctTAGATAATATCTCTtgc cgctTAGATAATATCTCTtgctttTAGATAATATCTCTtgatctTAGATAATATCTC TtacgctTAGATAATATCTCT
8229	DNA; Synthetic Construct	AGAGATATTATCTAtgatctAGAGATATTATCTAtacgctAGAGATATTATCTAtgc cgctAGAGATATTATCTAtgctttAGAGATATTATCTAtgatctAGAGATATTATCT AtacgctAGAGATATTATCTA
8230	DNA; Synthetic Construct	TAGATAATATCTGAtgatctTAGATAATATCTGAtacgctTAGATAATATCTGAtgc cgctTAGATAATATCTGAtgctttTAGATAATATCTGAtgatctTAGATAATATCTG AtacgctTAGATAATATCTGA
8231	DNA; Synthetic Construct	TCAGATATTATCTAtgatctTCAGATATTATCTAtacgctTCAGATATTATCTAtgc cgctTCAGATATTATCTAtgctttTCAGATATTATCTAtgatctTCAGATATTATCT AtacgctTCAGATATTATCTA
8232	DNA; Synthetic Construct	TAGATAATATCTGCtgatctTAGATAATATCTGCtacgctTAGATAATATCTGCtgc cgctTAGATAATATCTGCtgctttTAGATAATATCTGCtgatctTAGATAATATCTG CtacgctTAGATAATATCTGC
8233	DNA; Synthetic Construct	GCAGATATTATCTAtgatctGCAGATATTATCTAtacgctGCAGATATTATCTAtgc cgctGCAGATATTATCTAtgctttGCAGATATTATCTAtgatctGCAGATATTATCT AtacgctGCAGATATTATCTA

8234	DNA; Synthetic Construct	TAGATAATATCTGTtgatctTAGATAATATCTGTtacgctTAGATAATATCTGTtgc cgctTAGATAATATCTGTtgctttTAGATAATATCTGTtgatctTAGATAATATCTG TtacgctTAGATAATATCTGT
8235	DNA; Synthetic Construct	ACAGATATTATCTAtgatctACAGATATTATCTAtacgctACAGATATTATCTAtgc cgctACAGATATTATCTAtgctttACAGATATTATCTAtgatctACAGATATTATCT AtacgctACAGATATTATCTA
8236	DNA; Synthetic Construct	TAGATATCATCTAAtgatctTAGATATCATCTAAtacgctTAGATATCATCTAAtgc cgctTAGATATCATCTAAtgctttTAGATATCATCTAAtgatctTAGATATCATCTA AtacgctTAGATATCATCTAA
8237	DNA; Synthetic Construct	TTAGATGATATCTAtgatctTTAGATGATATCTAtacgctTTAGATGATATCTAtgc cgctTTAGATGATATCTAtgctttTTAGATGATATCTAtgatctTTAGATGATATCT AtacgctTTAGATGATATCTA
8238	DNA; Synthetic Construct	TAGATATCATCTACtgatctTAGATATCATCTACtacgctTAGATATCATCTACtgc cgctTAGATATCATCTACtgctttTAGATATCATCTACtgatctTAGATATCATCTA CtacgctTAGATATCATCTAC
8239	DNA; Synthetic Construct	GTAGATGATATCTAtgatctGTAGATGATATCTAtacgctGTAGATGATATCTAtgc cgctGTAGATGATATCTAtgctttGTAGATGATATCTAtgatctGTAGATGATATCT AtacgctGTAGATGATATCTA
8240	DNA; Synthetic Construct	TAGATATCATCTATtgatctTAGATATCATCTATtacgctTAGATATCATCTATtgc cgctTAGATATCATCTATtgctttTAGATATCATCTATtgatctTAGATATCATCTA TtacgctTAGATATCATCTAT
8241	DNA; Synthetic Construct	ATAGATGATATCTAtgatctATAGATGATATCTAtacgctATAGATGATATCTAtgc cgctATAGATGATATCTAtgctttATAGATGATATCTAtgatctATAGATGATATCT AtacgctATAGATGATATCTA
8242	DNA; Synthetic Construct	TAGATATCATCTCAtgatctTAGATATCATCTCAtacgctTAGATATCATCTCAtgc cgctTAGATATCATCTCAtgctttTAGATATCATCTCAtgatctTAGATATCATCTC AtacgctTAGATATCATCTCA
8243	DNA; Synthetic Construct	TGAGATGATATCTAtgatctTGAGATGATATCTAtacgctTGAGATGATATCTAtgc cgctTGAGATGATATCTAtgctttTGAGATGATATCTAtgatctTGAGATGATATCT AtacgctTGAGATGATATCTA
8244	DNA; Synthetic Construct	TAGATATCATCTCCtgatctTAGATATCATCTCCtacgctTAGATATCATCTCCtgc cgctTAGATATCATCTCCtgctttTAGATATCATCTCCtgatctTAGATATCATCTC CtacgctTAGATATCATCTCC
8245	DNA; Synthetic Construct	GGAGATGATATCTAtgatctGGAGATGATATCTAtacgctGGAGATGATATCTAtgc cgctGGAGATGATATCTAtgctttGGAGATGATATCTAtgatctGGAGATGATATCT AtacgctGGAGATGATATCTA
8246	DNA; Synthetic Construct	TAGATATCATCTCTtgatctTAGATATCATCTCTtacgctTAGATATCATCTCTtgc cgctTAGATATCATCTCTtgctttTAGATATCATCTCTtgatctTAGATATCATCTC TtacgctTAGATATCATCTCT
8247	DNA; Synthetic Construct	AGAGATGATATCTAtgatctAGAGATGATATCTAtacgctAGAGATGATATCTAtgc cgctAGAGATGATATCTAtgctttAGAGATGATATCTAtgatctAGAGATGATATCT AtacgctAGAGATGATATCTA
8248	DNA; Synthetic Construct	TAGATATCATCTGAtgatctTAGATATCATCTGAtacgctTAGATATCATCTGAtgc cgctTAGATATCATCTGAtgctttTAGATATCATCTGAtgatctTAGATATCATCTG AtacgctTAGATATCATCTGA
8249	DNA; Synthetic Construct	TCAGATGATATCTAtgatctTCAGATGATATCTAtacgctTCAGATGATATCTAtgc cgctTCAGATGATATCTAtgctttTCAGATGATATCTAtgatctTCAGATGATATCT AtacgctTCAGATGATATCTA
8250	DNA; Synthetic Construct	TAGATATCATCTGCtgatctTAGATATCATCTGCtacgctTAGATATCATCTGCtgc cgctTAGATATCATCTGCtgctttTAGATATCATCTGCtgatctTAGATATCATCTG CtacgctTAGATATCATCTGC
8251	DNA; Synthetic Construct	GCAGATGATATCTAtgatctGCAGATGATATCTAtacgctGCAGATGATATCTAtgc cgctGCAGATGATATCTAtgctttGCAGATGATATCTAtgatctGCAGATGATATCT AtacgctGCAGATGATATCTA

8252	DNA; Synthetic Construct	TAGATATCATCTGTtgatctTAGATATCATCTGTtacgctTAGATATCATCTGTtgc cgctTAGATATCATCTGTtgctttTAGATATCATCTGTtgatctTAGATATCATCTG TtacgctTAGATATCATCTGT
8253	DNA; Synthetic Construct	ACAGATGATATCTAtgatctACAGATGATATCTAtacgctACAGATGATATCTAtgc cgctACAGATGATATCTAtgctttACAGATGATATCTAtgatctACAGATGATATCT AtacgctACAGATGATATCTA
8254	DNA; Synthetic Construct	TAGATATTATCTAAtgatctTAGATATTATCTAAtacgctTAGATATTATCTAAtgc cgctTAGATATTATCTAAtgctttTAGATATTATCTAAtgatctTAGATATTATCTA AtacgctTAGATATTATCTAA
8255	DNA; Synthetic Construct	TTAGATAATATCTAtgatctTTAGATAATATCTAtacgctTTAGATAATATCTAtgc cgctTTAGATAATATCTAtgctttTTAGATAATATCTAtgatctTTAGATAATATCT AtacgctTTAGATAATATCTA
8256	DNA; Synthetic Construct	TAGATATTATCTACtgatctTAGATATTATCTACtacgctTAGATATTATCTACtgc cgctTAGATATTATCTACtgctttTAGATATTATCTACtgatctTAGATATTATCTA CtacgctTAGATATTATCTAC
8257	DNA; Synthetic Construct	GTAGATAATATCTAtgatctGTAGATAATATCTAtacgctGTAGATAATATCTAtgc cgctGTAGATAATATCTAtgctttGTAGATAATATCTAtgatctGTAGATAATATCT AtacgctGTAGATAATATCTA
8258	DNA; Synthetic Construct	TAGATATTATCTATtgatctTAGATATTATCTATtacgctTAGATATTATCTATtgc cgctTAGATATTATCTATtgctttTAGATATTATCTATtgatctTAGATATTATCTA TtacgctTAGATATTATCTAT
8259	DNA; Synthetic Construct	ATAGATAATATCTAtgatctATAGATAATATCTAtacgctATAGATAATATCTAtgc cgctATAGATAATATCTAtgctttATAGATAATATCTAtgatctATAGATAATATCT AtacgctATAGATAATATCTA
8260	DNA; Synthetic Construct	TAGATATTATCTCAtgatctTAGATATTATCTCAtacgctTAGATATTATCTCAtgc cgctTAGATATTATCTCAtgctttTAGATATTATCTCAtgatctTAGATATTATCTC AtacgctTAGATATTATCTCA
8261	DNA; Synthetic Construct	TGAGATAATATCTAtgatctTGAGATAATATCTAtacgctTGAGATAATATCTAtgc cgctTGAGATAATATCTAtgctttTGAGATAATATCTAtgatctTGAGATAATATCT AtacgctTGAGATAATATCTA
8262	DNA; Synthetic Construct	TAGATATTATCTCCtgatctTAGATATTATCTCCtacgctTAGATATTATCTCCtgc cgctTAGATATTATCTCCtgctttTAGATATTATCTCCtgatctTAGATATTATCTC CtacgctTAGATATTATCTCC
8263	DNA; Synthetic Construct	GGAGATAATATCTAtgatctGGAGATAATATCTAtacgctGGAGATAATATCTAtgc cgctGGAGATAATATCTAtgctttGGAGATAATATCTAtgatctGGAGATAATATCT AtacgctGGAGATAATATCTA
8264	DNA; Synthetic Construct	TAGATATTATCTCTtgatctTAGATATTATCTCTtacgctTAGATATTATCTCTtgc cgctTAGATATTATCTCTtgctttTAGATATTATCTCTtgatctTAGATATTATCTC TtacgctTAGATATTATCTCT
8265	DNA; Synthetic Construct	AGAGATAATATCTAtgatctAGAGATAATATCTAtacgctAGAGATAATATCTAtgc cgctAGAGATAATATCTAtgctttAGAGATAATATCTAtgatctAGAGATAATATCT AtacgctAGAGATAATATCTA
8266	DNA; Synthetic Construct	TAGATATTATCTGAtgatctTAGATATTATCTGAtacgctTAGATATTATCTGAtgc cgctTAGATATTATCTGAtgctttTAGATATTATCTGAtgatctTAGATATTATCTG AtacgctTAGATATTATCTGA
8267	DNA; Synthetic Construct	TCAGATAATATCTAtgatctTCAGATAATATCTAtacgctTCAGATAATATCTAtgc cgctTCAGATAATATCTAtgctttTCAGATAATATCTAtgatctTCAGATAATATCT AtacgctTCAGATAATATCTA
8268	DNA; Synthetic Construct	TAGATATTATCTGCtgatctTAGATATTATCTGCtacgctTAGATATTATCTGCtgc cgctTAGATATTATCTGCtgctttTAGATATTATCTGCtgatctTAGATATTATCTG CtacgctTAGATATTATCTGC
8269	DNA; Synthetic Construct	GCAGATAATATCTAtgatctGCAGATAATATCTAtacgctGCAGATAATATCTAtgc cgctGCAGATAATATCTAtgctttGCAGATAATATCTAtgatctGCAGATAATATCT AtacgctGCAGATAATATCTA

8270	DNA; Synthetic Construct	TAGATATTATCTGTtgatctTAGATATTATCTGTtacgctTAGATATTATCTGTtgc cgctTAGATATTATCTGTtgctttTAGATATTATCTGTtgatctTAGATATTATCTG TtacgctTAGATATTATCTGT
8271	DNA; Synthetic Construct	ACAGATAATATCTAtgatctACAGATAATATCTAtacgctACAGATAATATCTAtgc cgctACAGATAATATCTAtgctttACAGATAATATCTAtgatctACAGATAATATCT AtacgctACAGATAATATCTA
8272	DNA; Synthetic Construct	ACTTCCtgctttACTTCCtgatctACTTCCtacgctACTTCCtgccgctACTTCCtg ctttACTTCCtgatctACTTCCtacgctACTTCCtgccgctACTTCCtgctttACTT CCtgatctACTTCCtacgctACTTCC
8273	DNA; Synthetic Construct	GGAAGTtgctttGGAAGTtgatctGGAAGTtacgctGGAAGTtgccgctGGAAGTtg ctttGGAAGTtgatctGGAAGTtacgctGGAAGTtgccgctGGAAGTtgctttGGAA GTtgatctGGAAGTtacgctGGAAGT
8274	DNA; Synthetic Construct	ATTTCCtgctttATTTCCtgatctATTTCCtacgctATTTCCtgccgctATTTCCtg ctttATTTCCtgatctATTTCCtacgctATTTCCtgccgctATTTCCtgctttATTT CCtgatctATTTCCtacgctATTTCC
8275	DNA; Synthetic Construct	GGAAATtgctttGGAAATtgatctGGAAATtacgctGGAAATtgccgctGGAAATtg ctttGGAAATtgatctGGAAATtacgctGGAAATtgccgctGGAAATtgctttGGAA ATtgatctGGAAATtacgctGGAAAT
8276	DNA; Synthetic Construct	GTCACGTGtacgctGTCACGTGtgccgctGTCACGTGtgctttGTCACGTGtgatct GTCACGTGtacgctGTCACGTGtgccgctGTCACGTGtgctttGTCACGTGtgatct GTCACGTGtacgctGTCACGTG
8277	DNA; Synthetic Construct	CACGTGACtacgctCACGTGACtgccgctCACGTGACtgctttCACGTGACtgatct CACGTGACtacgctCACGTGACtgccgctCACGTGACtgctttCACGTGACtgatct CACGTGACtacgctCACGTGAC
8278	DNA; Synthetic Construct	CTGTGCATTTTTTtgctttCTGTGCATTTTTTtgatctCTGTGCATTTTTTtacgct CTGTGCATTTTTTtgccgctCTGTGCATTTTTTtgctttCTGTGCATTTTTTtgatc tCTGTGCATTTTTTtacgctCTGTGCATTTTTT
8279	DNA; Synthetic Construct	AAAAAATGCACAGtgctttAAAAAATGCACAGtgatctAAAAAATGCACAGtacgct AAAAAATGCACAGtgccgctAAAAAATGCACAGtgctttAAAAAATGCACAGtgatc tAAAAAATGCACAGtacgctAAAAAATGCACAG
8280	DNA; Synthetic Construct	TTGTGCATTTTTTtgctttTTGTGCATTTTTTtgatctTTGTGCATTTTTTtacgct TTGTGCATTTTTTtgccgctTTGTGCATTTTTTtgctttTTGTGCATTTTTTtgatc tTTGTGCATTTTTTtacgctTTGTGCATTTTTT
8281	DNA; Synthetic Construct	AAAAAATGCACAAtgctttAAAAAATGCACAAtgatctAAAAAATGCACAAtacgct AAAAAATGCACAAtgccgctAAAAAATGCACAAtgctttAAAAAATGCACAAtgatc tAAAAAATGCACAAtacgctAAAAAATGCACAA
8282	DNA; Synthetic Construct	CCGAAACCGAAACCtgatctCCGAAACCGAAACCtacgctCCGAAACCGAAACCtgc cgctCCGAAACCGAAACCtgctttCCGAAACCGAAACCtgatctCCGAAACCGAAAC CtacgctCCGAAACCGAAACC
8283	DNA; Synthetic Construct	GGTTTCGGTTTCGGtgatctGGTTTCGGTTTCGGtacgctGGTTTCGGTTTCGGtgc cgctGGTTTCGGTTTCGGtgctttGGTTTCGGTTTCGGtgatctGGTTTCGGTTTCG GtacgctGGTTTCGGTTTCGG
8284	DNA; Synthetic Construct	CCGAAACCGAAACTtgatctCCGAAACCGAAACTtacgctCCGAAACCGAAACTtgc cgctCCGAAACCGAAACTtgctttCCGAAACCGAAACTtgatctCCGAAACCGAAAC TtacgctCCGAAACCGAAACT
8285	DNA; Synthetic Construct	AGTTTCGGTTTCGGtgatctAGTTTCGGTTTCGGtacgctAGTTTCGGTTTCGGtgc cgctAGTTTCGGTTTCGGtgctttAGTTTCGGTTTCGGtgatctAGTTTCGGTTTCG GtacgctAGTTTCGGTTTCGG
8286	DNA; Synthetic Construct	GGTCACGTGAGtgccgctGGTCACGTGAGtgctttGGTCACGTGAGtgatctGGTCA CGTGAGtacgctGGTCACGTGAGtgccgctGGTCACGTGAGtgctttGGTCACGTGA GtgatctGGTCACGTGAGtacgctGGTCACGTGAG
8287	DNA; Synthetic Construct	CTCACGTGACCtgccgctCTCACGTGACCtgctttCTCACGTGACCtgatctCTCAC GTGACCtacgctCTCACGTGACCtgccgctCTCACGTGACCtgctttCTCACGTGAC CtgatctCTCACGTGACCtacgctCTCACGTGACC

8288	DNA; Synthetic Construct	GGTCACGTGACtgccgctGGTCACGTGACtgctttGGTCACGTGACtgatctGGTCA CGTGACtacgctGGTCACGTGACtgccgctGGTCACGTGACtgctttGGTCACGTGA CtgatctGGTCACGTGACtacgctGGTCACGTGAC
8289	DNA; Synthetic Construct	GTCACGTGACCtgccgctGTCACGTGACCtgctttGTCACGTGACCtgatctGTCAC GTGACCtacgctGTCACGTGACCtgccgctGTCACGTGACCtgctttGTCACGTGAC CtgatctGTCACGTGACCtacgctGTCACGTGACC
8290	DNA; Synthetic Construct	GGTCACGTGGGtgccgctGGTCACGTGGGtgctttGGTCACGTGGGtgatctGGTCA CGTGGGtacgctGGTCACGTGGGtgccgctGGTCACGTGGGtgctttGGTCACGTGG GtgatctGGTCACGTGGGtacgctGGTCACGTGGG
8291	DNA; Synthetic Construct	CCCACGTGACCtgccgctCCCACGTGACCtgctttCCCACGTGACCtgatctCCCAC GTGACCtacgctCCCACGTGACCtgccgctCCCACGTGACCtgctttCCCACGTGAC CtgatctCCCACGTGACCtacgctCCCACGTGACC
8292	DNA; Synthetic Construct	GGTCACGTGGCtgccgctGGTCACGTGGCtgctttGGTCACGTGGCtgatctGGTCA CGTGGCtacgctGGTCACGTGGCtgccgctGGTCACGTGGCtgctttGGTCACGTGG CtgatctGGTCACGTGGCtacgctGGTCACGTGGC
8293	DNA; Synthetic Construct	GCCACGTGACCtgccgctGCCACGTGACCtgctttGCCACGTGACCtgatctGCCAC GTGACCtacgctGCCACGTGACCtgccgctGCCACGTGACCtgctttGCCACGTGAC CtgatctGCCACGTGACCtacgctGCCACGTGACC
8294	DNA; Synthetic Construct	ATTTCCCAGGtgccgctATTTCCCAGGtgctttATTTCCCAGGtgatctATTTCCCA GGtacgctATTTCCCAGGtgccgctATTTCCCAGGtgctttATTTCCCAGGtgatct ATTTCCCAGGtacgctATTTCCCAGG
8295	DNA; Synthetic Construct	CCTGGGAAATtgccgctCCTGGGAAATtgctttCCTGGGAAATtgatctCCTGGGAA ATtacgctCCTGGGAAATtgccgctCCTGGGAAATtgctttCCTGGGAAATtgatct CCTGGGAAATtacgctCCTGGGAAAT
8296	DNA; Synthetic Construct	ATTTCCCACGtgccgctATTTCCCACGtgctttATTTCCCACGtgatctATTTCCCA CGtacgctATTTCCCACGtgccgctATTTCCCACGtgctttATTTCCCACGtgatct ATTTCCCACGtacgctATTTCCCACG
8297	DNA; Synthetic Construct	CGTGGGAAATtgccgctCGTGGGAAATtgctttCGTGGGAAATtgatctCGTGGGAA ATtacgctCGTGGGAAATtgccgctCGTGGGAAATtgctttCGTGGGAAATtgatct CGTGGGAAATtacgctCGTGGGAAAT
8298	DNA; Synthetic Construct	CTTTCCCAGGtgccgctCTTTCCCAGGtgctttCTTTCCCAGGtgatctCTTTCCCA GGtacgctCTTTCCCAGGtgccgctCTTTCCCAGGtgctttCTTTCCCAGGtgatct CTTTCCCAGGtacgctCTTTCCCAGG
8299	DNA; Synthetic Construct	CCTGGGAAAGtgccgctCCTGGGAAAGtgctttCCTGGGAAAGtgatctCCTGGGAA AGtacgctCCTGGGAAAGtgccgctCCTGGGAAAGtgctttCCTGGGAAAGtgatct CCTGGGAAAGtacgctCCTGGGAAAG
8300	DNA; Synthetic Construct	CTTTCCCACGtgccgctCTTTCCCACGtgctttCTTTCCCACGtgatctCTTTCCCA CGtacgctCTTTCCCACGtgccgctCTTTCCCACGtgctttCTTTCCCACGtgatct CTTTCCCACGtacgctCTTTCCCACG
8301	DNA; Synthetic Construct	CGTGGGAAAGtgccgctCGTGGGAAAGtgctttCGTGGGAAAGtgatctCGTGGGAA AGtacgctCGTGGGAAAGtgccgctCGTGGGAAAGtgctttCGTGGGAAAGtgatct CGTGGGAAAGtacgctCGTGGGAAAG
8302	DNA; Synthetic Construct	TTTTCCCAGGtgccgctTTTTCCCAGGtgctttTTTTCCCAGGtgatctTTTTCCCA GGtacgctTTTTCCCAGGtgccgctTTTTCCCAGGtgctttTTTTCCCAGGtgatct TTTTCCCAGGtacgctTTTTCCCAGG
8303	DNA; Synthetic Construct	CCTGGGAAAAtgccgctCCTGGGAAAAtgctttCCTGGGAAAAtgatctCCTGGGAA AAtacgctCCTGGGAAAAtgccgctCCTGGGAAAAtgctttCCTGGGAAAAtgatct CCTGGGAAAAtacgctCCTGGGAAAA
8304	DNA; Synthetic Construct	TTTTCCCACGtgccgctTTTTCCCACGtgctttTTTTCCCACGtgatctTTTTCCCA CGtacgctTTTTCCCACGtgccgctTTTTCCCACGtgctttTTTTCCCACGtgatct TTTTCCCACGtacgctTTTTCCCACG
8305	DNA; Synthetic Construct	CGTGGGAAAAtgccgctCGTGGGAAAAtgctttCGTGGGAAAAtgatctCGTGGGAA AAtacgctCGTGGGAAAAtgccgctCGTGGGAAAAtgctttCGTGGGAAAAtgatct CGTGGGAAAAtacgctCGTGGGAAAA

8306	DNA; Synthetic Construct	GCCAATTCCCATGGTGTAAATtgccgctGCCAATTCCCATGGTGTAAATtgctttGC CAATTCCCATGGTGTAAATtgatctGCCAATTCCCATGGTGTAAATtacgctGCCAA TTCCCATGGTGTAAAT
8307	DNA; Synthetic Construct	ATTTACACCATGGGAATTGGCtgccgctATTTACACCATGGGAATTGGCtgctttAT TTACACCATGGGAATTGGCtgatctATTTACACCATGGGAATTGGCtacgctATTTA CACCATGGGAATTGGC
8308	DNA; Synthetic Construct	GCCAATTCCCGTGGTGTAAATtgccgctGCCAATTCCCGTGGTGTAAATtgctttGC CAATTCCCGTGGTGTAAATtgatctGCCAATTCCCGTGGTGTAAATtacgctGCCAA TTCCCGTGGTGTAAAT
8309	DNA; Synthetic Construct	ATTTACACCACGGGAATTGGCtgccgctATTTACACCACGGGAATTGGCtgctttAT TTACACCACGGGAATTGGCtgatctATTTACACCACGGGAATTGGCtacgctATTTA CACCACGGGAATTGGC
8310	DNA; Synthetic Construct	GCCAATTCCTATGGTGTAAATtgccgctGCCAATTCCTATGGTGTAAATtgctttGC CAATTCCTATGGTGTAAATtgatctGCCAATTCCTATGGTGTAAATtacgctGCCAA TTCCTATGGTGTAAAT
8311	DNA; Synthetic Construct	ATTTACACCATAGGAATTGGCtgccgctATTTACACCATAGGAATTGGCtgctttAT TTACACCATAGGAATTGGCtgatctATTTACACCATAGGAATTGGCtacgctATTTA CACCATAGGAATTGGC
8312	DNA; Synthetic Construct	GCCAATTCCTGTGGTGTAAATtgccgctGCCAATTCCTGTGGTGTAAATtgctttGC CAATTCCTGTGGTGTAAATtgatctGCCAATTCCTGTGGTGTAAATtacgctGCCAA TTCCTGTGGTGTAAAT
8313	DNA; Synthetic Construct	ATTTACACCACAGGAATTGGCtgccgctATTTACACCACAGGAATTGGCtgctttAT TTACACCACAGGAATTGGCtgatctATTTACACCACAGGAATTGGCtacgctATTTA CACCACAGGAATTGGC
8314	DNA; Synthetic Construct	GCCAATTTCCATGGTGTAAATtgccgctGCCAATTTCCATGGTGTAAATtgctttGC CAATTTCCATGGTGTAAATtgatctGCCAATTTCCATGGTGTAAATtacgctGCCAA TTTCCATGGTGTAAAT
8315	DNA; Synthetic Construct	ATTTACACCATGGAAATTGGCtgccgctATTTACACCATGGAAATTGGCtgctttAT TTACACCATGGAAATTGGCtgatctATTTACACCATGGAAATTGGCtacgctATTTA CACCATGGAAATTGGC
8316	DNA; Synthetic Construct	GCCAATTTCCGTGGTGTAAATtgccgctGCCAATTTCCGTGGTGTAAATtgctttGC CAATTTCCGTGGTGTAAATtgatctGCCAATTTCCGTGGTGTAAATtacgctGCCAA TTTCCGTGGTGTAAAT
8317	DNA; Synthetic Construct	ATTTACACCACGGAAATTGGCtgccgctATTTACACCACGGAAATTGGCtgctttAT TTACACCACGGAAATTGGCtgatctATTTACACCACGGAAATTGGCtacgctATTTA CACCACGGAAATTGGC
8318	DNA; Synthetic Construct	GCCAATTTCTATGGTGTAAATtgccgctGCCAATTTCTATGGTGTAAATtgctttGC CAATTTCTATGGTGTAAATtgatctGCCAATTTCTATGGTGTAAATtacgctGCCAA TTTCTATGGTGTAAAT
8319	DNA; Synthetic Construct	ATTTACACCATAGAAATTGGCtgccgctATTTACACCATAGAAATTGGCtgctttAT TTACACCATAGAAATTGGCtgatctATTTACACCATAGAAATTGGCtacgctATTTA CACCATAGAAATTGGC
8320	DNA; Synthetic Construct	GCCAATTTCTGTGGTGTAAATtgccgctGCCAATTTCTGTGGTGTAAATtgctttGC CAATTTCTGTGGTGTAAATtgatctGCCAATTTCTGTGGTGTAAATtacgctGCCAA TTTCTGTGGTGTAAAT
8321	DNA; Synthetic Construct	ATTTACACCACAGAAATTGGCtgccgctATTTACACCACAGAAATTGGCtgctttAT TTACACCACAGAAATTGGCtgatctATTTACACCACAGAAATTGGCtacgctATTTA CACCACAGAAATTGGC
8322	DNA; Synthetic Construct	AGTTTCAGTTTCtgctttAGTTTCAGTTTCtgatctAGTTTCAGTTTCtacgctAGT TTCAGTTTCtgccgctAGTTTCAGTTTCtgctttAGTTTCAGTTTCtgatctAGTTT CAGTTTCtacgctAGTTTCAGTTTC
8323	DNA; Synthetic Construct	GAAACTGAAACTtgctttGAAACTGAAACTtgatctGAAACTGAAACTtacgctGAA ACTGAAACTtgccgctGAAACTGAAACTtgctttGAAACTGAAACTtgatctGAAAC TGAAACTtacgctGAAACTGAAACT

8324	DNA; Synthetic Construct	AGTTTCATTTTCtgctttAGTTTCATTTTCtgatctAGTTTCATTTTCtacgctAGT TTCATTTTCtgccgctAGTTTCATTTTCtgctttAGTTTCATTTTCtgatctAGTTT CATTTTCtacgctAGTTTCATTTTC
8325	DNA; Synthetic Construct	GAAAATGAAACTtgctttGAAAATGAAACTtgatctGAAAATGAAACTtacgctGAA AATGAAACTtgccgctGAAAATGAAACTtgctttGAAAATGAAACTtgatctGAAAA TGAAACTtacgctGAAAATGAAACT
8326	DNA; Synthetic Construct	AACAGCTGtacgctAACAGCTGtgccgctAACAGCTGtgctttAACAGCTGtgatct AACAGCTGtacgctAACAGCTGtgccgctAACAGCTGtgctttAACAGCTGtgatct AACAGCTGtacgctAACAGCTG
8327	DNA; Synthetic Construct	CAGCTGTTtacgctCAGCTGTTtgccgctCAGCTGTTtgctttCAGCTGTTtgatct CAGCTGTTtacgctCAGCTGTTtgccgctCAGCTGTTtgctttCAGCTGTTtgatct CAGCTGTTtacgctCAGCTGTT
8328	DNA; Synthetic Construct	AGGGGGCGGGGCtgctttAGGGGGCGGGGCtgatctAGGGGGCGGGGCtacgctAGG GGGCGGGGCtgccgctAGGGGGCGGGGCtgctttAGGGGGCGGGGCtgatctAGGGG GCGGGGCtacgctAGGGGGCGGGGC
8329	DNA; Synthetic Construct	GCCCCGCCCCCTtgctttGCCCCGCCCCCTtgatctGCCCCGCCCCCTtacgctGCC CCGCCCCCTtgccgctGCCCCGCCCCCTtgctttGCCCCGCCCCCTtgatctGCCCC GCCCCCTtacgctGCCCCGCCCCCT
8330	DNA; Synthetic Construct	AGGGGGCGTGGCtgctttAGGGGGCGTGGCtgatctAGGGGGCGTGGCtacgctAGG GGGCGTGGCtgccgctAGGGGGCGTGGCtgctttAGGGGGCGTGGCtgatctAGGGG GCGTGGCtacgctAGGGGGCGTGGC
8331	DNA; Synthetic Construct	GCCACGCCCCCTtgctttGCCACGCCCCCTtgatctGCCACGCCCCCTtacgctGCC ACGCCCCCTtgccgctGCCACGCCCCCTtgctttGCCACGCCCCCTtgatctGCCAC GCCCCCTtacgctGCCACGCCCCCT
8332	DNA; Synthetic Construct	AGTGGGCGGGGCtgctttAGTGGGCGGGGCtgatctAGTGGGCGGGGCtacgctAGT GGGCGGGGCtgccgctAGTGGGCGGGGCtgctttAGTGGGCGGGGCtgatctAGTGG GCGGGGCtacgctAGTGGGCGGGGC
8333	DNA; Synthetic Construct	GCCCCGCCCACTtgctttGCCCCGCCCACTtgatctGCCCCGCCCACTtacgctGCC CCGCCCACTtgccgctGCCCCGCCCACTtgctttGCCCCGCCCACTtgatctGCCCC GCCCACTtacgctGCCCCGCCCACT
8334	DNA; Synthetic Construct	AGTGGGCGTGGCtgctttAGTGGGCGTGGCtgatctAGTGGGCGTGGCtacgctAGT GGGCGTGGCtgccgctAGTGGGCGTGGCtgctttAGTGGGCGTGGCtgatctAGTGG GCGTGGCtacgctAGTGGGCGTGGC
8335	DNA; Synthetic Construct	GCCACGCCCACTtgctttGCCACGCCCACTtgatctGCCACGCCCACTtacgctGCC ACGCCCACTtgccgctGCCACGCCCACTtgctttGCCACGCCCACTtgatctGCCAC GCCCACTtacgctGCCACGCCCACT
8336	DNA; Synthetic Construct	GGGGGGCGGGGCtgctttGGGGGGCGGGGCtgatctGGGGGGCGGGGCtacgctGGG GGGCGGGGCtgccgctGGGGGGCGGGGCtgctttGGGGGGCGGGGCtgatctGGGGG GCGGGGCtacgctGGGGGGCGGGGC
8337	DNA; Synthetic Construct	GCCCCGCCCCCCtgctttGCCCCGCCCCCCtgatctGCCCCGCCCCCCtacgctGCC CCGCCCCCCtgccgctGCCCCGCCCCCCtgctttGCCCCGCCCCCCtgatctGCCCC GCCCCCCtacgctGCCCCGCCCCCC
8338	DNA; Synthetic Construct	GGGGGGCGTGGCtgctttGGGGGGCGTGGCtgatctGGGGGGCGTGGCtacgctGGG GGGCGTGGCtgccgctGGGGGGCGTGGCtgctttGGGGGGCGTGGCtgatctGGGGG GCGTGGCtacgctGGGGGGCGTGGC
8339	DNA; Synthetic Construct	GCCACGCCCCCCtgctttGCCACGCCCCCCtgatctGCCACGCCCCCCtacgctGCC ACGCCCCCCtgccgctGCCACGCCCCCCtgctttGCCACGCCCCCCtgatctGCCAC GCCCCCCtacgctGCCACGCCCCCC
8340	DNA; Synthetic Construct	GGTGGGCGGGGCtgctttGGTGGGCGGGGCtgatctGGTGGGCGGGGCtacgctGGT GGGCGGGGCtgccgctGGTGGGCGGGGCtgctttGGTGGGCGGGGCtgatctGGTGG GCGGGGCtacgctGGTGGGCGGGGC
8341	DNA; Synthetic Construct	GCCCCGCCCACCtgctttGCCCCGCCCACCtgatctGCCCCGCCCACCtacgctGCC CCGCCCACCtgccgctGCCCCGCCCACCtgctttGCCCCGCCCACCtgatctGCCCC GCCCACCtacgctGCCCCGCCCACC

8342	DNA; Synthetic Construct	GGTGGGCGTGGCtgctttGGTGGGCGTGGCtgatctGGTGGGCGTGGCtacgctGGT GGGCGTGGCtgccgctGGTGGGCGTGGCtgctttGGTGGGCGTGGCtgatctGGTGG GCGTGGCtacgctGGTGGGCGTGGC
8343	DNA; Synthetic Construct	GCCACGCCCACCtgctttGCCACGCCCACCtgatctGCCACGCCCACCtacgctGCC ACGCCCACCtgccgctGCCACGCCCACCtgctttGCCACGCCCACCtgatctGCCAC GCCCACCtacgctGCCACGCCCACC
8344	DNA; Synthetic Construct	CTGACAACtacgctCTGACAACtgccgctCTGACAACtgctttCTGACAACtgatct CTGACAACtacgctCTGACAACtgccgctCTGACAACtgctttCTGACAACtgatct CTGACAACtacgctCTGACAAC
8345	DNA; Synthetic Construct	GTTGTCAGtacgctGTTGTCAGtgccgctGTTGTCAGtgctttGTTGTCAGtgatct GTTGTCAGtacgctGTTGTCAGtgccgctGTTGTCAGtgctttGTTGTCAGtgatct GTTGTCAGtacgctGTTGTCAG
8346	DNA; Synthetic Construct	CTGACAATtacgctCTGACAATtgccgctCTGACAATtgctttCTGACAATtgatct CTGACAATtacgctCTGACAATtgccgctCTGACAATtgctttCTGACAATtgatct CTGACAATtacgctCTGACAAT
8347	DNA; Synthetic Construct	ATTGTCAGtacgctATTGTCAGtgccgctATTGTCAGtgctttATTGTCAGtgatct ATTGTCAGtacgctATTGTCAGtgccgctATTGTCAGtgctttATTGTCAGtgatct ATTGTCAGtacgctATTGTCAG
8348	DNA; Synthetic Construct	CTGACAGCtacgctCTGACAGCtgccgctCTGACAGCtgctttCTGACAGCtgatct CTGACAGCtacgctCTGACAGCtgccgctCTGACAGCtgctttCTGACAGCtgatct CTGACAGCtacgctCTGACAGC
8349	DNA; Synthetic Construct	GCTGTCAGtacgctGCTGTCAGtgccgctGCTGTCAGtgctttGCTGTCAGtgatct GCTGTCAGtacgctGCTGTCAGtgccgctGCTGTCAGtgctttGCTGTCAGtgatct GCTGTCAGtacgctGCTGTCAG
8350	DNA; Synthetic Construct	CTGACAGTtacgctCTGACAGTtgccgctCTGACAGTtgctttCTGACAGTtgatct CTGACAGTtacgctCTGACAGTtgccgctCTGACAGTtgctttCTGACAGTtgatct CTGACAGTtacgctCTGACAGT
8351	DNA; Synthetic Construct	ACTGTCAGtacgctACTGTCAGtgccgctACTGTCAGtgctttACTGTCAGtgatct ACTGTCAGtacgctACTGTCAGtgccgctACTGTCAGtgctttACTGTCAGtgatct ACTGTCAGtacgctACTGTCAG
8352	DNA; Synthetic Construct	CTGACATCtacgctCTGACATCtgccgctCTGACATCtgctttCTGACATCtgatct CTGACATCtacgctCTGACATCtgccgctCTGACATCtgctttCTGACATCtgatct CTGACATCtacgctCTGACATC
8353	DNA; Synthetic Construct	GATGTCAGtacgctGATGTCAGtgccgctGATGTCAGtgctttGATGTCAGtgatct GATGTCAGtacgctGATGTCAGtgccgctGATGTCAGtgctttGATGTCAGtgatct GATGTCAGtacgctGATGTCAG
8354	DNA; Synthetic Construct	CTGACATTtacgctCTGACATTtgccgctCTGACATTtgctttCTGACATTtgatct CTGACATTtacgctCTGACATTtgccgctCTGACATTtgctttCTGACATTtgatct CTGACATTtacgctCTGACATT
8355	DNA; Synthetic Construct	AATGTCAGtacgctAATGTCAGtgccgctAATGTCAGtgctttAATGTCAGtgatct AATGTCAGtacgctAATGTCAGtgccgctAATGTCAGtgctttAATGTCAGtgatct AATGTCAGtacgctAATGTCAG
8356	DNA; Synthetic Construct	CTGTCAACtacgctCTGTCAACtgccgctCTGTCAACtgctttCTGTCAACtgatct CTGTCAACtacgctCTGTCAACtgccgctCTGTCAACtgctttCTGTCAACtgatct CTGTCAACtacgctCTGTCAAC
8357	DNA; Synthetic Construct	GTTGACAGtacgctGTTGACAGtgccgctGTTGACAGtgctttGTTGACAGtgatct GTTGACAGtacgctGTTGACAGtgccgctGTTGACAGtgctttGTTGACAGtgatct GTTGACAGtacgctGTTGACAG
8358	DNA; Synthetic Construct	CTGTCAATtacgctCTGTCAATtgccgctCTGTCAATtgctttCTGTCAATtgatct CTGTCAATtacgctCTGTCAATtgccgctCTGTCAATtgctttCTGTCAATtgatct CTGTCAATtacgctCTGTCAAT
8359	DNA; Synthetic Construct	ATTGACAGtacgctATTGACAGtgccgctATTGACAGtgctttATTGACAGtgatct ATTGACAGtacgctATTGACAGtgccgctATTGACAGtgctttATTGACAGtgatct ATTGACAGtacgctATTGACAG

8360	DNA; Synthetic Construct	CTGTCAGCtacgctCTGTCAGCtgccgctCTGTCAGCtgctttCTGTCAGCtgatct CTGTCAGCtacgctCTGTCAGCtgccgctCTGTCAGCtgctttCTGTCAGCtgatct CTGTCAGCtacgctCTGTCAGC
8361	DNA; Synthetic Construct	GCTGACAGtacgctGCTGACAGtgccgctGCTGACAGtgctttGCTGACAGtgatct GCTGACAGtacgctGCTGACAGtgccgctGCTGACAGtgctttGCTGACAGtgatct GCTGACAGtacgctGCTGACAG
8362	DNA; Synthetic Construct	CTGTCAGTtacgctCTGTCAGTtgccgctCTGTCAGTtgctttCTGTCAGTtgatct CTGTCAGTtacgctCTGTCAGTtgccgctCTGTCAGTtgctttCTGTCAGTtgatct CTGTCAGTtacgctCTGTCAGT
8363	DNA; Synthetic Construct	ACTGACAGtacgctACTGACAGtgccgctACTGACAGtgctttACTGACAGtgatct ACTGACAGtacgctACTGACAGtgccgctACTGACAGtgctttACTGACAGtgatct ACTGACAGtacgctACTGACAG
8364	DNA; Synthetic Construct	CTGTCATCtacgctCTGTCATCtgccgctCTGTCATCtgctttCTGTCATCtgatct CTGTCATCtacgctCTGTCATCtgccgctCTGTCATCtgctttCTGTCATCtgatct CTGTCATCtacgctCTGTCATC
8365	DNA; Synthetic Construct	GATGACAGtacgctGATGACAGtgccgctGATGACAGtgctttGATGACAGtgatct GATGACAGtacgctGATGACAGtgccgctGATGACAGtgctttGATGACAGtgatct GATGACAGtacgctGATGACAG
8366	DNA; Synthetic Construct	CTGTCATTtacgctCTGTCATTtgccgctCTGTCATTtgctttCTGTCATTtgatct CTGTCATTtacgctCTGTCATTtgccgctCTGTCATTtgctttCTGTCATTtgatct CTGTCATTtacgctCTGTCATT
8367	DNA; Synthetic Construct	AATGACAGtacgctAATGACAGtgccgctAATGACAGtgctttAATGACAGtgatct AATGACAGtacgctAATGACAGtgccgctAATGACAGtgctttAATGACAGtgatct AATGACAGtacgctAATGACAG
8368	DNA; Synthetic Construct	TTGACAACtacgctTTGACAACtgccgctTTGACAACtgctttTTGACAACtgatct TTGACAACtacgctTTGACAACtgccgctTTGACAACtgctttTTGACAACtgatct TTGACAACtacgctTTGACAAC
8369	DNA; Synthetic Construct	GTTGTCAAtacgctGTTGTCAAtgccgctGTTGTCAAtgctttGTTGTCAAtgatct GTTGTCAAtacgctGTTGTCAAtgccgctGTTGTCAAtgctttGTTGTCAAtgatct GTTGTCAAtacgctGTTGTCAA
8370	DNA; Synthetic Construct	TTGACAATtacgctTTGACAATtgccgctTTGACAATtgctttTTGACAATtgatct TTGACAATtacgctTTGACAATtgccgctTTGACAATtgctttTTGACAATtgatct TTGACAATtacgctTTGACAAT
8371	DNA; Synthetic Construct	ATTGTCAAtacgctATTGTCAAtgccgctATTGTCAAtgctttATTGTCAAtgatct ATTGTCAAtacgctATTGTCAAtgccgctATTGTCAAtgctttATTGTCAAtgatct ATTGTCAAtacgctATTGTCAA
8372	DNA; Synthetic Construct	TTGACAGCtacgctTTGACAGCtgccgctTTGACAGCtgctttTTGACAGCtgatct TTGACAGCtacgctTTGACAGCtgccgctTTGACAGCtgctttTTGACAGCtgatct TTGACAGCtacgctTTGACAGC
8373	DNA; Synthetic Construct	GCTGTCAAtacgctGCTGTCAAtgccgctGCTGTCAAtgctttGCTGTCAAtgatct GCTGTCAAtacgctGCTGTCAAtgccgctGCTGTCAAtgctttGCTGTCAAtgatct GCTGTCAAtacgctGCTGTCAA
8374	DNA; Synthetic Construct	TTGACAGTtacgctTTGACAGTtgccgctTTGACAGTtgctttTTGACAGTtgatct TTGACAGTtacgctTTGACAGTtgccgctTTGACAGTtgctttTTGACAGTtgatct TTGACAGTtacgctTTGACAGT
8375	DNA; Synthetic Construct	ACTGTCAAtacgctACTGTCAAtgccgctACTGTCAAtgctttACTGTCAAtgatct ACTGTCAAtacgctACTGTCAAtgccgctACTGTCAAtgctttACTGTCAAtgatct ACTGTCAAtacgctACTGTCAA
8376	DNA; Synthetic Construct	TTGACATCtacgctTTGACATCtgccgctTTGACATCtgctttTTGACATCtgatct TTGACATCtacgctTTGACATCtgccgctTTGACATCtgctttTTGACATCtgatct TTGACATCtacgctTTGACATC
8377	DNA; Synthetic Construct	GATGTCAAtacgctGATGTCAAtgccgctGATGTCAAtgctttGATGTCAAtgatct GATGTCAAtacgctGATGTCAAtgccgctGATGTCAAtgctttGATGTCAAtgatct GATGTCAAtacgctGATGTCAA

8378	DNA; Synthetic Construct	TTGACATTtacgctTTGACATTtgccgctTTGACATTtgctttTTGACATTtgatct TTGACATTtacgctTTGACATTtgccgctTTGACATTtgctttTTGACATTtgatct TTGACATTtacgctTTGACATT
8379	DNA; Synthetic Construct	AATGTCAAtacgctAATGTCAAtgccgctAATGTCAAtgctttAATGTCAAtgatct AATGTCAAtacgctAATGTCAAtgccgctAATGTCAAtgctttAATGTCAAtgatct AATGTCAAtacgctAATGTCAA
8380	DNA; Synthetic Construct	TTGTCAACtacgctTTGTCAACtgccgctTTGTCAACtgctttTTGTCAACtgatct TTGTCAACtacgctTTGTCAACtgccgctTTGTCAACtgctttTTGTCAACtgatct TTGTCAACtacgctTTGTCAAC
8381	DNA; Synthetic Construct	GTTGACAAtacgctGTTGACAAtgccgctGTTGACAAtgctttGTTGACAAtgatct GTTGACAAtacgctGTTGACAAtgccgctGTTGACAAtgctttGTTGACAAtgatct GTTGACAAtacgctGTTGACAA
8382	DNA; Synthetic Construct	TTGTCAATtacgctTTGTCAATtgccgctTTGTCAATtgctttTTGTCAATtgatct TTGTCAATtacgctTTGTCAATtgccgctTTGTCAATtgctttTTGTCAATtgatct TTGTCAATtacgctTTGTCAAT
8383	DNA; Synthetic Construct	ATTGACAAtacgctATTGACAAtgccgctATTGACAAtgctttATTGACAAtgatct ATTGACAAtacgctATTGACAAtgccgctATTGACAAtgctttATTGACAAtgatct ATTGACAAtacgctATTGACAA
8384	DNA; Synthetic Construct	TTGTCAGCtacgctTTGTCAGCtgccgctTTGTCAGCtgctttTTGTCAGCtgatct TTGTCAGCtacgctTTGTCAGCtgccgctTTGTCAGCtgctttTTGTCAGCtgatct TTGTCAGCtacgctTTGTCAGC
8385	DNA; Synthetic Construct	GCTGACAAtacgctGCTGACAAtgccgctGCTGACAAtgctttGCTGACAAtgatct GCTGACAAtacgctGCTGACAAtgccgctGCTGACAAtgctttGCTGACAAtgatct GCTGACAAtacgctGCTGACAA
8386	DNA; Synthetic Construct	TTGTCAGTtacgctTTGTCAGTtgccgctTTGTCAGTtgctttTTGTCAGTtgatct TTGTCAGTtacgctTTGTCAGTtgccgctTTGTCAGTtgctttTTGTCAGTtgatct TTGTCAGTtacgctTTGTCAGT
8387	DNA; Synthetic Construct	ACTGACAAtacgctACTGACAAtgccgctACTGACAAtgctttACTGACAAtgatct ACTGACAAtacgctACTGACAAtgccgctACTGACAAtgctttACTGACAAtgatct ACTGACAAtacgctACTGACAA
8388	DNA; Synthetic Construct	TTGTCATCtacgctTTGTCATCtgccgctTTGTCATCtgctttTTGTCATCtgatct TTGTCATCtacgctTTGTCATCtgccgctTTGTCATCtgctttTTGTCATCtgatct TTGTCATCtacgctTTGTCATC
8389	DNA; Synthetic Construct	GATGACAAtacgctGATGACAAtgccgctGATGACAAtgctttGATGACAAtgatct GATGACAAtacgctGATGACAAtgccgctGATGACAAtgctttGATGACAAtgatct GATGACAAtacgctGATGACAA
8390	DNA; Synthetic Construct	TTGTCATTtacgctTTGTCATTtgccgctTTGTCATTtgctttTTGTCATTtgatct TTGTCATTtacgctTTGTCATTtgccgctTTGTCATTtgctttTTGTCATTtgatct TTGTCATTtacgctTTGTCATT
8391	DNA; Synthetic Construct	AATGACAAtacgctAATGACAAtgccgctAATGACAAtgctttAATGACAAtgatct AATGACAAtacgctAATGACAAtgccgctAATGACAAtgctttAATGACAAtgatct AATGACAAtacgctAATGACAA
8392	DNA; Synthetic Construct	AGATAAtgctttAGATAAtgatctAGATAAtacgctAGATAAtgccgctAGATAAtg ctttAGATAAtgatctAGATAAtacgctAGATAAtgccgctAGATAAtgctttAGAT AAtgatctAGATAAtacgctAGATAA
8393	DNA; Synthetic Construct	TTATCTtgctttTTATCTtgatctTTATCTtacgctTTATCTtgccgctTTATCTtg ctttTTATCTtgatctTTATCTtacgctTTATCTtgccgctTTATCTtgctttTTAT CTtgatctTTATCTtacgctTTATCT
8394	DNA; Synthetic Construct	TGATAAtgctttTGATAAtgatctTGATAAtacgctTGATAAtgccgctTGATAAtg ctttTGATAAtgatctTGATAAtacgctTGATAAtgccgctTGATAAtgctttTGAT AAtgatctTGATAAtacgctTGATAA
8395	DNA; Synthetic Construct	TTATCAtgctttTTATCAtgatctTTATCAtacgctTTATCAtgccgctTTATCAtg ctttTTATCAtgatctTTATCAtacgctTTATCAtgccgctTTATCAtgctttTTAT CAtgatctTTATCAtacgctTTATCA

8396	DNA; Synthetic Construct	CCGGAAGCGtacgctCCGGAAGCGtgccgctCCGGAAGCGtgctttCCGGAAGCGtg atctCCGGAAGCGtacgctCCGGAAGCGtgccgctCCGGAAGCGtgctttCCGGAAG CGtgatctCCGGAAGCGtacgctCCGGAAGCG
8397	DNA; Synthetic Construct	CGCTTCCGGtacgctCGCTTCCGGtgccgctCGCTTCCGGtgctttCGCTTCCGGtg atctCGCTTCCGGtacgctCGCTTCCGGtgccgctCGCTTCCGGtgctttCGCTTCC GGtgatctCGCTTCCGGtacgctCGCTTCCGG
8398	DNA; Synthetic Construct	CCGGAAGTGtacgctCCGGAAGTGtgccgctCCGGAAGTGtgctttCCGGAAGTGtg atctCCGGAAGTGtacgctCCGGAAGTGtgccgctCCGGAAGTGtgctttCCGGAAG TGtgatctCCGGAAGTGtacgctCCGGAAGTG
8399	DNA; Synthetic Construct	CACTTCCGGtacgctCACTTCCGGtgccgctCACTTCCGGtgctttCACTTCCGGtg atctCACTTCCGGtacgctCACTTCCGGtgccgctCACTTCCGGtgctttCACTTCC GGtgatctCACTTCCGGtacgctCACTTCCGG
8400	DNA; Synthetic Construct	AGGGGCGTGGCCtgctttAGGGGCGTGGCCtgatctAGGGGCGTGGCCtacgctAGG GGCGTGGCCtgccgctAGGGGCGTGGCCtgctttAGGGGCGTGGCCtgatctAGGGG CGTGGCCtacgctAGGGGCGTGGCC
8401	DNA; Synthetic Construct	GGCCACGCCCCTtgctttGGCCACGCCCCTtgatctGGCCACGCCCCTtacgctGGC CACGCCCCTtgccgctGGCCACGCCCCTtgctttGGCCACGCCCCTtgatctGGCCA CGCCCCTtacgctGGCCACGCCCCT
8402	DNA; Synthetic Construct	AGGGGTGTGGCCtgctttAGGGGTGTGGCCtgatctAGGGGTGTGGCCtacgctAGG GGTGTGGCCtgccgctAGGGGTGTGGCCtgctttAGGGGTGTGGCCtgatctAGGGG TGTGGCCtacgctAGGGGTGTGGCC
8403	DNA; Synthetic Construct	GGCCACACCCCTtgctttGGCCACACCCCTtgatctGGCCACACCCCTtacgctGGC CACACCCCTtgccgctGGCCACACCCCTtgctttGGCCACACCCCTtgatctGGCCA CACCCCTtacgctGGCCACACCCCT
8404	DNA; Synthetic Construct	ATGGGCGTGGCCtgctttATGGGCGTGGCCtgatctATGGGCGTGGCCtacgctATG GGCGTGGCCtgccgctATGGGCGTGGCCtgctttATGGGCGTGGCCtgatctATGGG CGTGGCCtacgctATGGGCGTGGCC
8405	DNA; Synthetic Construct	GGCCACGCCCATtgctttGGCCACGCCCATtgatctGGCCACGCCCATtacgctGGC CACGCCCATtgccgctGGCCACGCCCATtgctttGGCCACGCCCATtgatctGGCCA CGCCCATtacgctGGCCACGCCCAT
8406	DNA; Synthetic Construct	ATGGGTGTGGCCtgctttATGGGTGTGGCCtgatctATGGGTGTGGCCtacgctATG GGTGTGGCCtgccgctATGGGTGTGGCCtgctttATGGGTGTGGCCtgatctATGGG TGTGGCCtacgctATGGGTGTGGCC
8407	DNA; Synthetic Construct	GGCCACACCCATtgctttGGCCACACCCATtgatctGGCCACACCCATtacgctGGC CACACCCATtgccgctGGCCACACCCATtgctttGGCCACACCCATtgatctGGCCA CACCCATtacgctGGCCACACCCAT
8408	DNA; Synthetic Construct	CGGGGCGTGGCCtgctttCGGGGCGTGGCCtgatctCGGGGCGTGGCCtacgctCGG GGCGTGGCCtgccgctCGGGGCGTGGCCtgctttCGGGGCGTGGCCtgatctCGGGG CGTGGCCtacgctCGGGGCGTGGCC
8409	DNA; Synthetic Construct	GGCCACGCCCCGtgctttGGCCACGCCCCGtgatctGGCCACGCCCCGtacgctGGC CACGCCCCGtgccgctGGCCACGCCCCGtgctttGGCCACGCCCCGtgatctGGCCA CGCCCCGtacgctGGCCACGCCCCG
8410	DNA; Synthetic Construct	CGGGGTGTGGCCtgctttCGGGGTGTGGCCtgatctCGGGGTGTGGCCtacgctCGG GGTGTGGCCtgccgctCGGGGTGTGGCCtgctttCGGGGTGTGGCCtgatctCGGGG TGTGGCCtacgctCGGGGTGTGGCC
8411	DNA; Synthetic Construct	GGCCACACCCCGtgctttGGCCACACCCCGtgatctGGCCACACCCCGtacgctGGC CACACCCCGtgccgctGGCCACACCCCGtgctttGGCCACACCCCGtgatctGGCCA CACCCCGtacgctGGCCACACCCCG
8412	DNA; Synthetic Construct	CTGGGCGTGGCCtgctttCTGGGCGTGGCCtgatctCTGGGCGTGGCCtacgctCTG GGCGTGGCCtgccgctCTGGGCGTGGCCtgctttCTGGGCGTGGCCtgatctCTGGG CGTGGCCtacgctCTGGGCGTGGCC
8413	DNA; Synthetic Construct	GGCCACGCCCAGtgctttGGCCACGCCCAGtgatctGGCCACGCCCAGtacgctGGC CACGCCCAGtgccgctGGCCACGCCCAGtgctttGGCCACGCCCAGtgatctGGCCA CGCCCAGtacgctGGCCACGCCCAG

8414	DNA; Synthetic Construct	CTGGGTGTGGCCtgctttCTGGGTGTGGCCtgatctCTGGGTGTGGCCtacgctCTG GGTGTGGCCtgccgctCTGGGTGTGGCCtgctttCTGGGTGTGGCCtgatctCTGGG TGTGGCCtacgctCTGGGTGTGGCC
8415	DNA; Synthetic Construct	GGCCACACCCAGtgctttGGCCACACCCAGtgatctGGCCACACCCAGtacgctGGC CACACCCAGtgccgctGGCCACACCCAGtgctttGGCCACACCCAGtgatctGGCCA CACCCAGtacgctGGCCACACCCAG
8416	DNA; Synthetic Construct	ATCATGTGACtgccgctATCATGTGACtgctttATCATGTGACtgatctATCATGTG ACtacgctATCATGTGACtgccgctATCATGTGACtgctttATCATGTGACtgatct ATCATGTGACtacgctATCATGTGAC
8417	DNA; Synthetic Construct	GTCACATGATtgccgctGTCACATGATtgctttGTCACATGATtgatctGTCACATG ATtacgctGTCACATGATtgccgctGTCACATGATtgctttGTCACATGATtgatct GTCACATGATtacgctGTCACATGAT
8418	DNA; Synthetic Construct	GTCATGTGACtgccgctGTCATGTGACtgctttGTCATGTGACtgatctGTCATGTG ACtacgctGTCATGTGACtgccgctGTCATGTGACtgctttGTCATGTGACtgatct GTCATGTGACtacgctGTCATGTGAC
8419	DNA; Synthetic Construct	GTCACATGACtgccgctGTCACATGACtgctttGTCACATGACtgatctGTCACATG ACtacgctGTCACATGACtgccgctGTCACATGACtgctttGTCACATGACtgatct GTCACATGACtacgctGTCACATGAC
8420	DNA; Synthetic Construct	CAATTCCGCTCAtgctttCAATTCCGCTCAtgatctCAATTCCGCTCAtacgctCAA TTCCGCTCAtgccgctCAATTCCGCTCAtgctttCAATTCCGCTCAtgatctCAATT CCGCTCAtacgctCAATTCCGCTCA
8421	DNA; Synthetic Construct	TGAGCGGAATTGtgctttTGAGCGGAATTGtgatctTGAGCGGAATTGtacgctTGA GCGGAATTGtgccgctTGAGCGGAATTGtgctttTGAGCGGAATTGtgatctTGAGC GGAATTGtacgctTGAGCGGAATTG
8422	DNA; Synthetic Construct	CAATTCCGCTCCtgctttCAATTCCGCTCCtgatctCAATTCCGCTCCtacgctCAA TTCCGCTCCtgccgctCAATTCCGCTCCtgctttCAATTCCGCTCCtgatctCAATT CCGCTCCtacgctCAATTCCGCTCC
8423	DNA; Synthetic Construct	GGAGCGGAATTGtgctttGGAGCGGAATTGtgatctGGAGCGGAATTGtacgctGGA GCGGAATTGtgccgctGGAGCGGAATTGtgctttGGAGCGGAATTGtgatctGGAGC GGAATTGtacgctGGAGCGGAATTG
8424	DNA; Synthetic Construct	AAGCGGAAGTtgccgctAAGCGGAAGTtgctttAAGCGGAAGTtgatctAAGCGGAA GTtacgctAAGCGGAAGTtgccgctAAGCGGAAGTtgctttAAGCGGAAGTtgatct AAGCGGAAGTtacgctAAGCGGAAGT
8425	DNA; Synthetic Construct	ACTTCCGCTTtgccgctACTTCCGCTTtgctttACTTCCGCTTtgatctACTTCCGC TTtacgctACTTCCGCTTtgccgctACTTCCGCTTtgctttACTTCCGCTTtgatct ACTTCCGCTTtacgctACTTCCGCTT
8426	DNA; Synthetic Construct	AACCGGAAGTtgccgctAACCGGAAGTtgctttAACCGGAAGTtgatctAACCGGAA GTtacgctAACCGGAAGTtgccgctAACCGGAAGTtgctttAACCGGAAGTtgatct AACCGGAAGTtacgctAACCGGAAGT
8427	DNA; Synthetic Construct	ACTTCCGGTTtgccgctACTTCCGGTTtgctttACTTCCGGTTtgatctACTTCCGG TTtacgctACTTCCGGTTtgccgctACTTCCGGTTtgctttACTTCCGGTTtgatct ACTTCCGGTTtacgctACTTCCGGTT
8428	DNA; Synthetic Construct	ATAGGGCAAAGGTCAtgatctATAGGGCAAAGGTCAtacgctATAGGGCAAAGGTCA tgccgctATAGGGCAAAGGTCAtgctttATAGGGCAAAGGTCAtgatctATAGGGCA AAGGTCAtacgctATAGGGCAAAGGTCA
8429	DNA; Synthetic Construct	TGACCTTTGCCCTATtgatctTGACCTTTGCCCTATtacgctTGACCTTTGCCCTAT tgccgctTGACCTTTGCCCTATtgctttTGACCTTTGCCCTATtgatctTGACCTTT GCCCTATtacgctTGACCTTTGCCCTAT
8430	DNA; Synthetic Construct	ATAGGTCAAAGGTCAtgatctATAGGTCAAAGGTCAtacgctATAGGTCAAAGGTCA tgccgctATAGGTCAAAGGTCAtgctttATAGGTCAAAGGTCAtgatctATAGGTCA AAGGTCAtacgctATAGGTCAAAGGTCA
8431	DNA; Synthetic Construct	TGACCTTTGACCTATtgatctTGACCTTTGACCTATtacgctTGACCTTTGACCTAT tgccgctTGACCTTTGACCTATtgctttTGACCTTTGACCTATtgatctTGACCTTT GACCTATtacgctTGACCTTTGACCTAT

8432	DNA; Synthetic Construct	CTAGGGCAAAGGTCAtgatctCTAGGGCAAAGGTCAtacgctCTAGGGCAAAGGTCA tgccgctCTAGGGCAAAGGTCAtgctttCTAGGGCAAAGGTCAtgatctCTAGGGCA AAGGTCAtacgctCTAGGGCAAAGGTCA
8433	DNA; Synthetic Construct	TGACCTTTGCCCTAGtgatctTGACCTTTGCCCTAGtacgctTGACCTTTGCCCTAG tgccgctTGACCTTTGCCCTAGtgctttTGACCTTTGCCCTAGtgatctTGACCTTT GCCCTAGtacgctTGACCTTTGCCCTAG
8434	DNA; Synthetic Construct	CTAGGTCAAAGGTCAtgatctCTAGGTCAAAGGTCAtacgctCTAGGTCAAAGGTCA tgccgctCTAGGTCAAAGGTCAtgctttCTAGGTCAAAGGTCAtgatctCTAGGTCA AAGGTCAtacgctCTAGGTCAAAGGTCA
8435	DNA; Synthetic Construct	TGACCTTTGACCTAGtgatctTGACCTTTGACCTAGtacgctTGACCTTTGACCTAG tgccgctTGACCTTTGACCTAGtgctttTGACCTTTGACCTAGtgatctTGACCTTT GACCTAGtacgctTGACCTTTGACCTAG
8436	DNA; Synthetic Construct	GTAGGGCAAAGGTCAtgatctGTAGGGCAAAGGTCAtacgctGTAGGGCAAAGGTCA tgccgctGTAGGGCAAAGGTCAtgctttGTAGGGCAAAGGTCAtgatctGTAGGGCA AAGGTCAtacgctGTAGGGCAAAGGTCA
8437	DNA; Synthetic Construct	TGACCTTTGCCCTACtgatctTGACCTTTGCCCTACtacgctTGACCTTTGCCCTAC tgccgctTGACCTTTGCCCTACtgctttTGACCTTTGCCCTACtgatctTGACCTTT GCCCTACtacgctTGACCTTTGCCCTAC
8438	DNA; Synthetic Construct	GTAGGTCAAAGGTCAtgatctGTAGGTCAAAGGTCAtacgctGTAGGTCAAAGGTCA tgccgctGTAGGTCAAAGGTCAtgctttGTAGGTCAAAGGTCAtgatctGTAGGTCA AAGGTCAtacgctGTAGGTCAAAGGTCA
8439	DNA; Synthetic Construct	TGACCTTTGACCTACtgatctTGACCTTTGACCTACtacgctTGACCTTTGACCTAC tgccgctTGACCTTTGACCTACtgctttTGACCTTTGACCTACtgatctTGACCTTT GACCTACtacgctTGACCTTTGACCTAC
8440	DNA; Synthetic Construct	ACCACATGACtgccgctACCACATGACtgctttACCACATGACtgatctACCACATG ACtacgctACCACATGACtgccgctACCACATGACtgctttACCACATGACtgatct ACCACATGACtacgctACCACATGAC
8441	DNA; Synthetic Construct	GTCATGTGGTtgccgctGTCATGTGGTtgctttGTCATGTGGTtgatctGTCATGTG GTtacgctGTCATGTGGTtgccgctGTCATGTGGTtgctttGTCATGTGGTtgatct GTCATGTGGTtacgctGTCATGTGGT
8442	DNA; Synthetic Construct	ACCACATGATtgccgctACCACATGATtgctttACCACATGATtgatctACCACATG ATtacgctACCACATGATtgccgctACCACATGATtgctttACCACATGATtgatct ACCACATGATtacgctACCACATGAT
8443	DNA; Synthetic Construct	ATCATGTGGTtgccgctATCATGTGGTtgctttATCATGTGGTtgatctATCATGTG GTtacgctATCATGTGGTtgccgctATCATGTGGTtgctttATCATGTGGTtgatct ATCATGTGGTtacgctATCATGTGGT
8444	DNA; Synthetic Construct	ACCACGTGACtgccgctACCACGTGACtgctttACCACGTGACtgatctACCACGTG ACtacgctACCACGTGACtgccgctACCACGTGACtgctttACCACGTGACtgatct ACCACGTGACtacgctACCACGTGAC
8445	DNA; Synthetic Construct	GTCACGTGGTtgccgctGTCACGTGGTtgctttGTCACGTGGTtgatctGTCACGTG GTtacgctGTCACGTGGTtgccgctGTCACGTGGTtgctttGTCACGTGGTtgatct GTCACGTGGTtacgctGTCACGTGGT
8446	DNA; Synthetic Construct	ACCACGTGATtgccgctACCACGTGATtgctttACCACGTGATtgatctACCACGTG ATtacgctACCACGTGATtgccgctACCACGTGATtgctttACCACGTGATtgatct ACCACGTGATtacgctACCACGTGAT
8447	DNA; Synthetic Construct	ATCACGTGGTtgccgctATCACGTGGTtgctttATCACGTGGTtgatctATCACGTG GTtacgctATCACGTGGTtgccgctATCACGTGGTtgctttATCACGTGGTtgatct ATCACGTGGTtacgctATCACGTGGT
8448	DNA; Synthetic Construct	GCCACATGACtgccgctGCCACATGACtgctttGCCACATGACtgatctGCCACATG ACtacgctGCCACATGACtgccgctGCCACATGACtgctttGCCACATGACtgatct GCCACATGACtacgctGCCACATGAC
8449	DNA; Synthetic Construct	GTCATGTGGCtgccgctGTCATGTGGCtgctttGTCATGTGGCtgatctGTCATGTG GCtacgctGTCATGTGGCtgccgctGTCATGTGGCtgctttGTCATGTGGCtgatct GTCATGTGGCtacgctGTCATGTGGC

8450	DNA; Synthetic Construct	GCCACATGATtgccgctGCCACATGATtgctttGCCACATGATtgatctGCCACATG ATtacgctGCCACATGATtgccgctGCCACATGATtgctttGCCACATGATtgatct GCCACATGATtacgctGCCACATGAT
8451	DNA; Synthetic Construct	ATCATGTGGCtgccgctATCATGTGGCtgctttATCATGTGGCtgatctATCATGTG GCtacgctATCATGTGGCtgccgctATCATGTGGCtgctttATCATGTGGCtgatct ATCATGTGGCtacgctATCATGTGGC
8452	DNA; Synthetic Construct	GCCACGTGACtgccgctGCCACGTGACtgctttGCCACGTGACtgatctGCCACGTG ACtacgctGCCACGTGACtgccgctGCCACGTGACtgctttGCCACGTGACtgatct GCCACGTGACtacgctGCCACGTGAC
8453	DNA; Synthetic Construct	GTCACGTGGCtgccgctGTCACGTGGCtgctttGTCACGTGGCtgatctGTCACGTG GCtacgctGTCACGTGGCtgccgctGTCACGTGGCtgctttGTCACGTGGCtgatct GTCACGTGGCtacgctGTCACGTGGC
8454	DNA; Synthetic Construct	GCCACGTGATtgccgctGCCACGTGATtgctttGCCACGTGATtgatctGCCACGTG ATtacgctGCCACGTGATtgccgctGCCACGTGATtgctttGCCACGTGATtgatct GCCACGTGATtacgctGCCACGTGAT
8455	DNA; Synthetic Construct	ATCACGTGGCtgccgctATCACGTGGCtgctttATCACGTGGCtgatctATCACGTG GCtacgctATCACGTGGCtgccgctATCACGTGGCtgctttATCACGTGGCtgatct ATCACGTGGCtacgctATCACGTGGC
8456	DNA; Synthetic Construct	AACTAGGTCAtgccgctAACTAGGTCAtgctttAACTAGGTCAtgatctAACTAGGT CAtacgctAACTAGGTCAtgccgctAACTAGGTCAtgctttAACTAGGTCAtgatct AACTAGGTCAtacgctAACTAGGTCA
8457	DNA; Synthetic Construct	TGACCTAGTTtgccgctTGACCTAGTTtgctttTGACCTAGTTtgatctTGACCTAG TTtacgctTGACCTAGTTtgccgctTGACCTAGTTtgctttTGACCTAGTTtgatct TGACCTAGTTtacgctTGACCTAGTT
8458	DNA; Synthetic Construct	AATTAGGTCAtgccgctAATTAGGTCAtgctttAATTAGGTCAtgatctAATTAGGT CAtacgctAATTAGGTCAtgccgctAATTAGGTCAtgctttAATTAGGTCAtgatct AATTAGGTCAtacgctAATTAGGTCA
8459	DNA; Synthetic Construct	TGACCTAATTtgccgctTGACCTAATTtgctttTGACCTAATTtgatctTGACCTAA TTtacgctTGACCTAATTtgccgctTGACCTAATTtgctttTGACCTAATTtgatct TGACCTAATTtacgctTGACCTAATT
8460	DNA; Synthetic Construct	CAGATAAGAtacgctCAGATAAGAtgccgctCAGATAAGAtgctttCAGATAAGAtg atctCAGATAAGAtacgctCAGATAAGAtgccgctCAGATAAGAtgctttCAGATAA GAtgatctCAGATAAGAtacgctCAGATAAGA
8461	DNA; Synthetic Construct	TCTTATCTGtacgctTCTTATCTGtgccgctTCTTATCTGtgctttTCTTATCTGtg atctTCTTATCTGtacgctTCTTATCTGtgccgctTCTTATCTGtgctttTCTTATC TGtgatctTCTTATCTGtacgctTCTTATCTG
8462	DNA; Synthetic Construct	CAGATAAGGtacgctCAGATAAGGtgccgctCAGATAAGGtgctttCAGATAAGGtg atctCAGATAAGGtacgctCAGATAAGGtgccgctCAGATAAGGtgctttCAGATAA GGtgatctCAGATAAGGtacgctCAGATAAGG
8463	DNA; Synthetic Construct	CCTTATCTGtacgctCCTTATCTGtgccgctCCTTATCTGtgctttCCTTATCTGtg atctCCTTATCTGtacgctCCTTATCTGtgccgctCCTTATCTGtgctttCCTTATC TGtgatctCCTTATCTGtacgctCCTTATCTG
8464	DNA; Synthetic Construct	CTGATAAGAtacgctCTGATAAGAtgccgctCTGATAAGAtgctttCTGATAAGAtg atctCTGATAAGAtacgctCTGATAAGAtgccgctCTGATAAGAtgctttCTGATAA GAtgatctCTGATAAGAtacgctCTGATAAGA
8465	DNA; Synthetic Construct	TCTTATCAGtacgctTCTTATCAGtgccgctTCTTATCAGtgctttTCTTATCAGtg atctTCTTATCAGtacgctTCTTATCAGtgccgctTCTTATCAGtgctttTCTTATC AGtgatctTCTTATCAGtacgctTCTTATCAG
8466	DNA; Synthetic Construct	CTGATAAGGtacgctCTGATAAGGtgccgctCTGATAAGGtgctttCTGATAAGGtg atctCTGATAAGGtacgctCTGATAAGGtgccgctCTGATAAGGtgctttCTGATAA GGtgatctCTGATAAGGtacgctCTGATAAGG
8467	DNA; Synthetic Construct	CCTTATCAGtacgctCCTTATCAGtgccgctCCTTATCAGtgctttCCTTATCAGtg atctCCTTATCAGtacgctCCTTATCAGtgccgctCCTTATCAGtgctttCCTTATC AGtgatctCCTTATCAGtacgctCCTTATCAG

8468	DNA; Synthetic Construct	GAGATAAGAtacgctGAGATAAGAtgccgctGAGATAAGAtgctttGAGATAAGAtg atctGAGATAAGAtacgctGAGATAAGAtgccgctGAGATAAGAtgctttGAGATAA GAtgatctGAGATAAGAtacgctGAGATAAGA
8469	DNA; Synthetic Construct	TCTTATCTCtacgctTCTTATCTCtgccgctTCTTATCTCtgctttTCTTATCTCtg atctTCTTATCTCtacgctTCTTATCTCtgccgctTCTTATCTCtgctttTCTTATC TCtgatctTCTTATCTCtacgctTCTTATCTC
8470	DNA; Synthetic Construct	GAGATAAGGtacgctGAGATAAGGtgccgctGAGATAAGGtgctttGAGATAAGGtg atctGAGATAAGGtacgctGAGATAAGGtgccgctGAGATAAGGtgctttGAGATAA GGtgatctGAGATAAGGtacgctGAGATAAGG
8471	DNA; Synthetic Construct	CCTTATCTCtacgctCCTTATCTCtgccgctCCTTATCTCtgctttCCTTATCTCtg atctCCTTATCTCtacgctCCTTATCTCtgccgctCCTTATCTCtgctttCCTTATC TCtgatctCCTTATCTCtacgctCCTTATCTC
8472	DNA; Synthetic Construct	GTGATAAGAtacgctGTGATAAGAtgccgctGTGATAAGAtgctttGTGATAAGAtg atctGTGATAAGAtacgctGTGATAAGAtgccgctGTGATAAGAtgctttGTGATAA GAtgatctGTGATAAGAtacgctGTGATAAGA
8473	DNA; Synthetic Construct	TCTTATCACtacgctTCTTATCACtgccgctTCTTATCACtgctttTCTTATCACtg atctTCTTATCACtacgctTCTTATCACtgccgctTCTTATCACtgctttTCTTATC ACtgatctTCTTATCACtacgctTCTTATCAC
8474	DNA; Synthetic Construct	GTGATAAGGtacgctGTGATAAGGtgccgctGTGATAAGGtgctttGTGATAAGGtg atctGTGATAAGGtacgctGTGATAAGGtgccgctGTGATAAGGtgctttGTGATAA GGtgatctGTGATAAGGtacgctGTGATAAGG
8475	DNA; Synthetic Construct	CCTTATCACtacgctCCTTATCACtgccgctCCTTATCACtgctttCCTTATCACtg atctCCTTATCACtacgctCCTTATCACtgccgctCCTTATCACtgctttCCTTATC ACtgatctCCTTATCACtacgctCCTTATCAC
8476	DNA; Synthetic Construct	TAGATAAGAtacgctTAGATAAGAtgccgctTAGATAAGAtgctttTAGATAAGAtg atctTAGATAAGAtacgctTAGATAAGAtgccgctTAGATAAGAtgctttTAGATAA GAtgatctTAGATAAGAtacgctTAGATAAGA
8477	DNA; Synthetic Construct	TCTTATCTAtacgctTCTTATCTAtgccgctTCTTATCTAtgctttTCTTATCTAtg atctTCTTATCTAtacgctTCTTATCTAtgccgctTCTTATCTAtgctttTCTTATC TAtgatctTCTTATCTAtacgctTCTTATCTA
8478	DNA; Synthetic Construct	TAGATAAGGtacgctTAGATAAGGtgccgctTAGATAAGGtgctttTAGATAAGGtg atctTAGATAAGGtacgctTAGATAAGGtgccgctTAGATAAGGtgctttTAGATAA GGtgatctTAGATAAGGtacgctTAGATAAGG
8479	DNA; Synthetic Construct	CCTTATCTAtacgctCCTTATCTAtgccgctCCTTATCTAtgctttCCTTATCTAtg atctCCTTATCTAtacgctCCTTATCTAtgccgctCCTTATCTAtgctttCCTTATC TAtgatctCCTTATCTAtacgctCCTTATCTA
8480	DNA; Synthetic Construct	TTGATAAGAtacgctTTGATAAGAtgccgctTTGATAAGAtgctttTTGATAAGAtg atctTTGATAAGAtacgctTTGATAAGAtgccgctTTGATAAGAtgctttTTGATAA GAtgatctTTGATAAGAtacgctTTGATAAGA
8481	DNA; Synthetic Construct	TCTTATCAAtacgctTCTTATCAAtgccgctTCTTATCAAtgctttTCTTATCAAtg atctTCTTATCAAtacgctTCTTATCAAtgccgctTCTTATCAAtgctttTCTTATC AAtgatctTCTTATCAAtacgctTCTTATCAA
8482	DNA; Synthetic Construct	TTGATAAGGtacgctTTGATAAGGtgccgctTTGATAAGGtgctttTTGATAAGGtg atctTTGATAAGGtacgctTTGATAAGGtgccgctTTGATAAGGtgctttTTGATAA GGtgatctTTGATAAGGtacgctTTGATAAGG
8483	DNA; Synthetic Construct	CCTTATCAAtacgctCCTTATCAAtgccgctCCTTATCAAtgctttCCTTATCAAtg atctCCTTATCAAtacgctCCTTATCAAtgccgctCCTTATCAAtgctttCCTTATC AAtgatctCCTTATCAAtacgctCCTTATCAA
8484	DNA; Synthetic Construct	GGCCAAAGGTCAtgctttGGCCAAAGGTCAtgatctGGCCAAAGGTCAtacgctGGC CAAAGGTCAtgccgctGGCCAAAGGTCAtgctttGGCCAAAGGTCAtgatctGGCCA AAGGTCAtacgctGGCCAAAGGTCA
8485	DNA; Synthetic Construct	TGACCTTTGGCCtgctttTGACCTTTGGCCtgatctTGACCTTTGGCCtacgctTGA CCTTTGGCCtgccgctTGACCTTTGGCCtgctttTGACCTTTGGCCtgatctTGACC TTTGGCCtacgctTGACCTTTGGCC

8486	DNA; Synthetic Construct	GGCCAGAGGTCAtgctttGGCCAGAGGTCAtgatctGGCCAGAGGTCAtacgctGGC CAGAGGTCAtgccgctGGCCAGAGGTCAtgctttGGCCAGAGGTCAtgatctGGCCA GAGGTCAtacgctGGCCAGAGGTCA
8487	DNA; Synthetic Construct	TGACCTCTGGCCtgctttTGACCTCTGGCCtgatctTGACCTCTGGCCtacgctTGA CCTCTGGCCtgccgctTGACCTCTGGCCtgctttTGACCTCTGGCCtgatctTGACC TCTGGCCtacgctTGACCTCTGGCC
8488	DNA; Synthetic Construct	GGGCAAAGGTCAtgctttGGGCAAAGGTCAtgatctGGGCAAAGGTCAtacgctGGG CAAAGGTCAtgccgctGGGCAAAGGTCAtgctttGGGCAAAGGTCAtgatctGGGCA AAGGTCAtacgctGGGCAAAGGTCA
8489	DNA; Synthetic Construct	TGACCTTTGCCCtgctttTGACCTTTGCCCtgatctTGACCTTTGCCCtacgctTGA CCTTTGCCCtgccgctTGACCTTTGCCCtgctttTGACCTTTGCCCtgatctTGACC TTTGCCCtacgctTGACCTTTGCCC
8490	DNA; Synthetic Construct	GGGCAGAGGTCAtgctttGGGCAGAGGTCAtgatctGGGCAGAGGTCAtacgctGGG CAGAGGTCAtgccgctGGGCAGAGGTCAtgctttGGGCAGAGGTCAtgatctGGGCA GAGGTCAtacgctGGGCAGAGGTCA
8491	DNA; Synthetic Construct	TGACCTCTGCCCtgctttTGACCTCTGCCCtgatctTGACCTCTGCCCtacgctTGA CCTCTGCCCtgccgctTGACCTCTGCCCtgctttTGACCTCTGCCCtgatctTGACC TCTGCCCtacgctTGACCTCTGCCC
8492	DNA; Synthetic Construct	GGTCAAAGGTCAtgctttGGTCAAAGGTCAtgatctGGTCAAAGGTCAtacgctGGT CAAAGGTCAtgccgctGGTCAAAGGTCAtgctttGGTCAAAGGTCAtgatctGGTCA AAGGTCAtacgctGGTCAAAGGTCA
8493	DNA; Synthetic Construct	TGACCTTTGACCtgctttTGACCTTTGACCtgatctTGACCTTTGACCtacgctTGA CCTTTGACCtgccgctTGACCTTTGACCtgctttTGACCTTTGACCtgatctTGACC TTTGACCtacgctTGACCTTTGACC
8494	DNA; Synthetic Construct	GGTCAGAGGTCAtgctttGGTCAGAGGTCAtgatctGGTCAGAGGTCAtacgctGGT CAGAGGTCAtgccgctGGTCAGAGGTCAtgctttGGTCAGAGGTCAtgatctGGTCA GAGGTCAtacgctGGTCAGAGGTCA
8495	DNA; Synthetic Construct	TGACCTCTGACCtgctttTGACCTCTGACCtgatctTGACCTCTGACCtacgctTGA CCTCTGACCtgccgctTGACCTCTGACCtgctttTGACCTCTGACCtgatctTGACC TCTGACCtacgctTGACCTCTGACC
8496	DNA; Synthetic Construct	GTCCAAAGGTCAtgctttGTCCAAAGGTCAtgatctGTCCAAAGGTCAtacgctGTC CAAAGGTCAtgccgctGTCCAAAGGTCAtgctttGTCCAAAGGTCAtgatctGTCCA AAGGTCAtacgctGTCCAAAGGTCA
8497	DNA; Synthetic Construct	TGACCTTTGGACtgctttTGACCTTTGGACtgatctTGACCTTTGGACtacgctTGA CCTTTGGACtgccgctTGACCTTTGGACtgctttTGACCTTTGGACtgatctTGACC TTTGGACtacgctTGACCTTTGGAC
8498	DNA; Synthetic Construct	GTCCAGAGGTCAtgctttGTCCAGAGGTCAtgatctGTCCAGAGGTCAtacgctGTC CAGAGGTCAtgccgctGTCCAGAGGTCAtgctttGTCCAGAGGTCAtgatctGTCCA GAGGTCAtacgctGTCCAGAGGTCA
8499	DNA; Synthetic Construct	TGACCTCTGGACtgctttTGACCTCTGGACtgatctTGACCTCTGGACtacgctTGA CCTCTGGACtgccgctTGACCTCTGGACtgctttTGACCTCTGGACtgatctTGACC TCTGGACtacgctTGACCTCTGGAC
8500	DNA; Synthetic Construct	GTGCAAAGGTCAtgctttGTGCAAAGGTCAtgatctGTGCAAAGGTCAtacgctGTG CAAAGGTCAtgccgctGTGCAAAGGTCAtgctttGTGCAAAGGTCAtgatctGTGCA AAGGTCAtacgctGTGCAAAGGTCA
8501	DNA; Synthetic Construct	TGACCTTTGCACtgctttTGACCTTTGCACtgatctTGACCTTTGCACtacgctTGA CCTTTGCACtgccgctTGACCTTTGCACtgctttTGACCTTTGCACtgatctTGACC TTTGCACtacgctTGACCTTTGCAC
8502	DNA; Synthetic Construct	GTGCAGAGGTCAtgctttGTGCAGAGGTCAtgatctGTGCAGAGGTCAtacgctGTG CAGAGGTCAtgccgctGTGCAGAGGTCAtgctttGTGCAGAGGTCAtgatctGTGCA GAGGTCAtacgctGTGCAGAGGTCA
8503	DNA; Synthetic Construct	TGACCTCTGCACtgctttTGACCTCTGCACtgatctTGACCTCTGCACtacgctTGA CCTCTGCACtgccgctTGACCTCTGCACtgctttTGACCTCTGCACtgatctTGACC TCTGCACtacgctTGACCTCTGCAC

8504	DNA; Synthetic Construct	GTTCAAAGGTCAtgctttGTTCAAAGGTCAtgatctGTTCAAAGGTCAtacgctGTT CAAAGGTCAtgccgctGTTCAAAGGTCAtgctttGTTCAAAGGTCAtgatctGTTCA AAGGTCAtacgctGTTCAAAGGTCA
8505	DNA; Synthetic Construct	TGACCTTTGAACtgctttTGACCTTTGAACtgatctTGACCTTTGAACtacgctTGA CCTTTGAACtgccgctTGACCTTTGAACtgctttTGACCTTTGAACtgatctTGACC TTTGAACtacgctTGACCTTTGAAC
8506	DNA; Synthetic Construct	GTTCAGAGGTCAtgctttGTTCAGAGGTCAtgatctGTTCAGAGGTCAtacgctGTT CAGAGGTCAtgccgctGTTCAGAGGTCAtgctttGTTCAGAGGTCAtgatctGTTCA GAGGTCAtacgctGTTCAGAGGTCA
8507	DNA; Synthetic Construct	TGACCTCTGAACtgctttTGACCTCTGAACtgatctTGACCTCTGAACtacgctTGA CCTCTGAACtgccgctTGACCTCTGAACtgctttTGACCTCTGAACtgatctTGACC TCTGAACtacgctTGACCTCTGAAC
8508	DNA; Synthetic Construct	AGCTAGCCCCTGCCTACCtacgctAGCTAGCCCCTGCCTACCtgccgctAGCTAGCC CCTGCCTACCtgctttAGCTAGCCCCTGCCTACCtgatctAGCTAGCCCCTGCCTAC CtacgctAGCTAGCCCCTGCCTACC
8509	DNA; Synthetic Construct	GGTAGGCAGGGGCTAGCTtacgctGGTAGGCAGGGGCTAGCTtgccgctGGTAGGCA GGGGCTAGCTtgctttGGTAGGCAGGGGCTAGCTtgatctGGTAGGCAGGGGCTAGC TtacgctGGTAGGCAGGGGCTAGCT
8510	DNA; Synthetic Construct	AGCTAGCCCCTTCCTACCtacgctAGCTAGCCCCTTCCTACCtgccgctAGCTAGCC CCTTCCTACCtgctttAGCTAGCCCCTTCCTACCtgatctAGCTAGCCCCTTCCTAC CtacgctAGCTAGCCCCTTCCTACC
8511	DNA; Synthetic Construct	GGTAGGAAGGGGCTAGCTtacgctGGTAGGAAGGGGCTAGCTtgccgctGGTAGGAA GGGGCTAGCTtgctttGGTAGGAAGGGGCTAGCTtgatctGGTAGGAAGGGGCTAGC TtacgctGGTAGGAAGGGGCTAGCT
8512	DNA; Synthetic Construct	ATCTAGCCCCTGCCTACCtacgctATCTAGCCCCTGCCTACCtgccgctATCTAGCC CCTGCCTACCtgctttATCTAGCCCCTGCCTACCtgatctATCTAGCCCCTGCCTAC CtacgctATCTAGCCCCTGCCTACC
8513	DNA; Synthetic Construct	GGTAGGCAGGGGCTAGATtacgctGGTAGGCAGGGGCTAGATtgccgctGGTAGGCA GGGGCTAGATtgctttGGTAGGCAGGGGCTAGATtgatctGGTAGGCAGGGGCTAGA TtacgctGGTAGGCAGGGGCTAGAT
8514	DNA; Synthetic Construct	ATCTAGCCCCTTCCTACCtacgctATCTAGCCCCTTCCTACCtgccgctATCTAGCC CCTTCCTACCtgctttATCTAGCCCCTTCCTACCtgatctATCTAGCCCCTTCCTAC CtacgctATCTAGCCCCTTCCTACC
8515	DNA; Synthetic Construct	GGTAGGAAGGGGCTAGATtacgctGGTAGGAAGGGGCTAGATtgccgctGGTAGGAA GGGGCTAGATtgctttGGTAGGAAGGGGCTAGATtgatctGGTAGGAAGGGGCTAGA TtacgctGGTAGGAAGGGGCTAGAT
8516	DNA; Synthetic Construct	GGCTAGCCCCTGCCTACCtacgctGGCTAGCCCCTGCCTACCtgccgctGGCTAGCC CCTGCCTACCtgctttGGCTAGCCCCTGCCTACCtgatctGGCTAGCCCCTGCCTAC CtacgctGGCTAGCCCCTGCCTACC
8517	DNA; Synthetic Construct	GGTAGGCAGGGGCTAGCCtacgctGGTAGGCAGGGGCTAGCCtgccgctGGTAGGCA GGGGCTAGCCtgctttGGTAGGCAGGGGCTAGCCtgatctGGTAGGCAGGGGCTAGC CtacgctGGTAGGCAGGGGCTAGCC
8518	DNA; Synthetic Construct	GGCTAGCCCCTTCCTACCtacgctGGCTAGCCCCTTCCTACCtgccgctGGCTAGCC CCTTCCTACCtgctttGGCTAGCCCCTTCCTACCtgatctGGCTAGCCCCTTCCTAC CtacgctGGCTAGCCCCTTCCTACC
8519	DNA; Synthetic Construct	GGTAGGAAGGGGCTAGCCtacgctGGTAGGAAGGGGCTAGCCtgccgctGGTAGGAA GGGGCTAGCCtgctttGGTAGGAAGGGGCTAGCCtgatctGGTAGGAAGGGGCTAGC CtacgctGGTAGGAAGGGGCTAGCC
8520	DNA; Synthetic Construct	GTCTAGCCCCTGCCTACCtacgctGTCTAGCCCCTGCCTACCtgccgctGTCTAGCC CCTGCCTACCtgctttGTCTAGCCCCTGCCTACCtgatctGTCTAGCCCCTGCCTAC CtacgctGTCTAGCCCCTGCCTACC
8521	DNA; Synthetic Construct	GGTAGGCAGGGGCTAGACtacgctGGTAGGCAGGGGCTAGACtgccgctGGTAGGCA GGGGCTAGACtgctttGGTAGGCAGGGGCTAGACtgatctGGTAGGCAGGGGCTAGA CtacgctGGTAGGCAGGGGCTAGAC

8522	DNA; Synthetic Construct	GTCTAGCCCCTTCCTACCtacgctGTCTAGCCCCTTCCTACCtgccgctGTCTAGCC CCTTCCTACCtgctttGTCTAGCCCCTTCCTACCtgatctGTCTAGCCCCTTCCTAC CtacgctGTCTAGCCCCTTCCTACC
8523	DNA; Synthetic Construct	GGTAGGAAGGGGCTAGACtacgctGGTAGGAAGGGGCTAGACtgccgctGGTAGGAA GGGGCTAGACtgctttGGTAGGAAGGGGCTAGACtgatctGGTAGGAAGGGGCTAGA CtacgctGGTAGGAAGGGGCTAGAC
8524	DNA; Synthetic Construct	AAACTAGGTCAAAtgctttAAACTAGGTCAAAtgatctAAACTAGGTCAAAtacgct AAACTAGGTCAAAtgccgctAAACTAGGTCAAAtgctttAAACTAGGTCAAAtgatc tAAACTAGGTCAAAtacgctAAACTAGGTCAAA
8525	DNA; Synthetic Construct	TTTGACCTAGTTTtgctttTTTGACCTAGTTTtgatctTTTGACCTAGTTTtacgct TTTGACCTAGTTTtgccgctTTTGACCTAGTTTtgctttTTTGACCTAGTTTtgatc tTTTGACCTAGTTTtacgctTTTGACCTAGTTT
8526	DNA; Synthetic Construct	AAACTAGGTCAAGtgctttAAACTAGGTCAAGtgatctAAACTAGGTCAAGtacgct AAACTAGGTCAAGtgccgctAAACTAGGTCAAGtgctttAAACTAGGTCAAGtgatc tAAACTAGGTCAAGtacgctAAACTAGGTCAAG
8527	DNA; Synthetic Construct	CTTGACCTAGTTTtgctttCTTGACCTAGTTTtgatctCTTGACCTAGTTTtacgct CTTGACCTAGTTTtgccgctCTTGACCTAGTTTtgctttCTTGACCTAGTTTtgatc tCTTGACCTAGTTTtacgctCTTGACCTAGTTT
8528	DNA; Synthetic Construct	AAACTAGGTCAATtgctttAAACTAGGTCAATtgatctAAACTAGGTCAATtacgct AAACTAGGTCAATtgccgctAAACTAGGTCAATtgctttAAACTAGGTCAATtgatc tAAACTAGGTCAATtacgctAAACTAGGTCAAT
8529	DNA; Synthetic Construct	ATTGACCTAGTTTtgctttATTGACCTAGTTTtgatctATTGACCTAGTTTtacgct ATTGACCTAGTTTtgccgctATTGACCTAGTTTtgctttATTGACCTAGTTTtgatc tATTGACCTAGTTTtacgctATTGACCTAGTTT
8530	DNA; Synthetic Construct	AAACTAGGTCAGAtgctttAAACTAGGTCAGAtgatctAAACTAGGTCAGAtacgct AAACTAGGTCAGAtgccgctAAACTAGGTCAGAtgctttAAACTAGGTCAGAtgatc tAAACTAGGTCAGAtacgctAAACTAGGTCAGA
8531	DNA; Synthetic Construct	TCTGACCTAGTTTtgctttTCTGACCTAGTTTtgatctTCTGACCTAGTTTtacgct TCTGACCTAGTTTtgccgctTCTGACCTAGTTTtgctttTCTGACCTAGTTTtgatc tTCTGACCTAGTTTtacgctTCTGACCTAGTTT
8532	DNA; Synthetic Construct	AAACTAGGTCAGGtgctttAAACTAGGTCAGGtgatctAAACTAGGTCAGGtacgct AAACTAGGTCAGGtgccgctAAACTAGGTCAGGtgctttAAACTAGGTCAGGtgatc tAAACTAGGTCAGGtacgctAAACTAGGTCAGG
8533	DNA; Synthetic Construct	CCTGACCTAGTTTtgctttCCTGACCTAGTTTtgatctCCTGACCTAGTTTtacgct CCTGACCTAGTTTtgccgctCCTGACCTAGTTTtgctttCCTGACCTAGTTTtgatc tCCTGACCTAGTTTtacgctCCTGACCTAGTTT
8534	DNA; Synthetic Construct	AAACTAGGTCAGTtgctttAAACTAGGTCAGTtgatctAAACTAGGTCAGTtacgct AAACTAGGTCAGTtgccgctAAACTAGGTCAGTtgctttAAACTAGGTCAGTtgatc tAAACTAGGTCAGTtacgctAAACTAGGTCAGT
8535	DNA; Synthetic Construct	ACTGACCTAGTTTtgctttACTGACCTAGTTTtgatctACTGACCTAGTTTtacgct ACTGACCTAGTTTtgccgctACTGACCTAGTTTtgctttACTGACCTAGTTTtgatc tACTGACCTAGTTTtacgctACTGACCTAGTTT
8536	DNA; Synthetic Construct	AATCTAGGTCAAAtgctttAATCTAGGTCAAAtgatctAATCTAGGTCAAAtacgct AATCTAGGTCAAAtgccgctAATCTAGGTCAAAtgctttAATCTAGGTCAAAtgatc tAATCTAGGTCAAAtacgctAATCTAGGTCAAA
8537	DNA; Synthetic Construct	TTTGACCTAGATTtgctttTTTGACCTAGATTtgatctTTTGACCTAGATTtacgct TTTGACCTAGATTtgccgctTTTGACCTAGATTtgctttTTTGACCTAGATTtgatc tTTTGACCTAGATTtacgctTTTGACCTAGATT
8538	DNA; Synthetic Construct	AATCTAGGTCAAGtgctttAATCTAGGTCAAGtgatctAATCTAGGTCAAGtacgct AATCTAGGTCAAGtgccgctAATCTAGGTCAAGtgctttAATCTAGGTCAAGtgatc tAATCTAGGTCAAGtacgctAATCTAGGTCAAG
8539	DNA; Synthetic Construct	CTTGACCTAGATTtgctttCTTGACCTAGATTtgatctCTTGACCTAGATTtacgct CTTGACCTAGATTtgccgctCTTGACCTAGATTtgctttCTTGACCTAGATTtgatc tCTTGACCTAGATTtacgctCTTGACCTAGATT

8540	DNA; Synthetic Construct	AATCTAGGTCAATtgctttAATCTAGGTCAATtgatctAATCTAGGTCAATtacgct AATCTAGGTCAATtgccgctAATCTAGGTCAATtgctttAATCTAGGTCAATtgatc tAATCTAGGTCAATtacgctAATCTAGGTCAAT
8541	DNA; Synthetic Construct	ATTGACCTAGATTtgctttATTGACCTAGATTtgatctATTGACCTAGATTtacgct ATTGACCTAGATTtgccgctATTGACCTAGATTtgctttATTGACCTAGATTtgatc tATTGACCTAGATTtacgctATTGACCTAGATT
8542	DNA; Synthetic Construct	AATCTAGGTCAGAtgctttAATCTAGGTCAGAtgatctAATCTAGGTCAGAtacgct AATCTAGGTCAGAtgccgctAATCTAGGTCAGAtgctttAATCTAGGTCAGAtgatc tAATCTAGGTCAGAtacgctAATCTAGGTCAGA
8543	DNA; Synthetic Construct	TCTGACCTAGATTtgctttTCTGACCTAGATTtgatctTCTGACCTAGATTtacgct TCTGACCTAGATTtgccgctTCTGACCTAGATTtgctttTCTGACCTAGATTtgatc tTCTGACCTAGATTtacgctTCTGACCTAGATT
8544	DNA; Synthetic Construct	AATCTAGGTCAGGtgctttAATCTAGGTCAGGtgatctAATCTAGGTCAGGtacgct AATCTAGGTCAGGtgccgctAATCTAGGTCAGGtgctttAATCTAGGTCAGGtgatc tAATCTAGGTCAGGtacgctAATCTAGGTCAGG
8545	DNA; Synthetic Construct	CCTGACCTAGATTtgctttCCTGACCTAGATTtgatctCCTGACCTAGATTtacgct CCTGACCTAGATTtgccgctCCTGACCTAGATTtgctttCCTGACCTAGATTtgatc tCCTGACCTAGATTtacgctCCTGACCTAGATT
8546	DNA; Synthetic Construct	AATCTAGGTCAGTtgctttAATCTAGGTCAGTtgatctAATCTAGGTCAGTtacgct AATCTAGGTCAGTtgccgctAATCTAGGTCAGTtgctttAATCTAGGTCAGTtgatc tAATCTAGGTCAGTtacgctAATCTAGGTCAGT
8547	DNA; Synthetic Construct	ACTGACCTAGATTtgctttACTGACCTAGATTtgatctACTGACCTAGATTtacgct ACTGACCTAGATTtgccgctACTGACCTAGATTtgctttACTGACCTAGATTtgatc tACTGACCTAGATTtacgctACTGACCTAGATT
8548	DNA; Synthetic Construct	GGACATAACGTGCCtgatctGGACATAACGTGCCtacgctGGACATAACGTGCCtgc cgctGGACATAACGTGCCtgctttGGACATAACGTGCCtgatctGGACATAACGTGC CtacgctGGACATAACGTGCC
8549	DNA; Synthetic Construct	GGCACGTTATGTCCtgatctGGCACGTTATGTCCtacgctGGCACGTTATGTCCtgc cgctGGCACGTTATGTCCtgctttGGCACGTTATGTCCtgatctGGCACGTTATGTC CtacgctGGCACGTTATGTCC
8550	DNA; Synthetic Construct	GGACATAACGTGCTtgatctGGACATAACGTGCTtacgctGGACATAACGTGCTtgc cgctGGACATAACGTGCTtgctttGGACATAACGTGCTtgatctGGACATAACGTGC TtacgctGGACATAACGTGCT
8551	DNA; Synthetic Construct	AGCACGTTATGTCCtgatctAGCACGTTATGTCCtacgctAGCACGTTATGTCCtgc cgctAGCACGTTATGTCCtgctttAGCACGTTATGTCCtgatctAGCACGTTATGTC CtacgctAGCACGTTATGTCC
8552	DNA; Synthetic Construct	GGACATAATGTGCCtgatctGGACATAATGTGCCtacgctGGACATAATGTGCCtgc cgctGGACATAATGTGCCtgctttGGACATAATGTGCCtgatctGGACATAATGTGC CtacgctGGACATAATGTGCC
8553	DNA; Synthetic Construct	GGCACATTATGTCCtgatctGGCACATTATGTCCtacgctGGCACATTATGTCCtgc cgctGGCACATTATGTCCtgctttGGCACATTATGTCCtgatctGGCACATTATGTC CtacgctGGCACATTATGTCC
8554	DNA; Synthetic Construct	GGACATAATGTGCTtgatctGGACATAATGTGCTtacgctGGACATAATGTGCTtgc cgctGGACATAATGTGCTtgctttGGACATAATGTGCTtgatctGGACATAATGTGC TtacgctGGACATAATGTGCT
8555	DNA; Synthetic Construct	AGCACATTATGTCCtgatctAGCACATTATGTCCtacgctAGCACATTATGTCCtgc cgctAGCACATTATGTCCtgctttAGCACATTATGTCCtgatctAGCACATTATGTC CtacgctAGCACATTATGTCC
8556	DNA; Synthetic Construct	GGTGCTGACAGGtgctttGGTGCTGACAGGtgatctGGTGCTGACAGGtacgctGGT GCTGACAGGtgccgctGGTGCTGACAGGtgctttGGTGCTGACAGGtgatctGGTGC TGACAGGtacgctGGTGCTGACAGG
8557	DNA; Synthetic Construct	CCTGTCAGCACCtgctttCCTGTCAGCACCtgatctCCTGTCAGCACCtacgctCCT GTCAGCACCtgccgctCCTGTCAGCACCtgctttCCTGTCAGCACCtgatctCCTGT CAGCACCtacgctCCTGTCAGCACC

8558	DNA; Synthetic Construct	GGTGCTGACAGCtgctttGGTGCTGACAGCtgatctGGTGCTGACAGCtacgctGGT GCTGACAGCtgccgctGGTGCTGACAGCtgctttGGTGCTGACAGCtgatctGGTGC TGACAGCtacgctGGTGCTGACAGC
8559	DNA; Synthetic Construct	GCTGTCAGCACCtgctttGCTGTCAGCACCtgatctGCTGTCAGCACCtacgctGCT GTCAGCACCtgccgctGCTGTCAGCACCtgctttGCTGTCAGCACCtgatctGCTGT CAGCACCtacgctGCTGTCAGCACC
8560	DNA; Synthetic Construct	GGTGTTGACAGGtgctttGGTGTTGACAGGtgatctGGTGTTGACAGGtacgctGGT GTTGACAGGtgccgctGGTGTTGACAGGtgctttGGTGTTGACAGGtgatctGGTGT TGACAGGtacgctGGTGTTGACAGG
8561	DNA; Synthetic Construct	CCTGTCAACACCtgctttCCTGTCAACACCtgatctCCTGTCAACACCtacgctCCT GTCAACACCtgccgctCCTGTCAACACCtgctttCCTGTCAACACCtgatctCCTGT CAACACCtacgctCCTGTCAACACC
8562	DNA; Synthetic Construct	GGTGTTGACAGCtgctttGGTGTTGACAGCtgatctGGTGTTGACAGCtacgctGGT GTTGACAGCtgccgctGGTGTTGACAGCtgctttGGTGTTGACAGCtgatctGGTGT TGACAGCtacgctGGTGTTGACAGC
8563	DNA; Synthetic Construct	GCTGTCAACACCtgctttGCTGTCAACACCtgatctGCTGTCAACACCtacgctGCT GTCAACACCtgccgctGCTGTCAACACCtgctttGCTGTCAACACCtgatctGCTGT CAACACCtacgctGCTGTCAACACC
8564	DNA; Synthetic Construct	TTAATTGTTTGTtgcttttTAATTGTTTGTtgatctTTAATTGTTTGTtacgcttTTA ATTGTTTGTtgccgctTTAATTGTTTGTtgctttTTAATTGTTTGTtgatctTTAAT TGTTTGTtacgctTTAATTGTTTGT
8565	DNA; Synthetic Construct	ACAAACAATTAAtgctttACAAACAATTAAtgatctACAAACAATTAAtacgctACA AACAATTAAtgccgctACAAACAATTAAtgctttACAAACAATTAAtgatctACAAA CAATTAAtacgctACAAACAATTAA
8566	DNA; Synthetic Construct	TTAATTGTTTTTgcttttTAATTGTTTTTgatctTTAATTGTTTTTtacgcttTTA ATTGTTTTTgccgctTTAATTGTTTTTgctttTTAATTGTTTTTgatctTTAAT TGTTTTTtacgctTTAATTGTTTTT
8567	DNA; Synthetic Construct	AAAAACAATTAAtgctttAAAAACAATTAAtgatctAAAAACAATTAAtacgctAAA AACAATTAAtgccgctAAAAACAATTAAtgctttAAAAACAATTAAtgatctAAAAA CAATTAAtacgctAAAAACAATTAA
8568	DNA; Synthetic Construct	ACCCCACTCCTGGTAtgatctACCCCACTCCTGGTAtacgctACCCCACTCCTGGTA tgccgctACCCCACTCCTGGTAtgctttACCCCACTCCTGGTAtgatctACCCCACT CCTGGTAtacgctACCCCACTCCTGGTA
8569	DNA; Synthetic Construct	TACCAGGAGTGGGGTtgatctTACCAGGAGTGGGGTtacgctTACCAGGAGTGGGGT tgccgctTACCAGGAGTGGGGTtgctttTACCAGGAGTGGGGTtgatctTACCAGGA GTGGGGTtacgctTACCAGGAGTGGGGT
8570	DNA; Synthetic Construct	ACCCCACTCCTGGTCtgatctACCCCACTCCTGGTCtacgctACCCCACTCCTGGTC tgccgctACCCCACTCCTGGTCtgctttACCCCACTCCTGGTCtgatctACCCCACT CCTGGTCtacgctACCCCACTCCTGGTC
8571	DNA; Synthetic Construct	GACCAGGAGTGGGGTtgatctGACCAGGAGTGGGGTtacgctGACCAGGAGTGGGGT tgccgctGACCAGGAGTGGGGTtgctttGACCAGGAGTGGGGTtgatctGACCAGGA GTGGGGTtacgctGACCAGGAGTGGGGT
8572	DNA; Synthetic Construct	CGAAACCGAAACCtgctttCGAAACCGAAACCtgatctCGAAACCGAAACCtacgct CGAAACCGAAACCtgccgctCGAAACCGAAACCtgctttCGAAACCGAAACCtgatc tCGAAACCGAAACCtacgctCGAAACCGAAACC
8573	DNA; Synthetic Construct	GGTTTCGGTTTCGtgctttGGTTTCGGTTTCGtgatctGGTTTCGGTTTCGtacgct GGTTTCGGTTTCGtgccgctGGTTTCGGTTTCGtgctttGGTTTCGGTTTCGtgatc tGGTTTCGGTTTCGtacgctGGTTTCGGTTTCG
8574	DNA; Synthetic Construct	CGAAACCGAAACTtgctttCGAAACCGAAACTtgatctCGAAACCGAAACTtacgct CGAAACCGAAACTtgccgctCGAAACCGAAACTtgctttCGAAACCGAAACTtgatc tCGAAACCGAAACTtacgctCGAAACCGAAACT
8575	DNA; Synthetic Construct	AGTTTCGGTTTCGtgctttAGTTTCGGTTTCGtgatctAGTTTCGGTTTCGtacgct AGTTTCGGTTTCGtgccgctAGTTTCGGTTTCGtgctttAGTTTCGGTTTCGtgatc tAGTTTCGGTTTCGtacgctAGTTTCGGTTTCG

8576	DNA; Synthetic Construct	ACTTTCCATtacgctACTTTCCATtgccgctACTTTCCATtgctttACTTTCCATtg atctACTTTCCATtacgctACTTTCCATtgccgctACTTTCCATtgctttACTTTCC ATtgatctACTTTCCATtacgctACTTTCCAT
8577	DNA; Synthetic Construct	ATGGAAAGTtacgctATGGAAAGTtgccgctATGGAAAGTtgctttATGGAAAGTtg atctATGGAAAGTtacgctATGGAAAGTtgccgctATGGAAAGTtgctttATGGAAA GTtgatctATGGAAAGTtacgctATGGAAAGT
8578	DNA; Synthetic Construct	ACTTTCCGTtacgctACTTTCCGTtgccgctACTTTCCGTtgctttACTTTCCGTtg atctACTTTCCGTtacgctACTTTCCGTtgccgctACTTTCCGTtgctttACTTTCC GTtgatctACTTTCCGTtacgctACTTTCCGT
8579	DNA; Synthetic Construct	ACGGAAAGTtacgctACGGAAAGTtgccgctACGGAAAGTtgctttACGGAAAGTtg atctACGGAAAGTtacgctACGGAAAGTtgccgctACGGAAAGTtgctttACGGAAA GTtgatctACGGAAAGTtacgctACGGAAAGT
8580	DNA; Synthetic Construct	TCTTTCCATtacgctTCTTTCCATtgccgctTCTTTCCATtgctttTCTTTCCATtg atctTCTTTCCATtacgctTCTTTCCATtgccgctTCTTTCCATtgctttTCTTTCC ATtgatctTCTTTCCATtacgctTCTTTCCAT
8581	DNA; Synthetic Construct	ATGGAAAGAtacgctATGGAAAGAtgccgctATGGAAAGAtgctttATGGAAAGAtg atctATGGAAAGAtacgctATGGAAAGAtgccgctATGGAAAGAtgctttATGGAAA GAtgatctATGGAAAGAtacgctATGGAAAGA
8582	DNA; Synthetic Construct	TCTTTCCGTtacgctTCTTTCCGTtgccgctTCTTTCCGTtgctttTCTTTCCGTtg atctTCTTTCCGTtacgctTCTTTCCGTtgccgctTCTTTCCGTtgctttTCTTTCC GTtgatctTCTTTCCGTtacgctTCTTTCCGT
8583	DNA; Synthetic Construct	ACGGAAAGAtacgctACGGAAAGAtgccgctACGGAAAGAtgctttACGGAAAGAtg atctACGGAAAGAtacgctACGGAAAGAtgccgctACGGAAAGAtgctttACGGAAA GAtgatctACGGAAAGAtacgctACGGAAAGA
8584	DNA; Synthetic Construct	ATATAGGGGtacgctATATAGGGGtgccgctATATAGGGGtgctttATATAGGGGtg atctATATAGGGGtacgctATATAGGGGtgccgctATATAGGGGtgctttATATAGG GGtgatctATATAGGGGtacgctATATAGGGG
8585	DNA; Synthetic Construct	CCCCTATATtacgctCCCCTATATtgccgctCCCCTATATtgctttCCCCTATATtg atctCCCCTATATtacgctCCCCTATATtgccgctCCCCTATATtgctttCCCCTAT ATtgatctCCCCTATATtacgctCCCCTATAT
8586	DNA; Synthetic Construct	CTATAGGGGtacgctCTATAGGGGtgccgctCTATAGGGGtgctttCTATAGGGGtg atctCTATAGGGGtacgctCTATAGGGGtgccgctCTATAGGGGtgctttCTATAGG GGtgatctCTATAGGGGtacgctCTATAGGGG
8587	DNA; Synthetic Construct	CCCCTATAGtacgctCCCCTATAGtgccgctCCCCTATAGtgctttCCCCTATAGtg atctCCCCTATAGtacgctCCCCTATAGtgccgctCCCCTATAGtgctttCCCCTAT AGtgatctCCCCTATAGtacgctCCCCTATAG
8588	DNA; Synthetic Construct	AATGACGTCATtgccgctAATGACGTCATtgctttAATGACGTCATtgatctAATGA CGTCATtacgctAATGACGTCATtgccgctAATGACGTCATtgctttAATGACGTCA TtgatctAATGACGTCATtacgctAATGACGTCAT
8589	DNA; Synthetic Construct	ATGACGTCATTtgccgctATGACGTCATTtgctttATGACGTCATTtgatctATGAC GTCATTtacgctATGACGTCATTtgccgctATGACGTCATTtgctttATGACGTCAT TtgatctATGACGTCATTtacgctATGACGTCATT
8590	DNA; Synthetic Construct	AGTGACGTCATtgccgctAGTGACGTCATtgctttAGTGACGTCATtgatctAGTGA CGTCATtacgctAGTGACGTCATtgccgctAGTGACGTCATtgctttAGTGACGTCA TtgatctAGTGACGTCATtacgctAGTGACGTCAT
8591	DNA; Synthetic Construct	ATGACGTCACTtgccgctATGACGTCACTtgctttATGACGTCACTtgatctATGAC GTCACTtacgctATGACGTCACTtgccgctATGACGTCACTtgctttATGACGTCAC TtgatctATGACGTCACTtacgctATGACGTCACT
8592	DNA; Synthetic Construct	GATGACGTCATtgccgctGATGACGTCATtgctttGATGACGTCATtgatctGATGA CGTCATtacgctGATGACGTCATtgccgctGATGACGTCATtgctttGATGACGTCA TtgatctGATGACGTCATtacgctGATGACGTCAT
8593	DNA; Synthetic Construct	ATGACGTCATCtgccgctATGACGTCATCtgctttATGACGTCATCtgatctATGAC GTCATCtacgctATGACGTCATCtgccgctATGACGTCATCtgctttATGACGTCAT CtgatctATGACGTCATCtacgctATGACGTCATC

8594	DNA; Synthetic Construct	GGTGACGTCATtgccgctGGTGACGTCATtgctttGGTGACGTCATtgatctGGTGA CGTCATtacgctGGTGACGTCATtgccgctGGTGACGTCATtgctttGGTGACGTCA TtgatctGGTGACGTCATtacgctGGTGACGTCAT
8595	DNA; Synthetic Construct	ATGACGTCACCtgccgctATGACGTCACCtgctttATGACGTCACCtgatctATGAC GTCACCtacgctATGACGTCACCtgccgctATGACGTCACCtgctttATGACGTCAC CtgatctATGACGTCACCtacgctATGACGTCACC
8596	DNA; Synthetic Construct	GGTTTATtgatctGGTTTATtacgctGGTTTATtgccgctGGTTTATtgctttGGTT TATtgatctGGTTTATtacgctGGTTTATtgccgctGGTTTATtgctttGGTTTATt gatctGGTTTATtacgctGGTTTAT
8597	DNA; Synthetic Construct	ATAAACCtgatctATAAACCtacgctATAAACCtgccgctATAAACCtgctttATAA ACCtgatctATAAACCtacgctATAAACCtgccgctATAAACCtgctttATAAACCt gatctATAAACCtacgctATAAACC
8598	DNA; Synthetic Construct	GGTTTCTtgatctGGTTTCTtacgctGGTTTCTtgccgctGGTTTCTtgctttGGTT TCTtgatctGGTTTCTtacgctGGTTTCTtgccgctGGTTTCTtgctttGGTTTCTt gatctGGTTTCTtacgctGGTTTCT
8599	DNA; Synthetic Construct	AGAAACCtgatctAGAAACCtacgctAGAAACCtgccgctAGAAACCtgctttAGAA ACCtgatctAGAAACCtacgctAGAAACCtgccgctAGAAACCtgctttAGAAACCt gatctAGAAACCtacgctAGAAACC
8600	DNA; Synthetic Construct	AGTAAACAAtacgctAGTAAACAAtgccgctAGTAAACAAtgctttAGTAAACAAtg atctAGTAAACAAtacgctAGTAAACAAtgccgctAGTAAACAAtgctttAGTAAAC AAtgatctAGTAAACAAtacgctAGTAAACAA
8601	DNA; Synthetic Construct	TTGTTTACTtacgctTTGTTTACTtgccgctTTGTTTACTtgctttTTGTTTACTtg atctTTGTTTACTtacgctTTGTTTACTtgccgctTTGTTTACTtgctttTTGTTTA CTtgatctTTGTTTACTtacgctTTGTTTACT
8602	DNA; Synthetic Construct	AGTAAACAGtacgctAGTAAACAGtgccgctAGTAAACAGtgctttAGTAAACAGtg atctAGTAAACAGtacgctAGTAAACAGtgccgctAGTAAACAGtgctttAGTAAAC AGtgatctAGTAAACAGtacgctAGTAAACAG
8603	DNA; Synthetic Construct	CTGTTTACTtacgctCTGTTTACTtgccgctCTGTTTACTtgctttCTGTTTACTtg atctCTGTTTACTtacgctCTGTTTACTtgccgctCTGTTTACTtgctttCTGTTTA CTtgatctCTGTTTACTtacgctCTGTTTACT
8604	DNA; Synthetic Construct	TGTAAACAAtacgctTGTAAACAAtgccgctTGTAAACAAtgctttTGTAAACAAtg atctTGTAAACAAtacgctTGTAAACAAtgccgctTGTAAACAAtgctttTGTAAAC AAtgatctTGTAAACAAtacgctTGTAAACAA
8605	DNA; Synthetic Construct	TTGTTTACAtacgctTTGTTTACAtgccgctTTGTTTACAtgctttTTGTTTACAtg atctTTGTTTACAtacgctTTGTTTACAtgccgctTTGTTTACAtgctttTTGTTTA CAtgatctTTGTTTACAtacgctTTGTTTACA
8606	DNA; Synthetic Construct	TGTAAACAGtacgctTGTAAACAGtgccgctTGTAAACAGtgctttTGTAAACAGtg atctTGTAAACAGtacgctTGTAAACAGtgccgctTGTAAACAGtgctttTGTAAAC AGtgatctTGTAAACAGtacgctTGTAAACAG
8607	DNA; Synthetic Construct	CTGTTTACAtacgctCTGTTTACAtgccgctCTGTTTACAtgctttCTGTTTACAtg atctCTGTTTACAtacgctCTGTTTACAtgccgctCTGTTTACAtgctttCTGTTTA CAtgatctCTGTTTACAtacgctCTGTTTACA
8608	DNA; Synthetic Construct	ACCGGAAGTGtgccgctACCGGAAGTGtgctttACCGGAAGTGtgatctACCGGAAG TGtacgctACCGGAAGTGtgccgctACCGGAAGTGtgctttACCGGAAGTGtgatct ACCGGAAGTGtacgctACCGGAAGTG
8609	DNA; Synthetic Construct	CACTTCCGGTtgccgctCACTTCCGGTtgctttCACTTCCGGTtgatctCACTTCCG GTtacgctCACTTCCGGTtgccgctCACTTCCGGTtgctttCACTTCCGGTtgatct CACTTCCGGTtacgctCACTTCCGGT
8610	DNA; Synthetic Construct	GCCGGAAGTGtgccgctGCCGGAAGTGtgctttGCCGGAAGTGtgatctGCCGGAAG TGtacgctGCCGGAAGTGtgccgctGCCGGAAGTGtgctttGCCGGAAGTGtgatct GCCGGAAGTGtacgctGCCGGAAGTG
8611	DNA; Synthetic Construct	CACTTCCGGCtgccgctCACTTCCGGCtgctttCACTTCCGGCtgatctCACTTCCG GCtacgctCACTTCCGGCtgccgctCACTTCCGGCtgctttCACTTCCGGCtgatct CACTTCCGGCtacgctCACTTCCGGC

8612	DNA; Synthetic Construct	ACAGCTGCtacgctACAGCTGCtgccgctACAGCTGCtgctttACAGCTGCtgatct ACAGCTGCtacgctACAGCTGCtgccgctACAGCTGCtgctttACAGCTGCtgatct ACAGCTGCtacgctACAGCTGC
8613	DNA; Synthetic Construct	GCAGCTGTtacgctGCAGCTGTtgccgctGCAGCTGTtgctttGCAGCTGTtgatct GCAGCTGTtacgctGCAGCTGTtgccgctGCAGCTGTtgctttGCAGCTGTtgatct GCAGCTGTtacgctGCAGCTGT
8614	DNA; Synthetic Construct	ACAGCTGTtacgctACAGCTGTtgccgctACAGCTGTtgctttACAGCTGTtgatct ACAGCTGTtacgctACAGCTGTtgccgctACAGCTGTtgctttACAGCTGTtgatct ACAGCTGTtacgctACAGCTGT
8615	DNA; Synthetic Construct	ACAGCTGTtacgctACAGCTGTtgccgctACAGCTGTtgctttACAGCTGTtgatct ACAGCTGTtacgctACAGCTGTtgccgctACAGCTGTtgctttACAGCTGTtgatct ACAGCTGTtacgctACAGCTGT
8616	DNA; Synthetic Construct	GCAGCTGCtacgctGCAGCTGCtgccgctGCAGCTGCtgctttGCAGCTGCtgatct GCAGCTGCtacgctGCAGCTGCtgccgctGCAGCTGCtgctttGCAGCTGCtgatct GCAGCTGCtacgctGCAGCTGC
8617	DNA; Synthetic Construct	GCAGCTGCtacgctGCAGCTGCtgccgctGCAGCTGCtgctttGCAGCTGCtgatct GCAGCTGCtacgctGCAGCTGCtgccgctGCAGCTGCtgctttGCAGCTGCtgatct GCAGCTGCtacgctGCAGCTGC
8618	DNA; Synthetic Construct	GCAGCTGTtacgctGCAGCTGTtgccgctGCAGCTGTtgctttGCAGCTGTtgatct GCAGCTGTtacgctGCAGCTGTtgccgctGCAGCTGTtgctttGCAGCTGTtgatct GCAGCTGTtacgctGCAGCTGT
8619	DNA; Synthetic Construct	ACAGCTGCtacgctACAGCTGCtgccgctACAGCTGCtgctttACAGCTGCtgatct ACAGCTGCtacgctACAGCTGCtgccgctACAGCTGCtgctttACAGCTGCtgatct ACAGCTGCtacgctACAGCTGC
8620	DNA; Synthetic Construct	AGCAGGAAGTtgccgctAGCAGGAAGTtgctttAGCAGGAAGTtgatctAGCAGGAA GTtacgctAGCAGGAAGTtgccgctAGCAGGAAGTtgctttAGCAGGAAGTtgatct AGCAGGAAGTtacgctAGCAGGAAGT
8621	DNA; Synthetic Construct	ACTTCCTGCTtgccgctACTTCCTGCTtgctttACTTCCTGCTtgatctACTTCCTG CTtacgctACTTCCTGCTtgccgctACTTCCTGCTtgctttACTTCCTGCTtgatct ACTTCCTGCTtacgctACTTCCTGCT
8622	DNA; Synthetic Construct	ACATCCTGGTtgccgctACATCCTGGTtgctttACATCCTGGTtgatctACATCCTG GTtacgctACATCCTGGTtgccgctACATCCTGGTtgctttACATCCTGGTtgatct ACATCCTGGTtacgctACATCCTGGT
8623	DNA; Synthetic Construct	ACCAGGATGTtgccgctACCAGGATGTtgctttACCAGGATGTtgatctACCAGGAT GTtacgctACCAGGATGTtgccgctACCAGGATGTtgctttACCAGGATGTtgatct ACCAGGATGTtacgctACCAGGATGT
8624	DNA; Synthetic Construct	AACAGGAAGTtgccgctAACAGGAAGTtgctttAACAGGAAGTtgatctAACAGGAA GTtacgctAACAGGAAGTtgccgctAACAGGAAGTtgctttAACAGGAAGTtgatct AACAGGAAGTtacgctAACAGGAAGT
8625	DNA; Synthetic Construct	ACTTCCTGTTtgccgctACTTCCTGTTtgctttACTTCCTGTTtgatctACTTCCTG TTtacgctACTTCCTGTTtgccgctACTTCCTGTTtgctttACTTCCTGTTtgatct ACTTCCTGTTtacgctACTTCCTGTT
8626	DNA; Synthetic Construct	ACCAGGAAGTtgccgctACCAGGAAGTtgctttACCAGGAAGTtgatctACCAGGAA GTtacgctACCAGGAAGTtgccgctACCAGGAAGTtgctttACCAGGAAGTtgatct ACCAGGAAGTtacgctACCAGGAAGT
8627	DNA; Synthetic Construct	ACTTCCTGGTtgccgctACTTCCTGGTtgctttACTTCCTGGTtgatctACTTCCTG GTtacgctACTTCCTGGTtgccgctACTTCCTGGTtgctttACTTCCTGGTtgatct ACTTCCTGGTtacgctACTTCCTGGT
8628	DNA; Synthetic Construct	AGCAGGAAGTtgccgctAGCAGGAAGTtgctttAGCAGGAAGTtgatctAGCAGGAA GTtacgctAGCAGGAAGTtgccgctAGCAGGAAGTtgctttAGCAGGAAGTtgatct AGCAGGAAGTtacgctAGCAGGAAGT
8629	DNA; Synthetic Construct	ACTTCCTGCTtgccgctACTTCCTGCTtgctttACTTCCTGCTtgatctACTTCCTG CTtacgctACTTCCTGCTtgccgctACTTCCTGCTtgctttACTTCCTGCTtgatct ACTTCCTGCTtacgctACTTCCTGCT

8630	DNA; Synthetic Construct	TGGTACATTCCAtgctttTGGTACATTCCAtgatctTGGTACATTCCAtacgctTGG TACATTCCAtgccgctTGGTACATTCCAtgctttTGGTACATTCCAtgatctTGGTA CATTCCAtacgctTGGTACATTCCA
8631	DNA; Synthetic Construct	TGGAATGTACCAtgctttTGGAATGTACCAtgatctTGGAATGTACCAtacgctTGG AATGTACCAtgccgctTGGAATGTACCAtgctttTGGAATGTACCAtgatctTGGAA TGTACCAtacgctTGGAATGTACCA
8632	DNA; Synthetic Construct	GGGATATTCCtgccgctGGGATATTCCtgctttGGGATATTCCtgatctGGGATATT CCtacgctGGGATATTCCtgccgctGGGATATTCCtgctttGGGATATTCCtgatct GGGATATTCCtacgctGGGATATTCC
8633	DNA; Synthetic Construct	GGAATATCCCtgccgctGGAATATCCCtgctttGGAATATCCCtgatctGGAATATC CCtacgctGGAATATCCCtgccgctGGAATATCCCtgctttGGAATATCCCtgatct GGAATATCCCtacgctGGAATATCCC
8634	DNA; Synthetic Construct	GGGATTTTCCtgccgctGGGATTTTCCtgctttGGGATTTTCCtgatctGGGATTTT CCtacgctGGGATTTTCCtgccgctGGGATTTTCCtgctttGGGATTTTCCtgatct GGGATTTTCCtacgctGGGATTTTCC
8635	DNA; Synthetic Construct	GGAAAATCCCtgccgctGGAAAATCCCtgctttGGAAAATCCCtgatctGGAAAATC CCtacgctGGAAAATCCCtgccgctGGAAAATCCCtgctttGGAAAATCCCtgatct GGAAAATCCCtacgctGGAAAATCCC
8636	DNA; Synthetic Construct	GGGGTATTCCtgccgctGGGGTATTCCtgctttGGGGTATTCCtgatctGGGGTATT CCtacgctGGGGTATTCCtgccgctGGGGTATTCCtgctttGGGGTATTCCtgatct GGGGTATTCCtacgctGGGGTATTCC
8637	DNA; Synthetic Construct	GGAATACCCCtgccgctGGAATACCCCtgctttGGAATACCCCtgatctGGAATACC CCtacgctGGAATACCCCtgccgctGGAATACCCCtgctttGGAATACCCCtgatct GGAATACCCCtacgctGGAATACCCC
8638	DNA; Synthetic Construct	GGGGTTTTCCtgccgctGGGGTTTTCCtgctttGGGGTTTTCCtgatctGGGGTTTT CCtacgctGGGGTTTTCCtgccgctGGGGTTTTCCtgctttGGGGTTTTCCtgatct GGGGTTTTCCtacgctGGGGTTTTCC
8639	DNA; Synthetic Construct	GGAAAACCCCtgccgctGGAAAACCCCtgctttGGAAAACCCCtgatctGGAAAACC CCtacgctGGAAAACCCCtgccgctGGAAAACCCCtgctttGGAAAACCCCtgatct GGAAAACCCCtacgctGGAAAACCCC
8640	DNA; Synthetic Construct	CGGATATTCCtgccgctCGGATATTCCtgctttCGGATATTCCtgatctCGGATATT CCtacgctCGGATATTCCtgccgctCGGATATTCCtgctttCGGATATTCCtgatct CGGATATTCCtacgctCGGATATTCC
8641	DNA; Synthetic Construct	GGAATATCCGtgccgctGGAATATCCGtgctttGGAATATCCGtgatctGGAATATC CGtacgctGGAATATCCGtgccgctGGAATATCCGtgctttGGAATATCCGtgatct GGAATATCCGtacgctGGAATATCCG
8642	DNA; Synthetic Construct	CGGATTTTCCtgccgctCGGATTTTCCtgctttCGGATTTTCCtgatctCGGATTTT CCtacgctCGGATTTTCCtgccgctCGGATTTTCCtgctttCGGATTTTCCtgatct CGGATTTTCCtacgctCGGATTTTCC
8643	DNA; Synthetic Construct	GGAAAATCCGtgccgctGGAAAATCCGtgctttGGAAAATCCGtgatctGGAAAATC CGtacgctGGAAAATCCGtgccgctGGAAAATCCGtgctttGGAAAATCCGtgatct GGAAAATCCGtacgctGGAAAATCCG
8644	DNA; Synthetic Construct	CGGGTATTCCtgccgctCGGGTATTCCtgctttCGGGTATTCCtgatctCGGGTATT CCtacgctCGGGTATTCCtgccgctCGGGTATTCCtgctttCGGGTATTCCtgatct CGGGTATTCCtacgctCGGGTATTCC
8645	DNA; Synthetic Construct	GGAATACCCGtgccgctGGAATACCCGtgctttGGAATACCCGtgatctGGAATACC CGtacgctGGAATACCCGtgccgctGGAATACCCGtgctttGGAATACCCGtgatct GGAATACCCGtacgctGGAATACCCG
8646	DNA; Synthetic Construct	CGGGTTTTCCtgccgctCGGGTTTTCCtgctttCGGGTTTTCCtgatctCGGGTTTT CCtacgctCGGGTTTTCCtgccgctCGGGTTTTCCtgctttCGGGTTTTCCtgatct CGGGTTTTCCtacgctCGGGTTTTCC
8647	DNA; Synthetic Construct	GGAAAACCCGtgccgctGGAAAACCCGtgctttGGAAAACCCGtgatctGGAAAACC CGtacgctGGAAAACCCGtgccgctGGAAAACCCGtgctttGGAAAACCCGtgatct GGAAAACCCGtacgctGGAAAACCCG

8648	DNA; Synthetic Construct	CTGGGCATCTGCAGCCCCtacgctCTGGGCATCTGCAGCCCCtgccgctCTGGGCAT CTGCAGCCCCtgctttCTGGGCATCTGCAGCCCCtgatctCTGGGCATCTGCAGCCC CtacgctCTGGGCATCTGCAGCCCC
8649	DNA; Synthetic Construct	GGGGCTGCAGATGCCCAGtacgctGGGGCTGCAGATGCCCAGtgccgctGGGGCTGC AGATGCCCAGtgctttGGGGCTGCAGATGCCCAGtgatctGGGGCTGCAGATGCCCA GtacgctGGGGCTGCAGATGCCCAG
8650	DNA; Synthetic Construct	CTGGGCATCTGCAGCCCTtacgctCTGGGCATCTGCAGCCCTtgccgctCTGGGCAT CTGCAGCCCTtgctttCTGGGCATCTGCAGCCCTtgatctCTGGGCATCTGCAGCCC TtacgctCTGGGCATCTGCAGCCCT
8651	DNA; Synthetic Construct	AGGGCTGCAGATGCCCAGtacgctAGGGCTGCAGATGCCCAGtgccgctAGGGCTGC AGATGCCCAGtgctttAGGGCTGCAGATGCCCAGtgatctAGGGCTGCAGATGCCCA GtacgctAGGGCTGCAGATGCCCAG
8652	DNA; Synthetic Construct	CTGGGTATCTGCAGCCCCtacgctCTGGGTATCTGCAGCCCCtgccgctCTGGGTAT CTGCAGCCCCtgctttCTGGGTATCTGCAGCCCCtgatctCTGGGTATCTGCAGCCC CtacgctCTGGGTATCTGCAGCCCC
8653	DNA; Synthetic Construct	GGGGCTGCAGATACCCAGtacgctGGGGCTGCAGATACCCAGtgccgctGGGGCTGC AGATACCCAGtgctttGGGGCTGCAGATACCCAGtgatctGGGGCTGCAGATACCCA GtacgctGGGGCTGCAGATACCCAG
8654	DNA; Synthetic Construct	CTGGGTATCTGCAGCCCTtacgctCTGGGTATCTGCAGCCCTtgccgctCTGGGTAT CTGCAGCCCTtgctttCTGGGTATCTGCAGCCCTtgatctCTGGGTATCTGCAGCCC TtacgctCTGGGTATCTGCAGCCCT
8655	DNA; Synthetic Construct	AGGGCTGCAGATACCCAGtacgctAGGGCTGCAGATACCCAGtgccgctAGGGCTGC AGATACCCAGtgctttAGGGCTGCAGATACCCAGtgatctAGGGCTGCAGATACCCA GtacgctAGGGCTGCAGATACCCAG
8656	DNA; Synthetic Construct	CTTGGCATCTGCAGCCCCtacgctCTTGGCATCTGCAGCCCCtgccgctCTTGGCAT CTGCAGCCCCtgctttCTTGGCATCTGCAGCCCCtgatctCTTGGCATCTGCAGCCC CtacgctCTTGGCATCTGCAGCCCC
8657	DNA; Synthetic Construct	GGGGCTGCAGATGCCAAGtacgctGGGGCTGCAGATGCCAAGtgccgctGGGGCTGC AGATGCCAAGtgctttGGGGCTGCAGATGCCAAGtgatctGGGGCTGCAGATGCCAA GtacgctGGGGCTGCAGATGCCAAG
8658	DNA; Synthetic Construct	CTTGGCATCTGCAGCCCTtacgctCTTGGCATCTGCAGCCCTtgccgctCTTGGCAT CTGCAGCCCTtgctttCTTGGCATCTGCAGCCCTtgatctCTTGGCATCTGCAGCCC TtacgctCTTGGCATCTGCAGCCCT
8659	DNA; Synthetic Construct	AGGGCTGCAGATGCCAAGtacgctAGGGCTGCAGATGCCAAGtgccgctAGGGCTGC AGATGCCAAGtgctttAGGGCTGCAGATGCCAAGtgatctAGGGCTGCAGATGCCAA GtacgctAGGGCTGCAGATGCCAAG
8660	DNA; Synthetic Construct	CTTGGTATCTGCAGCCCCtacgctCTTGGTATCTGCAGCCCCtgccgctCTTGGTAT CTGCAGCCCCtgctttCTTGGTATCTGCAGCCCCtgatctCTTGGTATCTGCAGCCC CtacgctCTTGGTATCTGCAGCCCC
8661	DNA; Synthetic Construct	GGGGCTGCAGATACCAAGtacgctGGGGCTGCAGATACCAAGtgccgctGGGGCTGC AGATACCAAGtgctttGGGGCTGCAGATACCAAGtgatctGGGGCTGCAGATACCAA GtacgctGGGGCTGCAGATACCAAG
8662	DNA; Synthetic Construct	CTTGGTATCTGCAGCCCTtacgctCTTGGTATCTGCAGCCCTtgccgctCTTGGTAT CTGCAGCCCTtgctttCTTGGTATCTGCAGCCCTtgatctCTTGGTATCTGCAGCCC TtacgctCTTGGTATCTGCAGCCCT
8663	DNA; Synthetic Construct	AGGGCTGCAGATACCAAGtacgctAGGGCTGCAGATACCAAGtgccgctAGGGCTGC AGATACCAAGtgctttAGGGCTGCAGATACCAAGtgatctAGGGCTGCAGATACCAA GtacgctAGGGCTGCAGATACCAAG
8664	DNA; Synthetic Construct	TTGGGCATCTGCAGCCCCtacgcttTGGGCATCTGCAGCCCCtgccgctTTGGGCAT CTGCAGCCCCtgctttTTGGGCATCTGCAGCCCCtgatctTTGGGCATCTGCAGCCC CtacgctTTGGGCATCTGCAGCCCC
8665	DNA; Synthetic Construct	GGGGCTGCAGATGCCCAAtacgctGGGGCTGCAGATGCCCAAtgccgctGGGGCTGC AGATGCCCAAtgctttGGGGCTGCAGATGCCCAAtgatctGGGGCTGCAGATGCCCA AtacgctGGGGCTGCAGATGCCCAA

8666	DNA; Synthetic Construct	TTGGGCATCTGCAGCCCTtacgctTTGGGCATCTGCAGCCCTtgccgctTTGGGCAT CTGCAGCCCTtgctttTTGGGCATCTGCAGCCCTtgatctTTGGGCATCTGCAGCCC TtacgctTTGGGCATCTGCAGCCCT
8667	DNA; Synthetic Construct	AGGGCTGCAGATGCCCAAtacgctAGGGCTGCAGATGCCCAAtgccgctAGGGCTGC AGATGCCCAAtgctttAGGGCTGCAGATGCCCAAtgatctAGGGCTGCAGATGCCCA AtacgctAGGGCTGCAGATGCCCAA
8668	DNA; Synthetic Construct	TTGGGTATCTGCAGCCCCtacgctTTGGGTATCTGCAGCCCCtgccgctTTGGGTAT CTGCAGCCCCtgctttTTGGGTATCTGCAGCCCCtgatctTTGGGTATCTGCAGCCC CtacgctTTGGGTATCTGCAGCCCC
8669	DNA; Synthetic Construct	GGGGCTGCAGATACCCAAtacgctGGGGCTGCAGATACCCAAtgccgctGGGGCTGC AGATACCCAAtgctttGGGGCTGCAGATACCCAAtgatctGGGGCTGCAGATACCCA AtacgctGGGGCTGCAGATACCCAA
8670	DNA; Synthetic Construct	TTGGGTATCTGCAGCCCTtacgctTTGGGTATCTGCAGCCCTtgccgctTTGGGTAT CTGCAGCCCTtgctttTTGGGTATCTGCAGCCCTtgatctTTGGGTATCTGCAGCCC TtacgctTTGGGTATCTGCAGCCCT
8671	DNA; Synthetic Construct	AGGGCTGCAGATACCCAAtacgctAGGGCTGCAGATACCCAAtgccgctAGGGCTGC AGATACCCAAtgctttAGGGCTGCAGATACCCAAtgatctAGGGCTGCAGATACCCA AtacgctAGGGCTGCAGATACCCAA
8672	DNA; Synthetic Construct	TTTGGCATCTGCAGCCCCtacgctTTTGGCATCTGCAGCCCCtgccgctTTTGGCAT CTGCAGCCCCtgctttTTTGGCATCTGCAGCCCCtgatctTTTGGCATCTGCAGCCC CtacgctTTTGGCATCTGCAGCCCC
8673	DNA; Synthetic Construct	GGGGCTGCAGATGCCAAAtacgctGGGGCTGCAGATGCCAAAtgccgctGGGGCTGC AGATGCCAAAtgctttGGGGCTGCAGATGCCAAAtgatctGGGGCTGCAGATGCCAA AtacgctGGGGCTGCAGATGCCAAA
8674	DNA; Synthetic Construct	TTTGGCATCTGCAGCCCTtacgctTTTGGCATCTGCAGCCCTtgccgctTTTGGCAT CTGCAGCCCTtgctttTTTGGCATCTGCAGCCCTtgatctTTTGGCATCTGCAGCCC TtacgctTTTGGCATCTGCAGCCCT
8675	DNA; Synthetic Construct	AGGGCTGCAGATGCCAAAtacgctAGGGCTGCAGATGCCAAAtgccgctAGGGCTGC AGATGCCAAAtgctttAGGGCTGCAGATGCCAAAtgatctAGGGCTGCAGATGCCAA AtacgctAGGGCTGCAGATGCCAAA
8676	DNA; Synthetic Construct	TTTGGTATCTGCAGCCCCtacgctTTTGGTATCTGCAGCCCCtgccgctTTTGGTAT CTGCAGCCCCtgctttTTTGGTATCTGCAGCCCCtgatctTTTGGTATCTGCAGCCC CtacgctTTTGGTATCTGCAGCCCC
8677	DNA; Synthetic Construct	GGGGCTGCAGATACCAAAtacgctGGGGCTGCAGATACCAAAtgccgctGGGGCTGC AGATACCAAAtgctttGGGGCTGCAGATACCAAAtgatctGGGGCTGCAGATACCAA AtacgctGGGGCTGCAGATACCAAA
8678	DNA; Synthetic Construct	TTTGGTATCTGCAGCCCTtacgctTTTGGTATCTGCAGCCCTtgccgctTTTGGTAT CTGCAGCCCTtgctttTTTGGTATCTGCAGCCCTtgatctTTTGGTATCTGCAGCCC TtacgctTTTGGTATCTGCAGCCCT
8679	DNA; Synthetic Construct	AGGGCTGCAGATACCAAAtacgctAGGGCTGCAGATACCAAAtgccgctAGGGCTGC AGATACCAAAtgctttAGGGCTGCAGATACCAAAtgatctAGGGCTGCAGATACCAA AtacgctAGGGCTGCAGATACCAAA
8680	DNA; Synthetic Construct	AATACAGCCCTAGACTCTCCCtgccgctAATACAGCCCTAGACTCTCCCtgctttAA TACAGCCCTAGACTCTCCCtgatctAATACAGCCCTAGACTCTCCCtacgctAATAC AGCCCTAGACTCTCCC
8681	DNA; Synthetic Construct	GGGAGAGTCTAGGGCTGTATTtgccgctGGGAGAGTCTAGGGCTGTATTtgctttGG GAGAGTCTAGGGCTGTATTtgatctGGGAGAGTCTAGGGCTGTATTtacgctGGGAG AGTCTAGGGCTGTATT
8682	DNA; Synthetic Construct	AATACAGCCCTAGACTCTCCTtgccgctAATACAGCCCTAGACTCTCCTtgctttAA TACAGCCCTAGACTCTCCTtgatctAATACAGCCCTAGACTCTCCTtacgctAATAC AGCCCTAGACTCTCCT
8683	DNA; Synthetic Construct	AGGAGAGTCTAGGGCTGTATTtgccgctAGGAGAGTCTAGGGCTGTATTtgctttAG GAGAGTCTAGGGCTGTATTtgatctAGGAGAGTCTAGGGCTGTATTtacgctAGGAG AGTCTAGGGCTGTATT

8684	DNA; Synthetic Construct	AATACAGCCCTATACTCTCCCtgccgctAATACAGCCCTATACTCTCCCtgctttAA TACAGCCCTATACTCTCCCtgatctAATACAGCCCTATACTCTCCCtacgctAATAC AGCCCTATACTCTCCC
8685	DNA; Synthetic Construct	GGGAGAGTATAGGGCTGTATTtgccgctGGGAGAGTATAGGGCTGTATTtgctttGG GAGAGTATAGGGCTGTATTtgatctGGGAGAGTATAGGGCTGTATTtacgctGGGAG AGTATAGGGCTGTATT
8686	DNA; Synthetic Construct	AATACAGCCCTATACTCTCCTtgccgctAATACAGCCCTATACTCTCCTtgctttAA TACAGCCCTATACTCTCCTtgatctAATACAGCCCTATACTCTCCTtacgctAATAC AGCCCTATACTCTCCT
8687	DNA; Synthetic Construct	AGGAGAGTATAGGGCTGTATTtgccgctAGGAGAGTATAGGGCTGTATTtgctttAG GAGAGTATAGGGCTGTATTtgatctAGGAGAGTATAGGGCTGTATTtacgctAGGAG AGTATAGGGCTGTATT
8688	DNA; Synthetic Construct	AATCCAGCCCTAGACTCTCCCtgccgctAATCCAGCCCTAGACTCTCCCtgctttAA TCCAGCCCTAGACTCTCCCtgatctAATCCAGCCCTAGACTCTCCCtacgctAATCC AGCCCTAGACTCTCCC
8689	DNA; Synthetic Construct	GGGAGAGTCTAGGGCTGGATTtgccgctGGGAGAGTCTAGGGCTGGATTtgctttGG GAGAGTCTAGGGCTGGATTtgatctGGGAGAGTCTAGGGCTGGATTtacgctGGGAG AGTCTAGGGCTGGATT
8690	DNA; Synthetic Construct	AATCCAGCCCTAGACTCTCCTtgccgctAATCCAGCCCTAGACTCTCCTtgctttAA TCCAGCCCTAGACTCTCCTtgatctAATCCAGCCCTAGACTCTCCTtacgctAATCC AGCCCTAGACTCTCCT
8691	DNA; Synthetic Construct	AGGAGAGTCTAGGGCTGGATTtgccgctAGGAGAGTCTAGGGCTGGATTtgctttAG GAGAGTCTAGGGCTGGATTtgatctAGGAGAGTCTAGGGCTGGATTtacgctAGGAG AGTCTAGGGCTGGATT
8692	DNA; Synthetic Construct	AATCCAGCCCTATACTCTCCCtgccgctAATCCAGCCCTATACTCTCCCtgctttAA TCCAGCCCTATACTCTCCCtgatctAATCCAGCCCTATACTCTCCCtacgctAATCC AGCCCTATACTCTCCC
8693	DNA; Synthetic Construct	GGGAGAGTATAGGGCTGGATTtgccgctGGGAGAGTATAGGGCTGGATTtgctttGG GAGAGTATAGGGCTGGATTtgatctGGGAGAGTATAGGGCTGGATTtacgctGGGAG AGTATAGGGCTGGATT
8694	DNA; Synthetic Construct	AATCCAGCCCTATACTCTCCTtgccgctAATCCAGCCCTATACTCTCCTtgctttAA TCCAGCCCTATACTCTCCTtgatctAATCCAGCCCTATACTCTCCTtacgctAATCC AGCCCTATACTCTCCT
8695	DNA; Synthetic Construct	AGGAGAGTATAGGGCTGGATTtgccgctAGGAGAGTATAGGGCTGGATTtgctttAG GAGAGTATAGGGCTGGATTtgatctAGGAGAGTATAGGGCTGGATTtacgctAGGAG AGTATAGGGCTGGATT
8696	DNA; Synthetic Construct	ATTACAGCCCTAGACTCTCCCtgccgctATTACAGCCCTAGACTCTCCCtgctttAT TACAGCCCTAGACTCTCCCtgatctATTACAGCCCTAGACTCTCCCtacgctATTAC AGCCCTAGACTCTCCC
8697	DNA; Synthetic Construct	GGGAGAGTCTAGGGCTGTAATtgccgctGGGAGAGTCTAGGGCTGTAATtgctttGG GAGAGTCTAGGGCTGTAATtgatctGGGAGAGTCTAGGGCTGTAATtacgctGGGAG AGTCTAGGGCTGTAAT
8698	DNA; Synthetic Construct	ATTACAGCCCTAGACTCTCCTtgccgctATTACAGCCCTAGACTCTCCTtgctttAT TACAGCCCTAGACTCTCCTtgatctATTACAGCCCTAGACTCTCCTtacgctATTAC AGCCCTAGACTCTCCT
8699	DNA; Synthetic Construct	AGGAGAGTCTAGGGCTGTAATtgccgctAGGAGAGTCTAGGGCTGTAATtgctttAG GAGAGTCTAGGGCTGTAATtgatctAGGAGAGTCTAGGGCTGTAATtacgctAGGAG AGTCTAGGGCTGTAAT
8700	DNA; Synthetic Construct	ATTACAGCCCTATACTCTCCCtgccgctATTACAGCCCTATACTCTCCCtgctttAT TACAGCCCTATACTCTCCCtgatctATTACAGCCCTATACTCTCCCtacgctATTAC AGCCCTATACTCTCCC
8701	DNA; Synthetic Construct	GGGAGAGTATAGGGCTGTAATtgccgctGGGAGAGTATAGGGCTGTAATtgctttGG GAGAGTATAGGGCTGTAATtgatctGGGAGAGTATAGGGCTGTAATtacgctGGGAG AGTATAGGGCTGTAAT

8702	DNA; Synthetic Construct	ATTACAGCCCTATACTCTCCTtgccgctATTACAGCCCTATACTCTCCTtgctttAT TACAGCCCTATACTCTCCTtgatctATTACAGCCCTATACTCTCCTtacgctATTAC AGCCCTATACTCTCCT
8703	DNA; Synthetic Construct	AGGAGAGTATAGGGCTGTAATtgccgctAGGAGAGTATAGGGCTGTAATtgctttAG GAGAGTATAGGGCTGTAATtgatctAGGAGAGTATAGGGCTGTAATtacgctAGGAG AGTATAGGGCTGTAAT
8704	DNA; Synthetic Construct	ATTCCAGCCCTAGACTCTCCCtgccgctATTCCAGCCCTAGACTCTCCCtgctttAT TCCAGCCCTAGACTCTCCCtgatctATTCCAGCCCTAGACTCTCCCtacgctATTCC AGCCCTAGACTCTCCC
8705	DNA; Synthetic Construct	GGGAGAGTCTAGGGCTGGAATtgccgctGGGAGAGTCTAGGGCTGGAATtgctttGG GAGAGTCTAGGGCTGGAATtgatctGGGAGAGTCTAGGGCTGGAATtacgctGGGAG AGTCTAGGGCTGGAAT
8706	DNA; Synthetic Construct	ATTCCAGCCCTAGACTCTCCTtgccgctATTCCAGCCCTAGACTCTCCTtgctttAT TCCAGCCCTAGACTCTCCTtgatctATTCCAGCCCTAGACTCTCCTtacgctATTCC AGCCCTAGACTCTCCT
8707	DNA; Synthetic Construct	AGGAGAGTCTAGGGCTGGAATtgccgctAGGAGAGTCTAGGGCTGGAATtgctttAG GAGAGTCTAGGGCTGGAATtgatctAGGAGAGTCTAGGGCTGGAATtacgctAGGAG AGTCTAGGGCTGGAAT
8708	DNA; Synthetic Construct	ATTCCAGCCCTATACTCTCCCtgccgctATTCCAGCCCTATACTCTCCCtgctttAT TCCAGCCCTATACTCTCCCtgatctATTCCAGCCCTATACTCTCCCtacgctATTCC AGCCCTATACTCTCCC
8709	DNA; Synthetic Construct	GGGAGAGTATAGGGCTGGAATtgccgctGGGAGAGTATAGGGCTGGAATtgctttGG GAGAGTATAGGGCTGGAATtgatctGGGAGAGTATAGGGCTGGAATtacgctGGGAG AGTATAGGGCTGGAAT
8710	DNA; Synthetic Construct	ATTCCAGCCCTATACTCTCCTtgccgctATTCCAGCCCTATACTCTCCTtgctttAT TCCAGCCCTATACTCTCCTtgatctATTCCAGCCCTATACTCTCCTtacgctATTCC AGCCCTATACTCTCCT
8711	DNA; Synthetic Construct	AGGAGAGTATAGGGCTGGAATtgccgctAGGAGAGTATAGGGCTGGAATtgctttAG GAGAGTATAGGGCTGGAATtgatctAGGAGAGTATAGGGCTGGAATtacgctAGGAG AGTATAGGGCTGGAAT
8712	DNA; Synthetic Construct	AGATGTCATGAGAGATAAGtacgctAGATGTCATGAGAGATAAGtgccgctAGATGT CATGAGAGATAAGtgctttAGATGTCATGAGAGATAAGtgatctAGATGTCATGAGA GATAAGtacgctAGATGTCATGAGAGATAAG
8713	DNA; Synthetic Construct	CTTATCTCTCATGACATCTtacgctCTTATCTCTCATGACATCTtgccgctCTTATC TCTCATGACATCTtgctttCTTATCTCTCATGACATCTtgatctCTTATCTCTCATG ACATCTtacgctCTTATCTCTCATGACATCT
8714	DNA; Synthetic Construct	AGATGTCATGAGAGATAACtacgctAGATGTCATGAGAGATAACtgccgctAGATGT CATGAGAGATAACtgctttAGATGTCATGAGAGATAACtgatctAGATGTCATGAGA GATAACtacgctAGATGTCATGAGAGATAAC
8715	DNA; Synthetic Construct	GTTATCTCTCATGACATCTtacgctGTTATCTCTCATGACATCTtgccgctGTTATC TCTCATGACATCTtgctttGTTATCTCTCATGACATCTtgatctGTTATCTCTCATG ACATCTtacgctGTTATCTCTCATGACATCT
8716	DNA; Synthetic Construct	AGATGTCATGACAGATAAGtacgctAGATGTCATGACAGATAAGtgccgctAGATGT CATGACAGATAAGtgctttAGATGTCATGACAGATAAGtgatctAGATGTCATGACA GATAAGtacgctAGATGTCATGACAGATAAG
8717	DNA; Synthetic Construct	CTTATCTGTCATGACATCTtacgctCTTATCTGTCATGACATCTtgccgctCTTATC TGTCATGACATCTtgctttCTTATCTGTCATGACATCTtgatctCTTATCTGTCATG ACATCTtacgctCTTATCTGTCATGACATCT
8718	DNA; Synthetic Construct	AGATGTCATGACAGATAACtacgctAGATGTCATGACAGATAACtgccgctAGATGT CATGACAGATAACtgctttAGATGTCATGACAGATAACtgatctAGATGTCATGACA GATAACtacgctAGATGTCATGACAGATAAC
8719	DNA; Synthetic Construct	GTTATCTGTCATGACATCTtacgctGTTATCTGTCATGACATCTtgccgctGTTATC TGTCATGACATCTtgctttGTTATCTGTCATGACATCTtgatctGTTATCTGTCATG ACATCTtacgctGTTATCTGTCATGACATCT

8720	DNA; Synthetic Construct	AGATGTCATGGGAGATAAGtacgctAGATGTCATGGGAGATAAGtgccgctAGATGT CATGGGAGATAAGtgctttAGATGTCATGGGAGATAAGtgatctAGATGTCATGGGA GATAAGtacgctAGATGTCATGGGAGATAAG
8721	DNA; Synthetic Construct	CTTATCTCCCATGACATCTtacgctCTTATCTCCCATGACATCTtgccgctCTTATC TCCCATGACATCTtgctttCTTATCTCCCATGACATCTtgatctCTTATCTCCCATG ACATCTtacgctCTTATCTCCCATGACATCT
8722	DNA; Synthetic Construct	AGATGTCATGGGAGATAACtacgctAGATGTCATGGGAGATAACtgccgctAGATGT CATGGGAGATAACtgctttAGATGTCATGGGAGATAACtgatctAGATGTCATGGGA GATAACtacgctAGATGTCATGGGAGATAAC
8723	DNA; Synthetic Construct	GTTATCTCCCATGACATCTtacgctGTTATCTCCCATGACATCTtgccgctGTTATC TCCCATGACATCTtgctttGTTATCTCCCATGACATCTtgatctGTTATCTCCCATG ACATCTtacgctGTTATCTCCCATGACATCT
8724	DNA; Synthetic Construct	AGATGTCATGGCAGATAAGtacgctAGATGTCATGGCAGATAAGtgccgctAGATGT CATGGCAGATAAGtgctttAGATGTCATGGCAGATAAGtgatctAGATGTCATGGCA GATAAGtacgctAGATGTCATGGCAGATAAG
8725	DNA; Synthetic Construct	CTTATCTGCCATGACATCTtacgctCTTATCTGCCATGACATCTtgccgctCTTATC TGCCATGACATCTtgctttCTTATCTGCCATGACATCTtgatctCTTATCTGCCATG ACATCTtacgctCTTATCTGCCATGACATCT
8726	DNA; Synthetic Construct	AGATGTCATGGCAGATAACtacgctAGATGTCATGGCAGATAACtgccgctAGATGT CATGGCAGATAACtgctttAGATGTCATGGCAGATAACtgatctAGATGTCATGGCA GATAACtacgctAGATGTCATGGCAGATAAC
8727	DNA; Synthetic Construct	GTTATCTGCCATGACATCTtacgctGTTATCTGCCATGACATCTtgccgctGTTATC TGCCATGACATCTtgctttGTTATCTGCCATGACATCTtgatctGTTATCTGCCATG ACATCTtacgctGTTATCTGCCATGACATCT
8728	DNA; Synthetic Construct	AGATGTCATGTGAGATAAGtacgctAGATGTCATGTGAGATAAGtgccgctAGATGT CATGTGAGATAAGtgctttAGATGTCATGTGAGATAAGtgatctAGATGTCATGTGA GATAAGtacgctAGATGTCATGTGAGATAAG
8729	DNA; Synthetic Construct	CTTATCTCACATGACATCTtacgctCTTATCTCACATGACATCTtgccgctCTTATC TCACATGACATCTtgctttCTTATCTCACATGACATCTtgatctCTTATCTCACATG ACATCTtacgctCTTATCTCACATGACATCT
8730	DNA; Synthetic Construct	AGATGTCATGTGAGATAACtacgctAGATGTCATGTGAGATAACtgccgctAGATGT CATGTGAGATAACtgctttAGATGTCATGTGAGATAACtgatctAGATGTCATGTGA GATAACtacgctAGATGTCATGTGAGATAAC
8731	DNA; Synthetic Construct	GTTATCTCACATGACATCTtacgctGTTATCTCACATGACATCTtgccgctGTTATC TCACATGACATCTtgctttGTTATCTCACATGACATCTtgatctGTTATCTCACATG ACATCTtacgctGTTATCTCACATGACATCT
8732	DNA; Synthetic Construct	AGATGTCATGTCAGATAAGtacgctAGATGTCATGTCAGATAAGtgccgctAGATGT CATGTCAGATAAGtgctttAGATGTCATGTCAGATAAGtgatctAGATGTCATGTCA GATAAGtacgctAGATGTCATGTCAGATAAG
8733	DNA; Synthetic Construct	CTTATCTGACATGACATCTtacgctCTTATCTGACATGACATCTtgccgctCTTATC TGACATGACATCTtgctttCTTATCTGACATGACATCTtgatctCTTATCTGACATG ACATCTtacgctCTTATCTGACATGACATCT
8734	DNA; Synthetic Construct	AGATGTCATGTCAGATAACtacgctAGATGTCATGTCAGATAACtgccgctAGATGT CATGTCAGATAACtgctttAGATGTCATGTCAGATAACtgatctAGATGTCATGTCA GATAACtacgctAGATGTCATGTCAGATAAC
8735	DNA; Synthetic Construct	GTTATCTGACATGACATCTtacgctGTTATCTGACATGACATCTtgccgctGTTATC TGACATGACATCTtgctttGTTATCTGACATGACATCTtgatctGTTATCTGACATG ACATCTtacgctGTTATCTGACATGACATCT
8736	DNA; Synthetic Construct	AGATGTCGTGAGAGATAAGtacgctAGATGTCGTGAGAGATAAGtgccgctAGATGT CGTGAGAGATAAGtgctttAGATGTCGTGAGAGATAAGtgatctAGATGTCGTGAGA GATAAGtacgctAGATGTCGTGAGAGATAAG
8737	DNA; Synthetic Construct	CTTATCTCTCACGACATCTtacgctCTTATCTCTCACGACATCTtgccgctCTTATC TCTCACGACATCTtgctttCTTATCTCTCACGACATCTtgatctCTTATCTCTCACG ACATCTtacgctCTTATCTCTCACGACATCT

8738	DNA; Synthetic Construct	AGATGTCGTGAGAGATAACtacgctAGATGTCGTGAGAGATAACtgccgctAGATGT CGTGAGAGATAACtgctttAGATGTCGTGAGAGATAACtgatctAGATGTCGTGAGA GATAACtacgctAGATGTCGTGAGAGATAAC
8739	DNA; Synthetic Construct	GTTATCTCTCACGACATCTtacgctGTTATCTCTCACGACATCTtgccgctGTTATC TCTCACGACATCTtgctttGTTATCTCTCACGACATCTtgatctGTTATCTCTCACG ACATCTtacgctGTTATCTCTCACGACATCT
8740	DNA; Synthetic Construct	AGATGTCGTGACAGATAAGtacgctAGATGTCGTGACAGATAAGtgccgctAGATGT CGTGACAGATAAGtgctttAGATGTCGTGACAGATAAGtgatctAGATGTCGTGACA GATAAGtacgctAGATGTCGTGACAGATAAG
8741	DNA; Synthetic Construct	CTTATCTGTCACGACATCTtacgctCTTATCTGTCACGACATCTtgccgctCTTATC TGTCACGACATCTtgctttCTTATCTGTCACGACATCTtgatctCTTATCTGTCACG ACATCTtacgctCTTATCTGTCACGACATCT
8742	DNA; Synthetic Construct	AGATGTCGTGACAGATAACtacgctAGATGTCGTGACAGATAACtgccgctAGATGT CGTGACAGATAACtgctttAGATGTCGTGACAGATAACtgatctAGATGTCGTGACA GATAACtacgctAGATGTCGTGACAGATAAC
8743	DNA; Synthetic Construct	GTTATCTGTCACGACATCTtacgctGTTATCTGTCACGACATCTtgccgctGTTATC TGTCACGACATCTtgctttGTTATCTGTCACGACATCTtgatctGTTATCTGTCACG ACATCTtacgctGTTATCTGTCACGACATCT
8744	DNA; Synthetic Construct	AGATGTCGTGGGAGATAAGtacgctAGATGTCGTGGGAGATAAGtgccgctAGATGT CGTGGGAGATAAGtgctttAGATGTCGTGGGAGATAAGtgatctAGATGTCGTGGGA GATAAGtacgctAGATGTCGTGGGAGATAAG
8745	DNA; Synthetic Construct	CTTATCTCCCACGACATCTtacgctCTTATCTCCCACGACATCTtgccgctCTTATC TCCCACGACATCTtgctttCTTATCTCCCACGACATCTtgatctCTTATCTCCCACG ACATCTtacgctCTTATCTCCCACGACATCT
8746	DNA; Synthetic Construct	AGATGTCGTGGGAGATAACtacgctAGATGTCGTGGGAGATAACtgccgctAGATGT CGTGGGAGATAACtgctttAGATGTCGTGGGAGATAACtgatctAGATGTCGTGGGA GATAACtacgctAGATGTCGTGGGAGATAAC
8747	DNA; Synthetic Construct	GTTATCTCCCACGACATCTtacgctGTTATCTCCCACGACATCTtgccgctGTTATC TCCCACGACATCTtgctttGTTATCTCCCACGACATCTtgatctGTTATCTCCCACG ACATCTtacgctGTTATCTCCCACGACATCT
8748	DNA; Synthetic Construct	AGATGTCGTGGCAGATAAGtacgctAGATGTCGTGGCAGATAAGtgccgctAGATGT CGTGGCAGATAAGtgctttAGATGTCGTGGCAGATAAGtgatctAGATGTCGTGGCA GATAAGtacgctAGATGTCGTGGCAGATAAG
8749	DNA; Synthetic Construct	CTTATCTGCCACGACATCTtacgctCTTATCTGCCACGACATCTtgccgctCTTATC TGCCACGACATCTtgctttCTTATCTGCCACGACATCTtgatctCTTATCTGCCACG ACATCTtacgctCTTATCTGCCACGACATCT
8750	DNA; Synthetic Construct	AGATGTCGTGGCAGATAACtacgctAGATGTCGTGGCAGATAACtgccgctAGATGT CGTGGCAGATAACtgctttAGATGTCGTGGCAGATAACtgatctAGATGTCGTGGCA GATAACtacgctAGATGTCGTGGCAGATAAC
8751	DNA; Synthetic Construct	GTTATCTGCCACGACATCTtacgctGTTATCTGCCACGACATCTtgccgctGTTATC TGCCACGACATCTtgctttGTTATCTGCCACGACATCTtgatctGTTATCTGCCACG ACATCTtacgctGTTATCTGCCACGACATCT
8752	DNA; Synthetic Construct	AGATGTCGTGTGAGATAAGtacgctAGATGTCGTGTGAGATAAGtgccgctAGATGT CGTGTGAGATAAGtgctttAGATGTCGTGTGAGATAAGtgatctAGATGTCGTGTGA GATAAGtacgctAGATGTCGTGTGAGATAAG
8753	DNA; Synthetic Construct	CTTATCTCACACGACATCTtacgctCTTATCTCACACGACATCTtgccgctCTTATC TCACACGACATCTtgctttCTTATCTCACACGACATCTtgatctCTTATCTCACACG ACATCTtacgctCTTATCTCACACGACATCT
8754	DNA; Synthetic Construct	AGATGTCGTGTGAGATAACtacgctAGATGTCGTGTGAGATAACtgccgctAGATGT CGTGTGAGATAACtgctttAGATGTCGTGTGAGATAACtgatctAGATGTCGTGTGA GATAACtacgctAGATGTCGTGTGAGATAAC
8755	DNA; Synthetic Construct	GTTATCTCACACGACATCTtacgctGTTATCTCACACGACATCTtgccgctGTTATC TCACACGACATCTtgctttGTTATCTCACACGACATCTtgatctGTTATCTCACACG ACATCTtacgctGTTATCTCACACGACATCT

8756	DNA; Synthetic Construct	AGATGTCGTGTCAGATAAGtacgctAGATGTCGTGTCAGATAAGtgccgctAGATGT CGTGTCAGATAAGtgctttAGATGTCGTGTCAGATAAGtgatctAGATGTCGTGTCA GATAAGtacgctAGATGTCGTGTCAGATAAG
8757	DNA; Synthetic Construct	CTTATCTGACACGACATCTtacgctCTTATCTGACACGACATCTtgccgctCTTATC TGACACGACATCTtgctttCTTATCTGACACGACATCTtgatctCTTATCTGACACG ACATCTtacgctCTTATCTGACACGACATCT
8758	DNA; Synthetic Construct	AGATGTCGTGTCAGATAACtacgctAGATGTCGTGTCAGATAACtgccgctAGATGT CGTGTCAGATAACtgctttAGATGTCGTGTCAGATAACtgatctAGATGTCGTGTCA GATAACtacgctAGATGTCGTGTCAGATAAC
8759	DNA; Synthetic Construct	GTTATCTGACACGACATCTtacgctGTTATCTGACACGACATCTtgccgctGTTATC TGACACGACATCTtgctttGTTATCTGACACGACATCTtgatctGTTATCTGACACG ACATCTtacgctGTTATCTGACACGACATCT
8760	DNA; Synthetic Construct	AGATGTCTTGAGAGATAAGtacgctAGATGTCTTGAGAGATAAGtgccgctAGATGT CTTGAGAGATAAGtgctttAGATGTCTTGAGAGATAAGtgatctAGATGTCTTGAGA GATAAGtacgctAGATGTCTTGAGAGATAAG
8761	DNA; Synthetic Construct	CTTATCTCTCAAGACATCTtacgctCTTATCTCTCAAGACATCTtgccgctCTTATC TCTCAAGACATCTtgctttCTTATCTCTCAAGACATCTtgatctCTTATCTCTCAAG ACATCTtacgctCTTATCTCTCAAGACATCT
8762	DNA; Synthetic Construct	AGATGTCTTGAGAGATAACtacgctAGATGTCTTGAGAGATAACtgccgctAGATGT CTTGAGAGATAACtgctttAGATGTCTTGAGAGATAACtgatctAGATGTCTTGAGA GATAACtacgctAGATGTCTTGAGAGATAAC
8763	DNA; Synthetic Construct	GTTATCTCTCAAGACATCTtacgctGTTATCTCTCAAGACATCTtgccgctGTTATC TCTCAAGACATCTtgctttGTTATCTCTCAAGACATCTtgatctGTTATCTCTCAAG ACATCTtacgctGTTATCTCTCAAGACATCT
8764	DNA; Synthetic Construct	AGATGTCTTGACAGATAAGtacgctAGATGTCTTGACAGATAAGtgccgctAGATGT CTTGACAGATAAGtgctttAGATGTCTTGACAGATAAGtgatctAGATGTCTTGACA GATAAGtacgctAGATGTCTTGACAGATAAG
8765	DNA; Synthetic Construct	CTTATCTGTCAAGACATCTtacgctCTTATCTGTCAAGACATCTtgccgctCTTATC TGTCAAGACATCTtgctttCTTATCTGTCAAGACATCTtgatctCTTATCTGTCAAG ACATCTtacgctCTTATCTGTCAAGACATCT
8766	DNA; Synthetic Construct	AGATGTCTTGACAGATAACtacgctAGATGTCTTGACAGATAACtgccgctAGATGT CTTGACAGATAACtgctttAGATGTCTTGACAGATAACtgatctAGATGTCTTGACA GATAACtacgctAGATGTCTTGACAGATAAC
8767	DNA; Synthetic Construct	GTTATCTGTCAAGACATCTtacgctGTTATCTGTCAAGACATCTtgccgctGTTATC TGTCAAGACATCTtgctttGTTATCTGTCAAGACATCTtgatctGTTATCTGTCAAG ACATCTtacgctGTTATCTGTCAAGACATCT
8768	DNA; Synthetic Construct	AGATGTCTTGGGAGATAAGtacgctAGATGTCTTGGGAGATAAGtgccgctAGATGT CTTGGGAGATAAGtgctttAGATGTCTTGGGAGATAAGtgatctAGATGTCTTGGGA GATAAGtacgctAGATGTCTTGGGAGATAAG
8769	DNA; Synthetic Construct	CTTATCTCCCAAGACATCTtacgctCTTATCTCCCAAGACATCTtgccgctCTTATC TCCCAAGACATCTtgctttCTTATCTCCCAAGACATCTtgatctCTTATCTCCCAAG ACATCTtacgctCTTATCTCCCAAGACATCT
8770	DNA; Synthetic Construct	AGATGTCTTGGGAGATAACtacgctAGATGTCTTGGGAGATAACtgccgctAGATGT CTTGGGAGATAACtgctttAGATGTCTTGGGAGATAACtgatctAGATGTCTTGGGA GATAACtacgctAGATGTCTTGGGAGATAAC
8771	DNA; Synthetic Construct	GTTATCTCCCAAGACATCTtacgctGTTATCTCCCAAGACATCTtgccgctGTTATC TCCCAAGACATCTtgctttGTTATCTCCCAAGACATCTtgatctGTTATCTCCCAAG ACATCTtacgctGTTATCTCCCAAGACATCT
8772	DNA; Synthetic Construct	AGATGTCTTGGCAGATAAGtacgctAGATGTCTTGGCAGATAAGtgccgctAGATGT CTTGGCAGATAAGtgctttAGATGTCTTGGCAGATAAGtgatctAGATGTCTTGGCA GATAAGtacgctAGATGTCTTGGCAGATAAG
8773	DNA; Synthetic Construct	CTTATCTGCCAAGACATCTtacgctCTTATCTGCCAAGACATCTtgccgctCTTATC TGCCAAGACATCTtgctttCTTATCTGCCAAGACATCTtgatctCTTATCTGCCAAG ACATCTtacgctCTTATCTGCCAAGACATCT

8774	DNA; Synthetic Construct	AGATGTCTTGGCAGATAACtacgctAGATGTCTTGGCAGATAACtgccgctAGATGT CTTGGCAGATAACtgctttAGATGTCTTGGCAGATAACtgatctAGATGTCTTGGCA GATAACtacgctAGATGTCTTGGCAGATAAC
8775	DNA; Synthetic Construct	GTTATCTGCCAAGACATCTtacgctGTTATCTGCCAAGACATCTtgccgctGTTATC TGCCAAGACATCTtgctttGTTATCTGCCAAGACATCTtgatctGTTATCTGCCAAG ACATCTtacgctGTTATCTGCCAAGACATCT
8776	DNA; Synthetic Construct	AGATGTCTTGTGAGATAAGtacgctAGATGTCTTGTGAGATAAGtgccgctAGATGT CTTGTGAGATAAGtgctttAGATGTCTTGTGAGATAAGtgatctAGATGTCTTGTGA GATAAGtacgctAGATGTCTTGTGAGATAAG
8777	DNA; Synthetic Construct	CTTATCTCACAAGACATCTtacgctCTTATCTCACAAGACATCTtgccgctCTTATC TCACAAGACATCTtgctttCTTATCTCACAAGACATCTtgatctCTTATCTCACAAG ACATCTtacgctCTTATCTCACAAGACATCT
8778	DNA; Synthetic Construct	AGATGTCTTGTGAGATAACtacgctAGATGTCTTGTGAGATAACtgccgctAGATGT CTTGTGAGATAACtgctttAGATGTCTTGTGAGATAACtgatctAGATGTCTTGTGA GATAACtacgctAGATGTCTTGTGAGATAAC
8779	DNA; Synthetic Construct	GTTATCTCACAAGACATCTtacgctGTTATCTCACAAGACATCTtgccgctGTTATC TCACAAGACATCTtgctttGTTATCTCACAAGACATCTtgatctGTTATCTCACAAG ACATCTtacgctGTTATCTCACAAGACATCT
8780	DNA; Synthetic Construct	AGATGTCTTGTCAGATAAGtacgctAGATGTCTTGTCAGATAAGtgccgctAGATGT CTTGTCAGATAAGtgctttAGATGTCTTGTCAGATAAGtgatctAGATGTCTTGTCA GATAAGtacgctAGATGTCTTGTCAGATAAG
8781	DNA; Synthetic Construct	CTTATCTGACAAGACATCTtacgctCTTATCTGACAAGACATCTtgccgctCTTATC TGACAAGACATCTtgctttCTTATCTGACAAGACATCTtgatctCTTATCTGACAAG ACATCTtacgctCTTATCTGACAAGACATCT
8782	DNA; Synthetic Construct	AGATGTCTTGTCAGATAACtacgctAGATGTCTTGTCAGATAACtgccgctAGATGT CTTGTCAGATAACtgctttAGATGTCTTGTCAGATAACtgatctAGATGTCTTGTCA GATAACtacgctAGATGTCTTGTCAGATAAC
8783	DNA; Synthetic Construct	GTTATCTGACAAGACATCTtacgctGTTATCTGACAAGACATCTtgccgctGTTATC TGACAAGACATCTtgctttGTTATCTGACAAGACATCTtgatctGTTATCTGACAAG ACATCTtacgctGTTATCTGACAAGACATCT
8784	DNA; Synthetic Construct	AGATCTCATGAGAGATAAGtacgctAGATCTCATGAGAGATAAGtgccgctAGATCT CATGAGAGATAAGtgctttAGATCTCATGAGAGATAAGtgatctAGATCTCATGAGA GATAAGtacgctAGATCTCATGAGAGATAAG
8785	DNA; Synthetic Construct	CTTATCTCTCATGAGATCTtacgctCTTATCTCTCATGAGATCTtgccgctCTTATC TCTCATGAGATCTtgctttCTTATCTCTCATGAGATCTtgatctCTTATCTCTCATG AGATCTtacgctCTTATCTCTCATGAGATCT
8786	DNA; Synthetic Construct	AGATCTCATGAGAGATAACtacgctAGATCTCATGAGAGATAACtgccgctAGATCT CATGAGAGATAACtgctttAGATCTCATGAGAGATAACtgatctAGATCTCATGAGA GATAACtacgctAGATCTCATGAGAGATAAC
8787	DNA; Synthetic Construct	GTTATCTCTCATGAGATCTtacgctGTTATCTCTCATGAGATCTtgccgctGTTATC TCTCATGAGATCTtgctttGTTATCTCTCATGAGATCTtgatctGTTATCTCTCATG AGATCTtacgctGTTATCTCTCATGAGATCT
8788	DNA; Synthetic Construct	AGATCTCATGACAGATAAGtacgctAGATCTCATGACAGATAAGtgccgctAGATCT CATGACAGATAAGtgctttAGATCTCATGACAGATAAGtgatctAGATCTCATGACA GATAAGtacgctAGATCTCATGACAGATAAG
8789	DNA; Synthetic Construct	CTTATCTGTCATGAGATCTtacgctCTTATCTGTCATGAGATCTtgccgctCTTATC TGTCATGAGATCTtgctttCTTATCTGTCATGAGATCTtgatctCTTATCTGTCATG AGATCTtacgctCTTATCTGTCATGAGATCT
8790	DNA; Synthetic Construct	AGATCTCATGACAGATAACtacgctAGATCTCATGACAGATAACtgccgctAGATCT CATGACAGATAACtgctttAGATCTCATGACAGATAACtgatctAGATCTCATGACA GATAACtacgctAGATCTCATGACAGATAAC
8791	DNA; Synthetic Construct	GTTATCTGTCATGAGATCTtacgctGTTATCTGTCATGAGATCTtgccgctGTTATC TGTCATGAGATCTtgctttGTTATCTGTCATGAGATCTtgatctGTTATCTGTCATG AGATCTtacgctGTTATCTGTCATGAGATCT

8792	DNA; Synthetic Construct	AGATCTCATGGGAGATAAGtacgctAGATCTCATGGGAGATAAGtgccgctAGATCT CATGGGAGATAAGtgctttAGATCTCATGGGAGATAAGtgatctAGATCTCATGGGA GATAAGtacgctAGATCTCATGGGAGATAAG
8793	DNA; Synthetic Construct	CTTATCTCCCATGAGATCTtacgctCTTATCTCCCATGAGATCTtgccgctCTTATC TCCCATGAGATCTtgctttCTTATCTCCCATGAGATCTtgatctCTTATCTCCCATG AGATCTtacgctCTTATCTCCCATGAGATCT
8794	DNA; Synthetic Construct	AGATCTCATGGGAGATAACtacgctAGATCTCATGGGAGATAACtgccgctAGATCT CATGGGAGATAACtgctttAGATCTCATGGGAGATAACtgatctAGATCTCATGGGA GATAACtacgctAGATCTCATGGGAGATAAC
8795	DNA; Synthetic Construct	GTTATCTCCCATGAGATCTtacgctGTTATCTCCCATGAGATCTtgccgctGTTATC TCCCATGAGATCTtgctttGTTATCTCCCATGAGATCTtgatctGTTATCTCCCATG AGATCTtacgctGTTATCTCCCATGAGATCT
8796	DNA; Synthetic Construct	AGATCTCATGGCAGATAAGtacgctAGATCTCATGGCAGATAAGtgccgctAGATCT CATGGCAGATAAGtgctttAGATCTCATGGCAGATAAGtgatctAGATCTCATGGCA GATAAGtacgctAGATCTCATGGCAGATAAG
8797	DNA; Synthetic Construct	CTTATCTGCCATGAGATCTtacgctCTTATCTGCCATGAGATCTtgccgctCTTATC TGCCATGAGATCTtgctttCTTATCTGCCATGAGATCTtgatctCTTATCTGCCATG AGATCTtacgctCTTATCTGCCATGAGATCT
8798	DNA; Synthetic Construct	AGATCTCATGGCAGATAACtacgctAGATCTCATGGCAGATAACtgccgctAGATCT CATGGCAGATAACtgctttAGATCTCATGGCAGATAACtgatctAGATCTCATGGCA GATAACtacgctAGATCTCATGGCAGATAAC
8799	DNA; Synthetic Construct	GTTATCTGCCATGAGATCTtacgctGTTATCTGCCATGAGATCTtgccgctGTTATC TGCCATGAGATCTtgctttGTTATCTGCCATGAGATCTtgatctGTTATCTGCCATG AGATCTtacgctGTTATCTGCCATGAGATCT
8800	DNA; Synthetic Construct	AGATCTCATGTGAGATAAGtacgctAGATCTCATGTGAGATAAGtgccgctAGATCT CATGTGAGATAAGtgctttAGATCTCATGTGAGATAAGtgatctAGATCTCATGTGA GATAAGtacgctAGATCTCATGTGAGATAAG
8801	DNA; Synthetic Construct	CTTATCTCACATGAGATCTtacgctCTTATCTCACATGAGATCTtgccgctCTTATC TCACATGAGATCTtgctttCTTATCTCACATGAGATCTtgatctCTTATCTCACATG AGATCTtacgctCTTATCTCACATGAGATCT
8802	DNA; Synthetic Construct	AGATCTCATGTGAGATAACtacgctAGATCTCATGTGAGATAACtgccgctAGATCT CATGTGAGATAACtgctttAGATCTCATGTGAGATAACtgatctAGATCTCATGTGA GATAACtacgctAGATCTCATGTGAGATAAC
8803	DNA; Synthetic Construct	GTTATCTCACATGAGATCTtacgctGTTATCTCACATGAGATCTtgccgctGTTATC TCACATGAGATCTtgctttGTTATCTCACATGAGATCTtgatctGTTATCTCACATG AGATCTtacgctGTTATCTCACATGAGATCT
8804	DNA; Synthetic Construct	AGATCTCATGTCAGATAAGtacgctAGATCTCATGTCAGATAAGtgccgctAGATCT CATGTCAGATAAGtgctttAGATCTCATGTCAGATAAGtgatctAGATCTCATGTCA GATAAGtacgctAGATCTCATGTCAGATAAG
8805	DNA; Synthetic Construct	CTTATCTGACATGAGATCTtacgctCTTATCTGACATGAGATCTtgccgctCTTATC TGACATGAGATCTtgctttCTTATCTGACATGAGATCTtgatctCTTATCTGACATG AGATCTtacgctCTTATCTGACATGAGATCT
8806	DNA; Synthetic Construct	AGATCTCATGTCAGATAACtacgctAGATCTCATGTCAGATAACtgccgctAGATCT CATGTCAGATAACtgctttAGATCTCATGTCAGATAACtgatctAGATCTCATGTCA GATAACtacgctAGATCTCATGTCAGATAAC
8807	DNA; Synthetic Construct	GTTATCTGACATGAGATCTtacgctGTTATCTGACATGAGATCTtgccgctGTTATC TGACATGAGATCTtgctttGTTATCTGACATGAGATCTtgatctGTTATCTGACATG AGATCTtacgctGTTATCTGACATGAGATCT
8808	DNA; Synthetic Construct	AGATCTCGTGAGAGATAAGtacgctAGATCTCGTGAGAGATAAGtgccgctAGATCT CGTGAGAGATAAGtgctttAGATCTCGTGAGAGATAAGtgatctAGATCTCGTGAGA GATAAGtacgctAGATCTCGTGAGAGATAAG
8809	DNA; Synthetic Construct	CTTATCTCTCACGAGATCTtacgctCTTATCTCTCACGAGATCTtgccgctCTTATC TCTCACGAGATCTtgctttCTTATCTCTCACGAGATCTtgatctCTTATCTCTCACG AGATCTtacgctCTTATCTCTCACGAGATCT

8810	DNA; Synthetic Construct	AGATCTCGTGAGAGATAACtacgctAGATCTCGTGAGAGATAACtgccgctAGATCT CGTGAGAGATAACtgctttAGATCTCGTGAGAGATAACtgatctAGATCTCGTGAGA GATAACtacgctAGATCTCGTGAGAGATAAC
8811	DNA; Synthetic Construct	GTTATCTCTCACGAGATCTtacgctGTTATCTCTCACGAGATCTtgccgctGTTATC TCTCACGAGATCTtgctttGTTATCTCTCACGAGATCTtgatctGTTATCTCTCACG AGATCTtacgctGTTATCTCTCACGAGATCT
8812	DNA; Synthetic Construct	AGATCTCGTGACAGATAAGtacgctAGATCTCGTGACAGATAAGtgccgctAGATCT CGTGACAGATAAGtgctttAGATCTCGTGACAGATAAGtgatctAGATCTCGTGACA GATAAGtacgctAGATCTCGTGACAGATAAG
8813	DNA; Synthetic Construct	CTTATCTGTCACGAGATCTtacgctCTTATCTGTCACGAGATCTtgccgctCTTATC TGTCACGAGATCTtgctttCTTATCTGTCACGAGATCTtgatctCTTATCTGTCACG AGATCTtacgctCTTATCTGTCACGAGATCT
8814	DNA; Synthetic Construct	AGATCTCGTGACAGATAACtacgctAGATCTCGTGACAGATAACtgccgctAGATCT CGTGACAGATAACtgctttAGATCTCGTGACAGATAACtgatctAGATCTCGTGACA GATAACtacgctAGATCTCGTGACAGATAAC
8815	DNA; Synthetic Construct	GTTATCTGTCACGAGATCTtacgctGTTATCTGTCACGAGATCTtgccgctGTTATC TGTCACGAGATCTtgctttGTTATCTGTCACGAGATCTtgatctGTTATCTGTCACG AGATCTtacgctGTTATCTGTCACGAGATCT
8816	DNA; Synthetic Construct	AGATCTCGTGGGAGATAAGtacgctAGATCTCGTGGGAGATAAGtgccgctAGATCT CGTGGGAGATAAGtgctttAGATCTCGTGGGAGATAAGtgatctAGATCTCGTGGGA GATAAGtacgctAGATCTCGTGGGAGATAAG
8817	DNA; Synthetic Construct	CTTATCTCCCACGAGATCTtacgctCTTATCTCCCACGAGATCTtgccgctCTTATC TCCCACGAGATCTtgctttCTTATCTCCCACGAGATCTtgatctCTTATCTCCCACG AGATCTtacgctCTTATCTCCCACGAGATCT
8818	DNA; Synthetic Construct	AGATCTCGTGGGAGATAACtacgctAGATCTCGTGGGAGATAACtgccgctAGATCT CGTGGGAGATAACtgctttAGATCTCGTGGGAGATAACtgatctAGATCTCGTGGGA GATAACtacgctAGATCTCGTGGGAGATAAC
8819	DNA; Synthetic Construct	GTTATCTCCCACGAGATCTtacgctGTTATCTCCCACGAGATCTtgccgctGTTATC TCCCACGAGATCTtgctttGTTATCTCCCACGAGATCTtgatctGTTATCTCCCACG AGATCTtacgctGTTATCTCCCACGAGATCT
8820	DNA; Synthetic Construct	AGATCTCGTGGCAGATAAGtacgctAGATCTCGTGGCAGATAAGtgccgctAGATCT CGTGGCAGATAAGtgctttAGATCTCGTGGCAGATAAGtgatctAGATCTCGTGGCA GATAAGtacgctAGATCTCGTGGCAGATAAG
8821	DNA; Synthetic Construct	CTTATCTGCCACGAGATCTtacgctCTTATCTGCCACGAGATCTtgccgctCTTATC TGCCACGAGATCTtgctttCTTATCTGCCACGAGATCTtgatctCTTATCTGCCACG AGATCTtacgctCTTATCTGCCACGAGATCT
8822	DNA; Synthetic Construct	AGATCTCGTGGCAGATAACtacgctAGATCTCGTGGCAGATAACtgccgctAGATCT CGTGGCAGATAACtgctttAGATCTCGTGGCAGATAACtgatctAGATCTCGTGGCA GATAACtacgctAGATCTCGTGGCAGATAAC
8823	DNA; Synthetic Construct	GTTATCTGCCACGAGATCTtacgctGTTATCTGCCACGAGATCTtgccgctGTTATC TGCCACGAGATCTtgctttGTTATCTGCCACGAGATCTtgatctGTTATCTGCCACG AGATCTtacgctGTTATCTGCCACGAGATCT
8824	DNA; Synthetic Construct	AGATCTCGTGTGAGATAAGtacgctAGATCTCGTGTGAGATAAGtgccgctAGATCT CGTGTGAGATAAGtgctttAGATCTCGTGTGAGATAAGtgatctAGATCTCGTGTGA GATAAGtacgctAGATCTCGTGTGAGATAAG
8825	DNA; Synthetic Construct	CTTATCTCACACGAGATCTtacgctCTTATCTCACACGAGATCTtgccgctCTTATC TCACACGAGATCTtgctttCTTATCTCACACGAGATCTtgatctCTTATCTCACACG AGATCTtacgctCTTATCTCACACGAGATCT
8826	DNA; Synthetic Construct	AGATCTCGTGTGAGATAACtacgctAGATCTCGTGTGAGATAACtgccgctAGATCT CGTGTGAGATAACtgctttAGATCTCGTGTGAGATAACtgatctAGATCTCGTGTGA GATAACtacgctAGATCTCGTGTGAGATAAC
8827	DNA; Synthetic Construct	GTTATCTCACACGAGATCTtacgctGTTATCTCACACGAGATCTtgccgctGTTATC TCACACGAGATCTtgctttGTTATCTCACACGAGATCTtgatctGTTATCTCACACG AGATCTtacgctGTTATCTCACACGAGATCT

8828	DNA; Synthetic Construct	AGATCTCGTGTCAGATAAGtacgctAGATCTCGTGTCAGATAAGtgccgctAGATCT CGTGTCAGATAAGtgctttAGATCTCGTGTCAGATAAGtgatctAGATCTCGTGTCA GATAAGtacgctAGATCTCGTGTCAGATAAG
8829	DNA; Synthetic Construct	CTTATCTGACACGAGATCTtacgctCTTATCTGACACGAGATCTtgccgctCTTATC TGACACGAGATCTtgctttCTTATCTGACACGAGATCTtgatctCTTATCTGACACG AGATCTtacgctCTTATCTGACACGAGATCT
8830	DNA; Synthetic Construct	AGATCTCGTGTCAGATAACtacgctAGATCTCGTGTCAGATAACtgccgctAGATCT CGTGTCAGATAACtgctttAGATCTCGTGTCAGATAACtgatctAGATCTCGTGTCA GATAACtacgctAGATCTCGTGTCAGATAAC
8831	DNA; Synthetic Construct	GTTATCTGACACGAGATCTtacgctGTTATCTGACACGAGATCTtgccgctGTTATC TGACACGAGATCTtgctttGTTATCTGACACGAGATCTtgatctGTTATCTGACACG AGATCTtacgctGTTATCTGACACGAGATCT
8832	DNA; Synthetic Construct	AGATCTCTTGAGAGATAAGtacgctAGATCTCTTGAGAGATAAGtgccgctAGATCT CTTGAGAGATAAGtgctttAGATCTCTTGAGAGATAAGtgatctAGATCTCTTGAGA GATAAGtacgctAGATCTCTTGAGAGATAAG
8833	DNA; Synthetic Construct	CTTATCTCTCAAGAGATCTtacgctCTTATCTCTCAAGAGATCTtgccgctCTTATC TCTCAAGAGATCTtgctttCTTATCTCTCAAGAGATCTtgatctCTTATCTCTCAAG AGATCTtacgctCTTATCTCTCAAGAGATCT
8834	DNA; Synthetic Construct	AGATCTCTTGAGAGATAACtacgctAGATCTCTTGAGAGATAACtgccgctAGATCT CTTGAGAGATAACtgctttAGATCTCTTGAGAGATAACtgatctAGATCTCTTGAGA GATAACtacgctAGATCTCTTGAGAGATAAC
8835	DNA; Synthetic Construct	GTTATCTCTCAAGAGATCTtacgctGTTATCTCTCAAGAGATCTtgccgctGTTATC TCTCAAGAGATCTtgctttGTTATCTCTCAAGAGATCTtgatctGTTATCTCTCAAG AGATCTtacgctGTTATCTCTCAAGAGATCT
8836	DNA; Synthetic Construct	AGATCTCTTGACAGATAAGtacgctAGATCTCTTGACAGATAAGtgccgctAGATCT CTTGACAGATAAGtgctttAGATCTCTTGACAGATAAGtgatctAGATCTCTTGACA GATAAGtacgctAGATCTCTTGACAGATAAG
8837	DNA; Synthetic Construct	CTTATCTGTCAAGAGATCTtacgctCTTATCTGTCAAGAGATCTtgccgctCTTATC TGTCAAGAGATCTtgctttCTTATCTGTCAAGAGATCTtgatctCTTATCTGTCAAG AGATCTtacgctCTTATCTGTCAAGAGATCT
8838	DNA; Synthetic Construct	AGATCTCTTGACAGATAACtacgctAGATCTCTTGACAGATAACtgccgctAGATCT CTTGACAGATAACtgctttAGATCTCTTGACAGATAACtgatctAGATCTCTTGACA GATAACtacgctAGATCTCTTGACAGATAAC
8839	DNA; Synthetic Construct	GTTATCTGTCAAGAGATCTtacgctGTTATCTGTCAAGAGATCTtgccgctGTTATC TGTCAAGAGATCTtgctttGTTATCTGTCAAGAGATCTtgatctGTTATCTGTCAAG AGATCTtacgctGTTATCTGTCAAGAGATCT
8840	DNA; Synthetic Construct	AGATCTCTTGGGAGATAAGtacgctAGATCTCTTGGGAGATAAGtgccgctAGATCT CTTGGGAGATAAGtgctttAGATCTCTTGGGAGATAAGtgatctAGATCTCTTGGGA GATAAGtacgctAGATCTCTTGGGAGATAAG
8841	DNA; Synthetic Construct	CTTATCTCCCAAGAGATCTtacgctCTTATCTCCCAAGAGATCTtgccgctCTTATC TCCCAAGAGATCTtgctttCTTATCTCCCAAGAGATCTtgatctCTTATCTCCCAAG AGATCTtacgctCTTATCTCCCAAGAGATCT
8842	DNA; Synthetic Construct	AGATCTCTTGGGAGATAACtacgctAGATCTCTTGGGAGATAACtgccgctAGATCT CTTGGGAGATAACtgctttAGATCTCTTGGGAGATAACtgatctAGATCTCTTGGGA GATAACtacgctAGATCTCTTGGGAGATAAC
8843	DNA; Synthetic Construct	GTTATCTCCCAAGAGATCTtacgctGTTATCTCCCAAGAGATCTtgccgctGTTATC TCCCAAGAGATCTtgctttGTTATCTCCCAAGAGATCTtgatctGTTATCTCCCAAG AGATCTtacgctGTTATCTCCCAAGAGATCT
8844	DNA; Synthetic Construct	AGATCTCTTGGCAGATAAGtacgctAGATCTCTTGGCAGATAAGtgccgctAGATCT CTTGGCAGATAAGtgctttAGATCTCTTGGCAGATAAGtgatctAGATCTCTTGGCA GATAAGtacgctAGATCTCTTGGCAGATAAG
8845	DNA; Synthetic Construct	CTTATCTGCCAAGAGATCTtacgctCTTATCTGCCAAGAGATCTtgccgctCTTATC TGCCAAGAGATCTtgctttCTTATCTGCCAAGAGATCTtgatctCTTATCTGCCAAG AGATCTtacgctCTTATCTGCCAAGAGATCT

8846	DNA; Synthetic Construct	AGATCTCTTGGCAGATAACtacgctAGATCTCTTGGCAGATAACtgccgctAGATCT CTTGGCAGATAACtgctttAGATCTCTTGGCAGATAACtgatctAGATCTCTTGGCA GATAACtacgctAGATCTCTTGGCAGATAAC
8847	DNA; Synthetic Construct	GTTATCTGCCAAGAGATCTtacgctGTTATCTGCCAAGAGATCTtgccgctGTTATC TGCCAAGAGATCTtgctttGTTATCTGCCAAGAGATCTtgatctGTTATCTGCCAAG AGATCTtacgctGTTATCTGCCAAGAGATCT
8848	DNA; Synthetic Construct	AGATCTCTTGTGAGATAAGtacgctAGATCTCTTGTGAGATAAGtgccgctAGATCT CTTGTGAGATAAGtgctttAGATCTCTTGTGAGATAAGtgatctAGATCTCTTGTGA GATAAGtacgctAGATCTCTTGTGAGATAAG
8849	DNA; Synthetic Construct	CTTATCTCACAAGAGATCTtacgctCTTATCTCACAAGAGATCTtgccgctCTTATC TCACAAGAGATCTtgctttCTTATCTCACAAGAGATCTtgatctCTTATCTCACAAG AGATCTtacgctCTTATCTCACAAGAGATCT
8850	DNA; Synthetic Construct	AGATCTCTTGTGAGATAACtacgctAGATCTCTTGTGAGATAACtgccgctAGATCT CTTGTGAGATAACtgctttAGATCTCTTGTGAGATAACtgatctAGATCTCTTGTGA GATAACtacgctAGATCTCTTGTGAGATAAC
8851	DNA; Synthetic Construct	GTTATCTCACAAGAGATCTtacgctGTTATCTCACAAGAGATCTtgccgctGTTATC TCACAAGAGATCTtgctttGTTATCTCACAAGAGATCTtgatctGTTATCTCACAAG AGATCTtacgctGTTATCTCACAAGAGATCT
8852	DNA; Synthetic Construct	AGATCTCTTGTCAGATAAGtacgctAGATCTCTTGTCAGATAAGtgccgctAGATCT CTTGTCAGATAAGtgctttAGATCTCTTGTCAGATAAGtgatctAGATCTCTTGTCA GATAAGtacgctAGATCTCTTGTCAGATAAG
8853	DNA; Synthetic Construct	CTTATCTGACAAGAGATCTtacgctCTTATCTGACAAGAGATCTtgccgctCTTATC TGACAAGAGATCTtgctttCTTATCTGACAAGAGATCTtgatctCTTATCTGACAAG AGATCTtacgctCTTATCTGACAAGAGATCT
8854	DNA; Synthetic Construct	AGATCTCTTGTCAGATAACtacgctAGATCTCTTGTCAGATAACtgccgctAGATCT CTTGTCAGATAACtgctttAGATCTCTTGTCAGATAACtgatctAGATCTCTTGTCA GATAACtacgctAGATCTCTTGTCAGATAAC
8855	DNA; Synthetic Construct	GTTATCTGACAAGAGATCTtacgctGTTATCTGACAAGAGATCTtgccgctGTTATC TGACAAGAGATCTtgctttGTTATCTGACAAGAGATCTtgatctGTTATCTGACAAG AGATCTtacgctGTTATCTGACAAGAGATCT
8856	DNA; Synthetic Construct	TGACCTTTGCCCCAtgatctTGACCTTTGCCCCAtacgctTGACCTTTGCCCCAtgc cgcttGACCTTTGCCCCAtgctttTGACCTTTGCCCCAtgatctTGACCTTTGCCCC AtacgctTGACCTTTGCCCCA
8857	DNA; Synthetic Construct	TGGGGCAAAGGTCAtgatctTGGGGCAAAGGTCAtacgctTGGGGCAAAGGTCAtgc cgctTGGGGCAAAGGTCAtgctttTGGGGCAAAGGTCAtgatctTGGGGCAAAGGTC AtacgctTGGGGCAAAGGTCA
8858	DNA; Synthetic Construct	GCTATTTTTAGCtgctttGCTATTTTTAGCtgatctGCTATTTTTAGCtacgctGCT ATTTTTAGCtgccgctGCTATTTTTAGCtgctttGCTATTTTTAGCtgatctGCTAT TTTTAGCtacgctGCTATTTTTAGC
8859	DNA; Synthetic Construct	GCTAAAAATAGCtgctttGCTAAAAATAGCtgatctGCTAAAAATAGCtacgctGCT AAAAATAGCtgccgctGCTAAAAATAGCtgctttGCTAAAAATAGCtgatctGCTAA AAATAGCtacgctGCTAAAAATAGC
8860	DNA; Synthetic Construct	AACCGGAAGTtgccgctAACCGGAAGTtgctttAACCGGAAGTtgatctAACCGGAA GTtacgctAACCGGAAGTtgccgctAACCGGAAGTtgctttAACCGGAAGTtgatct AACCGGAAGTtacgctAACCGGAAGT
8861	DNA; Synthetic Construct	ACTTCCGGTTtgccgctACTTCCGGTTtgctttACTTCCGGTTtgatctACTTCCGG TTtacgctACTTCCGGTTtgccgctACTTCCGGTTtgctttACTTCCGGTTtgatct ACTTCCGGTTtacgctACTTCCGGTT
8862	DNA; Synthetic Construct	GCCCCGCCCtacgctGCCCCGCCCtgccgctGCCCCGCCCtgctttGCCCCGCCCtg atctGCCCCGCCCtacgctGCCCCGCCCtgccgctGCCCCGCCCtgctttGCCCCGC CCtgatctGCCCCGCCCtacgctGCCCCGCCC
8863	DNA; Synthetic Construct	GGGCGGGGCtacgctGGGCGGGGCtgccgctGGGCGGGGCtgctttGGGCGGGGCtg atctGGGCGGGGCtacgctGGGCGGGGCtgccgctGGGCGGGGCtgctttGGGCGGG GCtgatctGGGCGGGGCtacgctGGGCGGGGC

8864	DNA; Synthetic Construct	GCCCCTCCCtacgctGCCCCTCCCtgccgctGCCCCTCCCtgctttGCCCCTCCCtg atctGCCCCTCCCtacgctGCCCCTCCCtgccgctGCCCCTCCCtgctttGCCCCTC CCtgatctGCCCCTCCCtacgctGCCCCTCCC
8865	DNA; Synthetic Construct	GGGAGGGGCtacgctGGGAGGGGCtgccgctGGGAGGGGCtgctttGGGAGGGGCtg atctGGGAGGGGCtacgctGGGAGGGGCtgccgctGGGAGGGGCtgctttGGGAGGG GCtgatctGGGAGGGGCtacgctGGGAGGGGC
8866	DNA; Synthetic Construct	CCCCCGCCCtacgctCCCCCGCCCtgccgctCCCCCGCCCtgctttCCCCCGCCCtg atctCCCCCGCCCtacgctCCCCCGCCCtgccgctCCCCCGCCCtgctttCCCCCGC CCtgatctCCCCCGCCCtacgctCCCCCGCCC
8867	DNA; Synthetic Construct	GGGCGGGGGtacgctGGGCGGGGGtgccgctGGGCGGGGGtgctttGGGCGGGGGtg atctGGGCGGGGGtacgctGGGCGGGGGtgccgctGGGCGGGGGtgctttGGGCGGG GGtgatctGGGCGGGGGtacgctGGGCGGGGG
8868	DNA; Synthetic Construct	CCCCCTCCCtacgctCCCCCTCCCtgccgctCCCCCTCCCtgctttCCCCCTCCCtg atctCCCCCTCCCtacgctCCCCCTCCCtgccgctCCCCCTCCCtgctttCCCCCTC CCtgatctCCCCCTCCCtacgctCCCCCTCCC
8869	DNA; Synthetic Construct	GGGAGGGGGtacgctGGGAGGGGGtgccgctGGGAGGGGGtgctttGGGAGGGGGtg atctGGGAGGGGGtacgctGGGAGGGGGtgccgctGGGAGGGGGtgctttGGGAGGG GGtgatctGGGAGGGGGtacgctGGGAGGGGG
8870	DNA; Synthetic Construct	ATGCGGGTtacgctATGCGGGTtgccgctATGCGGGTtgctttATGCGGGTtgatct ATGCGGGTtacgctATGCGGGTtgccgctATGCGGGTtgctttATGCGGGTtgatct ATGCGGGTtacgctATGCGGGT
8871	DNA; Synthetic Construct	ACCCGCATtacgctACCCGCATtgccgctACCCGCATtgctttACCCGCATtgatct ACCCGCATtacgctACCCGCATtgccgctACCCGCATtgctttACCCGCATtgatct ACCCGCATtacgctACCCGCAT
8872	DNA; Synthetic Construct	CCTTATCTCtacgctCCTTATCTCtgccgctCCTTATCTCtgctttCCTTATCTCtg atctCCTTATCTCtacgctCCTTATCTCtgccgctCCTTATCTCtgctttCCTTATC TCtgatctCCTTATCTCtacgctCCTTATCTC
8873	DNA; Synthetic Construct	GAGATAAGGtacgctGAGATAAGGtgccgctGAGATAAGGtgctttGAGATAAGGtg atctGAGATAAGGtacgctGAGATAAGGtgccgctGAGATAAGGtgctttGAGATAA GGtgatctGAGATAAGGtacgctGAGATAAGG
8874	DNA; Synthetic Construct	CCTTATCTGtacgctCCTTATCTGtgccgctCCTTATCTGtgctttCCTTATCTGtg atctCCTTATCTGtacgctCCTTATCTGtgccgctCCTTATCTGtgctttCCTTATC TGtgatctCCTTATCTGtacgctCCTTATCTG
8875	DNA; Synthetic Construct	CAGATAAGGtacgctCAGATAAGGtgccgctCAGATAAGGtgctttCAGATAAGGtg atctCAGATAAGGtacgctCAGATAAGGtgccgctCAGATAAGGtgctttCAGATAA GGtgatctCAGATAAGGtacgctCAGATAAGG
8876	DNA; Synthetic Construct	CCTTATCTTtacgctCCTTATCTTtgccgctCCTTATCTTtgctttCCTTATCTTtg atctCCTTATCTTtacgctCCTTATCTTtgccgctCCTTATCTTtgctttCCTTATC TTtgatctCCTTATCTTtacgctCCTTATCTT
8877	DNA; Synthetic Construct	AAGATAAGGtacgctAAGATAAGGtgccgctAAGATAAGGtgctttAAGATAAGGtg atctAAGATAAGGtacgctAAGATAAGGtgccgctAAGATAAGGtgctttAAGATAA GGtgatctAAGATAAGGtacgctAAGATAAGG
8878	DNA; Synthetic Construct	TCTTATCTCtacgctTCTTATCTCtgccgctTCTTATCTCtgctttTCTTATCTCtg atctTCTTATCTCtacgctTCTTATCTCtgccgctTCTTATCTCtgctttTCTTATC TCtgatctTCTTATCTCtacgctTCTTATCTC
8879	DNA; Synthetic Construct	GAGATAAGAtacgctGAGATAAGAtgccgctGAGATAAGAtgctttGAGATAAGAtg atctGAGATAAGAtacgctGAGATAAGAtgccgctGAGATAAGAtgctttGAGATAA GAtgatctGAGATAAGAtacgctGAGATAAGA
8880	DNA; Synthetic Construct	TCTTATCTGtacgctTCTTATCTGtgccgctTCTTATCTGtgctttTCTTATCTGtg atctTCTTATCTGtacgctTCTTATCTGtgccgctTCTTATCTGtgctttTCTTATC TGtgatctTCTTATCTGtacgctTCTTATCTG
8881	DNA; Synthetic Construct	CAGATAAGAtacgctCAGATAAGAtgccgctCAGATAAGAtgctttCAGATAAGAtg atctCAGATAAGAtacgctCAGATAAGAtgccgctCAGATAAGAtgctttCAGATAA GAtgatctCAGATAAGAtacgctCAGATAAGA

8882	DNA; Synthetic Construct	TCTTATCTTtacgctTCTTATCTTtgccgctTCTTATCTTtgctttTCTTATCTTtg atctTCTTATCTTtacgctTCTTATCTTtgccgctTCTTATCTTtgctttTCTTATC TTtgatctTCTTATCTTtacgctTCTTATCTT
8883	DNA; Synthetic Construct	AAGATAAGAtacgctAAGATAAGAtgccgctAAGATAAGAtgctttAAGATAAGAtg atctAAGATAAGAtacgctAAGATAAGAtgccgctAAGATAAGAtgctttAAGATAA GAtgatctAAGATAAGAtacgctAAGATAAGA
8884	DNA; Synthetic Construct	AACCACGCACCCATCtgatctAACCACGCACCCATCtacgctAACCACGCACCCATC tgccgctAACCACGCACCCATCtgctttAACCACGCACCCATCtgatctAACCACGC ACCCATCtacgctAACCACGCACCCATC
8885	DNA; Synthetic Construct	GATGGGTGCGTGGTTtgatctGATGGGTGCGTGGTTtacgctGATGGGTGCGTGGTT tgccgctGATGGGTGCGTGGTTtgctttGATGGGTGCGTGGTTtgatctGATGGGTG CGTGGTTtacgctGATGGGTGCGTGGTT
8886	DNA; Synthetic Construct	AACCACGCACCCATTtgatctAACCACGCACCCATTtacgctAACCACGCACCCATT tgccgctAACCACGCACCCATTtgctttAACCACGCACCCATTtgatctAACCACGC ACCCATTtacgctAACCACGCACCCATT
8887	DNA; Synthetic Construct	AATGGGTGCGTGGTTtgatctAATGGGTGCGTGGTTtacgctAATGGGTGCGTGGTT tgccgctAATGGGTGCGTGGTTtgctttAATGGGTGCGTGGTTtgatctAATGGGTG CGTGGTTtacgctAATGGGTGCGTGGTT
8888	DNA; Synthetic Construct	AACCACGCACCCCTCtgatctAACCACGCACCCCTCtacgctAACCACGCACCCCTC tgccgctAACCACGCACCCCTCtgctttAACCACGCACCCCTCtgatctAACCACGC ACCCCTCtacgctAACCACGCACCCCTC
8889	DNA; Synthetic Construct	GAGGGGTGCGTGGTTtgatctGAGGGGTGCGTGGTTtacgctGAGGGGTGCGTGGTT tgccgctGAGGGGTGCGTGGTTtgctttGAGGGGTGCGTGGTTtgatctGAGGGGTG CGTGGTTtacgctGAGGGGTGCGTGGTT
8890	DNA; Synthetic Construct	AACCACGCACCCCTTtgatctAACCACGCACCCCTTtacgctAACCACGCACCCCTT tgccgctAACCACGCACCCCTTtgctttAACCACGCACCCCTTtgatctAACCACGC ACCCCTTtacgctAACCACGCACCCCTT
8891	DNA; Synthetic Construct	AAGGGGTGCGTGGTTtgatctAAGGGGTGCGTGGTTtacgctAAGGGGTGCGTGGTT tgccgctAAGGGGTGCGTGGTTtgctttAAGGGGTGCGTGGTTtgatctAAGGGGTG CGTGGTTtacgctAAGGGGTGCGTGGTT
8892	DNA; Synthetic Construct	ACCCACGCACCCATCtgatctACCCACGCACCCATCtacgctACCCACGCACCCATC tgccgctACCCACGCACCCATCtgctttACCCACGCACCCATCtgatctACCCACGC ACCCATCtacgctACCCACGCACCCATC
8893	DNA; Synthetic Construct	GATGGGTGCGTGGGTtgatctGATGGGTGCGTGGGTtacgctGATGGGTGCGTGGGT tgccgctGATGGGTGCGTGGGTtgctttGATGGGTGCGTGGGTtgatctGATGGGTG CGTGGGTtacgctGATGGGTGCGTGGGT
8894	DNA; Synthetic Construct	ACCCACGCACCCATTtgatctACCCACGCACCCATTtacgctACCCACGCACCCATT tgccgctACCCACGCACCCATTtgctttACCCACGCACCCATTtgatctACCCACGC ACCCATTtacgctACCCACGCACCCATT
8895	DNA; Synthetic Construct	AATGGGTGCGTGGGTtgatctAATGGGTGCGTGGGTtacgctAATGGGTGCGTGGGT tgccgctAATGGGTGCGTGGGTtgctttAATGGGTGCGTGGGTtgatctAATGGGTG CGTGGGTtacgctAATGGGTGCGTGGGT
8896	DNA; Synthetic Construct	ACCCACGCACCCCTCtgatctACCCACGCACCCCTCtacgctACCCACGCACCCCTC tgccgctACCCACGCACCCCTCtgctttACCCACGCACCCCTCtgatctACCCACGC ACCCCTCtacgctACCCACGCACCCCTC
8897	DNA; Synthetic Construct	GAGGGGTGCGTGGGTtgatctGAGGGGTGCGTGGGTtacgctGAGGGGTGCGTGGGT tgccgctGAGGGGTGCGTGGGTtgctttGAGGGGTGCGTGGGTtgatctGAGGGGTG CGTGGGTtacgctGAGGGGTGCGTGGGT
8898	DNA; Synthetic Construct	ACCCACGCACCCCTTtgatctACCCACGCACCCCTTtacgctACCCACGCACCCCTT tgccgctACCCACGCACCCCTTtgctttACCCACGCACCCCTTtgatctACCCACGC ACCCCTTtacgctACCCACGCACCCCTT
8899	DNA; Synthetic Construct	AAGGGGTGCGTGGGTtgatctAAGGGGTGCGTGGGTtacgctAAGGGGTGCGTGGGT tgccgctAAGGGGTGCGTGGGTtgctttAAGGGGTGCGTGGGTtgatctAAGGGGTG CGTGGGTtacgctAAGGGGTGCGTGGGT

8900	DNA; Synthetic Construct	CACCACGCACCCATCtgatctCACCACGCACCCATCtacgctCACCACGCACCCATC tgccgctCACCACGCACCCATCtgctttCACCACGCACCCATCtgatctCACCACGC ACCCATCtacgctCACCACGCACCCATC
8901	DNA; Synthetic Construct	GATGGGTGCGTGGTGtgatctGATGGGTGCGTGGTGtacgctGATGGGTGCGTGGTG tgccgctGATGGGTGCGTGGTGtgctttGATGGGTGCGTGGTGtgatctGATGGGTG CGTGGTGtacgctGATGGGTGCGTGGTG
8902	DNA; Synthetic Construct	CACCACGCACCCATTtgatctCACCACGCACCCATTtacgctCACCACGCACCCATT tgccgctCACCACGCACCCATTtgctttCACCACGCACCCATTtgatctCACCACGC ACCCATTtacgctCACCACGCACCCATT
8903	DNA; Synthetic Construct	AATGGGTGCGTGGTGtgatctAATGGGTGCGTGGTGtacgctAATGGGTGCGTGGTG tgccgctAATGGGTGCGTGGTGtgctttAATGGGTGCGTGGTGtgatctAATGGGTG CGTGGTGtacgctAATGGGTGCGTGGTG
8904	DNA; Synthetic Construct	CACCACGCACCCCTCtgatctCACCACGCACCCCTCtacgctCACCACGCACCCCTC tgccgctCACCACGCACCCCTCtgctttCACCACGCACCCCTCtgatctCACCACGC ACCCCTCtacgctCACCACGCACCCCTC
8905	DNA; Synthetic Construct	GAGGGGTGCGTGGTGtgatctGAGGGGTGCGTGGTGtacgctGAGGGGTGCGTGGTG tgccgctGAGGGGTGCGTGGTGtgctttGAGGGGTGCGTGGTGtgatctGAGGGGTG CGTGGTGtacgctGAGGGGTGCGTGGTG
8906	DNA; Synthetic Construct	CACCACGCACCCCTTtgatctCACCACGCACCCCTTtacgctCACCACGCACCCCTT tgccgctCACCACGCACCCCTTtgctttCACCACGCACCCCTTtgatctCACCACGC ACCCCTTtacgctCACCACGCACCCCTT
8907	DNA; Synthetic Construct	AAGGGGTGCGTGGTGtgatctAAGGGGTGCGTGGTGtacgctAAGGGGTGCGTGGTG tgccgctAAGGGGTGCGTGGTGtgctttAAGGGGTGCGTGGTGtgatctAAGGGGTG CGTGGTGtacgctAAGGGGTGCGTGGTG
8908	DNA; Synthetic Construct	CCCCACGCACCCATCtgatctCCCCACGCACCCATCtacgctCCCCACGCACCCATC tgccgctCCCCACGCACCCATCtgctttCCCCACGCACCCATCtgatctCCCCACGC ACCCATCtacgctCCCCACGCACCCATC
8909	DNA; Synthetic Construct	GATGGGTGCGTGGGGtgatctGATGGGTGCGTGGGGtacgctGATGGGTGCGTGGGG tgccgctGATGGGTGCGTGGGGtgctttGATGGGTGCGTGGGGtgatctGATGGGTG CGTGGGGtacgctGATGGGTGCGTGGGG
8910	DNA; Synthetic Construct	CCCCACGCACCCATTtgatctCCCCACGCACCCATTtacgctCCCCACGCACCCATT tgccgctCCCCACGCACCCATTtgctttCCCCACGCACCCATTtgatctCCCCACGC ACCCATTtacgctCCCCACGCACCCATT
8911	DNA; Synthetic Construct	AATGGGTGCGTGGGGtgatctAATGGGTGCGTGGGGtacgctAATGGGTGCGTGGGG tgccgctAATGGGTGCGTGGGGtgctttAATGGGTGCGTGGGGtgatctAATGGGTG CGTGGGGtacgctAATGGGTGCGTGGGG
8912	DNA; Synthetic Construct	CCCCACGCACCCCTCtgatctCCCCACGCACCCCTCtacgctCCCCACGCACCCCTC tgccgctCCCCACGCACCCCTCtgctttCCCCACGCACCCCTCtgatctCCCCACGC ACCCCTCtacgctCCCCACGCACCCCTC
8913	DNA; Synthetic Construct	GAGGGGTGCGTGGGGtgatctGAGGGGTGCGTGGGGtacgctGAGGGGTGCGTGGGG tgccgctGAGGGGTGCGTGGGGtgctttGAGGGGTGCGTGGGGtgatctGAGGGGTG CGTGGGGtacgctGAGGGGTGCGTGGGG
8914	DNA; Synthetic Construct	CCCCACGCACCCCTTtgatctCCCCACGCACCCCTTtacgctCCCCACGCACCCCTT tgccgctCCCCACGCACCCCTTtgctttCCCCACGCACCCCTTtgatctCCCCACGC ACCCCTTtacgctCCCCACGCACCCCTT
8915	DNA; Synthetic Construct	AAGGGGTGCGTGGGGtgatctAAGGGGTGCGTGGGGtacgctAAGGGGTGCGTGGGG tgccgctAAGGGGTGCGTGGGGtgctttAAGGGGTGCGTGGGGtgatctAAGGGGTG CGTGGGGtacgctAAGGGGTGCGTGGGG
8916	DNA; Synthetic Construct	GCTGTTCCATCTGCCGCCCtacgctGCTGTTCCATCTGCCGCCCtgccgctGCTGTT CCATCTGCCGCCCtgctttGCTGTTCCATCTGCCGCCCtgatctGCTGTTCCATCTG CCGCCCtacgctGCTGTTCCATCTGCCGCCC
8917	DNA; Synthetic Construct	GGGCGGCAGATGGAACAGCtacgctGGGCGGCAGATGGAACAGCtgccgctGGGCGG CAGATGGAACAGCtgctttGGGCGGCAGATGGAACAGCtgatctGGGCGGCAGATGG AACAGCtacgctGGGCGGCAGATGGAACAGC

8918	DNA; Synthetic Construct	GCTCTTCCATCTGCCGCCCtacgctGCTCTTCCATCTGCCGCCCtgccgctGCTCTT CCATCTGCCGCCCtgctttGCTCTTCCATCTGCCGCCCtgatctGCTCTTCCATCTG CCGCCCtacgctGCTCTTCCATCTGCCGCCC
8919	DNA; Synthetic Construct	GGGCGGCAGATGGAAGAGCtacgctGGGCGGCAGATGGAAGAGCtgccgctGGGCGG CAGATGGAAGAGCtgctttGGGCGGCAGATGGAAGAGCtgatctGGGCGGCAGATGG AAGAGCtacgctGGGCGGCAGATGGAAGAGC
8920	DNA; Synthetic Construct	ACCGGAAGTAtgccgctACCGGAAGTAtgctttACCGGAAGTAtgatctACCGGAAG TAtacgctACCGGAAGTAtgccgctACCGGAAGTAtgctttACCGGAAGTAtgatct ACCGGAAGTAtacgctACCGGAAGTA
8921	DNA; Synthetic Construct	TACTTCCGGTtgccgcttACTTCCGGTtgctttACTTCCGGTtgatctTACTTCCG GTtacgcttACTTCCGGTtgccgcttACTTCCGGTtgctttACTTCCGGTtgatct TACTTCCGGTtacgcttACTTCCGGT
8922	DNA; Synthetic Construct	ACCGGAAGTGtgccgctACCGGAAGTGtgctttACCGGAAGTGtgatctACCGGAAG TGtacgctACCGGAAGTGtgccgctACCGGAAGTGtgctttACCGGAAGTGtgatct ACCGGAAGTGtacgctACCGGAAGTG
8923	DNA; Synthetic Construct	CACTTCCGGTtgccgctCACTTCCGGTtgctttCACTTCCGGTtgatctCACTTCCG GTtacgctCACTTCCGGTtgccgctCACTTCCGGTtgctttCACTTCCGGTtgatct CACTTCCGGTtacgctCACTTCCGGT
8924	DNA; Synthetic Construct	AACCGGAAATAtgccgctAACCGGAAATAtgctttAACCGGAAATAtgatctAACCG GAAATAtacgctAACCGGAAATAtgccgctAACCGGAAATAtgctttAACCGGAAAT AtgatctAACCGGAAATAtacgctAACCGGAAATA
8925	DNA; Synthetic Construct	TATTTCCGGTTtgccgcttATTTCCGGTTtgctttTATTTCCGGTTtgatcttATTT CCGGTTtacgcttATTTCCGGTTtgccgcttATTTCCGGTTtgctttTATTTCCGGT TtgatctTATTTCCGGTTtacgcttATTTCCGGTT
8926	DNA; Synthetic Construct	AACCGGAAATGtgccgctAACCGGAAATGtgctttAACCGGAAATGtgatctAACCG GAAATGtacgctAACCGGAAATGtgccgctAACCGGAAATGtgctttAACCGGAAAT GtgatctAACCGGAAATGtacgctAACCGGAAATG
8927	DNA; Synthetic Construct	CATTTCCGGTTtgccgctCATTTCCGGTTtgctttCATTTCCGGTTtgatctCATTT CCGGTTtacgctCATTTCCGGTTtgccgctCATTTCCGGTTtgctttCATTTCCGGT TtgatctCATTTCCGGTTtacgctCATTTCCGGTT
8928	DNA; Synthetic Construct	CCACGCCCACtgccgctCCACGCCCACtgctttCCACGCCCACtgatctCCACGCCC ACtacgctCCACGCCCACtgccgctCCACGCCCACtgctttCCACGCCCACtgatct CCACGCCCACtacgctCCACGCCCAC
8929	DNA; Synthetic Construct	GTGGGCGTGGtgccgctGTGGGCGTGGtgctttGTGGGCGTGGtgatctGTGGGCGT GGtacgctGTGGGCGTGGtgccgctGTGGGCGTGGtgctttGTGGGCGTGGtgatct GTGGGCGTGGtacgctGTGGGCGTGG
8930	DNA; Synthetic Construct	CCACGCCCCCtgccgctCCACGCCCCCtgctttCCACGCCCCCtgatctCCACGCCC CCtacgctCCACGCCCCCtgccgctCCACGCCCCCtgctttCCACGCCCCCtgatct CCACGCCCCCtacgctCCACGCCCCC
8931	DNA; Synthetic Construct	GGGGGCGTGGtgccgctGGGGGCGTGGtgctttGGGGGCGTGGtgatctGGGGGCGT GGtacgctGGGGGCGTGGtgccgctGGGGGCGTGGtgctttGGGGGCGTGGtgatct GGGGGCGTGGtacgctGGGGGCGTGG
8932	DNA; Synthetic Construct	ACGAGGAAGTtgccgctACGAGGAAGTtgctttACGAGGAAGTtgatctACGAGGAA GTtacgctACGAGGAAGTtgccgctACGAGGAAGTtgctttACGAGGAAGTtgatct ACGAGGAAGTtacgctACGAGGAAGT
8933	DNA; Synthetic Construct	ACTTCCTCGTtgccgctACTTCCTCGTtgctttACTTCCTCGTtgatctACTTCCTC GTtacgctACTTCCTCGTtgccgctACTTCCTCGTtgctttACTTCCTCGTtgatct ACTTCCTCGTtacgctACTTCCTCGT
8934	DNA; Synthetic Construct	ACGCGGAAGTtgccgctACGCGGAAGTtgctttACGCGGAAGTtgatctACGCGGAA GTtacgctACGCGGAAGTtgccgctACGCGGAAGTtgctttACGCGGAAGTtgatct ACGCGGAAGTtacgctACGCGGAAGT
8935	DNA; Synthetic Construct	ACTTCCGCGTtgccgctACTTCCGCGTtgctttACTTCCGCGTtgatctACTTCCGC GTtacgctACTTCCGCGTtgccgctACTTCCGCGTtgctttACTTCCGCGTtgatct ACTTCCGCGTtacgctACTTCCGCGT

8936	DNA; Synthetic Construct	ACCAGGAAGTtgccgctACCAGGAAGTtgctttACCAGGAAGTtgatctACCAGGAA GTtacgctACCAGGAAGTtgccgctACCAGGAAGTtgctttACCAGGAAGTtgatct ACCAGGAAGTtacgctACCAGGAAGT
8937	DNA; Synthetic Construct	ACTTCCTGGTtgccgctACTTCCTGGTtgctttACTTCCTGGTtgatctACTTCCTG GTtacgctACTTCCTGGTtgccgctACTTCCTGGTtgctttACTTCCTGGTtgatct ACTTCCTGGTtacgctACTTCCTGGT
8938	DNA; Synthetic Construct	ACCCGGAAGTtgccgctACCCGGAAGTtgctttACCCGGAAGTtgatctACCCGGAA GTtacgctACCCGGAAGTtgccgctACCCGGAAGTtgctttACCCGGAAGTtgatct ACCCGGAAGTtacgctACCCGGAAGT
8939	DNA; Synthetic Construct	ACTTCCGGGTtgccgctACTTCCGGGTtgctttACTTCCGGGTtgatctACTTCCGG GTtacgctACTTCCGGGTtgccgctACTTCCGGGTtgctttACTTCCGGGTtgatct ACTTCCGGGTtacgctACTTCCGGGT
8940	DNA; Synthetic Construct	AACCGGAAGTtgccgctAACCGGAAGTtgctttAACCGGAAGTtgatctAACCGGAA GTtacgctAACCGGAAGTtgccgctAACCGGAAGTtgctttAACCGGAAGTtgatct AACCGGAAGTtacgctAACCGGAAGT
8941	DNA; Synthetic Construct	ACTTCCGGTTtgccgctACTTCCGGTTtgctttACTTCCGGTTtgatctACTTCCGG TTtacgctACTTCCGGTTtgccgctACTTCCGGTTtgctttACTTCCGGTTtgatct ACTTCCGGTTtacgctACTTCCGGTT
8942	DNA; Synthetic Construct	ACAAGGAAGTtgccgctACAAGGAAGTtgctttACAAGGAAGTtgatctACAAGGAA GTtacgctACAAGGAAGTtgccgctACAAGGAAGTtgctttACAAGGAAGTtgatct ACAAGGAAGTtacgctACAAGGAAGT
8943	DNA; Synthetic Construct	ACTTCCTTGTtgccgctACTTCCTTGTtgctttACTTCCTTGTtgatctACTTCCTT GTtacgctACTTCCTTGTtgccgctACTTCCTTGTtgctttACTTCCTTGTtgatct ACTTCCTTGTtacgctACTTCCTTGT
8944	DNA; Synthetic Construct	ACCAGGAAGTtgccgctACCAGGAAGTtgctttACCAGGAAGTtgatctACCAGGAA GTtacgctACCAGGAAGTtgccgctACCAGGAAGTtgctttACCAGGAAGTtgatct ACCAGGAAGTtacgctACCAGGAAGT
8945	DNA; Synthetic Construct	ACTTCCTGGTtgccgctACTTCCTGGTtgctttACTTCCTGGTtgatctACTTCCTG GTtacgctACTTCCTGGTtgccgctACTTCCTGGTtgctttACTTCCTGGTtgatct ACTTCCTGGTtacgctACTTCCTGGT
8946	DNA; Synthetic Construct	ACGAGGAAGTtgccgctACGAGGAAGTtgctttACGAGGAAGTtgatctACGAGGAA GTtacgctACGAGGAAGTtgccgctACGAGGAAGTtgctttACGAGGAAGTtgatct ACGAGGAAGTtacgctACGAGGAAGT
8947	DNA; Synthetic Construct	ACTTCCTCGTtgccgctACTTCCTCGTtgctttACTTCCTCGTtgatctACTTCCTC GTtacgctACTTCCTCGTtgccgctACTTCCTCGTtgctttACTTCCTCGTtgatct ACTTCCTCGTtacgctACTTCCTCGT
8948	DNA; Synthetic Construct	GAATGGAAAAAATGAGTCATtgccgctGAATGGAAAAAATGAGTCATtgctttGAAT GGAAAAAATGAGTCATtgatctGAATGGAAAAAATGAGTCATtacgctGAATGGAAA AAATGAGTCAT
8949	DNA; Synthetic Construct	ATGACTCATTTTTTCCATTCtgccgctATGACTCATTTTTTCCATTCtgctttATGA CTCATTTTTTCCATTCtgatctATGACTCATTTTTTCCATTCtacgctATGACTCAT TTTTTCCATTC
8950	DNA; Synthetic Construct	TGACAGtgctttTGACAGtgatctTGACAGtacgctTGACAGtgccgctTGACAGtg ctttTGACAGtgatctTGACAGtacgctTGACAGtgccgctTGACAGtgctttTGAC AGtgatctTGACAGtacgctTGACAG
8951	DNA; Synthetic Construct	CTGTCAtgctttCTGTCAtgatctCTGTCAtacgctCTGTCAtgccgctCTGTCAtg ctttCTGTCAtgatctCTGTCAtacgctCTGTCAtgccgctCTGTCAtgctttCTGT CAtgatctCTGTCAtacgctCTGTCA
8952	DNA; Synthetic Construct	GGGAAAAAGAACAGATGtacgctGGGAAAAAGAACAGATGtgccgctGGGAAAAAGA ACAGATGtgctttGGGAAAAAGAACAGATGtgatctGGGAAAAAGAACAGATGtacg ctGGGAAAAAGAACAGATG
8953	DNA; Synthetic Construct	CATCTGTTCTTTTTCCCtacgctCATCTGTTCTTTTTCCCtgccgctCATCTGTTCT TTTTCCCtgctttCATCTGTTCTTTTTCCCtgatctCATCTGTTCTTTTTCCCtacg ctCATCTGTTCTTTTTCCC

8954	DNA; Synthetic Construct	GGGAAAAAGAACAGCTGtacgctGGGAAAAAGAACAGCTGtgccgctGGGAAAAAGA ACAGCTGtgctttGGGAAAAAGAACAGCTGtgatctGGGAAAAAGAACAGCTGtacg ctGGGAAAAAGAACAGCTG
8955	DNA; Synthetic Construct	CAGCTGTTCTTTTTCCCtacgctCAGCTGTTCTTTTTCCCtgccgctCAGCTGTTCT TTTTCCCtgctttCAGCTGTTCTTTTTCCCtgatctCAGCTGTTCTTTTTCCCtacg ctCAGCTGTTCTTTTTCCC
8956	DNA; Synthetic Construct	GGGAAAAAGACCAGATGtacgctGGGAAAAAGACCAGATGtgccgctGGGAAAAAGA CCAGATGtgctttGGGAAAAAGACCAGATGtgatctGGGAAAAAGACCAGATGtacg ctGGGAAAAAGACCAGATG
8957	DNA; Synthetic Construct	CATCTGGTCTTTTTCCCtacgctCATCTGGTCTTTTTCCCtgccgctCATCTGGTCT TTTTCCCtgctttCATCTGGTCTTTTTCCCtgatctCATCTGGTCTTTTTCCCtacg ctCATCTGGTCTTTTTCCC
8958	DNA; Synthetic Construct	GGGAAAAAGACCAGCTGtacgctGGGAAAAAGACCAGCTGtgccgctGGGAAAAAGA CCAGCTGtgctttGGGAAAAAGACCAGCTGtgatctGGGAAAAAGACCAGCTGtacg ctGGGAAAAAGACCAGCTG
8959	DNA; Synthetic Construct	CAGCTGGTCTTTTTCCCtacgctCAGCTGGTCTTTTTCCCtgccgctCAGCTGGTCT TTTTCCCtgctttCAGCTGGTCTTTTTCCCtgatctCAGCTGGTCTTTTTCCCtacg ctCAGCTGGTCTTTTTCCC
8960	DNA; Synthetic Construct	GGGAAAAAGGACAGATGtacgctGGGAAAAAGGACAGATGtgccgctGGGAAAAAGG ACAGATGtgctttGGGAAAAAGGACAGATGtgatctGGGAAAAAGGACAGATGtacg ctGGGAAAAAGGACAGATG
8961	DNA; Synthetic Construct	CATCTGTCCTTTTTCCCtacgctCATCTGTCCTTTTTCCCtgccgctCATCTGTCCT TTTTCCCtgctttCATCTGTCCTTTTTCCCtgatctCATCTGTCCTTTTTCCCtacg ctCATCTGTCCTTTTTCCC
8962	DNA; Synthetic Construct	GGGAAAAAGGACAGCTGtacgctGGGAAAAAGGACAGCTGtgccgctGGGAAAAAGG ACAGCTGtgctttGGGAAAAAGGACAGCTGtgatctGGGAAAAAGGACAGCTGtacg ctGGGAAAAAGGACAGCTG
8963	DNA; Synthetic Construct	CAGCTGTCCTTTTTCCCtacgctCAGCTGTCCTTTTTCCCtgccgctCAGCTGTCCT TTTTCCCtgctttCAGCTGTCCTTTTTCCCtgatctCAGCTGTCCTTTTTCCCtacg ctCAGCTGTCCTTTTTCCC
8964	DNA; Synthetic Construct	GGGAAAAAGGCCAGATGtacgctGGGAAAAAGGCCAGATGtgccgctGGGAAAAAGG CCAGATGtgctttGGGAAAAAGGCCAGATGtgatctGGGAAAAAGGCCAGATGtacg ctGGGAAAAAGGCCAGATG
8965	DNA; Synthetic Construct	CATCTGGCCTTTTTCCCtacgctCATCTGGCCTTTTTCCCtgccgctCATCTGGCCT TTTTCCCtgctttCATCTGGCCTTTTTCCCtgatctCATCTGGCCTTTTTCCCtacg ctCATCTGGCCTTTTTCCC
8966	DNA; Synthetic Construct	GGGAAAAAGGCCAGCTGtacgctGGGAAAAAGGCCAGCTGtgccgctGGGAAAAAGG CCAGCTGtgctttGGGAAAAAGGCCAGCTGtgatctGGGAAAAAGGCCAGCTGtacg ctGGGAAAAAGGCCAGCTG
8967	DNA; Synthetic Construct	CAGCTGGCCTTTTTCCCtacgctCAGCTGGCCTTTTTCCCtgccgctCAGCTGGCCT TTTTCCCtgctttCAGCTGGCCTTTTTCCCtgatctCAGCTGGCCTTTTTCCCtacg ctCAGCTGGCCTTTTTCCC
8968	DNA; Synthetic Construct	GGGAAAAGGAACAGATGtacgctGGGAAAAGGAACAGATGtgccgctGGGAAAAGGA ACAGATGtgctttGGGAAAAGGAACAGATGtgatctGGGAAAAGGAACAGATGtacg ctGGGAAAAGGAACAGATG
8969	DNA; Synthetic Construct	CATCTGTTCCTTTTCCCtacgctCATCTGTTCCTTTTCCCtgccgctCATCTGTTCC TTTTCCCtgctttCATCTGTTCCTTTTCCCtgatctCATCTGTTCCTTTTCCCtacg ctCATCTGTTCCTTTTCCC
8970	DNA; Synthetic Construct	GGGAAAAGGAACAGCTGtacgctGGGAAAAGGAACAGCTGtgccgctGGGAAAAGGA ACAGCTGtgctttGGGAAAAGGAACAGCTGtgatctGGGAAAAGGAACAGCTGtacg ctGGGAAAAGGAACAGCTG
8971	DNA; Synthetic Construct	CAGCTGTTCCTTTTCCCtacgctCAGCTGTTCCTTTTCCCtgccgctCAGCTGTTCC TTTTCCCtgctttCAGCTGTTCCTTTTCCCtgatctCAGCTGTTCCTTTTCCCtacg ctCAGCTGTTCCTTTTCCC

8972	DNA; Synthetic Construct	GGGAAAAGGACCAGATGtacgctGGGAAAAGGACCAGATGtgccgctGGGAAAAGGA CCAGATGtgctttGGGAAAAGGACCAGATGtgatctGGGAAAAGGACCAGATGtacg ctGGGAAAAGGACCAGATG
8973	DNA; Synthetic Construct	CATCTGGTCCTTTTCCCtacgctCATCTGGTCCTTTTCCCtgccgctCATCTGGTCC TTTTCCCtgctttCATCTGGTCCTTTTCCCtgatctCATCTGGTCCTTTTCCCtacg ctCATCTGGTCCTTTTCCC
8974	DNA; Synthetic Construct	GGGAAAAGGACCAGCTGtacgctGGGAAAAGGACCAGCTGtgccgctGGGAAAAGGA CCAGCTGtgctttGGGAAAAGGACCAGCTGtgatctGGGAAAAGGACCAGCTGtacg ctGGGAAAAGGACCAGCTG
8975	DNA; Synthetic Construct	CAGCTGGTCCTTTTCCCtacgctCAGCTGGTCCTTTTCCCtgccgctCAGCTGGTCC TTTTCCCtgctttCAGCTGGTCCTTTTCCCtgatctCAGCTGGTCCTTTTCCCtacg ctCAGCTGGTCCTTTTCCC
8976	DNA; Synthetic Construct	GGGAAAAGGGACAGATGtacgctGGGAAAAGGGACAGATGtgccgctGGGAAAAGGG ACAGATGtgctttGGGAAAAGGGACAGATGtgatctGGGAAAAGGGACAGATGtacg ctGGGAAAAGGGACAGATG
8977	DNA; Synthetic Construct	CATCTGTCCCTTTTCCCtacgctCATCTGTCCCTTTTCCCtgccgctCATCTGTCCC TTTTCCCtgctttCATCTGTCCCTTTTCCCtgatctCATCTGTCCCTTTTCCCtacg ctCATCTGTCCCTTTTCCC
8978	DNA; Synthetic Construct	GGGAAAAGGGACAGCTGtacgctGGGAAAAGGGACAGCTGtgccgctGGGAAAAGGG ACAGCTGtgctttGGGAAAAGGGACAGCTGtgatctGGGAAAAGGGACAGCTGtacg ctGGGAAAAGGGACAGCTG
8979	DNA; Synthetic Construct	CAGCTGTCCCTTTTCCCtacgctCAGCTGTCCCTTTTCCCtgccgctCAGCTGTCCC TTTTCCCtgctttCAGCTGTCCCTTTTCCCtgatctCAGCTGTCCCTTTTCCCtacg ctCAGCTGTCCCTTTTCCC
8980	DNA; Synthetic Construct	GGGAAAAGGGCCAGATGtacgctGGGAAAAGGGCCAGATGtgccgctGGGAAAAGGG CCAGATGtgctttGGGAAAAGGGCCAGATGtgatctGGGAAAAGGGCCAGATGtacg ctGGGAAAAGGGCCAGATG
8981	DNA; Synthetic Construct	CATCTGGCCCTTTTCCCtacgctCATCTGGCCCTTTTCCCtgccgctCATCTGGCCC TTTTCCCtgctttCATCTGGCCCTTTTCCCtgatctCATCTGGCCCTTTTCCCtacg ctCATCTGGCCCTTTTCCC
8982	DNA; Synthetic Construct	GGGAAAAGGGCCAGCTGtacgctGGGAAAAGGGCCAGCTGtgccgctGGGAAAAGGG CCAGCTGtgctttGGGAAAAGGGCCAGCTGtgatctGGGAAAAGGGCCAGCTGtacg ctGGGAAAAGGGCCAGCTG
8983	DNA; Synthetic Construct	CAGCTGGCCCTTTTCCCtacgctCAGCTGGCCCTTTTCCCtgccgctCAGCTGGCCC TTTTCCCtgctttCAGCTGGCCCTTTTCCCtgatctCAGCTGGCCCTTTTCCCtacg ctCAGCTGGCCCTTTTCCC
8984	DNA; Synthetic Construct	GGGAAAGAGAACAGATGtacgctGGGAAAGAGAACAGATGtgccgctGGGAAAGAGA ACAGATGtgctttGGGAAAGAGAACAGATGtgatctGGGAAAGAGAACAGATGtacg ctGGGAAAGAGAACAGATG
8985	DNA; Synthetic Construct	CATCTGTTCTCTTTCCCtacgctCATCTGTTCTCTTTCCCtgccgctCATCTGTTCT CTTTCCCtgctttCATCTGTTCTCTTTCCCtgatctCATCTGTTCTCTTTCCCtacg ctCATCTGTTCTCTTTCCC
8986	DNA; Synthetic Construct	GGGAAAGAGAACAGCTGtacgctGGGAAAGAGAACAGCTGtgccgctGGGAAAGAGA ACAGCTGtgctttGGGAAAGAGAACAGCTGtgatctGGGAAAGAGAACAGCTGtacg ctGGGAAAGAGAACAGCTG
8987	DNA; Synthetic Construct	CAGCTGTTCTCTTTCCCtacgctCAGCTGTTCTCTTTCCCtgccgctCAGCTGTTCT CTTTCCCtgctttCAGCTGTTCTCTTTCCCtgatctCAGCTGTTCTCTTTCCCtacg ctCAGCTGTTCTCTTTCCC
8988	DNA; Synthetic Construct	GGGAAAGAGACCAGATGtacgctGGGAAAGAGACCAGATGtgccgctGGGAAAGAGA CCAGATGtgctttGGGAAAGAGACCAGATGtgatctGGGAAAGAGACCAGATGtacg ctGGGAAAGAGACCAGATG
8989	DNA; Synthetic Construct	CATCTGGTCTCTTTCCCtacgctCATCTGGTCTCTTTCCCtgccgctCATCTGGTCT CTTTCCCtgctttCATCTGGTCTCTTTCCCtgatctCATCTGGTCTCTTTCCCtacg ctCATCTGGTCTCTTTCCC

8990	DNA; Synthetic Construct	GGGAAAGAGACCAGCTGtacgctGGGAAAGAGACCAGCTGtgccgctGGGAAAGAGA CCAGCTGtgctttGGGAAAGAGACCAGCTGtgatctGGGAAAGAGACCAGCTGtacg ctGGGAAAGAGACCAGCTG
8991	DNA; Synthetic Construct	CAGCTGGTCTCTTTCCCtacgctCAGCTGGTCTCTTTCCCtgccgctCAGCTGGTCT CTTTCCCtgctttCAGCTGGTCTCTTTCCCtgatctCAGCTGGTCTCTTTCCCtacg ctCAGCTGGTCTCTTTCCC
8992	DNA; Synthetic Construct	GGGAAAGAGGACAGATGtacgctGGGAAAGAGGACAGATGtgccgctGGGAAAGAGG ACAGATGtgctttGGGAAAGAGGACAGATGtgatctGGGAAAGAGGACAGATGtacg ctGGGAAAGAGGACAGATG
8993	DNA; Synthetic Construct	CATCTGTCCTCTTTCCCtacgctCATCTGTCCTCTTTCCCtgccgctCATCTGTCCT CTTTCCCtgctttCATCTGTCCTCTTTCCCtgatctCATCTGTCCTCTTTCCCtacg ctCATCTGTCCTCTTTCCC
8994	DNA; Synthetic Construct	GGGAAAGAGGACAGCTGtacgctGGGAAAGAGGACAGCTGtgccgctGGGAAAGAGG ACAGCTGtgctttGGGAAAGAGGACAGCTGtgatctGGGAAAGAGGACAGCTGtacg ctGGGAAAGAGGACAGCTG
8995	DNA; Synthetic Construct	CAGCTGTCCTCTTTCCCtacgctCAGCTGTCCTCTTTCCCtgccgctCAGCTGTCCT CTTTCCCtgctttCAGCTGTCCTCTTTCCCtgatctCAGCTGTCCTCTTTCCCtacg ctCAGCTGTCCTCTTTCCC
8996	DNA; Synthetic Construct	GGGAAAGAGGCCAGATGtacgctGGGAAAGAGGCCAGATGtgccgctGGGAAAGAGG CCAGATGtgctttGGGAAAGAGGCCAGATGtgatctGGGAAAGAGGCCAGATGtacg ctGGGAAAGAGGCCAGATG
8997	DNA; Synthetic Construct	CATCTGGCCTCTTTCCCtacgctCATCTGGCCTCTTTCCCtgccgctCATCTGGCCT CTTTCCCtgctttCATCTGGCCTCTTTCCCtgatctCATCTGGCCTCTTTCCCtacg ctCATCTGGCCTCTTTCCC
8998	DNA; Synthetic Construct	GGGAAAGAGGCCAGCTGtacgctGGGAAAGAGGCCAGCTGtgccgctGGGAAAGAGG CCAGCTGtgctttGGGAAAGAGGCCAGCTGtgatctGGGAAAGAGGCCAGCTGtacg ctGGGAAAGAGGCCAGCTG
8999	DNA; Synthetic Construct	CAGCTGGCCTCTTTCCCtacgctCAGCTGGCCTCTTTCCCtgccgctCAGCTGGCCT CTTTCCCtgctttCAGCTGGCCTCTTTCCCtgatctCAGCTGGCCTCTTTCCCtacg ctCAGCTGGCCTCTTTCCC
9000	DNA; Synthetic Construct	GGGAAAGGGAACAGATGtacgctGGGAAAGGGAACAGATGtgccgctGGGAAAGGGA ACAGATGtgctttGGGAAAGGGAACAGATGtgatctGGGAAAGGGAACAGATGtacg ctGGGAAAGGGAACAGATG
9001	DNA; Synthetic Construct	CATCTGTTCCCTTTCCCtacgctCATCTGTTCCCTTTCCCtgccgctCATCTGTTCC CTTTCCCtgctttCATCTGTTCCCTTTCCCtgatctCATCTGTTCCCTTTCCCtacg ctCATCTGTTCCCTTTCCC
9002	DNA; Synthetic Construct	GGGAAAGGGAACAGCTGtacgctGGGAAAGGGAACAGCTGtgccgctGGGAAAGGGA ACAGCTGtgctttGGGAAAGGGAACAGCTGtgatctGGGAAAGGGAACAGCTGtacg ctGGGAAAGGGAACAGCTG
9003	DNA; Synthetic Construct	CAGCTGTTCCCTTTCCCtacgctCAGCTGTTCCCTTTCCCtgccgctCAGCTGTTCC CTTTCCCtgctttCAGCTGTTCCCTTTCCCtgatctCAGCTGTTCCCTTTCCCtacg ctCAGCTGTTCCCTTTCCC
9004	DNA; Synthetic Construct	GGGAAAGGGACCAGATGtacgctGGGAAAGGGACCAGATGtgccgctGGGAAAGGGA CCAGATGtgctttGGGAAAGGGACCAGATGtgatctGGGAAAGGGACCAGATGtacg ctGGGAAAGGGACCAGATG
9005	DNA; Synthetic Construct	CATCTGGTCCCTTTCCCtacgctCATCTGGTCCCTTTCCCtgccgctCATCTGGTCC CTTTCCCtgctttCATCTGGTCCCTTTCCCtgatctCATCTGGTCCCTTTCCCtacg ctCATCTGGTCCCTTTCCC
9006	DNA; Synthetic Construct	GGGAAAGGGACCAGCTGtacgctGGGAAAGGGACCAGCTGtgccgctGGGAAAGGGA CCAGCTGtgctttGGGAAAGGGACCAGCTGtgatctGGGAAAGGGACCAGCTGtacg ctGGGAAAGGGACCAGCTG
9007	DNA; Synthetic Construct	CAGCTGGTCCCTTTCCCtacgctCAGCTGGTCCCTTTCCCtgccgctCAGCTGGTCC CTTTCCCtgctttCAGCTGGTCCCTTTCCCtgatctCAGCTGGTCCCTTTCCCtacg ctCAGCTGGTCCCTTTCCC

9008	DNA; Synthetic Construct	GGGAAAGGGGACAGATGtacgctGGGAAAGGGGACAGATGtgccgctGGGAAAGGGG ACAGATGtgctttGGGAAAGGGGACAGATGtgatctGGGAAAGGGGACAGATGtacg ctGGGAAAGGGGACAGATG
9009	DNA; Synthetic Construct	CATCTGTCCCCTTTCCCtacgctCATCTGTCCCCTTTCCCtgccgctCATCTGTCCC CTTTCCCtgctttCATCTGTCCCCTTTCCCtgatctCATCTGTCCCCTTTCCCtacg ctCATCTGTCCCCTTTCCC
9010	DNA; Synthetic Construct	GGGAAAGGGGACAGCTGtacgctGGGAAAGGGGACAGCTGtgccgctGGGAAAGGGG ACAGCTGtgctttGGGAAAGGGGACAGCTGtgatctGGGAAAGGGGACAGCTGtacg ctGGGAAAGGGGACAGCTG
9011	DNA; Synthetic Construct	CAGCTGTCCCCTTTCCCtacgctCAGCTGTCCCCTTTCCCtgccgctCAGCTGTCCC CTTTCCCtgctttCAGCTGTCCCCTTTCCCtgatctCAGCTGTCCCCTTTCCCtacg ctCAGCTGTCCCCTTTCCC
9012	DNA; Synthetic Construct	GGGAAAGGGGCCAGATGtacgctGGGAAAGGGGCCAGATGtgccgctGGGAAAGGGG CCAGATGtgctttGGGAAAGGGGCCAGATGtgatctGGGAAAGGGGCCAGATGtacg ctGGGAAAGGGGCCAGATG
9013	DNA; Synthetic Construct	CATCTGGCCCCTTTCCCtacgctCATCTGGCCCCTTTCCCtgccgctCATCTGGCCC CTTTCCCtgctttCATCTGGCCCCTTTCCCtgatctCATCTGGCCCCTTTCCCtacg ctCATCTGGCCCCTTTCCC
9014	DNA; Synthetic Construct	GGGAAAGGGGCCAGCTGtacgctGGGAAAGGGGCCAGCTGtgccgctGGGAAAGGGG CCAGCTGtgctttGGGAAAGGGGCCAGCTGtgatctGGGAAAGGGGCCAGCTGtacg ctGGGAAAGGGGCCAGCTG
9015	DNA; Synthetic Construct	CAGCTGGCCCCTTTCCCtacgctCAGCTGGCCCCTTTCCCtgccgctCAGCTGGCCC CTTTCCCtgctttCAGCTGGCCCCTTTCCCtgatctCAGCTGGCCCCTTTCCCtacg ctCAGCTGGCCCCTTTCCC
9016	DNA; Synthetic Construct	GGGGAAAAGAACAGATGtacgctGGGGAAAAGAACAGATGtgccgctGGGGAAAAGA ACAGATGtgctttGGGGAAAAGAACAGATGtgatctGGGGAAAAGAACAGATGtacg ctGGGGAAAAGAACAGATG
9017	DNA; Synthetic Construct	CATCTGTTCTTTTCCCCtacgctCATCTGTTCTTTTCCCCtgccgctCATCTGTTCT TTTCCCCtgctttCATCTGTTCTTTTCCCCtgatctCATCTGTTCTTTTCCCCtacg ctCATCTGTTCTTTTCCCC
9018	DNA; Synthetic Construct	GGGGAAAAGAACAGCTGtacgctGGGGAAAAGAACAGCTGtgccgctGGGGAAAAGA ACAGCTGtgctttGGGGAAAAGAACAGCTGtgatctGGGGAAAAGAACAGCTGtacg ctGGGGAAAAGAACAGCTG
9019	DNA; Synthetic Construct	CAGCTGTTCTTTTCCCCtacgctCAGCTGTTCTTTTCCCCtgccgctCAGCTGTTCT TTTCCCCtgctttCAGCTGTTCTTTTCCCCtgatctCAGCTGTTCTTTTCCCCtacg ctCAGCTGTTCTTTTCCCC
9020	DNA; Synthetic Construct	GGGGAAAAGACCAGATGtacgctGGGGAAAAGACCAGATGtgccgctGGGGAAAAGA CCAGATGtgctttGGGGAAAAGACCAGATGtgatctGGGGAAAAGACCAGATGtacg ctGGGGAAAAGACCAGATG
9021	DNA; Synthetic Construct	CATCTGGTCTTTTCCCCtacgctCATCTGGTCTTTTCCCCtgccgctCATCTGGTCT TTTCCCCtgctttCATCTGGTCTTTTCCCCtgatctCATCTGGTCTTTTCCCCtacg ctCATCTGGTCTTTTCCCC
9022	DNA; Synthetic Construct	GGGGAAAAGACCAGCTGtacgctGGGGAAAAGACCAGCTGtgccgctGGGGAAAAGA CCAGCTGtgctttGGGGAAAAGACCAGCTGtgatctGGGGAAAAGACCAGCTGtacg ctGGGGAAAAGACCAGCTG
9023	DNA; Synthetic Construct	CAGCTGGTCTTTTCCCCtacgctCAGCTGGTCTTTTCCCCtgccgctCAGCTGGTCT TTTCCCCtgctttCAGCTGGTCTTTTCCCCtgatctCAGCTGGTCTTTTCCCCtacg ctCAGCTGGTCTTTTCCCC
9024	DNA; Synthetic Construct	GGGGAAAAGGACAGATGtacgctGGGGAAAAGGACAGATGtgccgctGGGGAAAAGG ACAGATGtgctttGGGGAAAAGGACAGATGtgatctGGGGAAAAGGACAGATGtacg ctGGGGAAAAGGACAGATG
9025	DNA; Synthetic Construct	CATCTGTCCTTTTCCCCtacgctCATCTGTCCTTTTCCCCtgccgctCATCTGTCCT TTTCCCCtgctttCATCTGTCCTTTTCCCCtgatctCATCTGTCCTTTTCCCCtacg ctCATCTGTCCTTTTCCCC

9026	DNA; Synthetic Construct	GGGGAAAAGGACAGCTGtacgctGGGGAAAAGGACAGCTGtgccgctGGGGAAAAGG ACAGCTGtgctttGGGGAAAAGGACAGCTGtgatctGGGGAAAAGGACAGCTGtacg ctGGGGAAAAGGACAGCTG
9027	DNA; Synthetic Construct	CAGCTGTCCTTTTCCCCtacgctCAGCTGTCCTTTTCCCCtgccgctCAGCTGTCCT TTTCCCCtgctttCAGCTGTCCTTTTCCCCtgatctCAGCTGTCCTTTTCCCCtacg ctCAGCTGTCCTTTTCCCC
9028	DNA; Synthetic Construct	GGGGAAAAGGCCAGATGtacgctGGGGAAAAGGCCAGATGtgccgctGGGGAAAAGG CCAGATGtgctttGGGGAAAAGGCCAGATGtgatctGGGGAAAAGGCCAGATGtacg ctGGGGAAAAGGCCAGATG
9029	DNA; Synthetic Construct	CATCTGGCCTTTTCCCCtacgctCATCTGGCCTTTTCCCCtgccgctCATCTGGCCT TTTCCCCtgctttCATCTGGCCTTTTCCCCtgatctCATCTGGCCTTTTCCCCtacg ctCATCTGGCCTTTTCCCC
9030	DNA; Synthetic Construct	GGGGAAAAGGCCAGCTGtacgctGGGGAAAAGGCCAGCTGtgccgctGGGGAAAAGG CCAGCTGtgctttGGGGAAAAGGCCAGCTGtgatctGGGGAAAAGGCCAGCTGtacg ctGGGGAAAAGGCCAGCTG
9031	DNA; Synthetic Construct	CAGCTGGCCTTTTCCCCtacgctCAGCTGGCCTTTTCCCCtgccgctCAGCTGGCCT TTTCCCCtgctttCAGCTGGCCTTTTCCCCtgatctCAGCTGGCCTTTTCCCCtacg ctCAGCTGGCCTTTTCCCC
9032	DNA; Synthetic Construct	GGGGAAAGGAACAGATGtacgctGGGGAAAGGAACAGATGtgccgctGGGGAAAGGA ACAGATGtgctttGGGGAAAGGAACAGATGtgatctGGGGAAAGGAACAGATGtacg ctGGGGAAAGGAACAGATG
9033	DNA; Synthetic Construct	CATCTGTTCCTTTCCCCtacgctCATCTGTTCCTTTCCCCtgccgctCATCTGTTCC TTTCCCCtgctttCATCTGTTCCTTTCCCCtgatctCATCTGTTCCTTTCCCCtacg ctCATCTGTTCCTTTCCCC
9034	DNA; Synthetic Construct	GGGGAAAGGAACAGCTGtacgctGGGGAAAGGAACAGCTGtgccgctGGGGAAAGGA ACAGCTGtgctttGGGGAAAGGAACAGCTGtgatctGGGGAAAGGAACAGCTGtacg ctGGGGAAAGGAACAGCTG
9035	DNA; Synthetic Construct	CAGCTGTTCCTTTCCCCtacgctCAGCTGTTCCTTTCCCCtgccgctCAGCTGTTCC TTTCCCCtgctttCAGCTGTTCCTTTCCCCtgatctCAGCTGTTCCTTTCCCCtacg ctCAGCTGTTCCTTTCCCC
9036	DNA; Synthetic Construct	GGGGAAAGGACCAGATGtacgctGGGGAAAGGACCAGATGtgccgctGGGGAAAGGA CCAGATGtgctttGGGGAAAGGACCAGATGtgatctGGGGAAAGGACCAGATGtacg ctGGGGAAAGGACCAGATG
9037	DNA; Synthetic Construct	CATCTGGTCCTTTCCCCtacgctCATCTGGTCCTTTCCCCtgccgctCATCTGGTCC TTTCCCCtgctttCATCTGGTCCTTTCCCCtgatctCATCTGGTCCTTTCCCCtacg ctCATCTGGTCCTTTCCCC
9038	DNA; Synthetic Construct	GGGGAAAGGACCAGCTGtacgctGGGGAAAGGACCAGCTGtgccgctGGGGAAAGGA CCAGCTGtgctttGGGGAAAGGACCAGCTGtgatctGGGGAAAGGACCAGCTGtacg ctGGGGAAAGGACCAGCTG
9039	DNA; Synthetic Construct	CAGCTGGTCCTTTCCCCtacgctCAGCTGGTCCTTTCCCCtgccgctCAGCTGGTCC TTTCCCCtgctttCAGCTGGTCCTTTCCCCtgatctCAGCTGGTCCTTTCCCCtacg ctCAGCTGGTCCTTTCCCC
9040	DNA; Synthetic Construct	GGGGAAAGGGACAGATGtacgctGGGGAAAGGGACAGATGtgccgctGGGGAAAGGG ACAGATGtgctttGGGGAAAGGGACAGATGtgatctGGGGAAAGGGACAGATGtacg ctGGGGAAAGGGACAGATG
9041	DNA; Synthetic Construct	CATCTGTCCCTTTCCCCtacgctCATCTGTCCCTTTCCCCtgccgctCATCTGTCCC TTTCCCCtgctttCATCTGTCCCTTTCCCCtgatctCATCTGTCCCTTTCCCCtacg ctCATCTGTCCCTTTCCCC
9042	DNA; Synthetic Construct	GGGGAAAGGGACAGCTGtacgctGGGGAAAGGGACAGCTGtgccgctGGGGAAAGGG ACAGCTGtgctttGGGGAAAGGGACAGCTGtgatctGGGGAAAGGGACAGCTGtacg ctGGGGAAAGGGACAGCTG
9043	DNA; Synthetic Construct	CAGCTGTCCCTTTCCCCtacgctCAGCTGTCCCTTTCCCCtgccgctCAGCTGTCCC TTTCCCCtgctttCAGCTGTCCCTTTCCCCtgatctCAGCTGTCCCTTTCCCCtacg ctCAGCTGTCCCTTTCCCC

9044	DNA; Synthetic Construct	GGGGAAAGGGCCAGATGtacgctGGGGAAAGGGCCAGATGtgccgctGGGGAAAGGG CCAGATGtgctttGGGGAAAGGGCCAGATGtgatctGGGGAAAGGGCCAGATGtacg ctGGGGAAAGGGCCAGATG
9045	DNA; Synthetic Construct	CATCTGGCCCTTTCCCCtacgctCATCTGGCCCTTTCCCCtgccgctCATCTGGCCC TTTCCCCtgctttCATCTGGCCCTTTCCCCtgatctCATCTGGCCCTTTCCCCtacg ctCATCTGGCCCTTTCCCC
9046	DNA; Synthetic Construct	GGGGAAAGGGCCAGCTGtacgctGGGGAAAGGGCCAGCTGtgccgctGGGGAAAGGG CCAGCTGtgctttGGGGAAAGGGCCAGCTGtgatctGGGGAAAGGGCCAGCTGtacg ctGGGGAAAGGGCCAGCTG
9047	DNA; Synthetic Construct	CAGCTGGCCCTTTCCCCtacgctCAGCTGGCCCTTTCCCCtgccgctCAGCTGGCCC TTTCCCCtgctttCAGCTGGCCCTTTCCCCtgatctCAGCTGGCCCTTTCCCCtacg ctCAGCTGGCCCTTTCCCC
9048	DNA; Synthetic Construct	GGGGAAGAGAACAGATGtacgctGGGGAAGAGAACAGATGtgccgctGGGGAAGAGA ACAGATGtgctttGGGGAAGAGAACAGATGtgatctGGGGAAGAGAACAGATGtacg ctGGGGAAGAGAACAGATG
9049	DNA; Synthetic Construct	CATCTGTTCTCTTCCCCtacgctCATCTGTTCTCTTCCCCtgccgctCATCTGTTCT CTTCCCCtgctttCATCTGTTCTCTTCCCCtgatctCATCTGTTCTCTTCCCCtacg ctCATCTGTTCTCTTCCCC
9050	DNA; Synthetic Construct	GGGGAAGAGAACAGCTGtacgctGGGGAAGAGAACAGCTGtgccgctGGGGAAGAGA ACAGCTGtgctttGGGGAAGAGAACAGCTGtgatctGGGGAAGAGAACAGCTGtacg ctGGGGAAGAGAACAGCTG
9051	DNA; Synthetic Construct	CAGCTGTTCTCTTCCCCtacgctCAGCTGTTCTCTTCCCCtgccgctCAGCTGTTCT CTTCCCCtgctttCAGCTGTTCTCTTCCCCtgatctCAGCTGTTCTCTTCCCCtacg ctCAGCTGTTCTCTTCCCC
9052	DNA; Synthetic Construct	GGGGAAGAGACCAGATGtacgctGGGGAAGAGACCAGATGtgccgctGGGGAAGAGA CCAGATGtgctttGGGGAAGAGACCAGATGtgatctGGGGAAGAGACCAGATGtacg ctGGGGAAGAGACCAGATG
9053	DNA; Synthetic Construct	CATCTGGTCTCTTCCCCtacgctCATCTGGTCTCTTCCCCtgccgctCATCTGGTCT CTTCCCCtgctttCATCTGGTCTCTTCCCCtgatctCATCTGGTCTCTTCCCCtacg ctCATCTGGTCTCTTCCCC
9054	DNA; Synthetic Construct	GGGGAAGAGACCAGCTGtacgctGGGGAAGAGACCAGCTGtgccgctGGGGAAGAGA CCAGCTGtgctttGGGGAAGAGACCAGCTGtgatctGGGGAAGAGACCAGCTGtacg ctGGGGAAGAGACCAGCTG
9055	DNA; Synthetic Construct	CAGCTGGTCTCTTCCCCtacgctCAGCTGGTCTCTTCCCCtgccgctCAGCTGGTCT CTTCCCCtgctttCAGCTGGTCTCTTCCCCtgatctCAGCTGGTCTCTTCCCCtacg ctCAGCTGGTCTCTTCCCC
9056	DNA; Synthetic Construct	GGGGAAGAGGACAGATGtacgctGGGGAAGAGGACAGATGtgccgctGGGGAAGAGG ACAGATGtgctttGGGGAAGAGGACAGATGtgatctGGGGAAGAGGACAGATGtacg ctGGGGAAGAGGACAGATG
9057	DNA; Synthetic Construct	CATCTGTCCTCTTCCCCtacgctCATCTGTCCTCTTCCCCtgccgctCATCTGTCCT CTTCCCCtgctttCATCTGTCCTCTTCCCCtgatctCATCTGTCCTCTTCCCCtacg ctCATCTGTCCTCTTCCCC
9058	DNA; Synthetic Construct	GGGGAAGAGGACAGCTGtacgctGGGGAAGAGGACAGCTGtgccgctGGGGAAGAGG ACAGCTGtgctttGGGGAAGAGGACAGCTGtgatctGGGGAAGAGGACAGCTGtacg ctGGGGAAGAGGACAGCTG
9059	DNA; Synthetic Construct	CAGCTGTCCTCTTCCCCtacgctCAGCTGTCCTCTTCCCCtgccgctCAGCTGTCCT CTTCCCCtgctttCAGCTGTCCTCTTCCCCtgatctCAGCTGTCCTCTTCCCCtacg ctCAGCTGTCCTCTTCCCC
9060	DNA; Synthetic Construct	GGGGAAGAGGCCAGATGtacgctGGGGAAGAGGCCAGATGtgccgctGGGGAAGAGG CCAGATGtgctttGGGGAAGAGGCCAGATGtgatctGGGGAAGAGGCCAGATGtacg ctGGGGAAGAGGCCAGATG
9061	DNA; Synthetic Construct	CATCTGGCCTCTTCCCCtacgctCATCTGGCCTCTTCCCCtgccgctCATCTGGCCT CTTCCCCtgctttCATCTGGCCTCTTCCCCtgatctCATCTGGCCTCTTCCCCtacg ctCATCTGGCCTCTTCCCC

9062	DNA; Synthetic Construct	GGGGAAGAGGCCAGCTGtacgctGGGGAAGAGGCCAGCTGtgccgctGGGGAAGAGG CCAGCTGtgctttGGGGAAGAGGCCAGCTGtgatctGGGGAAGAGGCCAGCTGtacg ctGGGGAAGAGGCCAGCTG
9063	DNA; Synthetic Construct	CAGCTGGCCTCTTCCCCtacgctCAGCTGGCCTCTTCCCCtgccgctCAGCTGGCCT CTTCCCCtgctttCAGCTGGCCTCTTCCCCtgatctCAGCTGGCCTCTTCCCCtacg ctCAGCTGGCCTCTTCCCC
9064	DNA; Synthetic Construct	GGGGAAGGGAACAGATGtacgctGGGGAAGGGAACAGATGtgccgctGGGGAAGGGA ACAGATGtgctttGGGGAAGGGAACAGATGtgatctGGGGAAGGGAACAGATGtacg ctGGGGAAGGGAACAGATG
9065	DNA; Synthetic Construct	CATCTGTTCCCTTCCCCtacgctCATCTGTTCCCTTCCCCtgccgctCATCTGTTCC CTTCCCCtgctttCATCTGTTCCCTTCCCCtgatctCATCTGTTCCCTTCCCCtacg ctCATCTGTTCCCTTCCCC
9066	DNA; Synthetic Construct	GGGGAAGGGAACAGCTGtacgctGGGGAAGGGAACAGCTGtgccgctGGGGAAGGGA ACAGCTGtgctttGGGGAAGGGAACAGCTGtgatctGGGGAAGGGAACAGCTGtacg ctGGGGAAGGGAACAGCTG
9067	DNA; Synthetic Construct	CAGCTGTTCCCTTCCCCtacgctCAGCTGTTCCCTTCCCCtgccgctCAGCTGTTCC CTTCCCCtgctttCAGCTGTTCCCTTCCCCtgatctCAGCTGTTCCCTTCCCCtacg ctCAGCTGTTCCCTTCCCC
9068	DNA; Synthetic Construct	GGGGAAGGGACCAGATGtacgctGGGGAAGGGACCAGATGtgccgctGGGGAAGGGA CCAGATGtgctttGGGGAAGGGACCAGATGtgatctGGGGAAGGGACCAGATGtacg ctGGGGAAGGGACCAGATG
9069	DNA; Synthetic Construct	CATCTGGTCCCTTCCCCtacgctCATCTGGTCCCTTCCCCtgccgctCATCTGGTCC CTTCCCCtgctttCATCTGGTCCCTTCCCCtgatctCATCTGGTCCCTTCCCCtacg ctCATCTGGTCCCTTCCCC
9070	DNA; Synthetic Construct	GGGGAAGGGACCAGCTGtacgctGGGGAAGGGACCAGCTGtgccgctGGGGAAGGGA CCAGCTGtgctttGGGGAAGGGACCAGCTGtgatctGGGGAAGGGACCAGCTGtacg ctGGGGAAGGGACCAGCTG
9071	DNA; Synthetic Construct	CAGCTGGTCCCTTCCCCtacgctCAGCTGGTCCCTTCCCCtgccgctCAGCTGGTCC CTTCCCCtgctttCAGCTGGTCCCTTCCCCtgatctCAGCTGGTCCCTTCCCCtacg ctCAGCTGGTCCCTTCCCC
9072	DNA; Synthetic Construct	GGGGAAGGGGACAGATGtacgctGGGGAAGGGGACAGATGtgccgctGGGGAAGGGG ACAGATGtgctttGGGGAAGGGGACAGATGtgatctGGGGAAGGGGACAGATGtacg ctGGGGAAGGGGACAGATG
9073	DNA; Synthetic Construct	CATCTGTCCCCTTCCCCtacgctCATCTGTCCCCTTCCCCtgccgctCATCTGTCCC CTTCCCCtgctttCATCTGTCCCCTTCCCCtgatctCATCTGTCCCCTTCCCCtacg ctCATCTGTCCCCTTCCCC
9074	DNA; Synthetic Construct	GGGGAAGGGGACAGCTGtacgctGGGGAAGGGGACAGCTGtgccgctGGGGAAGGGG ACAGCTGtgctttGGGGAAGGGGACAGCTGtgatctGGGGAAGGGGACAGCTGtacg ctGGGGAAGGGGACAGCTG
9075	DNA; Synthetic Construct	CAGCTGTCCCCTTCCCCtacgctCAGCTGTCCCCTTCCCCtgccgctCAGCTGTCCC CTTCCCCtgctttCAGCTGTCCCCTTCCCCtgatctCAGCTGTCCCCTTCCCCtacg ctCAGCTGTCCCCTTCCCC
9076	DNA; Synthetic Construct	GGGGAAGGGGCCAGATGtacgctGGGGAAGGGGCCAGATGtgccgctGGGGAAGGGG CCAGATGtgctttGGGGAAGGGGCCAGATGtgatctGGGGAAGGGGCCAGATGtacg ctGGGGAAGGGGCCAGATG
9077	DNA; Synthetic Construct	CATCTGGCCCCTTCCCCtacgctCATCTGGCCCCTTCCCCtgccgctCATCTGGCCC CTTCCCCtgctttCATCTGGCCCCTTCCCCtgatctCATCTGGCCCCTTCCCCtacg ctCATCTGGCCCCTTCCCC
9078	DNA; Synthetic Construct	GGGGAAGGGGCCAGCTGtacgctGGGGAAGGGGCCAGCTGtgccgctGGGGAAGGGG CCAGCTGtgctttGGGGAAGGGGCCAGCTGtgatctGGGGAAGGGGCCAGCTGtacg ctGGGGAAGGGGCCAGCTG
9079	DNA; Synthetic Construct	CAGCTGGCCCCTTCCCCtacgctCAGCTGGCCCCTTCCCCtgccgctCAGCTGGCCC CTTCCCCtgctttCAGCTGGCCCCTTCCCCtgatctCAGCTGGCCCCTTCCCCtacg ctCAGCTGGCCCCTTCCCC

9080	DNA; Synthetic Construct	ACCACGCCCACCtgctttACCACGCCCACCtgatctACCACGCCCACCtacgctACC ACGCCCACCtgccgctACCACGCCCACCtgctttACCACGCCCACCtgatctACCAC GCCCACCtacgctACCACGCCCACC
9081	DNA; Synthetic Construct	GGTGGGCGTGGTtgctttGGTGGGCGTGGTtgatctGGTGGGCGTGGTtacgctGGT GGGCGTGGTtgccgctGGTGGGCGTGGTtgctttGGTGGGCGTGGTtgatctGGTGG GCGTGGTtacgctGGTGGGCGTGGT
9082	DNA; Synthetic Construct	ACCACGCCCACTtgctttACCACGCCCACTtgatctACCACGCCCACTtacgctACC ACGCCCACTtgccgctACCACGCCCACTtgctttACCACGCCCACTtgatctACCAC GCCCACTtacgctACCACGCCCACT
9083	DNA; Synthetic Construct	AGTGGGCGTGGTtgctttAGTGGGCGTGGTtgatctAGTGGGCGTGGTtacgctAGT GGGCGTGGTtgccgctAGTGGGCGTGGTtgctttAGTGGGCGTGGTtgatctAGTGG GCGTGGTtacgctAGTGGGCGTGGT
9084	DNA; Synthetic Construct	ACCACGCCCCCCtgctttACCACGCCCCCCtgatctACCACGCCCCCCtacgctACC ACGCCCCCCtgccgctACCACGCCCCCCtgctttACCACGCCCCCCtgatctACCAC GCCCCCCtacgctACCACGCCCCCC
9085	DNA; Synthetic Construct	GGGGGGCGTGGTtgctttGGGGGGCGTGGTtgatctGGGGGGCGTGGTtacgctGGG GGGCGTGGTtgccgctGGGGGGCGTGGTtgctttGGGGGGCGTGGTtgatctGGGGG GCGTGGTtacgctGGGGGGCGTGGT
9086	DNA; Synthetic Construct	ACCACGCCCCCTtgctttACCACGCCCCCTtgatctACCACGCCCCCTtacgctACC ACGCCCCCTtgccgctACCACGCCCCCTtgctttACCACGCCCCCTtgatctACCAC GCCCCCTtacgctACCACGCCCCCT
9087	DNA; Synthetic Construct	AGGGGGCGTGGTtgctttAGGGGGCGTGGTtgatctAGGGGGCGTGGTtacgctAGG GGGCGTGGTtgccgctAGGGGGCGTGGTtgctttAGGGGGCGTGGTtgatctAGGGG GCGTGGTtacgctAGGGGGCGTGGT
9088	DNA; Synthetic Construct	GCCACGCCCACCtgctttGCCACGCCCACCtgatctGCCACGCCCACCtacgctGCC ACGCCCACCtgccgctGCCACGCCCACCtgctttGCCACGCCCACCtgatctGCCAC GCCCACCtacgctGCCACGCCCACC
9089	DNA; Synthetic Construct	GGTGGGCGTGGCtgctttGGTGGGCGTGGCtgatctGGTGGGCGTGGCtacgctGGT GGGCGTGGCtgccgctGGTGGGCGTGGCtgctttGGTGGGCGTGGCtgatctGGTGG GCGTGGCtacgctGGTGGGCGTGGC
9090	DNA; Synthetic Construct	GCCACGCCCACTtgctttGCCACGCCCACTtgatctGCCACGCCCACTtacgctGCC ACGCCCACTtgccgctGCCACGCCCACTtgctttGCCACGCCCACTtgatctGCCAC GCCCACTtacgctGCCACGCCCACT
9091	DNA; Synthetic Construct	AGTGGGCGTGGCtgctttAGTGGGCGTGGCtgatctAGTGGGCGTGGCtacgctAGT GGGCGTGGCtgccgctAGTGGGCGTGGCtgctttAGTGGGCGTGGCtgatctAGTGG GCGTGGCtacgctAGTGGGCGTGGC
9092	DNA; Synthetic Construct	GCCACGCCCCCCtgctttGCCACGCCCCCCtgatctGCCACGCCCCCCtacgctGCC ACGCCCCCCtgccgctGCCACGCCCCCCtgctttGCCACGCCCCCCtgatctGCCAC GCCCCCCtacgctGCCACGCCCCCC
9093	DNA; Synthetic Construct	GGGGGGCGTGGCtgctttGGGGGGCGTGGCtgatctGGGGGGCGTGGCtacgctGGG GGGCGTGGCtgccgctGGGGGGCGTGGCtgctttGGGGGGCGTGGCtgatctGGGGG GCGTGGCtacgctGGGGGGCGTGGC
9094	DNA; Synthetic Construct	GCCACGCCCCCTtgctttGCCACGCCCCCTtgatctGCCACGCCCCCTtacgctGCC ACGCCCCCTtgccgctGCCACGCCCCCTtgctttGCCACGCCCCCTtgatctGCCAC GCCCCCTtacgctGCCACGCCCCCT
9095	DNA; Synthetic Construct	AGGGGGCGTGGCtgctttAGGGGGCGTGGCtgatctAGGGGGCGTGGCtacgctAGG GGGCGTGGCtgccgctAGGGGGCGTGGCtgctttAGGGGGCGTGGCtgatctAGGGG GCGTGGCtacgctAGGGGGCGTGGC
9096	DNA; Synthetic Construct	GCCATCTGTTtgccgctGCCATCTGTTtgctttGCCATCTGTTtgatctGCCATCTG TTtacgctGCCATCTGTTtgccgctGCCATCTGTTtgctttGCCATCTGTTtgatct GCCATCTGTTtacgctGCCATCTGTT
9097	DNA; Synthetic Construct	AACAGATGGCtgccgctAACAGATGGCtgctttAACAGATGGCtgatctAACAGATG GCtacgctAACAGATGGCtgccgctAACAGATGGCtgctttAACAGATGGCtgatct AACAGATGGCtacgctAACAGATGGC

9098	DNA; Synthetic Construct	GCTCCGAGGCTTCCAGCCtacgctGCTCCGAGGCTTCCAGCCtgccgctGCTCCGAG GCTTCCAGCCtgctttGCTCCGAGGCTTCCAGCCtgatctGCTCCGAGGCTTCCAGC CtacgctGCTCCGAGGCTTCCAGCC
9099	DNA; Synthetic Construct	GGCTGGAAGCCTCGGAGCtacgctGGCTGGAAGCCTCGGAGCtgccgctGGCTGGAA GCCTCGGAGCtgctttGGCTGGAAGCCTCGGAGCtgatctGGCTGGAAGCCTCGGAG CtacgctGGCTGGAAGCCTCGGAGC
9100	DNA; Synthetic Construct	GCTCCGAGGCTTCTAGCCtacgctGCTCCGAGGCTTCTAGCCtgccgctGCTCCGAG GCTTCTAGCCtgctttGCTCCGAGGCTTCTAGCCtgatctGCTCCGAGGCTTCTAGC CtacgctGCTCCGAGGCTTCTAGCC
9101	DNA; Synthetic Construct	GGCTAGAAGCCTCGGAGCtacgctGGCTAGAAGCCTCGGAGCtgccgctGGCTAGAA GCCTCGGAGCtgctttGGCTAGAAGCCTCGGAGCtgatctGGCTAGAAGCCTCGGAG CtacgctGGCTAGAAGCCTCGGAGC
9102	DNA; Synthetic Construct	GCTCCCAGGCTTCCAGCCtacgctGCTCCCAGGCTTCCAGCCtgccgctGCTCCCAG GCTTCCAGCCtgctttGCTCCCAGGCTTCCAGCCtgatctGCTCCCAGGCTTCCAGC CtacgctGCTCCCAGGCTTCCAGCC
9103	DNA; Synthetic Construct	GGCTGGAAGCCTGGGAGCtacgctGGCTGGAAGCCTGGGAGCtgccgctGGCTGGAA GCCTGGGAGCtgctttGGCTGGAAGCCTGGGAGCtgatctGGCTGGAAGCCTGGGAG CtacgctGGCTGGAAGCCTGGGAGC
9104	DNA; Synthetic Construct	GCTCCCAGGCTTCTAGCCtacgctGCTCCCAGGCTTCTAGCCtgccgctGCTCCCAG GCTTCTAGCCtgctttGCTCCCAGGCTTCTAGCCtgatctGCTCCCAGGCTTCTAGC CtacgctGCTCCCAGGCTTCTAGCC
9105	DNA; Synthetic Construct	GGCTAGAAGCCTGGGAGCtacgctGGCTAGAAGCCTGGGAGCtgccgctGGCTAGAA GCCTGGGAGCtgctttGGCTAGAAGCCTGGGAGCtgatctGGCTAGAAGCCTGGGAG CtacgctGGCTAGAAGCCTGGGAGC
9106	DNA; Synthetic Construct	AAAGAGGTCAtgccgctAAAGAGGTCAtgctttAAAGAGGTCAtgatctAAAGAGGT CAtacgctAAAGAGGTCAtgccgctAAAGAGGTCAtgctttAAAGAGGTCAtgatct AAAGAGGTCAtacgctAAAGAGGTCA
9107	DNA; Synthetic Construct	TGACCTCTTTtgccgctTGACCTCTTTtgctttTGACCTCTTTtgatctTGACCTCT TTtacgctTGACCTCTTTtgccgctTGACCTCTTTtgctttTGACCTCTTTtgatct TGACCTCTTTtacgctTGACCTCTTT
9108	DNA; Synthetic Construct	ATAGAGGTCAtgccgctATAGAGGTCAtgctttATAGAGGTCAtgatctATAGAGGT CAtacgctATAGAGGTCAtgccgctATAGAGGTCAtgctttATAGAGGTCAtgatct ATAGAGGTCAtacgctATAGAGGTCA
9109	DNA; Synthetic Construct	TGACCTCTATtgccgctTGACCTCTATtgctttTGACCTCTATtgatctTGACCTCT ATtacgctTGACCTCTATtgccgctTGACCTCTATtgctttTGACCTCTATtgatct TGACCTCTATtacgctTGACCTCTAT
9110	DNA; Synthetic Construct	AGGTGACAGACAtgctttAGGTGACAGACAtgatctAGGTGACAGACAtacgctAGG TGACAGACAtgccgctAGGTGACAGACAtgctttAGGTGACAGACAtgatctAGGTG ACAGACAtacgctAGGTGACAGACA
9111	DNA; Synthetic Construct	TGTCTGTCACCTtgctttTGTCTGTCACCTtgatctTGTCTGTCACCTtacgctTGT CTGTCACCTtgccgctTGTCTGTCACCTtgctttTGTCTGTCACCTtgatctTGTCT GTCACCTtacgctTGTCTGTCACCT
9112	DNA; Synthetic Construct	AGGTGCCAGACAtgctttAGGTGCCAGACAtgatctAGGTGCCAGACAtacgctAGG TGCCAGACAtgccgctAGGTGCCAGACAtgctttAGGTGCCAGACAtgatctAGGTG CCAGACAtacgctAGGTGCCAGACA
9113	DNA; Synthetic Construct	TGTCTGGCACCTtgctttTGTCTGGCACCTtgatctTGTCTGGCACCTtacgctTGT CTGGCACCTtgccgctTGTCTGGCACCTtgctttTGTCTGGCACCTtgatctTGTCT GGCACCTtacgctTGTCTGGCACCT
9114	DNA; Synthetic Construct	AGGTGTCAGACAtgctttAGGTGTCAGACAtgatctAGGTGTCAGACAtacgctAGG TGTCAGACAtgccgctAGGTGTCAGACAtgctttAGGTGTCAGACAtgatctAGGTG TCAGACAtacgctAGGTGTCAGACA
9115	DNA; Synthetic Construct	TGTCTGACACCTtgctttTGTCTGACACCTtgatctTGTCTGACACCTtacgctTGT CTGACACCTtgccgctTGTCTGACACCTtgctttTGTCTGACACCTtgatctTGTCT GACACCTtacgctTGTCTGACACCT

9116	DNA; Synthetic Construct	GTGACCTTGAAtgccgctGTGACCTTGAAtgctttGTGACCTTGAAtgatctGTGAC CTTGAAtacgctGTGACCTTGAAtgccgctGTGACCTTGAAtgctttGTGACCTTGA AtgatctGTGACCTTGAAtacgctGTGACCTTGAA
9117	DNA; Synthetic Construct	TTCAAGGTCACtgccgctTTCAAGGTCACtgctttTTCAAGGTCACtgatctTTCAA GGTCACtacgctTTCAAGGTCACtgccgctTTCAAGGTCACtgctttTTCAAGGTCA CtgatctTTCAAGGTCACtacgctTTCAAGGTCAC
9118	DNA; Synthetic Construct	GTGACCTTGACtgccgctGTGACCTTGACtgctttGTGACCTTGACtgatctGTGAC CTTGACtacgctGTGACCTTGACtgccgctGTGACCTTGACtgctttGTGACCTTGA CtgatctGTGACCTTGACtacgctGTGACCTTGAC
9119	DNA; Synthetic Construct	GTCAAGGTCACtgccgctGTCAAGGTCACtgctttGTCAAGGTCACtgatctGTCAA GGTCACtacgctGTCAAGGTCACtgccgctGTCAAGGTCACtgctttGTCAAGGTCA CtgatctGTCAAGGTCACtacgctGTCAAGGTCAC
9120	DNA; Synthetic Construct	GTGACCTTGAGtgccgctGTGACCTTGAGtgctttGTGACCTTGAGtgatctGTGAC CTTGAGtacgctGTGACCTTGAGtgccgctGTGACCTTGAGtgctttGTGACCTTGA GtgatctGTGACCTTGAGtacgctGTGACCTTGAG
9121	DNA; Synthetic Construct	CTCAAGGTCACtgccgctCTCAAGGTCACtgctttCTCAAGGTCACtgatctCTCAA GGTCACtacgctCTCAAGGTCACtgccgctCTCAAGGTCACtgctttCTCAAGGTCA CtgatctCTCAAGGTCACtacgctCTCAAGGTCAC
9122	DNA; Synthetic Construct	GTGACCTTGGAtgccgctGTGACCTTGGAtgctttGTGACCTTGGAtgatctGTGAC CTTGGAtacgctGTGACCTTGGAtgccgctGTGACCTTGGAtgctttGTGACCTTGG AtgatctGTGACCTTGGAtacgctGTGACCTTGGA
9123	DNA; Synthetic Construct	TCCAAGGTCACtgccgctTCCAAGGTCACtgctttTCCAAGGTCACtgatctTCCAA GGTCACtacgctTCCAAGGTCACtgccgctTCCAAGGTCACtgctttTCCAAGGTCA CtgatctTCCAAGGTCACtacgctTCCAAGGTCAC
9124	DNA; Synthetic Construct	GTGACCTTGGCtgccgctGTGACCTTGGCtgctttGTGACCTTGGCtgatctGTGAC CTTGGCtacgctGTGACCTTGGCtgccgctGTGACCTTGGCtgctttGTGACCTTGG CtgatctGTGACCTTGGCtacgctGTGACCTTGGC
9125	DNA; Synthetic Construct	GCCAAGGTCACtgccgctGCCAAGGTCACtgctttGCCAAGGTCACtgatctGCCAA GGTCACtacgctGCCAAGGTCACtgccgctGCCAAGGTCACtgctttGCCAAGGTCA CtgatctGCCAAGGTCACtacgctGCCAAGGTCAC
9126	DNA; Synthetic Construct	GTGACCTTGGGtgccgctGTGACCTTGGGtgctttGTGACCTTGGGtgatctGTGAC CTTGGGtacgctGTGACCTTGGGtgccgctGTGACCTTGGGtgctttGTGACCTTGG GtgatctGTGACCTTGGGtacgctGTGACCTTGGG
9127	DNA; Synthetic Construct	CCCAAGGTCACtgccgctCCCAAGGTCACtgctttCCCAAGGTCACtgatctCCCAA GGTCACtacgctCCCAAGGTCACtgccgctCCCAAGGTCACtgctttCCCAAGGTCA CtgatctCCCAAGGTCACtacgctCCCAAGGTCAC
9128	DNA; Synthetic Construct	GCTGAGTCAGCAtgctttGCTGAGTCAGCAtgatctGCTGAGTCAGCAtacgctGCT GAGTCAGCAtgccgctGCTGAGTCAGCAtgctttGCTGAGTCAGCAtgatctGCTGA GTCAGCAtacgctGCTGAGTCAGCA
9129	DNA; Synthetic Construct	TGCTGACTCAGCtgctttTGCTGACTCAGCtgatctTGCTGACTCAGCtacgctTGC TGACTCAGCtgccgctTGCTGACTCAGCtgctttTGCTGACTCAGCtgatctTGCTG ACTCAGCtacgctTGCTGACTCAGC
9130	DNA; Synthetic Construct	GCTGACTCAGCAtgctttGCTGACTCAGCAtgatctGCTGACTCAGCAtacgctGCT GACTCAGCAtgccgctGCTGACTCAGCAtgctttGCTGACTCAGCAtgatctGCTGA CTCAGCAtacgctGCTGACTCAGCA
9131	DNA; Synthetic Construct	TGCTGAGTCAGCtgctttTGCTGAGTCAGCtgatctTGCTGAGTCAGCtacgctTGC TGAGTCAGCtgccgctTGCTGAGTCAGCtgctttTGCTGAGTCAGCtgatctTGCTG AGTCAGCtacgctTGCTGAGTCAGC
9132	DNA; Synthetic Construct	TATACTGCACCCCCTCCCATGACAtgccgctTATACTGCACCCCCTCCCATGACAtg ctttTATACTGCACCCCCTCCCATGACAtgatctTATACTGCACCCCCTCCCATGAC AtacgctTATACTGCACCCCCTCCCATGACA
9133	DNA; Synthetic Construct	TGTCATGGGAGGGGGTGCAGTATAtgccgctTGTCATGGGAGGGGGTGCAGTATAtg ctttTGTCATGGGAGGGGGTGCAGTATAtgatctTGTCATGGGAGGGGGTGCAGTAT AtacgctTGTCATGGGAGGGGGTGCAGTATA

9134	DNA; Synthetic Construct	TATACTGCACCCCCTCCCATGACCtgccgctTATACTGCACCCCCTCCCATGACCtg ctttTATACTGCACCCCCTCCCATGACCtgatctTATACTGCACCCCCTCCCATGAC CtacgctTATACTGCACCCCCTCCCATGACC
9135	DNA; Synthetic Construct	GGTCATGGGAGGGGGTGCAGTATAtgccgctGGTCATGGGAGGGGGTGCAGTATAtg ctttGGTCATGGGAGGGGGTGCAGTATAtgatctGGTCATGGGAGGGGGTGCAGTAT AtacgctGGTCATGGGAGGGGGTGCAGTATA
9136	DNA; Synthetic Construct	TATACTGCACCCCCTCCCATGTCAtgccgctTATACTGCACCCCCTCCCATGTCAtg ctttTATACTGCACCCCCTCCCATGTCAtgatctTATACTGCACCCCCTCCCATGTC AtacgctTATACTGCACCCCCTCCCATGTCA
9137	DNA; Synthetic Construct	TGACATGGGAGGGGGTGCAGTATAtgccgctTGACATGGGAGGGGGTGCAGTATAtg ctttTGACATGGGAGGGGGTGCAGTATAtgatctTGACATGGGAGGGGGTGCAGTAT AtacgctTGACATGGGAGGGGGTGCAGTATA
9138	DNA; Synthetic Construct	TATACTGCACCCCCTCCCATGTCCtgccgctTATACTGCACCCCCTCCCATGTCCtg ctttTATACTGCACCCCCTCCCATGTCCtgatctTATACTGCACCCCCTCCCATGTC CtacgctTATACTGCACCCCCTCCCATGTCC
9139	DNA; Synthetic Construct	GGACATGGGAGGGGGTGCAGTATAtgccgctGGACATGGGAGGGGGTGCAGTATAtg ctttGGACATGGGAGGGGGTGCAGTATAtgatctGGACATGGGAGGGGGTGCAGTAT AtacgctGGACATGGGAGGGGGTGCAGTATA
9140	DNA; Synthetic Construct	TATACTGCACCCCTTCCCATGACAtgccgctTATACTGCACCCCTTCCCATGACAtg ctttTATACTGCACCCCTTCCCATGACAtgatctTATACTGCACCCCTTCCCATGAC AtacgctTATACTGCACCCCTTCCCATGACA
9141	DNA; Synthetic Construct	TGTCATGGGAAGGGGTGCAGTATAtgccgctTGTCATGGGAAGGGGTGCAGTATAtg ctttTGTCATGGGAAGGGGTGCAGTATAtgatctTGTCATGGGAAGGGGTGCAGTAT AtacgctTGTCATGGGAAGGGGTGCAGTATA
9142	DNA; Synthetic Construct	TATACTGCACCCCTTCCCATGACCtgccgctTATACTGCACCCCTTCCCATGACCtg ctttTATACTGCACCCCTTCCCATGACCtgatctTATACTGCACCCCTTCCCATGAC CtacgctTATACTGCACCCCTTCCCATGACC
9143	DNA; Synthetic Construct	GGTCATGGGAAGGGGTGCAGTATAtgccgctGGTCATGGGAAGGGGTGCAGTATAtg ctttGGTCATGGGAAGGGGTGCAGTATAtgatctGGTCATGGGAAGGGGTGCAGTAT AtacgctGGTCATGGGAAGGGGTGCAGTATA
9144	DNA; Synthetic Construct	TATACTGCACCCCTTCCCATGTCAtgccgctTATACTGCACCCCTTCCCATGTCAtg ctttTATACTGCACCCCTTCCCATGTCAtgatctTATACTGCACCCCTTCCCATGTC AtacgctTATACTGCACCCCTTCCCATGTCA
9145	DNA; Synthetic Construct	TGACATGGGAAGGGGTGCAGTATAtgccgctTGACATGGGAAGGGGTGCAGTATAtg ctttTGACATGGGAAGGGGTGCAGTATAtgatctTGACATGGGAAGGGGTGCAGTAT AtacgctTGACATGGGAAGGGGTGCAGTATA
9146	DNA; Synthetic Construct	TATACTGCACCCCTTCCCATGTCCtgccgctTATACTGCACCCCTTCCCATGTCCtg ctttTATACTGCACCCCTTCCCATGTCCtgatctTATACTGCACCCCTTCCCATGTC CtacgctTATACTGCACCCCTTCCCATGTCC
9147	DNA; Synthetic Construct	GGACATGGGAAGGGGTGCAGTATAtgccgctGGACATGGGAAGGGGTGCAGTATAtg ctttGGACATGGGAAGGGGTGCAGTATAtgatctGGACATGGGAAGGGGTGCAGTAT AtacgctGGACATGGGAAGGGGTGCAGTATA
9148	DNA; Synthetic Construct	TATACTGCTCCCCCTCCCATGACAtgccgctTATACTGCTCCCCCTCCCATGACAtg ctttTATACTGCTCCCCCTCCCATGACAtgatctTATACTGCTCCCCCTCCCATGAC AtacgctTATACTGCTCCCCCTCCCATGACA
9149	DNA; Synthetic Construct	TGTCATGGGAGGGGGAGCAGTATAtgccgctTGTCATGGGAGGGGGAGCAGTATAtg ctttTGTCATGGGAGGGGGAGCAGTATAtgatctTGTCATGGGAGGGGGAGCAGTAT AtacgctTGTCATGGGAGGGGGAGCAGTATA
9150	DNA; Synthetic Construct	TATACTGCTCCCCCTCCCATGACCtgccgctTATACTGCTCCCCCTCCCATGACCtg ctttTATACTGCTCCCCCTCCCATGACCtgatctTATACTGCTCCCCCTCCCATGAC CtacgctTATACTGCTCCCCCTCCCATGACC
9151	DNA; Synthetic Construct	GGTCATGGGAGGGGGAGCAGTATAtgccgctGGTCATGGGAGGGGGAGCAGTATAtg ctttGGTCATGGGAGGGGGAGCAGTATAtgatctGGTCATGGGAGGGGGAGCAGTAT AtacgctGGTCATGGGAGGGGGAGCAGTATA

9152	DNA; Synthetic Construct	TATACTGCTCCCCCTCCCATGTCAtgccgctTATACTGCTCCCCCTCCCATGTCAtg ctttTATACTGCTCCCCCTCCCATGTCAtgatctTATACTGCTCCCCCTCCCATGTC AtacgctTATACTGCTCCCCCTCCCATGTCA
9153	DNA; Synthetic Construct	TGACATGGGAGGGGGAGCAGTATAtgccgctTGACATGGGAGGGGGAGCAGTATAtg ctttTGACATGGGAGGGGGAGCAGTATAtgatctTGACATGGGAGGGGGAGCAGTAT AtacgctTGACATGGGAGGGGGAGCAGTATA
9154	DNA; Synthetic Construct	TATACTGCTCCCCCTCCCATGTCCtgccgctTATACTGCTCCCCCTCCCATGTCCtg ctttTATACTGCTCCCCCTCCCATGTCCtgatctTATACTGCTCCCCCTCCCATGTC CtacgctTATACTGCTCCCCCTCCCATGTCC
9155	DNA; Synthetic Construct	GGACATGGGAGGGGGAGCAGTATAtgccgctGGACATGGGAGGGGGAGCAGTATAtg ctttGGACATGGGAGGGGGAGCAGTATAtgatctGGACATGGGAGGGGGAGCAGTAT AtacgctGGACATGGGAGGGGGAGCAGTATA
9156	DNA; Synthetic Construct	TATACTGCTCCCCTTCCCATGACAtgccgctTATACTGCTCCCCTTCCCATGACAtg ctttTATACTGCTCCCCTTCCCATGACAtgatctTATACTGCTCCCCTTCCCATGAC AtacgctTATACTGCTCCCCTTCCCATGACA
9157	DNA; Synthetic Construct	TGTCATGGGAAGGGGAGCAGTATAtgccgctTGTCATGGGAAGGGGAGCAGTATAtg ctttTGTCATGGGAAGGGGAGCAGTATAtgatctTGTCATGGGAAGGGGAGCAGTAT AtacgctTGTCATGGGAAGGGGAGCAGTATA
9158	DNA; Synthetic Construct	TATACTGCTCCCCTTCCCATGACCtgccgctTATACTGCTCCCCTTCCCATGACCtg ctttTATACTGCTCCCCTTCCCATGACCtgatctTATACTGCTCCCCTTCCCATGAC CtacgctTATACTGCTCCCCTTCCCATGACC
9159	DNA; Synthetic Construct	GGTCATGGGAAGGGGAGCAGTATAtgccgctGGTCATGGGAAGGGGAGCAGTATAtg ctttGGTCATGGGAAGGGGAGCAGTATAtgatctGGTCATGGGAAGGGGAGCAGTAT AtacgctGGTCATGGGAAGGGGAGCAGTATA
9160	DNA; Synthetic Construct	TATACTGCTCCCCTTCCCATGTCAtgccgctTATACTGCTCCCCTTCCCATGTCAtg ctttTATACTGCTCCCCTTCCCATGTCAtgatctTATACTGCTCCCCTTCCCATGTC AtacgctTATACTGCTCCCCTTCCCATGTCA
9161	DNA; Synthetic Construct	TGACATGGGAAGGGGAGCAGTATAtgccgctTGACATGGGAAGGGGAGCAGTATAtg ctttTGACATGGGAAGGGGAGCAGTATAtgatctTGACATGGGAAGGGGAGCAGTAT AtacgctTGACATGGGAAGGGGAGCAGTATA
9162	DNA; Synthetic Construct	TATACTGCTCCCCTTCCCATGTCCtgccgctTATACTGCTCCCCTTCCCATGTCCtg ctttTATACTGCTCCCCTTCCCATGTCCtgatctTATACTGCTCCCCTTCCCATGTC CtacgctTATACTGCTCCCCTTCCCATGTCC
9163	DNA; Synthetic Construct	GGACATGGGAAGGGGAGCAGTATAtgccgctGGACATGGGAAGGGGAGCAGTATAtg ctttGGACATGGGAAGGGGAGCAGTATAtgatctGGACATGGGAAGGGGAGCAGTAT AtacgctGGACATGGGAAGGGGAGCAGTATA
9164	DNA; Synthetic Construct	TATATTGCACCCCCTCCCATGACAtgccgctTATATTGCACCCCCTCCCATGACAtg ctttTATATTGCACCCCCTCCCATGACAtgatctTATATTGCACCCCCTCCCATGAC AtacgctTATATTGCACCCCCTCCCATGACA
9165	DNA; Synthetic Construct	TGTCATGGGAGGGGGTGCAATATAtgccgctTGTCATGGGAGGGGGTGCAATATAtg ctttTGTCATGGGAGGGGGTGCAATATAtgatctTGTCATGGGAGGGGGTGCAATAT AtacgctTGTCATGGGAGGGGGTGCAATATA
9166	DNA; Synthetic Construct	TATATTGCACCCCCTCCCATGACCtgccgctTATATTGCACCCCCTCCCATGACCtg ctttTATATTGCACCCCCTCCCATGACCtgatctTATATTGCACCCCCTCCCATGAC CtacgctTATATTGCACCCCCTCCCATGACC
9167	DNA; Synthetic Construct	GGTCATGGGAGGGGGTGCAATATAtgccgctGGTCATGGGAGGGGGTGCAATATAtg ctttGGTCATGGGAGGGGGTGCAATATAtgatctGGTCATGGGAGGGGGTGCAATAT AtacgctGGTCATGGGAGGGGGTGCAATATA
9168	DNA; Synthetic Construct	TATATTGCACCCCCTCCCATGTCAtgccgctTATATTGCACCCCCTCCCATGTCAtg ctttTATATTGCACCCCCTCCCATGTCAtgatctTATATTGCACCCCCTCCCATGTC AtacgctTATATTGCACCCCCTCCCATGTCA
9169	DNA; Synthetic Construct	TGACATGGGAGGGGGTGCAATATAtgccgctTGACATGGGAGGGGGTGCAATATAtg ctttTGACATGGGAGGGGGTGCAATATAtgatctTGACATGGGAGGGGGTGCAATAT AtacgctTGACATGGGAGGGGGTGCAATATA

9170	DNA; Synthetic Construct	TATATTGCACCCCCTCCCATGTCCtgccgctTATATTGCACCCCCTCCCATGTCCtg ctttTATATTGCACCCCCTCCCATGTCCtgatctTATATTGCACCCCCTCCCATGTC CtacgctTATATTGCACCCCCTCCCATGTCC
9171	DNA; Synthetic Construct	GGACATGGGAGGGGGTGCAATATAtgccgctGGACATGGGAGGGGGTGCAATATAtg ctttGGACATGGGAGGGGGTGCAATATAtgatctGGACATGGGAGGGGGTGCAATAT AtacgctGGACATGGGAGGGGGTGCAATATA
9172	DNA; Synthetic Construct	TATATTGCACCCCTTCCCATGACAtgccgctTATATTGCACCCCTTCCCATGACAtg ctttTATATTGCACCCCTTCCCATGACAtgatctTATATTGCACCCCTTCCCATGAC AtacgctTATATTGCACCCCTTCCCATGACA
9173	DNA; Synthetic Construct	TGTCATGGGAAGGGGTGCAATATAtgccgctTGTCATGGGAAGGGGTGCAATATAtg ctttTGTCATGGGAAGGGGTGCAATATAtgatctTGTCATGGGAAGGGGTGCAATAT AtacgctTGTCATGGGAAGGGGTGCAATATA
9174	DNA; Synthetic Construct	TATATTGCACCCCTTCCCATGACCtgccgctTATATTGCACCCCTTCCCATGACCtg ctttTATATTGCACCCCTTCCCATGACCtgatctTATATTGCACCCCTTCCCATGAC CtacgctTATATTGCACCCCTTCCCATGACC
9175	DNA; Synthetic Construct	GGTCATGGGAAGGGGTGCAATATAtgccgctGGTCATGGGAAGGGGTGCAATATAtg ctttGGTCATGGGAAGGGGTGCAATATAtgatctGGTCATGGGAAGGGGTGCAATAT AtacgctGGTCATGGGAAGGGGTGCAATATA
9176	DNA; Synthetic Construct	TATATTGCACCCCTTCCCATGTCAtgccgctTATATTGCACCCCTTCCCATGTCAtg ctttTATATTGCACCCCTTCCCATGTCAtgatctTATATTGCACCCCTTCCCATGTC AtacgctTATATTGCACCCCTTCCCATGTCA
9177	DNA; Synthetic Construct	TGACATGGGAAGGGGTGCAATATAtgccgctTGACATGGGAAGGGGTGCAATATAtg ctttTGACATGGGAAGGGGTGCAATATAtgatctTGACATGGGAAGGGGTGCAATAT AtacgctTGACATGGGAAGGGGTGCAATATA
9178	DNA; Synthetic Construct	TATATTGCACCCCTTCCCATGTCCtgccgctTATATTGCACCCCTTCCCATGTCCtg ctttTATATTGCACCCCTTCCCATGTCCtgatctTATATTGCACCCCTTCCCATGTC CtacgctTATATTGCACCCCTTCCCATGTCC
9179	DNA; Synthetic Construct	GGACATGGGAAGGGGTGCAATATAtgccgctGGACATGGGAAGGGGTGCAATATAtg ctttGGACATGGGAAGGGGTGCAATATAtgatctGGACATGGGAAGGGGTGCAATAT AtacgctGGACATGGGAAGGGGTGCAATATA
9180	DNA; Synthetic Construct	TATATTGCTCCCCCTCCCATGACAtgccgctTATATTGCTCCCCCTCCCATGACAtg ctttTATATTGCTCCCCCTCCCATGACAtgatctTATATTGCTCCCCCTCCCATGAC AtacgctTATATTGCTCCCCCTCCCATGACA
9181	DNA; Synthetic Construct	TGTCATGGGAGGGGGAGCAATATAtgccgctTGTCATGGGAGGGGGAGCAATATAtg ctttTGTCATGGGAGGGGGAGCAATATAtgatctTGTCATGGGAGGGGGAGCAATAT AtacgctTGTCATGGGAGGGGGAGCAATATA
9182	DNA; Synthetic Construct	TATATTGCTCCCCCTCCCATGACCtgccgctTATATTGCTCCCCCTCCCATGACCtg ctttTATATTGCTCCCCCTCCCATGACCtgatctTATATTGCTCCCCCTCCCATGAC CtacgctTATATTGCTCCCCCTCCCATGACC
9183	DNA; Synthetic Construct	GGTCATGGGAGGGGGAGCAATATAtgccgctGGTCATGGGAGGGGGAGCAATATAtg ctttGGTCATGGGAGGGGGAGCAATATAtgatctGGTCATGGGAGGGGGAGCAATAT AtacgctGGTCATGGGAGGGGGAGCAATATA
9184	DNA; Synthetic Construct	TATATTGCTCCCCCTCCCATGTCAtgccgctTATATTGCTCCCCCTCCCATGTCAtg ctttTATATTGCTCCCCCTCCCATGTCAtgatctTATATTGCTCCCCCTCCCATGTC AtacgctTATATTGCTCCCCCTCCCATGTCA
9185	DNA; Synthetic Construct	TGACATGGGAGGGGGAGCAATATAtgccgctTGACATGGGAGGGGGAGCAATATAtg ctttTGACATGGGAGGGGGAGCAATATAtgatctTGACATGGGAGGGGGAGCAATAT AtacgctTGACATGGGAGGGGGAGCAATATA
9186	DNA; Synthetic Construct	TATATTGCTCCCCCTCCCATGTCCtgccgctTATATTGCTCCCCCTCCCATGTCCtg ctttTATATTGCTCCCCCTCCCATGTCCtgatctTATATTGCTCCCCCTCCCATGTC CtacgctTATATTGCTCCCCCTCCCATGTCC
9187	DNA; Synthetic Construct	GGACATGGGAGGGGGAGCAATATAtgccgctGGACATGGGAGGGGGAGCAATATAtg ctttGGACATGGGAGGGGGAGCAATATAtgatctGGACATGGGAGGGGGAGCAATAT AtacgctGGACATGGGAGGGGGAGCAATATA

9188	DNA; Synthetic Construct	TATATTGCTCCCCTTCCCATGACAtgccgctTATATTGCTCCCCTTCCCATGACAtg ctttTATATTGCTCCCCTTCCCATGACAtgatctTATATTGCTCCCCTTCCCATGAC AtacgctTATATTGCTCCCCTTCCCATGACA
9189	DNA; Synthetic Construct	TGTCATGGGAAGGGGAGCAATATAtgccgctTGTCATGGGAAGGGGAGCAATATAtg ctttTGTCATGGGAAGGGGAGCAATATAtgatctTGTCATGGGAAGGGGAGCAATAT AtacgctTGTCATGGGAAGGGGAGCAATATA
9190	DNA; Synthetic Construct	TATATTGCTCCCCTTCCCATGACCtgccgctTATATTGCTCCCCTTCCCATGACCtg ctttTATATTGCTCCCCTTCCCATGACCtgatctTATATTGCTCCCCTTCCCATGAC CtacgctTATATTGCTCCCCTTCCCATGACC
9191	DNA; Synthetic Construct	GGTCATGGGAAGGGGAGCAATATAtgccgctGGTCATGGGAAGGGGAGCAATATAtg ctttGGTCATGGGAAGGGGAGCAATATAtgatctGGTCATGGGAAGGGGAGCAATAT AtacgctGGTCATGGGAAGGGGAGCAATATA
9192	DNA; Synthetic Construct	TATATTGCTCCCCTTCCCATGTCAtgccgctTATATTGCTCCCCTTCCCATGTCAtg ctttTATATTGCTCCCCTTCCCATGTCAtgatctTATATTGCTCCCCTTCCCATGTC AtacgctTATATTGCTCCCCTTCCCATGTCA
9193	DNA; Synthetic Construct	TGACATGGGAAGGGGAGCAATATAtgccgctTGACATGGGAAGGGGAGCAATATAtg ctttTGACATGGGAAGGGGAGCAATATAtgatctTGACATGGGAAGGGGAGCAATAT AtacgctTGACATGGGAAGGGGAGCAATATA
9194	DNA; Synthetic Construct	TATATTGCTCCCCTTCCCATGTCCtgccgctTATATTGCTCCCCTTCCCATGTCCtg ctttTATATTGCTCCCCTTCCCATGTCCtgatctTATATTGCTCCCCTTCCCATGTC CtacgctTATATTGCTCCCCTTCCCATGTCC
9195	DNA; Synthetic Construct	GGACATGGGAAGGGGAGCAATATAtgccgctGGACATGGGAAGGGGAGCAATATAtg ctttGGACATGGGAAGGGGAGCAATATAtgatctGGACATGGGAAGGGGAGCAATAT AtacgctGGACATGGGAAGGGGAGCAATATA
9196	DNA; Synthetic Construct	TGTACTGCACCCCCTCCCATGACAtgccgctTGTACTGCACCCCCTCCCATGACAtg ctttTGTACTGCACCCCCTCCCATGACAtgatctTGTACTGCACCCCCTCCCATGAC AtacgctTGTACTGCACCCCCTCCCATGACA
9197	DNA; Synthetic Construct	TGTCATGGGAGGGGGTGCAGTACAtgccgctTGTCATGGGAGGGGGTGCAGTACAtg ctttTGTCATGGGAGGGGGTGCAGTACAtgatctTGTCATGGGAGGGGGTGCAGTAC AtacgctTGTCATGGGAGGGGGTGCAGTACA
9198	DNA; Synthetic Construct	TGTACTGCACCCCCTCCCATGACCtgccgctTGTACTGCACCCCCTCCCATGACCtg ctttTGTACTGCACCCCCTCCCATGACCtgatctTGTACTGCACCCCCTCCCATGAC CtacgctTGTACTGCACCCCCTCCCATGACC
9199	DNA; Synthetic Construct	GGTCATGGGAGGGGGTGCAGTACAtgccgctGGTCATGGGAGGGGGTGCAGTACAtg ctttGGTCATGGGAGGGGGTGCAGTACAtgatctGGTCATGGGAGGGGGTGCAGTAC AtacgctGGTCATGGGAGGGGGTGCAGTACA
9200	DNA; Synthetic Construct	TGTACTGCACCCCCTCCCATGTCAtgccgctTGTACTGCACCCCCTCCCATGTCAtg ctttTGTACTGCACCCCCTCCCATGTCAtgatctTGTACTGCACCCCCTCCCATGTC AtacgctTGTACTGCACCCCCTCCCATGTCA
9201	DNA; Synthetic Construct	TGACATGGGAGGGGGTGCAGTACAtgccgctTGACATGGGAGGGGGTGCAGTACAtg ctttTGACATGGGAGGGGGTGCAGTACAtgatctTGACATGGGAGGGGGTGCAGTAC AtacgctTGACATGGGAGGGGGTGCAGTACA
9202	DNA; Synthetic Construct	TGTACTGCACCCCCTCCCATGTCCtgccgctTGTACTGCACCCCCTCCCATGTCCtg ctttTGTACTGCACCCCCTCCCATGTCCtgatctTGTACTGCACCCCCTCCCATGTC CtacgctTGTACTGCACCCCCTCCCATGTCC
9203	DNA; Synthetic Construct	GGACATGGGAGGGGGTGCAGTACAtgccgctGGACATGGGAGGGGGTGCAGTACAtg ctttGGACATGGGAGGGGGTGCAGTACAtgatctGGACATGGGAGGGGGTGCAGTAC AtacgctGGACATGGGAGGGGGTGCAGTACA
9204	DNA; Synthetic Construct	TGTACTGCACCCCTTCCCATGACAtgccgctTGTACTGCACCCCTTCCCATGACAtg ctttTGTACTGCACCCCTTCCCATGACAtgatctTGTACTGCACCCCTTCCCATGAC AtacgctTGTACTGCACCCCTTCCCATGACA
9205	DNA; Synthetic Construct	TGTCATGGGAAGGGGTGCAGTACAtgccgctTGTCATGGGAAGGGGTGCAGTACAtg ctttTGTCATGGGAAGGGGTGCAGTACAtgatctTGTCATGGGAAGGGGTGCAGTAC AtacgctTGTCATGGGAAGGGGTGCAGTACA

9206	DNA; Synthetic Construct	TGTACTGCACCCCTTCCCATGACCtgccgctTGTACTGCACCCCTTCCCATGACCtg ctttTGTACTGCACCCCTTCCCATGACCtgatctTGTACTGCACCCCTTCCCATGAC CtacgctTGTACTGCACCCCTTCCCATGACC
9207	DNA; Synthetic Construct	GGTCATGGGAAGGGGTGCAGTACAtgccgctGGTCATGGGAAGGGGTGCAGTACAtg ctttGGTCATGGGAAGGGGTGCAGTACAtgatctGGTCATGGGAAGGGGTGCAGTAC AtacgctGGTCATGGGAAGGGGTGCAGTACA
9208	DNA; Synthetic Construct	TGTACTGCACCCCTTCCCATGTCAtgccgctTGTACTGCACCCCTTCCCATGTCAtg ctttTGTACTGCACCCCTTCCCATGTCAtgatctTGTACTGCACCCCTTCCCATGTC AtacgctTGTACTGCACCCCTTCCCATGTCA
9209	DNA; Synthetic Construct	TGACATGGGAAGGGGTGCAGTACAtgccgctTGACATGGGAAGGGGTGCAGTACAtg ctttTGACATGGGAAGGGGTGCAGTACAtgatctTGACATGGGAAGGGGTGCAGTAC AtacgctTGACATGGGAAGGGGTGCAGTACA
9210	DNA; Synthetic Construct	TGTACTGCACCCCTTCCCATGTCCtgccgctTGTACTGCACCCCTTCCCATGTCCtg ctttTGTACTGCACCCCTTCCCATGTCCtgatctTGTACTGCACCCCTTCCCATGTC CtacgctTGTACTGCACCCCTTCCCATGTCC
9211	DNA; Synthetic Construct	GGACATGGGAAGGGGTGCAGTACAtgccgctGGACATGGGAAGGGGTGCAGTACAtg ctttGGACATGGGAAGGGGTGCAGTACAtgatctGGACATGGGAAGGGGTGCAGTAC AtacgctGGACATGGGAAGGGGTGCAGTACA
9212	DNA; Synthetic Construct	TGTACTGCTCCCCCTCCCATGACAtgccgctTGTACTGCTCCCCCTCCCATGACAtg ctttTGTACTGCTCCCCCTCCCATGACAtgatctTGTACTGCTCCCCCTCCCATGAC AtacgctTGTACTGCTCCCCCTCCCATGACA
9213	DNA; Synthetic Construct	TGTCATGGGAGGGGGAGCAGTACAtgccgctTGTCATGGGAGGGGGAGCAGTACAtg ctttTGTCATGGGAGGGGGAGCAGTACAtgatctTGTCATGGGAGGGGGAGCAGTAC AtacgctTGTCATGGGAGGGGGAGCAGTACA
9214	DNA; Synthetic Construct	TGTACTGCTCCCCCTCCCATGACCtgccgctTGTACTGCTCCCCCTCCCATGACCtg ctttTGTACTGCTCCCCCTCCCATGACCtgatctTGTACTGCTCCCCCTCCCATGAC CtacgctTGTACTGCTCCCCCTCCCATGACC
9215	DNA; Synthetic Construct	GGTCATGGGAGGGGGAGCAGTACAtgccgctGGTCATGGGAGGGGGAGCAGTACAtg ctttGGTCATGGGAGGGGGAGCAGTACAtgatctGGTCATGGGAGGGGGAGCAGTAC AtacgctGGTCATGGGAGGGGGAGCAGTACA
9216	DNA; Synthetic Construct	TGTACTGCTCCCCCTCCCATGTCAtgccgctTGTACTGCTCCCCCTCCCATGTCAtg ctttTGTACTGCTCCCCCTCCCATGTCAtgatctTGTACTGCTCCCCCTCCCATGTC AtacgctTGTACTGCTCCCCCTCCCATGTCA
9217	DNA; Synthetic Construct	TGACATGGGAGGGGGAGCAGTACAtgccgctTGACATGGGAGGGGGAGCAGTACAtg ctttTGACATGGGAGGGGGAGCAGTACAtgatctTGACATGGGAGGGGGAGCAGTAC AtacgctTGACATGGGAGGGGGAGCAGTACA
9218	DNA; Synthetic Construct	TGTACTGCTCCCCCTCCCATGTCCtgccgctTGTACTGCTCCCCCTCCCATGTCCtg ctttTGTACTGCTCCCCCTCCCATGTCCtgatctTGTACTGCTCCCCCTCCCATGTC CtacgctTGTACTGCTCCCCCTCCCATGTCC
9219	DNA; Synthetic Construct	GGACATGGGAGGGGGAGCAGTACAtgccgctGGACATGGGAGGGGGAGCAGTACAtg ctttGGACATGGGAGGGGGAGCAGTACAtgatctGGACATGGGAGGGGGAGCAGTAC AtacgctGGACATGGGAGGGGGAGCAGTACA
9220	DNA; Synthetic Construct	TGTACTGCTCCCCTTCCCATGACAtgccgctTGTACTGCTCCCCTTCCCATGACAtg ctttTGTACTGCTCCCCTTCCCATGACAtgatctTGTACTGCTCCCCTTCCCATGAC AtacgctTGTACTGCTCCCCTTCCCATGACA
9221	DNA; Synthetic Construct	TGTCATGGGAAGGGGAGCAGTACAtgccgctTGTCATGGGAAGGGGAGCAGTACAtg ctttTGTCATGGGAAGGGGAGCAGTACAtgatctTGTCATGGGAAGGGGAGCAGTAC AtacgctTGTCATGGGAAGGGGAGCAGTACA
9222	DNA; Synthetic Construct	TGTACTGCTCCCCTTCCCATGACCtgccgctTGTACTGCTCCCCTTCCCATGACCtg ctttTGTACTGCTCCCCTTCCCATGACCtgatctTGTACTGCTCCCCTTCCCATGAC CtacgctTGTACTGCTCCCCTTCCCATGACC
9223	DNA; Synthetic Construct	GGTCATGGGAAGGGGAGCAGTACAtgccgctGGTCATGGGAAGGGGAGCAGTACAtg ctttGGTCATGGGAAGGGGAGCAGTACAtgatctGGTCATGGGAAGGGGAGCAGTAC AtacgctGGTCATGGGAAGGGGAGCAGTACA

9224	DNA; Synthetic Construct	TGTACTGCTCCCCTTCCCATGTCAtgccgctTGTACTGCTCCCCTTCCCATGTCAtg ctttTGTACTGCTCCCCTTCCCATGTCAtgatctTGTACTGCTCCCCTTCCCATGTC AtacgctTGTACTGCTCCCCTTCCCATGTCA
9225	DNA; Synthetic Construct	TGACATGGGAAGGGGAGCAGTACAtgccgctTGACATGGGAAGGGGAGCAGTACAtg ctttTGACATGGGAAGGGGAGCAGTACAtgatctTGACATGGGAAGGGGAGCAGTAC AtacgctTGACATGGGAAGGGGAGCAGTACA
9226	DNA; Synthetic Construct	TGTACTGCTCCCCTTCCCATGTCCtgccgctTGTACTGCTCCCCTTCCCATGTCCtg ctttTGTACTGCTCCCCTTCCCATGTCCtgatctTGTACTGCTCCCCTTCCCATGTC CtacgctTGTACTGCTCCCCTTCCCATGTCC
9227	DNA; Synthetic Construct	GGACATGGGAAGGGGAGCAGTACAtgccgctGGACATGGGAAGGGGAGCAGTACAtg ctttGGACATGGGAAGGGGAGCAGTACAtgatctGGACATGGGAAGGGGAGCAGTAC AtacgctGGACATGGGAAGGGGAGCAGTACA
9228	DNA; Synthetic Construct	TGTATTGCACCCCCTCCCATGACAtgccgctTGTATTGCACCCCCTCCCATGACAtg ctttTGTATTGCACCCCCTCCCATGACAtgatctTGTATTGCACCCCCTCCCATGAC AtacgctTGTATTGCACCCCCTCCCATGACA
9229	DNA; Synthetic Construct	TGTCATGGGAGGGGGTGCAATACAtgccgctTGTCATGGGAGGGGGTGCAATACAtg ctttTGTCATGGGAGGGGGTGCAATACAtgatctTGTCATGGGAGGGGGTGCAATAC AtacgctTGTCATGGGAGGGGGTGCAATACA
9230	DNA; Synthetic Construct	TGTATTGCACCCCCTCCCATGACCtgccgctTGTATTGCACCCCCTCCCATGACCtg ctttTGTATTGCACCCCCTCCCATGACCtgatctTGTATTGCACCCCCTCCCATGAC CtacgctTGTATTGCACCCCCTCCCATGACC
9231	DNA; Synthetic Construct	GGTCATGGGAGGGGGTGCAATACAtgccgctGGTCATGGGAGGGGGTGCAATACAtg ctttGGTCATGGGAGGGGGTGCAATACAtgatctGGTCATGGGAGGGGGTGCAATAC AtacgctGGTCATGGGAGGGGGTGCAATACA
9232	DNA; Synthetic Construct	TGTATTGCACCCCCTCCCATGTCAtgccgctTGTATTGCACCCCCTCCCATGTCAtg ctttTGTATTGCACCCCCTCCCATGTCAtgatctTGTATTGCACCCCCTCCCATGTC AtacgctTGTATTGCACCCCCTCCCATGTCA
9233	DNA; Synthetic Construct	TGACATGGGAGGGGGTGCAATACAtgccgctTGACATGGGAGGGGGTGCAATACAtg ctttTGACATGGGAGGGGGTGCAATACAtgatctTGACATGGGAGGGGGTGCAATAC AtacgctTGACATGGGAGGGGGTGCAATACA
9234	DNA; Synthetic Construct	TGTATTGCACCCCCTCCCATGTCCtgccgctTGTATTGCACCCCCTCCCATGTCCtg ctttTGTATTGCACCCCCTCCCATGTCCtgatctTGTATTGCACCCCCTCCCATGTC CtacgctTGTATTGCACCCCCTCCCATGTCC
9235	DNA; Synthetic Construct	GGACATGGGAGGGGGTGCAATACAtgccgctGGACATGGGAGGGGGTGCAATACAtg ctttGGACATGGGAGGGGGTGCAATACAtgatctGGACATGGGAGGGGGTGCAATAC AtacgctGGACATGGGAGGGGGTGCAATACA
9236	DNA; Synthetic Construct	TGTATTGCACCCCTTCCCATGACAtgccgctTGTATTGCACCCCTTCCCATGACAtg ctttTGTATTGCACCCCTTCCCATGACAtgatctTGTATTGCACCCCTTCCCATGAC AtacgctTGTATTGCACCCCTTCCCATGACA
9237	DNA; Synthetic Construct	TGTCATGGGAAGGGGTGCAATACAtgccgctTGTCATGGGAAGGGGTGCAATACAtg ctttTGTCATGGGAAGGGGTGCAATACAtgatctTGTCATGGGAAGGGGTGCAATAC AtacgctTGTCATGGGAAGGGGTGCAATACA
9238	DNA; Synthetic Construct	TGTATTGCACCCCTTCCCATGACCtgccgctTGTATTGCACCCCTTCCCATGACCtg ctttTGTATTGCACCCCTTCCCATGACCtgatctTGTATTGCACCCCTTCCCATGAC CtacgctTGTATTGCACCCCTTCCCATGACC
9239	DNA; Synthetic Construct	GGTCATGGGAAGGGGTGCAATACAtgccgctGGTCATGGGAAGGGGTGCAATACAtg ctttGGTCATGGGAAGGGGTGCAATACAtgatctGGTCATGGGAAGGGGTGCAATAC AtacgctGGTCATGGGAAGGGGTGCAATACA
9240	DNA; Synthetic Construct	TGTATTGCACCCCTTCCCATGTCAtgccgctTGTATTGCACCCCTTCCCATGTCAtg ctttTGTATTGCACCCCTTCCCATGTCAtgatctTGTATTGCACCCCTTCCCATGTC AtacgctTGTATTGCACCCCTTCCCATGTCA
9241	DNA; Synthetic Construct	TGACATGGGAAGGGGTGCAATACAtgccgctTGACATGGGAAGGGGTGCAATACAtg ctttTGACATGGGAAGGGGTGCAATACAtgatctTGACATGGGAAGGGGTGCAATAC AtacgctTGACATGGGAAGGGGTGCAATACA

9242	DNA; Synthetic Construct	TGTATTGCACCCCTTCCCATGTCCtgccgctTGTATTGCACCCCTTCCCATGTCCtg ctttTGTATTGCACCCCTTCCCATGTCCtgatctTGTATTGCACCCCTTCCCATGTC CtacgctTGTATTGCACCCCTTCCCATGTCC
9243	DNA; Synthetic Construct	GGACATGGGAAGGGGTGCAATACAtgccgctGGACATGGGAAGGGGTGCAATACAtg ctttGGACATGGGAAGGGGTGCAATACAtgatctGGACATGGGAAGGGGTGCAATAC AtacgctGGACATGGGAAGGGGTGCAATACA
9244	DNA; Synthetic Construct	TGTATTGCTCCCCCTCCCATGACAtgccgctTGTATTGCTCCCCCTCCCATGACAtg ctttTGTATTGCTCCCCCTCCCATGACAtgatctTGTATTGCTCCCCCTCCCATGAC AtacgctTGTATTGCTCCCCCTCCCATGACA
9245	DNA; Synthetic Construct	TGTCATGGGAGGGGGAGCAATACAtgccgctTGTCATGGGAGGGGGAGCAATACAtg ctttTGTCATGGGAGGGGGAGCAATACAtgatctTGTCATGGGAGGGGGAGCAATAC AtacgctTGTCATGGGAGGGGGAGCAATACA
9246	DNA; Synthetic Construct	TGTATTGCTCCCCCTCCCATGACCtgccgctTGTATTGCTCCCCCTCCCATGACCtg ctttTGTATTGCTCCCCCTCCCATGACCtgatctTGTATTGCTCCCCCTCCCATGAC CtacgctTGTATTGCTCCCCCTCCCATGACC
9247	DNA; Synthetic Construct	GGTCATGGGAGGGGGAGCAATACAtgccgctGGTCATGGGAGGGGGAGCAATACAtg ctttGGTCATGGGAGGGGGAGCAATACAtgatctGGTCATGGGAGGGGGAGCAATAC AtacgctGGTCATGGGAGGGGGAGCAATACA
9248	DNA; Synthetic Construct	TGTATTGCTCCCCCTCCCATGTCAtgccgctTGTATTGCTCCCCCTCCCATGTCAtg ctttTGTATTGCTCCCCCTCCCATGTCAtgatctTGTATTGCTCCCCCTCCCATGTC AtacgctTGTATTGCTCCCCCTCCCATGTCA
9249	DNA; Synthetic Construct	TGACATGGGAGGGGGAGCAATACAtgccgctTGACATGGGAGGGGGAGCAATACAtg ctttTGACATGGGAGGGGGAGCAATACAtgatctTGACATGGGAGGGGGAGCAATAC AtacgctTGACATGGGAGGGGGAGCAATACA
9250	DNA; Synthetic Construct	TGTATTGCTCCCCCTCCCATGTCCtgccgctTGTATTGCTCCCCCTCCCATGTCCtg ctttTGTATTGCTCCCCCTCCCATGTCCtgatctTGTATTGCTCCCCCTCCCATGTC CtacgctTGTATTGCTCCCCCTCCCATGTCC
9251	DNA; Synthetic Construct	GGACATGGGAGGGGGAGCAATACAtgccgctGGACATGGGAGGGGGAGCAATACAtg ctttGGACATGGGAGGGGGAGCAATACAtgatctGGACATGGGAGGGGGAGCAATAC AtacgctGGACATGGGAGGGGGAGCAATACA
9252	DNA; Synthetic Construct	TGTATTGCTCCCCTTCCCATGACAtgccgctTGTATTGCTCCCCTTCCCATGACAtg ctttTGTATTGCTCCCCTTCCCATGACAtgatctTGTATTGCTCCCCTTCCCATGAC AtacgctTGTATTGCTCCCCTTCCCATGACA
9253	DNA; Synthetic Construct	TGTCATGGGAAGGGGAGCAATACAtgccgctTGTCATGGGAAGGGGAGCAATACAtg ctttTGTCATGGGAAGGGGAGCAATACAtgatctTGTCATGGGAAGGGGAGCAATAC AtacgctTGTCATGGGAAGGGGAGCAATACA
9254	DNA; Synthetic Construct	TGTATTGCTCCCCTTCCCATGACCtgccgctTGTATTGCTCCCCTTCCCATGACCtg ctttTGTATTGCTCCCCTTCCCATGACCtgatctTGTATTGCTCCCCTTCCCATGAC CtacgctTGTATTGCTCCCCTTCCCATGACC
9255	DNA; Synthetic Construct	GGTCATGGGAAGGGGAGCAATACAtgccgctGGTCATGGGAAGGGGAGCAATACAtg ctttGGTCATGGGAAGGGGAGCAATACAtgatctGGTCATGGGAAGGGGAGCAATAC AtacgctGGTCATGGGAAGGGGAGCAATACA
9256	DNA; Synthetic Construct	TGTATTGCTCCCCTTCCCATGTCAtgccgctTGTATTGCTCCCCTTCCCATGTCAtg ctttTGTATTGCTCCCCTTCCCATGTCAtgatctTGTATTGCTCCCCTTCCCATGTC AtacgctTGTATTGCTCCCCTTCCCATGTCA
9257	DNA; Synthetic Construct	TGACATGGGAAGGGGAGCAATACAtgccgctTGACATGGGAAGGGGAGCAATACAtg ctttTGACATGGGAAGGGGAGCAATACAtgatctTGACATGGGAAGGGGAGCAATAC AtacgctTGACATGGGAAGGGGAGCAATACA
9258	DNA; Synthetic Construct	TGTATTGCTCCCCTTCCCATGTCCtgccgctTGTATTGCTCCCCTTCCCATGTCCtg ctttTGTATTGCTCCCCTTCCCATGTCCtgatctTGTATTGCTCCCCTTCCCATGTC CtacgctTGTATTGCTCCCCTTCCCATGTCC
9259	DNA; Synthetic Construct	GGACATGGGAAGGGGAGCAATACAtgccgctGGACATGGGAAGGGGAGCAATACAtg ctttGGACATGGGAAGGGGAGCAATACAtgatctGGACATGGGAAGGGGAGCAATAC AtacgctGGACATGGGAAGGGGAGCAATACA

9260	DNA; Synthetic Construct	GCCTGAGGGCAAtgctttGCCTGAGGGCAAtgatctGCCTGAGGGCAAtacgctGCC TGAGGGCAAtgccgctGCCTGAGGGCAAtgctttGCCTGAGGGCAAtgatctGCCTG AGGGCAAtacgctGCCTGAGGGCAA
9261	DNA; Synthetic Construct	TTGCCCTCAGGCtgctttTTGCCCTCAGGCtgatctTTGCCCTCAGGCtacgctTTG CCCTCAGGCtgccgctTTGCCCTCAGGCtgctttTTGCCCTCAGGCtgatctTTGCC CTCAGGCtacgctTTGCCCTCAGGC
9262	DNA; Synthetic Construct	GCCTGAGGGCATtgctttGCCTGAGGGCATtgatctGCCTGAGGGCATtacgctGCC TGAGGGCATtgccgctGCCTGAGGGCATtgctttGCCTGAGGGCATtgatctGCCTG AGGGCATtacgctGCCTGAGGGCAT
9263	DNA; Synthetic Construct	ATGCCCTCAGGCtgctttATGCCCTCAGGCtgatctATGCCCTCAGGCtacgctATG CCCTCAGGCtgccgctATGCCCTCAGGCtgctttATGCCCTCAGGCtgatctATGCC CTCAGGCtacgctATGCCCTCAGGC
9264	DNA; Synthetic Construct	GCCTGAGGCCAAtgctttGCCTGAGGCCAAtgatctGCCTGAGGCCAAtacgctGCC TGAGGCCAAtgccgctGCCTGAGGCCAAtgctttGCCTGAGGCCAAtgatctGCCTG AGGCCAAtacgctGCCTGAGGCCAA
9265	DNA; Synthetic Construct	TTGGCCTCAGGCtgctttTTGGCCTCAGGCtgatctTTGGCCTCAGGCtacgctTTG GCCTCAGGCtgccgctTTGGCCTCAGGCtgctttTTGGCCTCAGGCtgatctTTGGC CTCAGGCtacgctTTGGCCTCAGGC
9266	DNA; Synthetic Construct	GCCTGAGGCCATtgctttGCCTGAGGCCATtgatctGCCTGAGGCCATtacgctGCC TGAGGCCATtgccgctGCCTGAGGCCATtgctttGCCTGAGGCCATtgatctGCCTG AGGCCATtacgctGCCTGAGGCCAT
9267	DNA; Synthetic Construct	ATGGCCTCAGGCtgctttATGGCCTCAGGCtgatctATGGCCTCAGGCtacgctATG GCCTCAGGCtgccgctATGGCCTCAGGCtgctttATGGCCTCAGGCtgatctATGGC CTCAGGCtacgctATGGCCTCAGGC
9268	DNA; Synthetic Construct	GCCTCAGGGCAAtgctttGCCTCAGGGCAAtgatctGCCTCAGGGCAAtacgctGCC TCAGGGCAAtgccgctGCCTCAGGGCAAtgctttGCCTCAGGGCAAtgatctGCCTC AGGGCAAtacgctGCCTCAGGGCAA
9269	DNA; Synthetic Construct	TTGCCCTGAGGCtgctttTTGCCCTGAGGCtgatctTTGCCCTGAGGCtacgctTTG CCCTGAGGCtgccgctTTGCCCTGAGGCtgctttTTGCCCTGAGGCtgatctTTGCC CTGAGGCtacgctTTGCCCTGAGGC
9270	DNA; Synthetic Construct	GCCTCAGGGCATtgctttGCCTCAGGGCATtgatctGCCTCAGGGCATtacgctGCC TCAGGGCATtgccgctGCCTCAGGGCATtgctttGCCTCAGGGCATtgatctGCCTC AGGGCATtacgctGCCTCAGGGCAT
9271	DNA; Synthetic Construct	ATGCCCTGAGGCtgctttATGCCCTGAGGCtgatctATGCCCTGAGGCtacgctATG CCCTGAGGCtgccgctATGCCCTGAGGCtgctttATGCCCTGAGGCtgatctATGCC CTGAGGCtacgctATGCCCTGAGGC
9272	DNA; Synthetic Construct	GCCTCAGGCCAAtgctttGCCTCAGGCCAAtgatctGCCTCAGGCCAAtacgctGCC TCAGGCCAAtgccgctGCCTCAGGCCAAtgctttGCCTCAGGCCAAtgatctGCCTC AGGCCAAtacgctGCCTCAGGCCAA
9273	DNA; Synthetic Construct	TTGGCCTGAGGCtgctttTTGGCCTGAGGCtgatctTTGGCCTGAGGCtacgctTTG GCCTGAGGCtgccgctTTGGCCTGAGGCtgctttTTGGCCTGAGGCtgatctTTGGC CTGAGGCtacgctTTGGCCTGAGGC
9274	DNA; Synthetic Construct	GCCTCAGGCCATtgctttGCCTCAGGCCATtgatctGCCTCAGGCCATtacgctGCC TCAGGCCATtgccgctGCCTCAGGCCATtgctttGCCTCAGGCCATtgatctGCCTC AGGCCATtacgctGCCTCAGGCCAT
9275	DNA; Synthetic Construct	ATGGCCTGAGGCtgctttATGGCCTGAGGCtgatctATGGCCTGAGGCtacgctATG GCCTGAGGCtgccgctATGGCCTGAGGCtgctttATGGCCTGAGGCtgatctATGGC CTGAGGCtacgctATGGCCTGAGGC
9276	DNA; Synthetic Construct	CCCTGAGGGCAAtgctttCCCTGAGGGCAAtgatctCCCTGAGGGCAAtacgctCCC TGAGGGCAAtgccgctCCCTGAGGGCAAtgctttCCCTGAGGGCAAtgatctCCCTG AGGGCAAtacgctCCCTGAGGGCAA
9277	DNA; Synthetic Construct	TTGCCCTCAGGGtgctttTTGCCCTCAGGGtgatctTTGCCCTCAGGGtacgctTTG CCCTCAGGGtgccgctTTGCCCTCAGGGtgctttTTGCCCTCAGGGtgatctTTGCC CTCAGGGtacgctTTGCCCTCAGGG

9278	DNA; Synthetic Construct	CCCTGAGGGCATtgctttCCCTGAGGGCATtgatctCCCTGAGGGCATtacgctCCC TGAGGGCATtgccgctCCCTGAGGGCATtgctttCCCTGAGGGCATtgatctCCCTG AGGGCATtacgctCCCTGAGGGCAT
9279	DNA; Synthetic Construct	ATGCCCTCAGGGtgctttATGCCCTCAGGGtgatctATGCCCTCAGGGtacgctATG CCCTCAGGGtgccgctATGCCCTCAGGGtgctttATGCCCTCAGGGtgatctATGCC CTCAGGGtacgctATGCCCTCAGGG
9280	DNA; Synthetic Construct	CCCTGAGGCCAAtgctttCCCTGAGGCCAAtgatctCCCTGAGGCCAAtacgctCCC TGAGGCCAAtgccgctCCCTGAGGCCAAtgctttCCCTGAGGCCAAtgatctCCCTG AGGCCAAtacgctCCCTGAGGCCAA
9281	DNA; Synthetic Construct	TTGGCCTCAGGGtgctttTTGGCCTCAGGGtgatctTTGGCCTCAGGGtacgctTTG GCCTCAGGGtgccgctTTGGCCTCAGGGtgctttTTGGCCTCAGGGtgatctTTGGC CTCAGGGtacgctTTGGCCTCAGGG
9282	DNA; Synthetic Construct	CCCTGAGGCCATtgctttCCCTGAGGCCATtgatctCCCTGAGGCCATtacgctCCC TGAGGCCATtgccgctCCCTGAGGCCATtgctttCCCTGAGGCCATtgatctCCCTG AGGCCATtacgctCCCTGAGGCCAT
9283	DNA; Synthetic Construct	ATGGCCTCAGGGtgctttATGGCCTCAGGGtgatctATGGCCTCAGGGtacgctATG GCCTCAGGGtgccgctATGGCCTCAGGGtgctttATGGCCTCAGGGtgatctATGGC CTCAGGGtacgctATGGCCTCAGGG
9284	DNA; Synthetic Construct	CCCTCAGGGCAAtgctttCCCTCAGGGCAAtgatctCCCTCAGGGCAAtacgctCCC TCAGGGCAAtgccgctCCCTCAGGGCAAtgctttCCCTCAGGGCAAtgatctCCCTC AGGGCAAtacgctCCCTCAGGGCAA
9285	DNA; Synthetic Construct	TTGCCCTGAGGGtgctttTTGCCCTGAGGGtgatctTTGCCCTGAGGGtacgctTTG CCCTGAGGGtgccgctTTGCCCTGAGGGtgctttTTGCCCTGAGGGtgatctTTGCC CTGAGGGtacgctTTGCCCTGAGGG
9286	DNA; Synthetic Construct	CCCTCAGGGCATtgctttCCCTCAGGGCATtgatctCCCTCAGGGCATtacgctCCC TCAGGGCATtgccgctCCCTCAGGGCATtgctttCCCTCAGGGCATtgatctCCCTC AGGGCATtacgctCCCTCAGGGCAT
9287	DNA; Synthetic Construct	ATGCCCTGAGGGtgctttATGCCCTGAGGGtgatctATGCCCTGAGGGtacgctATG CCCTGAGGGtgccgctATGCCCTGAGGGtgctttATGCCCTGAGGGtgatctATGCC CTGAGGGtacgctATGCCCTGAGGG
9288	DNA; Synthetic Construct	CCCTCAGGCCAAtgctttCCCTCAGGCCAAtgatctCCCTCAGGCCAAtacgctCCC TCAGGCCAAtgccgctCCCTCAGGCCAAtgctttCCCTCAGGCCAAtgatctCCCTC AGGCCAAtacgctCCCTCAGGCCAA
9289	DNA; Synthetic Construct	TTGGCCTGAGGGtgctttTTGGCCTGAGGGtgatctTTGGCCTGAGGGtacgctTTG GCCTGAGGGtgccgctTTGGCCTGAGGGtgctttTTGGCCTGAGGGtgatctTTGGC CTGAGGGtacgctTTGGCCTGAGGG
9290	DNA; Synthetic Construct	CCCTCAGGCCATtgctttCCCTCAGGCCATtgatctCCCTCAGGCCATtacgctCCC TCAGGCCATtgccgctCCCTCAGGCCATtgctttCCCTCAGGCCATtgatctCCCTC AGGCCATtacgctCCCTCAGGCCAT
9291	DNA; Synthetic Construct	ATGGCCTGAGGGtgctttATGGCCTGAGGGtgatctATGGCCTGAGGGtacgctATG GCCTGAGGGtgccgctATGGCCTGAGGGtgctttATGGCCTGAGGGtgatctATGGC CTGAGGGtacgctATGGCCTGAGGG
9292	DNA; Synthetic Construct	AACATGAAAAACCATGTAtacgctAACATGAAAAACCATGTAtgccgctAACATGAA AAACCATGTAtgctttAACATGAAAAACCATGTAtgatctAACATGAAAAACCATGT AtacgctAACATGAAAAACCATGTA
9293	DNA; Synthetic Construct	TACATGGTTTTTCATGTTtacgctTACATGGTTTTTCATGTTtgccgctTACATGGT TTTTCATGTTtgctttTACATGGTTTTTCATGTTtgatctTACATGGTTTTTCATGT TtacgctTACATGGTTTTTCATGTT
9294	DNA; Synthetic Construct	AACATGAAAAACCATGTTtacgctAACATGAAAAACCATGTTtgccgctAACATGAA AAACCATGTTtgctttAACATGAAAAACCATGTTtgatctAACATGAAAAACCATGT TtacgctAACATGAAAAACCATGTT
9295	DNA; Synthetic Construct	AACATGGTTTTTCATGTTtacgctAACATGGTTTTTCATGTTtgccgctAACATGGT TTTTCATGTTtgctttAACATGGTTTTTCATGTTtgatctAACATGGTTTTTCATGT TtacgctAACATGGTTTTTCATGTT

9296	DNA; Synthetic Construct	AACATGAAAATCCATGTAtacgctAACATGAAAATCCATGTAtgccgctAACATGAA AATCCATGTAtgctttAACATGAAAATCCATGTAtgatctAACATGAAAATCCATGT AtacgctAACATGAAAATCCATGTA
9297	DNA; Synthetic Construct	TACATGGATTTTCATGTTtacgctTACATGGATTTTCATGTTtgccgctTACATGGA TTTTCATGTTtgctttTACATGGATTTTCATGTTtgatctTACATGGATTTTCATGT TtacgctTACATGGATTTTCATGTT
9298	DNA; Synthetic Construct	AACATGAAAATCCATGTTtacgctAACATGAAAATCCATGTTtgccgctAACATGAA AATCCATGTTtgctttAACATGAAAATCCATGTTtgatctAACATGAAAATCCATGT TtacgctAACATGAAAATCCATGTT
9299	DNA; Synthetic Construct	AACATGGATTTTCATGTTtacgctAACATGGATTTTCATGTTtgccgctAACATGGA TTTTCATGTTtgctttAACATGGATTTTCATGTTtgatctAACATGGATTTTCATGT TtacgctAACATGGATTTTCATGTT
9300	DNA; Synthetic Construct	AACATGAAATACCATGTAtacgctAACATGAAATACCATGTAtgccgctAACATGAA ATACCATGTAtgctttAACATGAAATACCATGTAtgatctAACATGAAATACCATGT AtacgctAACATGAAATACCATGTA
9301	DNA; Synthetic Construct	TACATGGTATTTCATGTTtacgctTACATGGTATTTCATGTTtgccgctTACATGGT ATTTCATGTTtgctttTACATGGTATTTCATGTTtgatctTACATGGTATTTCATGT TtacgctTACATGGTATTTCATGTT
9302	DNA; Synthetic Construct	AACATGAAATACCATGTTtacgctAACATGAAATACCATGTTtgccgctAACATGAA ATACCATGTTtgctttAACATGAAATACCATGTTtgatctAACATGAAATACCATGT TtacgctAACATGAAATACCATGTT
9303	DNA; Synthetic Construct	AACATGGTATTTCATGTTtacgctAACATGGTATTTCATGTTtgccgctAACATGGT ATTTCATGTTtgctttAACATGGTATTTCATGTTtgatctAACATGGTATTTCATGT TtacgctAACATGGTATTTCATGTT
9304	DNA; Synthetic Construct	AACATGAAATTCCATGTAtacgctAACATGAAATTCCATGTAtgccgctAACATGAA ATTCCATGTAtgctttAACATGAAATTCCATGTAtgatctAACATGAAATTCCATGT AtacgctAACATGAAATTCCATGTA
9305	DNA; Synthetic Construct	TACATGGAATTTCATGTTtacgctTACATGGAATTTCATGTTtgccgctTACATGGA ATTTCATGTTtgctttTACATGGAATTTCATGTTtgatctTACATGGAATTTCATGT TtacgctTACATGGAATTTCATGTT
9306	DNA; Synthetic Construct	AACATGAAATTCCATGTTtacgctAACATGAAATTCCATGTTtgccgctAACATGAA ATTCCATGTTtgctttAACATGAAATTCCATGTTtgatctAACATGAAATTCCATGT TtacgctAACATGAAATTCCATGTT
9307	DNA; Synthetic Construct	AACATGGAATTTCATGTTtacgctAACATGGAATTTCATGTTtgccgctAACATGGA ATTTCATGTTtgctttAACATGGAATTTCATGTTtgatctAACATGGAATTTCATGT TtacgctAACATGGAATTTCATGTT
9308	DNA; Synthetic Construct	AACATGAATAACCATGTAtacgctAACATGAATAACCATGTAtgccgctAACATGAA TAACCATGTAtgctttAACATGAATAACCATGTAtgatctAACATGAATAACCATGT AtacgctAACATGAATAACCATGTA
9309	DNA; Synthetic Construct	TACATGGTTATTCATGTTtacgctTACATGGTTATTCATGTTtgccgctTACATGGT TATTCATGTTtgctttTACATGGTTATTCATGTTtgatctTACATGGTTATTCATGT TtacgctTACATGGTTATTCATGTT
9310	DNA; Synthetic Construct	AACATGAATAACCATGTTtacgctAACATGAATAACCATGTTtgccgctAACATGAA TAACCATGTTtgctttAACATGAATAACCATGTTtgatctAACATGAATAACCATGT TtacgctAACATGAATAACCATGTT
9311	DNA; Synthetic Construct	AACATGGTTATTCATGTTtacgctAACATGGTTATTCATGTTtgccgctAACATGGT TATTCATGTTtgctttAACATGGTTATTCATGTTtgatctAACATGGTTATTCATGT TtacgctAACATGGTTATTCATGTT
9312	DNA; Synthetic Construct	AACATGAATATCCATGTAtacgctAACATGAATATCCATGTAtgccgctAACATGAA TATCCATGTAtgctttAACATGAATATCCATGTAtgatctAACATGAATATCCATGT AtacgctAACATGAATATCCATGTA
9313	DNA; Synthetic Construct	TACATGGATATTCATGTTtacgctTACATGGATATTCATGTTtgccgctTACATGGA TATTCATGTTtgctttTACATGGATATTCATGTTtgatctTACATGGATATTCATGT TtacgctTACATGGATATTCATGTT

9314	DNA; Synthetic Construct	AACATGAATATCCATGTTtacgctAACATGAATATCCATGTTtgccgctAACATGAA TATCCATGTTtgctttAACATGAATATCCATGTTtgatctAACATGAATATCCATGT TtacgctAACATGAATATCCATGTT
9315	DNA; Synthetic Construct	AACATGGATATTCATGTTtacgctAACATGGATATTCATGTTtgccgctAACATGGA TATTCATGTTtgctttAACATGGATATTCATGTTtgatctAACATGGATATTCATGT TtacgctAACATGGATATTCATGTT
9316	DNA; Synthetic Construct	AACATGAATTACCATGTAtacgctAACATGAATTACCATGTAtgccgctAACATGAA TTACCATGTAtgctttAACATGAATTACCATGTAtgatctAACATGAATTACCATGT AtacgctAACATGAATTACCATGTA
9317	DNA; Synthetic Construct	TACATGGTAATTCATGTTtacgcttACATGGTAATTCATGTTtgccgctTACATGGT AATTCATGTTtgctttTACATGGTAATTCATGTTtgatctTACATGGTAATTCATGT TtacgctTACATGGTAATTCATGTT
9318	DNA; Synthetic Construct	AACATGAATTACCATGTTtacgctAACATGAATTACCATGTTtgccgctAACATGAA TTACCATGTTtgctttAACATGAATTACCATGTTtgatctAACATGAATTACCATGT TtacgctAACATGAATTACCATGTT
9319	DNA; Synthetic Construct	AACATGGTAATTCATGTTtacgctAACATGGTAATTCATGTTtgccgctAACATGGT AATTCATGTTtgctttAACATGGTAATTCATGTTtgatctAACATGGTAATTCATGT TtacgctAACATGGTAATTCATGTT
9320	DNA; Synthetic Construct	AACATGAATTTCCATGTAtacgctAACATGAATTTCCATGTAtgccgctAACATGAA TTTCCATGTAtgctttAACATGAATTTCCATGTAtgatctAACATGAATTTCCATGT AtacgctAACATGAATTTCCATGTA
9321	DNA; Synthetic Construct	TACATGGAAATTCATGTTtacgcttACATGGAAATTCATGTTtgccgctTACATGGA AATTCATGTTtgctttTACATGGAAATTCATGTTtgatctTACATGGAAATTCATGT TtacgctTACATGGAAATTCATGTT
9322	DNA; Synthetic Construct	AACATGAATTTCCATGTTtacgctAACATGAATTTCCATGTTtgccgctAACATGAA TTTCCATGTTtgctttAACATGAATTTCCATGTTtgatctAACATGAATTTCCATGT TtacgctAACATGAATTTCCATGTT
9323	DNA; Synthetic Construct	AACATGGAAATTCATGTTtacgctAACATGGAAATTCATGTTtgccgctAACATGGA AATTCATGTTtgctttAACATGGAAATTCATGTTtgatctAACATGGAAATTCATGT TtacgctAACATGGAAATTCATGTT
9324	DNA; Synthetic Construct	AACATGATAAACCATGTAtacgctAACATGATAAACCATGTAtgccgctAACATGAT AAACCATGTAtgctttAACATGATAAACCATGTAtgatctAACATGATAAACCATGT AtacgctAACATGATAAACCATGTA
9325	DNA; Synthetic Construct	TACATGGTTTATCATGTTtacgcttACATGGTTTATCATGTTtgccgctTACATGGT TTATCATGTTtgctttTACATGGTTTATCATGTTtgatctTACATGGTTTATCATGT TtacgctTACATGGTTTATCATGTT
9326	DNA; Synthetic Construct	AACATGATAAACCATGTTtacgctAACATGATAAACCATGTTtgccgctAACATGAT AAACCATGTTtgctttAACATGATAAACCATGTTtgatctAACATGATAAACCATGT TtacgctAACATGATAAACCATGTT
9327	DNA; Synthetic Construct	AACATGGTTTATCATGTTtacgctAACATGGTTTATCATGTTtgccgctAACATGGT TTATCATGTTtgctttAACATGGTTTATCATGTTtgatctAACATGGTTTATCATGT TtacgctAACATGGTTTATCATGTT
9328	DNA; Synthetic Construct	AACATGATAATCCATGTAtacgctAACATGATAATCCATGTAtgccgctAACATGAT AATCCATGTAtgctttAACATGATAATCCATGTAtgatctAACATGATAATCCATGT AtacgctAACATGATAATCCATGTA
9329	DNA; Synthetic Construct	TACATGGATTATCATGTTtacgcttACATGGATTATCATGTTtgccgctTACATGGA TTATCATGTTtgctttTACATGGATTATCATGTTtgatctTACATGGATTATCATGT TtacgctTACATGGATTATCATGTT
9330	DNA; Synthetic Construct	AACATGATAATCCATGTTtacgctAACATGATAATCCATGTTtgccgctAACATGAT AATCCATGTTtgctttAACATGATAATCCATGTTtgatctAACATGATAATCCATGT TtacgctAACATGATAATCCATGTT
9331	DNA; Synthetic Construct	AACATGGATTATCATGTTtacgctAACATGGATTATCATGTTtgccgctAACATGGA TTATCATGTTtgctttAACATGGATTATCATGTTtgatctAACATGGATTATCATGT TtacgctAACATGGATTATCATGTT

9332	DNA; Synthetic Construct	AACATGATATACCATGTAtacgctAACATGATATACCATGTAtgccgctAACATGAT ATACCATGTAtgctttAACATGATATACCATGTAtgatctAACATGATATACCATGT AtacgctAACATGATATACCATGTA
9333	DNA; Synthetic Construct	TACATGGTATATCATGTTtacgcttTACATGGTATATCATGTTtgccgctTACATGGT ATATCATGTTtgctttTACATGGTATATCATGTTtgatcttACATGGTATATCATGT TtacgctTACATGGTATATCATGTT
9334	DNA; Synthetic Construct	AACATGATATACCATGTTtacgctAACATGATATACCATGTTtgccgctAACATGAT ATACCATGTTtgctttAACATGATATACCATGTTtgatctAACATGATATACCATGT TtacgctAACATGATATACCATGTT
9335	DNA; Synthetic Construct	AACATGGTATATCATGTTtacgctAACATGGTATATCATGTTtgccgctAACATGGT ATATCATGTTtgctttAACATGGTATATCATGTTtgatctAACATGGTATATCATGT TtacgctAACATGGTATATCATGTT
9336	DNA; Synthetic Construct	AACATGATATTCCATGTAtacgctAACATGATATTCCATGTAtgccgctAACATGAT ATTCCATGTAtgctttAACATGATATTCCATGTAtgatctAACATGATATTCCATGT AtacgctAACATGATATTCCATGTA
9337	DNA; Synthetic Construct	TACATGGAATATCATGTTtacgcttACATGGAATATCATGTTtgccgctTACATGGA ATATCATGTTtgctttTACATGGAATATCATGTTtgatcttACATGGAATATCATGT TtacgctTACATGGAATATCATGTT
9338	DNA; Synthetic Construct	AACATGATATTCCATGTTtacgctAACATGATATTCCATGTTtgccgctAACATGAT ATTCCATGTTtgctttAACATGATATTCCATGTTtgatctAACATGATATTCCATGT TtacgctAACATGATATTCCATGTT
9339	DNA; Synthetic Construct	AACATGGAATATCATGTTtacgctAACATGGAATATCATGTTtgccgctAACATGGA ATATCATGTTtgctttAACATGGAATATCATGTTtgatctAACATGGAATATCATGT TtacgctAACATGGAATATCATGTT
9340	DNA; Synthetic Construct	AACATGATTAACCATGTAtacgctAACATGATTAACCATGTAtgccgctAACATGAT TAACCATGTAtgctttAACATGATTAACCATGTAtgatctAACATGATTAACCATGT AtacgctAACATGATTAACCATGTA
9341	DNA; Synthetic Construct	TACATGGTTAATCATGTTtacgcttACATGGTTAATCATGTTtgccgctTACATGGT TAATCATGTTtgctttTACATGGTTAATCATGTTtgatcttACATGGTTAATCATGT TtacgctTACATGGTTAATCATGTT
9342	DNA; Synthetic Construct	AACATGATTAACCATGTTtacgctAACATGATTAACCATGTTtgccgctAACATGAT TAACCATGTTtgctttAACATGATTAACCATGTTtgatctAACATGATTAACCATGT TtacgctAACATGATTAACCATGTT
9343	DNA; Synthetic Construct	AACATGGTTAATCATGTTtacgctAACATGGTTAATCATGTTtgccgctAACATGGT TAATCATGTTtgctttAACATGGTTAATCATGTTtgatctAACATGGTTAATCATGT TtacgctAACATGGTTAATCATGTT
9344	DNA; Synthetic Construct	AACATGATTATCCATGTAtacgctAACATGATTATCCATGTAtgccgctAACATGAT TATCCATGTAtgctttAACATGATTATCCATGTAtgatctAACATGATTATCCATGT AtacgctAACATGATTATCCATGTA
9345	DNA; Synthetic Construct	TACATGGATAATCATGTTtacgcttACATGGATAATCATGTTtgccgctTACATGGA TAATCATGTTtgctttTACATGGATAATCATGTTtgatcttACATGGATAATCATGT TtacgctTACATGGATAATCATGTT
9346	DNA; Synthetic Construct	AACATGATTATCCATGTTtacgctAACATGATTATCCATGTTtgccgctAACATGAT TATCCATGTTtgctttAACATGATTATCCATGTTtgatctAACATGATTATCCATGT TtacgctAACATGATTATCCATGTT
9347	DNA; Synthetic Construct	AACATGGATAATCATGTTtacgctAACATGGATAATCATGTTtgccgctAACATGGA TAATCATGTTtgctttAACATGGATAATCATGTTtgatctAACATGGATAATCATGT TtacgctAACATGGATAATCATGTT
9348	DNA; Synthetic Construct	AACATGATTTACCATGTAtacgctAACATGATTTACCATGTAtgccgctAACATGAT TTACCATGTAtgctttAACATGATTTACCATGTAtgatctAACATGATTTACCATGT AtacgctAACATGATTTACCATGTA
9349	DNA; Synthetic Construct	TACATGGTAAATCATGTTtacgcttACATGGTAAATCATGTTtgccgctTACATGGT AAATCATGTTtgctttTACATGGTAAATCATGTTtgatcttACATGGTAAATCATGT TtacgctTACATGGTAAATCATGTT

9350	DNA; Synthetic Construct	AACATGATTTACCATGTTtacgctAACATGATTTACCATGTTtgccgctAACATGAT TTACCATGTTtgctttAACATGATTTACCATGTTtgatctAACATGATTTACCATGT TtacgctAACATGATTTACCATGTT
9351	DNA; Synthetic Construct	AACATGGTAAATCATGTTtacgctAACATGGTAAATCATGTTtgccgctAACATGGT AAATCATGTTtgctttAACATGGTAAATCATGTTtgatctAACATGGTAAATCATGT TtacgctAACATGGTAAATCATGTT
9352	DNA; Synthetic Construct	AACATGATTTTCCATGTAtacgctAACATGATTTTCCATGTAtgccgctAACATGAT TTTCCATGTAtgctttAACATGATTTTCCATGTAtgatctAACATGATTTTCCATGT AtacgctAACATGATTTTCCATGTA
9353	DNA; Synthetic Construct	TACATGGAAAATCATGTTtacgctTACATGGAAAATCATGTTtgccgctTACATGGA AAATCATGTTtgctttTACATGGAAAATCATGTTtgatctTACATGGAAAATCATGT TtacgctTACATGGAAAATCATGTT
9354	DNA; Synthetic Construct	AACATGATTTTCCATGTTtacgctAACATGATTTTCCATGTTtgccgctAACATGAT TTTCCATGTTtgctttAACATGATTTTCCATGTTtgatctAACATGATTTTCCATGT TtacgctAACATGATTTTCCATGTT
9355	DNA; Synthetic Construct	AACATGGAAAATCATGTTtacgctAACATGGAAAATCATGTTtgccgctAACATGGA AAATCATGTTtgctttAACATGGAAAATCATGTTtgatctAACATGGAAAATCATGT TtacgctAACATGGAAAATCATGTT
9356	DNA; Synthetic Construct	TACATGAAAAACCATGTAtacgctTACATGAAAAACCATGTAtgccgctTACATGAA AAACCATGTAtgctttTACATGAAAAACCATGTAtgatctTACATGAAAAACCATGT AtacgctTACATGAAAAACCATGTA
9357	DNA; Synthetic Construct	TACATGGTTTTTCATGTAtacgctTACATGGTTTTTCATGTAtgccgctTACATGGT TTTTCATGTAtgctttTACATGGTTTTTCATGTAtgatctTACATGGTTTTTCATGT AtacgctTACATGGTTTTTCATGTA
9358	DNA; Synthetic Construct	TACATGAAAAACCATGTTtacgctTACATGAAAAACCATGTTtgccgctTACATGAA AAACCATGTTtgctttTACATGAAAAACCATGTTtgatctTACATGAAAAACCATGT TtacgctTACATGAAAAACCATGTT
9359	DNA; Synthetic Construct	AACATGGTTTTTCATGTAtacgctAACATGGTTTTTCATGTAtgccgctAACATGGT TTTTCATGTAtgctttAACATGGTTTTTCATGTAtgatctAACATGGTTTTTCATGT AtacgctAACATGGTTTTTCATGTA
9360	DNA; Synthetic Construct	TACATGAAAATCCATGTAtacgctTACATGAAAATCCATGTAtgccgctTACATGAA AATCCATGTAtgctttTACATGAAAATCCATGTAtgatctTACATGAAAATCCATGT AtacgctTACATGAAAATCCATGTA
9361	DNA; Synthetic Construct	TACATGGATTTTCATGTAtacgctTACATGGATTTTCATGTAtgccgctTACATGGA TTTTCATGTAtgctttTACATGGATTTTCATGTAtgatctTACATGGATTTTCATGT AtacgctTACATGGATTTTCATGTA
9362	DNA; Synthetic Construct	TACATGAAAATCCATGTTtacgctTACATGAAAATCCATGTTtgccgctTACATGAA AATCCATGTTtgctttTACATGAAAATCCATGTTtgatctTACATGAAAATCCATGT TtacgctTACATGAAAATCCATGTT
9363	DNA; Synthetic Construct	AACATGGATTTTCATGTAtacgctAACATGGATTTTCATGTAtgccgctAACATGGA TTTTCATGTAtgctttAACATGGATTTTCATGTAtgatctAACATGGATTTTCATGT AtacgctAACATGGATTTTCATGTA
9364	DNA; Synthetic Construct	TACATGAAATACCATGTAtacgctTACATGAAATACCATGTAtgccgctTACATGAA ATACCATGTAtgctttTACATGAAATACCATGTAtgatctTACATGAAATACCATGT AtacgctTACATGAAATACCATGTA
9365	DNA; Synthetic Construct	TACATGGTATTTCATGTAtacgctTACATGGTATTTCATGTAtgccgctTACATGGT ATTTCATGTAtgctttTACATGGTATTTCATGTAtgatctTACATGGTATTTCATGT AtacgctTACATGGTATTTCATGTA
9366	DNA; Synthetic Construct	TACATGAAATACCATGTTtacgctTACATGAAATACCATGTTtgccgctTACATGAA ATACCATGTTtgctttTACATGAAATACCATGTTtgatctTACATGAAATACCATGT TtacgctTACATGAAATACCATGTT
9367	DNA; Synthetic Construct	AACATGGTATTTCATGTAtacgctAACATGGTATTTCATGTAtgccgctAACATGGT ATTTCATGTAtgctttAACATGGTATTTCATGTAtgatctAACATGGTATTTCATGT AtacgctAACATGGTATTTCATGTA

9368	DNA; Synthetic Construct	TACATGAAATTCCATGTAtacgctTACATGAAATTCCATGTAtgccgctTACATGAA ATTCCATGTAtgctttTACATGAAATTCCATGTAtgatctTACATGAAATTCCATGT AtacgctTACATGAAATTCCATGTA
9369	DNA; Synthetic Construct	TACATGGAATTTCATGTAtacgctTACATGGAATTTCATGTAtgccgctTACATGGA ATTTCATGTAtgctttTACATGGAATTTCATGTAtgatctTACATGGAATTTCATGT AtacgctTACATGGAATTTCATGTA
9370	DNA; Synthetic Construct	TACATGAAATTCCATGTTtacgctTACATGAAATTCCATGTTtgccgctTACATGAA ATTCCATGTTtgctttTACATGAAATTCCATGTTtgatctTACATGAAATTCCATGT TtacgctTACATGAAATTCCATGTT
9371	DNA; Synthetic Construct	AACATGGAATTTCATGTAtacgctAACATGGAATTTCATGTAtgccgctAACATGGA ATTTCATGTAtgctttAACATGGAATTTCATGTAtgatctAACATGGAATTTCATGT AtacgctAACATGGAATTTCATGTA
9372	DNA; Synthetic Construct	TACATGAATAACCATGTAtacgctTACATGAATAACCATGTAtgccgctTACATGAA TAACCATGTAtgctttTACATGAATAACCATGTAtgatctTACATGAATAACCATGT AtacgctTACATGAATAACCATGTA
9373	DNA; Synthetic Construct	TACATGGTTATTCATGTAtacgctTACATGGTTATTCATGTAtgccgctTACATGGT TATTCATGTAtgctttTACATGGTTATTCATGTAtgatctTACATGGTTATTCATGT AtacgctTACATGGTTATTCATGTA
9374	DNA; Synthetic Construct	TACATGAATAACCATGTTtacgctTACATGAATAACCATGTTtgccgctTACATGAA TAACCATGTTtgctttTACATGAATAACCATGTTtgatctTACATGAATAACCATGT TtacgctTACATGAATAACCATGTT
9375	DNA; Synthetic Construct	AACATGGTTATTCATGTAtacgctAACATGGTTATTCATGTAtgccgctAACATGGT TATTCATGTAtgctttAACATGGTTATTCATGTAtgatctAACATGGTTATTCATGT AtacgctAACATGGTTATTCATGTA
9376	DNA; Synthetic Construct	TACATGAATATCCATGTAtacgctTACATGAATATCCATGTAtgccgctTACATGAA TATCCATGTAtgctttTACATGAATATCCATGTAtgatctTACATGAATATCCATGT AtacgctTACATGAATATCCATGTA
9377	DNA; Synthetic Construct	TACATGGATATTCATGTAtacgctTACATGGATATTCATGTAtgccgctTACATGGA TATTCATGTAtgctttTACATGGATATTCATGTAtgatctTACATGGATATTCATGT AtacgctTACATGGATATTCATGTA
9378	DNA; Synthetic Construct	TACATGAATATCCATGTTtacgctTACATGAATATCCATGTTtgccgctTACATGAA TATCCATGTTtgctttTACATGAATATCCATGTTtgatctTACATGAATATCCATGT TtacgctTACATGAATATCCATGTT
9379	DNA; Synthetic Construct	AACATGGATATTCATGTAtacgctAACATGGATATTCATGTAtgccgctAACATGGA TATTCATGTAtgctttAACATGGATATTCATGTAtgatctAACATGGATATTCATGT AtacgctAACATGGATATTCATGTA
9380	DNA; Synthetic Construct	TACATGAATTACCATGTAtacgctTACATGAATTACCATGTAtgccgctTACATGAA TTACCATGTAtgctttTACATGAATTACCATGTAtgatctTACATGAATTACCATGT AtacgctTACATGAATTACCATGTA
9381	DNA; Synthetic Construct	TACATGGTAATTCATGTAtacgctTACATGGTAATTCATGTAtgccgctTACATGGT AATTCATGTAtgctttTACATGGTAATTCATGTAtgatctTACATGGTAATTCATGT AtacgctTACATGGTAATTCATGTA
9382	DNA; Synthetic Construct	TACATGAATTACCATGTTtacgctTACATGAATTACCATGTTtgccgctTACATGAA TTACCATGTTtgctttTACATGAATTACCATGTTtgatctTACATGAATTACCATGT TtacgctTACATGAATTACCATGTT
9383	DNA; Synthetic Construct	AACATGGTAATTCATGTAtacgctAACATGGTAATTCATGTAtgccgctAACATGGT AATTCATGTAtgctttAACATGGTAATTCATGTAtgatctAACATGGTAATTCATGT AtacgctAACATGGTAATTCATGTA
9384	DNA; Synthetic Construct	TACATGAATTTCCATGTAtacgctTACATGAATTTCCATGTAtgccgctTACATGAA TTTCCATGTAtgctttTACATGAATTTCCATGTAtgatctTACATGAATTTCCATGT AtacgctTACATGAATTTCCATGTA
9385	DNA; Synthetic Construct	TACATGGAAATTCATGTAtacgctTACATGGAAATTCATGTAtgccgctTACATGGA AATTCATGTAtgctttTACATGGAAATTCATGTAtgatctTACATGGAAATTCATGT AtacgctTACATGGAAATTCATGTA

9386	DNA; Synthetic Construct	TACATGAATTTCCATGTTtacgctTACATGAATTTCCATGTTtgccgctTACATGAA TTTCCATGTTtgctttTACATGAATTTCCATGTTtgatctTACATGAATTTCCATGT TtacgctTACATGAATTTCCATGTT
9387	DNA; Synthetic Construct	AACATGGAAATTCATGTAtacgctAACATGGAAATTCATGTAtgccgctAACATGGA AATTCATGTAtgctttAACATGGAAATTCATGTAtgatctAACATGGAAATTCATGT AtacgctAACATGGAAATTCATGTA
9388	DNA; Synthetic Construct	TACATGATAAACCATGTAtacgctTACATGATAAACCATGTAtgccgctTACATGAT AAACCATGTAtgctttTACATGATAAACCATGTAtgatctTACATGATAAACCATGT AtacgctTACATGATAAACCATGTA
9389	DNA; Synthetic Construct	TACATGGTTTATCATGTAtacgctTACATGGTTTATCATGTAtgccgctTACATGGT TTATCATGTAtgctttTACATGGTTTATCATGTAtgatctTACATGGTTTATCATGT AtacgctTACATGGTTTATCATGTA
9390	DNA; Synthetic Construct	TACATGATAAACCATGTTtacgctTACATGATAAACCATGTTtgccgctTACATGAT AAACCATGTTtgctttTACATGATAAACCATGTTtgatctTACATGATAAACCATGT TtacgctTACATGATAAACCATGTT
9391	DNA; Synthetic Construct	AACATGGTTTATCATGTAtacgctAACATGGTTTATCATGTAtgccgctAACATGGT TTATCATGTAtgctttAACATGGTTTATCATGTAtgatctAACATGGTTTATCATGT AtacgctAACATGGTTTATCATGTA
9392	DNA; Synthetic Construct	TACATGATAATCCATGTAtacgctTACATGATAATCCATGTAtgccgctTACATGAT AATCCATGTAtgctttTACATGATAATCCATGTAtgatctTACATGATAATCCATGT AtacgctTACATGATAATCCATGTA
9393	DNA; Synthetic Construct	TACATGGATTATCATGTAtacgctTACATGGATTATCATGTAtgccgctTACATGGA TTATCATGTAtgctttTACATGGATTATCATGTAtgatctTACATGGATTATCATGT AtacgctTACATGGATTATCATGTA
9394	DNA; Synthetic Construct	TACATGATAATCCATGTTtacgctTACATGATAATCCATGTTtgccgctTACATGAT AATCCATGTTtgctttTACATGATAATCCATGTTtgatctTACATGATAATCCATGT TtacgctTACATGATAATCCATGTT
9395	DNA; Synthetic Construct	AACATGGATTATCATGTAtacgctAACATGGATTATCATGTAtgccgctAACATGGA TTATCATGTAtgctttAACATGGATTATCATGTAtgatctAACATGGATTATCATGT AtacgctAACATGGATTATCATGTA
9396	DNA; Synthetic Construct	TACATGATATACCATGTAtacgctTACATGATATACCATGTAtgccgctTACATGAT ATACCATGTAtgctttTACATGATATACCATGTAtgatctTACATGATATACCATGT AtacgctTACATGATATACCATGTA
9397	DNA; Synthetic Construct	TACATGGTATATCATGTAtacgctTACATGGTATATCATGTAtgccgctTACATGGT ATATCATGTAtgctttTACATGGTATATCATGTAtgatctTACATGGTATATCATGT AtacgctTACATGGTATATCATGTA
9398	DNA; Synthetic Construct	TACATGATATACCATGTTtacgctTACATGATATACCATGTTtgccgctTACATGAT ATACCATGTTtgctttTACATGATATACCATGTTtgatctTACATGATATACCATGT TtacgctTACATGATATACCATGTT
9399	DNA; Synthetic Construct	AACATGGTATATCATGTAtacgctAACATGGTATATCATGTAtgccgctAACATGGT ATATCATGTAtgctttAACATGGTATATCATGTAtgatctAACATGGTATATCATGT AtacgctAACATGGTATATCATGTA
9400	DNA; Synthetic Construct	TACATGATATTCCATGTAtacgctTACATGATATTCCATGTAtgccgctTACATGAT ATTCCATGTAtgctttTACATGATATTCCATGTAtgatctTACATGATATTCCATGT AtacgctTACATGATATTCCATGTA
9401	DNA; Synthetic Construct	TACATGGAATATCATGTAtacgctTACATGGAATATCATGTAtgccgctTACATGGA ATATCATGTAtgctttTACATGGAATATCATGTAtgatctTACATGGAATATCATGT AtacgctTACATGGAATATCATGTA
9402	DNA; Synthetic Construct	TACATGATATTCCATGTTtacgctTACATGATATTCCATGTTtgccgctTACATGAT ATTCCATGTTtgctttTACATGATATTCCATGTTtgatctTACATGATATTCCATGT TtacgctTACATGATATTCCATGTT
9403	DNA; Synthetic Construct	AACATGGAATATCATGTAtacgctAACATGGAATATCATGTAtgccgctAACATGGA ATATCATGTAtgctttAACATGGAATATCATGTAtgatctAACATGGAATATCATGT AtacgctAACATGGAATATCATGTA

9404	DNA; Synthetic Construct	TACATGATTAACCATGTAtacgctTACATGATTAACCATGTAtgccgctTACATGAT TAACCATGTAtgctttTACATGATTAACCATGTAtgatctTACATGATTAACCATGT AtacgctTACATGATTAACCATGTA
9405	DNA; Synthetic Construct	TACATGGTTAATCATGTAtacgctTACATGGTTAATCATGTAtgccgctTACATGGT TAATCATGTAtgctttTACATGGTTAATCATGTAtgatctTACATGGTTAATCATGT AtacgctTACATGGTTAATCATGTA
9406	DNA; Synthetic Construct	TACATGATTAACCATGTTtacgctTACATGATTAACCATGTTtgccgctTACATGAT TAACCATGTTtgctttTACATGATTAACCATGTTtgatctTACATGATTAACCATGT TtacgctTACATGATTAACCATGTT
9407	DNA; Synthetic Construct	AACATGGTTAATCATGTAtacgctAACATGGTTAATCATGTAtgccgctAACATGGT TAATCATGTAtgctttAACATGGTTAATCATGTAtgatctAACATGGTTAATCATGT AtacgctAACATGGTTAATCATGTA
9408	DNA; Synthetic Construct	TACATGATTATCCATGTAtacgctTACATGATTATCCATGTAtgccgctTACATGAT TATCCATGTAtgctttTACATGATTATCCATGTAtgatctTACATGATTATCCATGT AtacgctTACATGATTATCCATGTA
9409	DNA; Synthetic Construct	TACATGGATAATCATGTAtacgctTACATGGATAATCATGTAtgccgctTACATGGA TAATCATGTAtgctttTACATGGATAATCATGTAtgatctTACATGGATAATCATGT AtacgctTACATGGATAATCATGTA
9410	DNA; Synthetic Construct	TACATGATTATCCATGTTtacgctTACATGATTATCCATGTTtgccgctTACATGAT TATCCATGTTtgctttTACATGATTATCCATGTTtgatctTACATGATTATCCATGT TtacgctTACATGATTATCCATGTT
9411	DNA; Synthetic Construct	AACATGGATAATCATGTAtacgctAACATGGATAATCATGTAtgccgctAACATGGA TAATCATGTAtgctttAACATGGATAATCATGTAtgatctAACATGGATAATCATGT AtacgctAACATGGATAATCATGTA
9412	DNA; Synthetic Construct	TACATGATTTACCATGTAtacgctTACATGATTTACCATGTAtgccgctTACATGAT TTACCATGTAtgctttTACATGATTTACCATGTAtgatctTACATGATTTACCATGT AtacgctTACATGATTTACCATGTA
9413	DNA; Synthetic Construct	TACATGGTAAATCATGTAtacgctTACATGGTAAATCATGTAtgccgctTACATGGT AAATCATGTAtgctttTACATGGTAAATCATGTAtgatctTACATGGTAAATCATGT AtacgctTACATGGTAAATCATGTA
9414	DNA; Synthetic Construct	TACATGATTTACCATGTTtacgctTACATGATTTACCATGTTtgccgctTACATGAT TTACCATGTTtgctttTACATGATTTACCATGTTtgatctTACATGATTTACCATGT TtacgctTACATGATTTACCATGTT
9415	DNA; Synthetic Construct	AACATGGTAAATCATGTAtacgctAACATGGTAAATCATGTAtgccgctAACATGGT AAATCATGTAtgctttAACATGGTAAATCATGTAtgatctAACATGGTAAATCATGT AtacgctAACATGGTAAATCATGTA
9416	DNA; Synthetic Construct	TACATGATTTTCCATGTAtacgctTACATGATTTTCCATGTAtgccgctTACATGAT TTTCCATGTAtgctttTACATGATTTTCCATGTAtgatctTACATGATTTTCCATGT AtacgctTACATGATTTTCCATGTA
9417	DNA; Synthetic Construct	TACATGGAAAATCATGTAtacgctTACATGGAAAATCATGTAtgccgctTACATGGA AAATCATGTAtgctttTACATGGAAAATCATGTAtgatctTACATGGAAAATCATGT AtacgctTACATGGAAAATCATGTA
9418	DNA; Synthetic Construct	TACATGATTTTCCATGTTtacgctTACATGATTTTCCATGTTtgccgctTACATGAT TTTCCATGTTtgctttTACATGATTTTCCATGTTtgatctTACATGATTTTCCATGT TtacgctTACATGATTTTCCATGTT
9419	DNA; Synthetic Construct	AACATGGAAAATCATGTAtacgctAACATGGAAAATCATGTAtgccgctAACATGGA AAATCATGTAtgctttAACATGGAAAATCATGTAtgatctAACATGGAAAATCATGT AtacgctAACATGGAAAATCATGTA
9420	DNA; Synthetic Construct	AGTTTCATTTTCCtgctttAGTTTCATTTTCCtgatctAGTTTCATTTTCCtacgct AGTTTCATTTTCCtgccgctAGTTTCATTTTCCtgctttAGTTTCATTTTCCtgatc tAGTTTCATTTTCCtacgctAGTTTCATTTTCC
9421	DNA; Synthetic Construct	GGAAAATGAAACTtgctttGGAAAATGAAACTtgatctGGAAAATGAAACTtacgct GGAAAATGAAACTtgccgctGGAAAATGAAACTtgctttGGAAAATGAAACTtgatc tGGAAAATGAAACTtacgctGGAAAATGAAACT

9422	DNA; Synthetic Construct	AGTTTCATTTTCTtgctttAGTTTCATTTTCTtgatctAGTTTCATTTTCTtacgct AGTTTCATTTTCTtgccgctAGTTTCATTTTCTtgctttAGTTTCATTTTCTtgatc tAGTTTCATTTTCTtacgctAGTTTCATTTTCT
9423	DNA; Synthetic Construct	AGAAAATGAAACTtgctttAGAAAATGAAACTtgatctAGAAAATGAAACTtacgct AGAAAATGAAACTtgccgctAGAAAATGAAACTtgctttAGAAAATGAAACTtgatc tAGAAAATGAAACTtacgctAGAAAATGAAACT
9424	DNA; Synthetic Construct	AGTTTCGTTTTCCtgctttAGTTTCGTTTTCCtgatctAGTTTCGTTTTCCtacgct AGTTTCGTTTTCCtgccgctAGTTTCGTTTTCCtgctttAGTTTCGTTTTCCtgatc tAGTTTCGTTTTCCtacgctAGTTTCGTTTTCC
9425	DNA; Synthetic Construct	GGAAAACGAAACTtgctttGGAAAACGAAACTtgatctGGAAAACGAAACTtacgct GGAAAACGAAACTtgccgctGGAAAACGAAACTtgctttGGAAAACGAAACTtgatc tGGAAAACGAAACTtacgctGGAAAACGAAACT
9426	DNA; Synthetic Construct	AGTTTCGTTTTCTtgctttAGTTTCGTTTTCTtgatctAGTTTCGTTTTCTtacgct AGTTTCGTTTTCTtgccgctAGTTTCGTTTTCTtgctttAGTTTCGTTTTCTtgatc tAGTTTCGTTTTCTtacgctAGTTTCGTTTTCT
9427	DNA; Synthetic Construct	AGAAAACGAAACTtgctttAGAAAACGAAACTtgatctAGAAAACGAAACTtacgct AGAAAACGAAACTtgccgctAGAAAACGAAACTtgctttAGAAAACGAAACTtgatc tAGAAAACGAAACTtacgctAGAAAACGAAACT
9428	DNA; Synthetic Construct	GAAAGTGAAAGTtgctttGAAAGTGAAAGTtgatctGAAAGTGAAAGTtacgctGAA AGTGAAAGTtgccgctGAAAGTGAAAGTtgctttGAAAGTGAAAGTtgatctGAAAG TGAAAGTtacgctGAAAGTGAAAGT
9429	DNA; Synthetic Construct	ACTTTCACTTTCtgctttACTTTCACTTTCtgatctACTTTCACTTTCtacgctACT TTCACTTTCtgccgctACTTTCACTTTCtgctttACTTTCACTTTCtgatctACTTT CACTTTCtacgctACTTTCACTTTC
9430	DNA; Synthetic Construct	GAAAGTGAAACTtgctttGAAAGTGAAACTtgatctGAAAGTGAAACTtacgctGAA AGTGAAACTtgccgctGAAAGTGAAACTtgctttGAAAGTGAAACTtgatctGAAAG TGAAACTtacgctGAAAGTGAAACT
9431	DNA; Synthetic Construct	AGTTTCACTTTCtgctttAGTTTCACTTTCtgatctAGTTTCACTTTCtacgctAGT TTCACTTTCtgccgctAGTTTCACTTTCtgctttAGTTTCACTTTCtgatctAGTTT CACTTTCtacgctAGTTTCACTTTC
9432	DNA; Synthetic Construct	GAAACTGAAAGTtgctttGAAACTGAAAGTtgatctGAAACTGAAAGTtacgctGAA ACTGAAAGTtgccgctGAAACTGAAAGTtgctttGAAACTGAAAGTtgatctGAAAC TGAAAGTtacgctGAAACTGAAAGT
9433	DNA; Synthetic Construct	ACTTTCAGTTTCtgctttACTTTCAGTTTCtgatctACTTTCAGTTTCtacgctACT TTCAGTTTCtgccgctACTTTCAGTTTCtgctttACTTTCAGTTTCtgatctACTTT CAGTTTCtacgctACTTTCAGTTTC
9434	DNA; Synthetic Construct	GAAACTGAAACTtgctttGAAACTGAAACTtgatctGAAACTGAAACTtacgctGAA ACTGAAACTtgccgctGAAACTGAAACTtgctttGAAACTGAAACTtgatctGAAAC TGAAACTtacgctGAAACTGAAACT
9435	DNA; Synthetic Construct	AGTTTCAGTTTCtgctttAGTTTCAGTTTCtgatctAGTTTCAGTTTCtacgctAGT TTCAGTTTCtgccgctAGTTTCAGTTTCtgctttAGTTTCAGTTTCtgatctAGTTT CAGTTTCtacgctAGTTTCAGTTTC
9436	DNA; Synthetic Construct	GGAAGTGAAAGTtgctttGGAAGTGAAAGTtgatctGGAAGTGAAAGTtacgctGGA AGTGAAAGTtgccgctGGAAGTGAAAGTtgctttGGAAGTGAAAGTtgatctGGAAG TGAAAGTtacgctGGAAGTGAAAGT
9437	DNA; Synthetic Construct	ACTTTCACTTCCtgctttACTTTCACTTCCtgatctACTTTCACTTCCtacgctACT TTCACTTCCtgccgctACTTTCACTTCCtgctttACTTTCACTTCCtgatctACTTT CACTTCCtacgctACTTTCACTTCC
9438	DNA; Synthetic Construct	GGAAGTGAAACTtgctttGGAAGTGAAACTtgatctGGAAGTGAAACTtacgctGGA AGTGAAACTtgccgctGGAAGTGAAACTtgctttGGAAGTGAAACTtgatctGGAAG TGAAACTtacgctGGAAGTGAAACT
9439	DNA; Synthetic Construct	AGTTTCACTTCCtgctttAGTTTCACTTCCtgatctAGTTTCACTTCCtacgctAGT TTCACTTCCtgccgctAGTTTCACTTCCtgctttAGTTTCACTTCCtgatctAGTTT CACTTCCtacgctAGTTTCACTTCC

9440	DNA; Synthetic Construct	GGAACTGAAAGTtgctttGGAACTGAAAGTtgatctGGAACTGAAAGTtacgctGGA ACTGAAAGTtgccgctGGAACTGAAAGTtgctttGGAACTGAAAGTtgatctGGAAC TGAAAGTtacgctGGAACTGAAAGT
9441	DNA; Synthetic Construct	ACTTTCAGTTCCtgctttACTTTCAGTTCCtgatctACTTTCAGTTCCtacgctACT TTCAGTTCCtgccgctACTTTCAGTTCCtgctttACTTTCAGTTCCtgatctACTTT CAGTTCCtacgctACTTTCAGTTCC
9442	DNA; Synthetic Construct	GGAACTGAAACTtgctttGGAACTGAAACTtgatctGGAACTGAAACTtacgctGGA ACTGAAACTtgccgctGGAACTGAAACTtgctttGGAACTGAAACTtgatctGGAAC TGAAACTtacgctGGAACTGAAACT
9443	DNA; Synthetic Construct	AGTTTCAGTTCCtgctttAGTTTCAGTTCCtgatctAGTTTCAGTTCCtacgctAGT TTCAGTTCCtgccgctAGTTTCAGTTCCtgctttAGTTTCAGTTCCtgatctAGTTT CAGTTCCtacgctAGTTTCAGTTCC
9444	DNA; Synthetic Construct	ATTTTCCATTtgccgctATTTTCCATTtgctttATTTTCCATTtgatctATTTTCCA TTtacgctATTTTCCATTtgccgctATTTTCCATTtgctttATTTTCCATTtgatct ATTTTCCATTtacgctATTTTCCATT
9445	DNA; Synthetic Construct	AATGGAAAATtgccgctAATGGAAAATtgctttAATGGAAAATtgatctAATGGAAA ATtacgctAATGGAAAATtgccgctAATGGAAAATtgctttAATGGAAAATtgatct AATGGAAAATtacgctAATGGAAAAT
9446	DNA; Synthetic Construct	GGAAGTGAAAGTtgctttGGAAGTGAAAGTtgatctGGAAGTGAAAGTtacgctGGA AGTGAAAGTtgccgctGGAAGTGAAAGTtgctttGGAAGTGAAAGTtgatctGGAAG TGAAAGTtacgctGGAAGTGAAAGT
9447	DNA; Synthetic Construct	ACTTTCACTTCCtgctttACTTTCACTTCCtgatctACTTTCACTTCCtacgctACT TTCACTTCCtgccgctACTTTCACTTCCtgctttACTTTCACTTCCtgatctACTTT CACTTCCtacgctACTTTCACTTCC
9448	DNA; Synthetic Construct	GGAAGTGAAACTtgctttGGAAGTGAAACTtgatctGGAAGTGAAACTtacgctGGA AGTGAAACTtgccgctGGAAGTGAAACTtgctttGGAAGTGAAACTtgatctGGAAG TGAAACTtacgctGGAAGTGAAACT
9449	DNA; Synthetic Construct	AGTTTCACTTCCtgctttAGTTTCACTTCCtgatctAGTTTCACTTCCtacgctAGT TTCACTTCCtgccgctAGTTTCACTTCCtgctttAGTTTCACTTCCtgatctAGTTT CACTTCCtacgctAGTTTCACTTCC
9450	DNA; Synthetic Construct	AACAGGAAGTtgccgctAACAGGAAGTtgctttAACAGGAAGTtgatctAACAGGAA GTtacgctAACAGGAAGTtgccgctAACAGGAAGTtgctttAACAGGAAGTtgatct AACAGGAAGTtacgctAACAGGAAGT
9451	DNA; Synthetic Construct	ACTTCCTGTTtgccgctACTTCCTGTTtgctttACTTCCTGTTtgatctACTTCCTG TTtacgctACTTCCTGTTtgccgctACTTCCTGTTtgctttACTTCCTGTTtgatct ACTTCCTGTTtacgctACTTCCTGTT
9452	DNA; Synthetic Construct	GGTCAAAGGTCAtgctttGGTCAAAGGTCAtgatctGGTCAAAGGTCAtacgctGGT CAAAGGTCAtgccgctGGTCAAAGGTCAtgctttGGTCAAAGGTCAtgatctGGTCA AAGGTCAtacgctGGTCAAAGGTCA
9453	DNA; Synthetic Construct	TGACCTTTGACCtgctttTGACCTTTGACCtgatctTGACCTTTGACCtacgctTGA CCTTTGACCtgccgctTGACCTTTGACCtgctttTGACCTTTGACCtgatctTGACC TTTGACCtacgctTGACCTTTGACC
9454	DNA; Synthetic Construct	CCACGCCCACtgccgctCCACGCCCACtgctttCCACGCCCACtgatctCCACGCCC ACtacgctCCACGCCCACtgccgctCCACGCCCACtgctttCCACGCCCACtgatct CCACGCCCACtacgctCCACGCCCAC
9455	DNA; Synthetic Construct	GTGGGCGTGGtgccgctGTGGGCGTGGtgctttGTGGGCGTGGtgatctGTGGGCGT GGtacgctGTGGGCGTGGtgccgctGTGGGCGTGGtgctttGTGGGCGTGGtgatct GTGGGCGTGGtacgctGTGGGCGTGG
9456	DNA; Synthetic Construct	CCACGCCCCCtgccgctCCACGCCCCCtgctttCCACGCCCCCtgatctCCACGCCC CCtacgctCCACGCCCCCtgccgctCCACGCCCCCtgctttCCACGCCCCCtgatct CCACGCCCCCtacgctCCACGCCCCC
9457	DNA; Synthetic Construct	GGGGGCGTGGtgccgctGGGGGCGTGGtgctttGGGGGCGTGGtgatctGGGGGCGT GGtacgctGGGGGCGTGGtgccgctGGGGGCGTGGtgctttGGGGGCGTGGtgatct GGGGGCGTGGtacgctGGGGGCGTGG

9458	DNA; Synthetic Construct	ACTTCCTGAtacgctACTTCCTGAtgccgctACTTCCTGAtgctttACTTCCTGAtg atctACTTCCTGAtacgctACTTCCTGAtgccgctACTTCCTGAtgctttACTTCCT GAtgatctACTTCCTGAtacgctACTTCCTGA
9459	DNA; Synthetic Construct	TCAGGAAGTtacgctTCAGGAAGTtgccgctTCAGGAAGTtgctttTCAGGAAGTtg atctTCAGGAAGTtacgctTCAGGAAGTtgccgctTCAGGAAGTtgctttTCAGGAA GTtgatctTCAGGAAGTtacgctTCAGGAAGT
9460	DNA; Synthetic Construct	ACTTCCTGCtacgctACTTCCTGCtgccgctACTTCCTGCtgctttACTTCCTGCtg atctACTTCCTGCtacgctACTTCCTGCtgccgctACTTCCTGCtgctttACTTCCT GCtgatctACTTCCTGCtacgctACTTCCTGC
9461	DNA; Synthetic Construct	GCAGGAAGTtacgctGCAGGAAGTtgccgctGCAGGAAGTtgctttGCAGGAAGTtg atctGCAGGAAGTtacgctGCAGGAAGTtgccgctGCAGGAAGTtgctttGCAGGAA GTtgatctGCAGGAAGTtacgctGCAGGAAGT
9462	DNA; Synthetic Construct	ACTTCCTGTtacgctACTTCCTGTtgccgctACTTCCTGTtgctttACTTCCTGTtg atctACTTCCTGTtacgctACTTCCTGTtgccgctACTTCCTGTtgctttACTTCCT GTtgatctACTTCCTGTtacgctACTTCCTGT
9463	DNA; Synthetic Construct	ACAGGAAGTtacgctACAGGAAGTtgccgctACAGGAAGTtgctttACAGGAAGTtg atctACAGGAAGTtacgctACAGGAAGTtgccgctACAGGAAGTtgctttACAGGAA GTtgatctACAGGAAGTtacgctACAGGAAGT
9464	DNA; Synthetic Construct	ATTTCCTGAtacgctATTTCCTGAtgccgctATTTCCTGAtgctttATTTCCTGAtg atctATTTCCTGAtacgctATTTCCTGAtgccgctATTTCCTGAtgctttATTTCCT GAtgatctATTTCCTGAtacgctATTTCCTGA
9465	DNA; Synthetic Construct	TCAGGAAATtacgctTCAGGAAATtgccgctTCAGGAAATtgctttTCAGGAAATtg atctTCAGGAAATtacgctTCAGGAAATtgccgctTCAGGAAATtgctttTCAGGAA ATtgatctTCAGGAAATtacgctTCAGGAAAT
9466	DNA; Synthetic Construct	ATTTCCTGCtacgctATTTCCTGCtgccgctATTTCCTGCtgctttATTTCCTGCtg atctATTTCCTGCtacgctATTTCCTGCtgccgctATTTCCTGCtgctttATTTCCT GCtgatctATTTCCTGCtacgctATTTCCTGC
9467	DNA; Synthetic Construct	GCAGGAAATtacgctGCAGGAAATtgccgctGCAGGAAATtgctttGCAGGAAATtg atctGCAGGAAATtacgctGCAGGAAATtgccgctGCAGGAAATtgctttGCAGGAA ATtgatctGCAGGAAATtacgctGCAGGAAAT
9468	DNA; Synthetic Construct	ATTTCCTGTtacgctATTTCCTGTtgccgctATTTCCTGTtgctttATTTCCTGTtg atctATTTCCTGTtacgctATTTCCTGTtgccgctATTTCCTGTtgctttATTTCCT GTtgatctATTTCCTGTtacgctATTTCCTGT
9469	DNA; Synthetic Construct	ACAGGAAATtacgctACAGGAAATtgccgctACAGGAAATtgctttACAGGAAATtg atctACAGGAAATtacgctACAGGAAATtgccgctACAGGAAATtgctttACAGGAA ATtgatctACAGGAAATtacgctACAGGAAAT
9470	DNA; Synthetic Construct	AGAATTAGTGAACTGGAAGATtgccgctAGAATTAGTGAACTGGAAGATtgctttAG AATTAGTGAACTGGAAGATtgatctAGAATTAGTGAACTGGAAGATtacgctAGAAT TAGTGAACTGGAAGAT
9471	DNA; Synthetic Construct	ATCTTCCAGTTCACTAATTCTtgccgctATCTTCCAGTTCACTAATTCTtgctttAT CTTCCAGTTCACTAATTCTtgatctATCTTCCAGTTCACTAATTCTtacgctATCTT CCAGTTCACTAATTCT
9472	DNA; Synthetic Construct	AAACTAGGTCAAtgctttAAACTAGGTCAAtgatctAAACTAGGTCAAtacgctAAA CTAGGTCAAtgccgctAAACTAGGTCAAtgctttAAACTAGGTCAAtgatctAAACT AGGTCAAtacgctAAACTAGGTCAA
9473	DNA; Synthetic Construct	TTGACCTAGTTTtgctttTTGACCTAGTTTtgatctTTGACCTAGTTTtacgctTTG ACCTAGTTTtgccgctTTGACCTAGTTTtgctttTTGACCTAGTTTtgatctTTGAC CTAGTTTtacgctTTGACCTAGTTT
9474	DNA; Synthetic Construct	AAACTAGGTCACtgctttAAACTAGGTCACtgatctAAACTAGGTCACtacgctAAA CTAGGTCACtgccgctAAACTAGGTCACtgctttAAACTAGGTCACtgatctAAACT AGGTCACtacgctAAACTAGGTCAC
9475	DNA; Synthetic Construct	GTGACCTAGTTTtgctttGTGACCTAGTTTtgatctGTGACCTAGTTTtacgctGTG ACCTAGTTTtgccgctGTGACCTAGTTTtgctttGTGACCTAGTTTtgatctGTGAC CTAGTTTtacgctGTGACCTAGTTT

9476	DNA; Synthetic Construct	AAACTAGGTCAGtgctttAAACTAGGTCAGtgatctAAACTAGGTCAGtacgctAAA CTAGGTCAGtgccgctAAACTAGGTCAGtgctttAAACTAGGTCAGtgatctAAACT AGGTCAGtacgctAAACTAGGTCAG
9477	DNA; Synthetic Construct	CTGACCTAGTTTtgctttCTGACCTAGTTTtgatctCTGACCTAGTTTtacgctCTG ACCTAGTTTtgccgctCTGACCTAGTTTtgctttCTGACCTAGTTTtgatctCTGAC CTAGTTTtacgctCTGACCTAGTTT
9478	DNA; Synthetic Construct	AAAGTAGGTCAAtgctttAAAGTAGGTCAAtgatctAAAGTAGGTCAAtacgctAAA GTAGGTCAAtgccgctAAAGTAGGTCAAtgctttAAAGTAGGTCAAtgatctAAAGT AGGTCAAtacgctAAAGTAGGTCAA
9479	DNA; Synthetic Construct	TTGACCTACTTTtgctttTTGACCTACTTTtgatctTTGACCTACTTTtacgctTTG ACCTACTTTtgccgctTTGACCTACTTTtgctttTTGACCTACTTTtgatctTTGAC CTACTTTtacgctTTGACCTACTTT
9480	DNA; Synthetic Construct	AAAGTAGGTCACtgctttAAAGTAGGTCACtgatctAAAGTAGGTCACtacgctAAA GTAGGTCACtgccgctAAAGTAGGTCACtgctttAAAGTAGGTCACtgatctAAAGT AGGTCACtacgctAAAGTAGGTCAC
9481	DNA; Synthetic Construct	GTGACCTACTTTtgctttGTGACCTACTTTtgatctGTGACCTACTTTtacgctGTG ACCTACTTTtgccgctGTGACCTACTTTtgctttGTGACCTACTTTtgatctGTGAC CTACTTTtacgctGTGACCTACTTT
9482	DNA; Synthetic Construct	AAAGTAGGTCAGtgctttAAAGTAGGTCAGtgatctAAAGTAGGTCAGtacgctAAA GTAGGTCAGtgccgctAAAGTAGGTCAGtgctttAAAGTAGGTCAGtgatctAAAGT AGGTCAGtacgctAAAGTAGGTCAG
9483	DNA; Synthetic Construct	CTGACCTACTTTtgctttCTGACCTACTTTtgatctCTGACCTACTTTtacgctCTG ACCTACTTTtgccgctCTGACCTACTTTtgctttCTGACCTACTTTtgatctCTGAC CTACTTTtacgctCTGACCTACTTT
9484	DNA; Synthetic Construct	AAATTAGGTCAAtgctttAAATTAGGTCAAtgatctAAATTAGGTCAAtacgctAAA TTAGGTCAAtgccgctAAATTAGGTCAAtgctttAAATTAGGTCAAtgatctAAATT AGGTCAAtacgctAAATTAGGTCAA
9485	DNA; Synthetic Construct	TTGACCTAATTTtgctttTTGACCTAATTTtgatctTTGACCTAATTTtacgctTTG ACCTAATTTtgccgctTTGACCTAATTTtgctttTTGACCTAATTTtgatctTTGAC CTAATTTtacgctTTGACCTAATTT
9486	DNA; Synthetic Construct	AAATTAGGTCACtgctttAAATTAGGTCACtgatctAAATTAGGTCACtacgctAAA TTAGGTCACtgccgctAAATTAGGTCACtgctttAAATTAGGTCACtgatctAAATT AGGTCACtacgctAAATTAGGTCAC
9487	DNA; Synthetic Construct	GTGACCTAATTTtgctttGTGACCTAATTTtgatctGTGACCTAATTTtacgctGTG ACCTAATTTtgccgctGTGACCTAATTTtgctttGTGACCTAATTTtgatctGTGAC CTAATTTtacgctGTGACCTAATTT
9488	DNA; Synthetic Construct	AAATTAGGTCAGtgctttAAATTAGGTCAGtgatctAAATTAGGTCAGtacgctAAA TTAGGTCAGtgccgctAAATTAGGTCAGtgctttAAATTAGGTCAGtgatctAAATT AGGTCAGtacgctAAATTAGGTCAG
9489	DNA; Synthetic Construct	CTGACCTAATTTtgctttCTGACCTAATTTtgatctCTGACCTAATTTtacgctCTG ACCTAATTTtgccgctCTGACCTAATTTtgctttCTGACCTAATTTtgatctCTGAC CTAATTTtacgctCTGACCTAATTT
9490	DNA; Synthetic Construct	TAACTAGGTCAAtgctttAACTAGGTCAAtgatctTAACTAGGTCAAtacgctTAA CTAGGTCAAtgccgctTAACTAGGTCAAtgctttAACTAGGTCAAtgatctTAACT AGGTCAAtacgctTAACTAGGTCAA
9491	DNA; Synthetic Construct	TTGACCTAGTTAtgctttTTGACCTAGTTAtgatctTTGACCTAGTTAtacgctTTG ACCTAGTTAtgccgctTTGACCTAGTTAtgctttTTGACCTAGTTAtgatctTTGAC CTAGTTAtacgctTTGACCTAGTTA
9492	DNA; Synthetic Construct	TAACTAGGTCACtgctttAACTAGGTCACtgatctTAACTAGGTCACtacgctTAA CTAGGTCACtgccgctTAACTAGGTCACtgctttAACTAGGTCACtgatctTAACT AGGTCACtacgctTAACTAGGTCAC
9493	DNA; Synthetic Construct	GTGACCTAGTTAtgctttGTGACCTAGTTAtgatctGTGACCTAGTTAtacgctGTG ACCTAGTTAtgccgctGTGACCTAGTTAtgctttGTGACCTAGTTAtgatctGTGAC CTAGTTAtacgctGTGACCTAGTTA

9494	DNA; Synthetic Construct	TAACTAGGTCAGtgctttTAACTAGGTCAGtgatctTAACTAGGTCAGtacgctTAA CTAGGTCAGtgccgctTAACTAGGTCAGtgctttTAACTAGGTCAGtgatctTAACT AGGTCAGtacgctTAACTAGGTCAG
9495	DNA; Synthetic Construct	CTGACCTAGTTAtgctttCTGACCTAGTTAtgatctCTGACCTAGTTAtacgctCTG ACCTAGTTAtgccgctCTGACCTAGTTAtgctttCTGACCTAGTTAtgatctCTGAC CTAGTTAtacgctCTGACCTAGTTA
9496	DNA; Synthetic Construct	TAAGTAGGTCAAtgctttTAAGTAGGTCAAtgatctTAAGTAGGTCAAtacgctTAA GTAGGTCAAtgccgctTAAGTAGGTCAAtgctttTAAGTAGGTCAAtgatctTAAGT AGGTCAAtacgctTAAGTAGGTCAA
9497	DNA; Synthetic Construct	TTGACCTACTTAtgctttTTGACCTACTTAtgatctTTGACCTACTTAtacgctTTG ACCTACTTAtgccgctTTGACCTACTTAtgctttTTGACCTACTTAtgatctTTGAC CTACTTAtacgctTTGACCTACTTA
9498	DNA; Synthetic Construct	TAAGTAGGTCACtgctttTAAGTAGGTCACtgatctTAAGTAGGTCACtacgctTAA GTAGGTCACtgccgctTAAGTAGGTCACtgctttTAAGTAGGTCACtgatctTAAGT AGGTCACtacgctTAAGTAGGTCAC
9499	DNA; Synthetic Construct	GTGACCTACTTAtgctttGTGACCTACTTAtgatctGTGACCTACTTAtacgctGTG ACCTACTTAtgccgctGTGACCTACTTAtgctttGTGACCTACTTAtgatctGTGAC CTACTTAtacgctGTGACCTACTTA
9500	DNA; Synthetic Construct	TAAGTAGGTCAGtgctttTAAGTAGGTCAGtgatctTAAGTAGGTCAGtacgctTAA GTAGGTCAGtgccgctTAAGTAGGTCAGtgctttTAAGTAGGTCAGtgatctTAAGT AGGTCAGtacgctTAAGTAGGTCAG
9501	DNA; Synthetic Construct	CTGACCTACTTAtgctttCTGACCTACTTAtgatctCTGACCTACTTAtacgctCTG ACCTACTTAtgccgctCTGACCTACTTAtgctttCTGACCTACTTAtgatctCTGAC CTACTTAtacgctCTGACCTACTTA
9502	DNA; Synthetic Construct	TAATTAGGTCAAtgctttTAATTAGGTCAAtgatctTAATTAGGTCAAtacgctTAA TTAGGTCAAtgccgctTAATTAGGTCAAtgctttTAATTAGGTCAAtgatctTAATT AGGTCAAtacgctTAATTAGGTCAA
9503	DNA; Synthetic Construct	TTGACCTAATTAtgctttTTGACCTAATTAtgatctTTGACCTAATTAtacgctTTG ACCTAATTAtgccgctTTGACCTAATTAtgctttTTGACCTAATTAtgatctTTGAC CTAATTAtacgctTTGACCTAATTA
9504	DNA; Synthetic Construct	TAATTAGGTCACtgctttTAATTAGGTCACtgatctTAATTAGGTCACtacgctTAA TTAGGTCACtgccgctTAATTAGGTCACtgctttTAATTAGGTCACtgatctTAATT AGGTCACtacgctTAATTAGGTCAC
9505	DNA; Synthetic Construct	GTGACCTAATTAtgctttGTGACCTAATTAtgatctGTGACCTAATTAtacgctGTG ACCTAATTAtgccgctGTGACCTAATTAtgctttGTGACCTAATTAtgatctGTGAC CTAATTAtacgctGTGACCTAATTA
9506	DNA; Synthetic Construct	TAATTAGGTCAGtgctttTAATTAGGTCAGtgatctTAATTAGGTCAGtacgctTAA TTAGGTCAGtgccgctTAATTAGGTCAGtgctttTAATTAGGTCAGtgatctTAATT AGGTCAGtacgctTAATTAGGTCAG
9507	DNA; Synthetic Construct	CTGACCTAATTAtgctttCTGACCTAATTAtgatctCTGACCTAATTAtacgctCTG ACCTAATTAtgccgctCTGACCTAATTAtgctttCTGACCTAATTAtgatctCTGAC CTAATTAtacgctCTGACCTAATTA
9508	DNA; Synthetic Construct	AGTTTCAGTTTCtgctttAGTTTCAGTTTCtgatctAGTTTCAGTTTCtacgctAGT TTCAGTTTCtgccgctAGTTTCAGTTTCtgctttAGTTTCAGTTTCtgatctAGTTT CAGTTTCtacgctAGTTTCAGTTTC
9509	DNA; Synthetic Construct	GAAACTGAAACTtgctttGAAACTGAAACTtgatctGAAACTGAAACTtacgctGAA ACTGAAACTtgccgctGAAACTGAAACTtgctttGAAACTGAAACTtgatctGAAAC TGAAACTtacgctGAAACTGAAACT
9510	DNA; Synthetic Construct	AATTTCCACtacgctAATTTCCACtgccgctAATTTCCACtgctttAATTTCCACtg atctAATTTCCACtacgctAATTTCCACtgccgctAATTTCCACtgctttAATTTCC ACtgatctAATTTCCACtacgctAATTTCCAC
9511	DNA; Synthetic Construct	GTGGAAATTtacgctGTGGAAATTtgccgctGTGGAAATTtgctttGTGGAAATTtg atctGTGGAAATTtacgctGTGGAAATTtgccgctGTGGAAATTtgctttGTGGAAA TTtgatctGTGGAAATTtacgctGTGGAAATT

9512	DNA; Synthetic Construct	AATTTCCATtacgctAATTTCCATtgccgctAATTTCCATtgctttAATTTCCATtg atctAATTTCCATtacgctAATTTCCATtgccgctAATTTCCATtgctttAATTTCC ATtgatctAATTTCCATtacgctAATTTCCAT
9513	DNA; Synthetic Construct	ATGGAAATTtacgctATGGAAATTtgccgctATGGAAATTtgctttATGGAAATTtg atctATGGAAATTtacgctATGGAAATTtgccgctATGGAAATTtgctttATGGAAA TTtgatctATGGAAATTtacgctATGGAAATT
9514	DNA; Synthetic Construct	AATTTCCGCtacgctAATTTCCGCtgccgctAATTTCCGCtgctttAATTTCCGCtg atctAATTTCCGCtacgctAATTTCCGCtgccgctAATTTCCGCtgctttAATTTCC GCtgatctAATTTCCGCtacgctAATTTCCGC
9515	DNA; Synthetic Construct	GCGGAAATTtacgctGCGGAAATTtgccgctGCGGAAATTtgctttGCGGAAATTtg atctGCGGAAATTtacgctGCGGAAATTtgccgctGCGGAAATTtgctttGCGGAAA TTtgatctGCGGAAATTtacgctGCGGAAATT
9516	DNA; Synthetic Construct	AATTTCCGTtacgctAATTTCCGTtgccgctAATTTCCGTtgctttAATTTCCGTtg atctAATTTCCGTtacgctAATTTCCGTtgccgctAATTTCCGTtgctttAATTTCC GTtgatctAATTTCCGTtacgctAATTTCCGT
9517	DNA; Synthetic Construct	ACGGAAATTtacgctACGGAAATTtgccgctACGGAAATTtgctttACGGAAATTtg atctACGGAAATTtacgctACGGAAATTtgccgctACGGAAATTtgctttACGGAAA TTtgatctACGGAAATTtacgctACGGAAATT
9518	DNA; Synthetic Construct	TATTTCCACtacgctTATTTCCACtgccgctTATTTCCACtgctttTATTTCCACtg atctTATTTCCACtacgctTATTTCCACtgccgctTATTTCCACtgctttTATTTCC ACtgatctTATTTCCACtacgctTATTTCCAC
9519	DNA; Synthetic Construct	GTGGAAATAtacgctGTGGAAATAtgccgctGTGGAAATAtgctttGTGGAAATAtg atctGTGGAAATAtacgctGTGGAAATAtgccgctGTGGAAATAtgctttGTGGAAA TAtgatctGTGGAAATAtacgctGTGGAAATA
9520	DNA; Synthetic Construct	TATTTCCATtacgctTATTTCCATtgccgctTATTTCCATtgctttTATTTCCATtg atctTATTTCCATtacgctTATTTCCATtgccgctTATTTCCATtgctttTATTTCC ATtgatctTATTTCCATtacgctTATTTCCAT
9521	DNA; Synthetic Construct	ATGGAAATAtacgctATGGAAATAtgccgctATGGAAATAtgctttATGGAAATAtg atctATGGAAATAtacgctATGGAAATAtgccgctATGGAAATAtgctttATGGAAA TAtgatctATGGAAATAtacgctATGGAAATA
9522	DNA; Synthetic Construct	TATTTCCGCtacgctTATTTCCGCtgccgctTATTTCCGCtgctttTATTTCCGCtg atctTATTTCCGCtacgctTATTTCCGCtgccgctTATTTCCGCtgctttTATTTCC GCtgatctTATTTCCGCtacgctTATTTCCGC
9523	DNA; Synthetic Construct	GCGGAAATAtacgctGCGGAAATAtgccgctGCGGAAATAtgctttGCGGAAATAtg atctGCGGAAATAtacgctGCGGAAATAtgccgctGCGGAAATAtgctttGCGGAAA TAtgatctGCGGAAATAtacgctGCGGAAATA
9524	DNA; Synthetic Construct	TATTTCCGTtacgctTATTTCCGTtgccgctTATTTCCGTtgctttTATTTCCGTtg atctTATTTCCGTtacgctTATTTCCGTtgccgctTATTTCCGTtgctttTATTTCC GTtgatctTATTTCCGTtacgctTATTTCCGT
9525	DNA; Synthetic Construct	ACGGAAATAtacgctACGGAAATAtgccgctACGGAAATAtgctttACGGAAATAtg atctACGGAAATAtacgctACGGAAATAtgccgctACGGAAATAtgctttACGGAAA TAtgatctACGGAAATAtacgctACGGAAATA
9526	DNA; Synthetic Construct	CTGGCAGGCTGCCAtgatctCTGGCAGGCTGCCAtacgctCTGGCAGGCTGCCAtgc cgctCTGGCAGGCTGCCAtgctttCTGGCAGGCTGCCAtgatctCTGGCAGGCTGCC AtacgctCTGGCAGGCTGCCA
9527	DNA; Synthetic Construct	TGGCAGCCTGCCAGtgatctTGGCAGCCTGCCAGtacgctTGGCAGCCTGCCAGtgc cgctTGGCAGCCTGCCAGtgctttTGGCAGCCTGCCAGtgatctTGGCAGCCTGCCA GtacgctTGGCAGCCTGCCAG
9528	DNA; Synthetic Construct	ACTTCCGGCtacgctACTTCCGGCtgccgctACTTCCGGCtgctttACTTCCGGCtg atctACTTCCGGCtacgctACTTCCGGCtgccgctACTTCCGGCtgctttACTTCCG GCtgatctACTTCCGGCtacgctACTTCCGGC
9529	DNA; Synthetic Construct	GCCGGAAGTtacgctGCCGGAAGTtgccgctGCCGGAAGTtgctttGCCGGAAGTtg atctGCCGGAAGTtacgctGCCGGAAGTtgccgctGCCGGAAGTtgctttGCCGGAA GTtgatctGCCGGAAGTtacgctGCCGGAAGT

9530	DNA; Synthetic Construct	ACTTCCGGTtacgctACTTCCGGTtgccgctACTTCCGGTtgctttACTTCCGGTtg atctACTTCCGGTtacgctACTTCCGGTtgccgctACTTCCGGTtgctttACTTCCG GTtgatctACTTCCGGTtacgctACTTCCGGT
9531	DNA; Synthetic Construct	ACCGGAAGTtacgctACCGGAAGTtgccgctACCGGAAGTtgctttACCGGAAGTtg atctACCGGAAGTtacgctACCGGAAGTtgccgctACCGGAAGTtgctttACCGGAA GTtgatctACCGGAAGTtacgctACCGGAAGT
9532	DNA; Synthetic Construct	ATTTCCGGCtacgctATTTCCGGCtgccgctATTTCCGGCtgctttATTTCCGGCtg atctATTTCCGGCtacgctATTTCCGGCtgccgctATTTCCGGCtgctttATTTCCG GCtgatctATTTCCGGCtacgctATTTCCGGC
9533	DNA; Synthetic Construct	GCCGGAAATtacgctGCCGGAAATtgccgctGCCGGAAATtgctttGCCGGAAATtg atctGCCGGAAATtacgctGCCGGAAATtgccgctGCCGGAAATtgctttGCCGGAA ATtgatctGCCGGAAATtacgctGCCGGAAAT
9534	DNA; Synthetic Construct	ATTTCCGGTtacgctATTTCCGGTtgccgctATTTCCGGTtgctttATTTCCGGTtg atctATTTCCGGTtacgctATTTCCGGTtgccgctATTTCCGGTtgctttATTTCCG GTtgatctATTTCCGGTtacgctATTTCCGGT
9535	DNA; Synthetic Construct	ACCGGAAATtacgctACCGGAAATtgccgctACCGGAAATtgctttACCGGAAATtg atctACCGGAAATtacgctACCGGAAATtgccgctACCGGAAATtgctttACCGGAA ATtgatctACCGGAAATtacgctACCGGAAAT
9536	DNA; Synthetic Construct	GCTTCCGGCtacgctGCTTCCGGCtgccgctGCTTCCGGCtgctttGCTTCCGGCtg atctGCTTCCGGCtacgctGCTTCCGGCtgccgctGCTTCCGGCtgctttGCTTCCG GCtgatctGCTTCCGGCtacgctGCTTCCGGC
9537	DNA; Synthetic Construct	GCCGGAAGCtacgctGCCGGAAGCtgccgctGCCGGAAGCtgctttGCCGGAAGCtg atctGCCGGAAGCtacgctGCCGGAAGCtgccgctGCCGGAAGCtgctttGCCGGAA GCtgatctGCCGGAAGCtacgctGCCGGAAGC
9538	DNA; Synthetic Construct	GCTTCCGGTtacgctGCTTCCGGTtgccgctGCTTCCGGTtgctttGCTTCCGGTtg atctGCTTCCGGTtacgctGCTTCCGGTtgccgctGCTTCCGGTtgctttGCTTCCG GTtgatctGCTTCCGGTtacgctGCTTCCGGT
9539	DNA; Synthetic Construct	ACCGGAAGCtacgctACCGGAAGCtgccgctACCGGAAGCtgctttACCGGAAGCtg atctACCGGAAGCtacgctACCGGAAGCtgccgctACCGGAAGCtgctttACCGGAA GCtgatctACCGGAAGCtacgctACCGGAAGC
9540	DNA; Synthetic Construct	GTTTCCGGCtacgctGTTTCCGGCtgccgctGTTTCCGGCtgctttGTTTCCGGCtg atctGTTTCCGGCtacgctGTTTCCGGCtgccgctGTTTCCGGCtgctttGTTTCCG GCtgatctGTTTCCGGCtacgctGTTTCCGGC
9541	DNA; Synthetic Construct	GCCGGAAACtacgctGCCGGAAACtgccgctGCCGGAAACtgctttGCCGGAAACtg atctGCCGGAAACtacgctGCCGGAAACtgccgctGCCGGAAACtgctttGCCGGAA ACtgatctGCCGGAAACtacgctGCCGGAAAC
9542	DNA; Synthetic Construct	GTTTCCGGTtacgctGTTTCCGGTtgccgctGTTTCCGGTtgctttGTTTCCGGTtg atctGTTTCCGGTtacgctGTTTCCGGTtgccgctGTTTCCGGTtgctttGTTTCCG GTtgatctGTTTCCGGTtacgctGTTTCCGGT
9543	DNA; Synthetic Construct	ACCGGAAACtacgctACCGGAAACtgccgctACCGGAAACtgctttACCGGAAACtg atctACCGGAAACtacgctACCGGAAACtgccgctACCGGAAACtgctttACCGGAA ACtgatctACCGGAAACtacgctACCGGAAAC
9544	DNA; Synthetic Construct	CGAAAACGAAATTtgctttCGAAAACGAAATTtgatctCGAAAACGAAATTtacgct CGAAAACGAAATTtgccgctCGAAAACGAAATTtgctttCGAAAACGAAATTtgatc tCGAAAACGAAATTtacgctCGAAAACGAAATT
9545	DNA; Synthetic Construct	AATTTCGTTTTCGtgctttAATTTCGTTTTCGtgatctAATTTCGTTTTCGtacgct AATTTCGTTTTCGtgccgctAATTTCGTTTTCGtgctttAATTTCGTTTTCGtgatc tAATTTCGTTTTCGtacgctAATTTCGTTTTCG
9546	DNA; Synthetic Construct	CGAAAATGAAATTtgctttCGAAAATGAAATTtgatctCGAAAATGAAATTtacgct CGAAAATGAAATTtgccgctCGAAAATGAAATTtgctttCGAAAATGAAATTtgatc tCGAAAATGAAATTtacgctCGAAAATGAAATT
9547	DNA; Synthetic Construct	AATTTCATTTTCGtgctttAATTTCATTTTCGtgatctAATTTCATTTTCGtacgct AATTTCATTTTCGtgccgctAATTTCATTTTCGtgctttAATTTCATTTTCGtgatc tAATTTCATTTTCGtacgctAATTTCATTTTCG

9548	DNA; Synthetic Construct	CGAAAGCGAAATTtgctttCGAAAGCGAAATTtgatctCGAAAGCGAAATTtacgct CGAAAGCGAAATTtgccgctCGAAAGCGAAATTtgctttCGAAAGCGAAATTtgatc tCGAAAGCGAAATTtacgctCGAAAGCGAAATT
9549	DNA; Synthetic Construct	AATTTCGCTTTCGtgctttAATTTCGCTTTCGtgatctAATTTCGCTTTCGtacgct AATTTCGCTTTCGtgccgctAATTTCGCTTTCGtgctttAATTTCGCTTTCGtgatc tAATTTCGCTTTCGtacgctAATTTCGCTTTCG
9550	DNA; Synthetic Construct	CGAAAGTGAAATTtgctttCGAAAGTGAAATTtgatctCGAAAGTGAAATTtacgct CGAAAGTGAAATTtgccgctCGAAAGTGAAATTtgctttCGAAAGTGAAATTtgatc tCGAAAGTGAAATTtacgctCGAAAGTGAAATT
9551	DNA; Synthetic Construct	AATTTCACTTTCGtgctttAATTTCACTTTCGtgatctAATTTCACTTTCGtacgct AATTTCACTTTCGtgccgctAATTTCACTTTCGtgctttAATTTCACTTTCGtgatc tAATTTCACTTTCGtacgctAATTTCACTTTCG
9552	DNA; Synthetic Construct	ACTTCCGGGTtgccgctACTTCCGGGTtgctttACTTCCGGGTtgatctACTTCCGG GTtacgctACTTCCGGGTtgccgctACTTCCGGGTtgctttACTTCCGGGTtgatct ACTTCCGGGTtacgctACTTCCGGGT
9553	DNA; Synthetic Construct	ACCCGGAAGTtgccgctACCCGGAAGTtgctttACCCGGAAGTtgatctACCCGGAA GTtacgctACCCGGAAGTtgccgctACCCGGAAGTtgctttACCCGGAAGTtgatct ACCCGGAAGTtacgctACCCGGAAGT
9554	DNA; Synthetic Construct	ACTTCCGGTTtgccgctACTTCCGGTTtgctttACTTCCGGTTtgatctACTTCCGG TTtacgctACTTCCGGTTtgccgctACTTCCGGTTtgctttACTTCCGGTTtgatct ACTTCCGGTTtacgctACTTCCGGTT
9555	DNA; Synthetic Construct	AACCGGAAGTtgccgctAACCGGAAGTtgctttAACCGGAAGTtgatctAACCGGAA GTtacgctAACCGGAAGTtgccgctAACCGGAAGTtgctttAACCGGAAGTtgatct AACCGGAAGTtacgctAACCGGAAGT
9556	DNA; Synthetic Construct	ACTTCCTGGTtgccgctACTTCCTGGTtgctttACTTCCTGGTtgatctACTTCCTG GTtacgctACTTCCTGGTtgccgctACTTCCTGGTtgctttACTTCCTGGTtgatct ACTTCCTGGTtacgctACTTCCTGGT
9557	DNA; Synthetic Construct	ACCAGGAAGTtgccgctACCAGGAAGTtgctttACCAGGAAGTtgatctACCAGGAA GTtacgctACCAGGAAGTtgccgctACCAGGAAGTtgctttACCAGGAAGTtgatct ACCAGGAAGTtacgctACCAGGAAGT
9558	DNA; Synthetic Construct	ACTTCCTGTTtgccgctACTTCCTGTTtgctttACTTCCTGTTtgatctACTTCCTG TTtacgctACTTCCTGTTtgccgctACTTCCTGTTtgctttACTTCCTGTTtgatct ACTTCCTGTTtacgctACTTCCTGTT
9559	DNA; Synthetic Construct	AACAGGAAGTtgccgctAACAGGAAGTtgctttAACAGGAAGTtgatctAACAGGAA GTtacgctAACAGGAAGTtgccgctAACAGGAAGTtgctttAACAGGAAGTtgatct AACAGGAAGTtacgctAACAGGAAGT
9560	DNA; Synthetic Construct	AACTTCCGGCtgccgctAACTTCCGGCtgctttAACTTCCGGCtgatctAACTTCCG GCtacgctAACTTCCGGCtgccgctAACTTCCGGCtgctttAACTTCCGGCtgatct AACTTCCGGCtacgctAACTTCCGGC
9561	DNA; Synthetic Construct	GCCGGAAGTTtgccgctGCCGGAAGTTtgctttGCCGGAAGTTtgatctGCCGGAAG TTtacgctGCCGGAAGTTtgccgctGCCGGAAGTTtgctttGCCGGAAGTTtgatct GCCGGAAGTTtacgctGCCGGAAGTT
9562	DNA; Synthetic Construct	AACTTCCGGTtgccgctAACTTCCGGTtgctttAACTTCCGGTtgatctAACTTCCG GTtacgctAACTTCCGGTtgccgctAACTTCCGGTtgctttAACTTCCGGTtgatct AACTTCCGGTtacgctAACTTCCGGT
9563	DNA; Synthetic Construct	ACCGGAAGTTtgccgctACCGGAAGTTtgctttACCGGAAGTTtgatctACCGGAAG TTtacgctACCGGAAGTTtgccgctACCGGAAGTTtgctttACCGGAAGTTtgatct ACCGGAAGTTtacgctACCGGAAGTT
9564	DNA; Synthetic Construct	CACTTCCGGCtgccgctCACTTCCGGCtgctttCACTTCCGGCtgatctCACTTCCG GCtacgctCACTTCCGGCtgccgctCACTTCCGGCtgctttCACTTCCGGCtgatct CACTTCCGGCtacgctCACTTCCGGC
9565	DNA; Synthetic Construct	GCCGGAAGTGtgccgctGCCGGAAGTGtgctttGCCGGAAGTGtgatctGCCGGAAG TGtacgctGCCGGAAGTGtgccgctGCCGGAAGTGtgctttGCCGGAAGTGtgatct GCCGGAAGTGtacgctGCCGGAAGTG

9566	DNA; Synthetic Construct	CACTTCCGGTtgccgctCACTTCCGGTtgctttCACTTCCGGTtgatctCACTTCCG GTtacgctCACTTCCGGTtgccgctCACTTCCGGTtgctttCACTTCCGGTtgatct CACTTCCGGTtacgctCACTTCCGGT
9567	DNA; Synthetic Construct	ACCGGAAGTGtgccgctACCGGAAGTGtgctttACCGGAAGTGtgatctACCGGAAG TGtacgctACCGGAAGTGtgccgctACCGGAAGTGtgctttACCGGAAGTGtgatct ACCGGAAGTGtacgctACCGGAAGTG
9568	DNA; Synthetic Construct	TACTTCCGGCtgccgctTACTTCCGGCtgctttTACTTCCGGCtgatctTACTTCCG GCtacgctTACTTCCGGCtgccgctTACTTCCGGCtgctttTACTTCCGGCtgatct TACTTCCGGCtacgctTACTTCCGGC
9569	DNA; Synthetic Construct	GCCGGAAGTAtgccgctGCCGGAAGTAtgctttGCCGGAAGTAtgatctGCCGGAAG TAtacgctGCCGGAAGTAtgccgctGCCGGAAGTAtgctttGCCGGAAGTAtgatct GCCGGAAGTAtacgctGCCGGAAGTA
9570	DNA; Synthetic Construct	TACTTCCGGTtgccgctTACTTCCGGTtgctttTACTTCCGGTtgatctTACTTCCG GTtacgctTACTTCCGGTtgccgctTACTTCCGGTtgctttTACTTCCGGTtgatct TACTTCCGGTtacgctTACTTCCGGT
9571	DNA; Synthetic Construct	ACCGGAAGTAtgccgctACCGGAAGTAtgctttACCGGAAGTAtgatctACCGGAAG TAtacgctACCGGAAGTAtgccgctACCGGAAGTAtgctttACCGGAAGTAtgatct ACCGGAAGTAtacgctACCGGAAGTA
9572	DNA; Synthetic Construct	GGAAATTCCCtgccgctGGAAATTCCCtgctttGGAAATTCCCtgatctGGAAATTC CCtacgctGGAAATTCCCtgccgctGGAAATTCCCtgctttGGAAATTCCCtgatct GGAAATTCCCtacgctGGAAATTCCC
9573	DNA; Synthetic Construct	GGGAATTTCCtgccgctGGGAATTTCCtgctttGGGAATTTCCtgatctGGGAATTT CCtacgctGGGAATTTCCtgccgctGGGAATTTCCtgctttGGGAATTTCCtgatct GGGAATTTCCtacgctGGGAATTTCC
9574	DNA; Synthetic Construct	AACGAAACCGAAACTtgatctAACGAAACCGAAACTtacgctAACGAAACCGAAACT tgccgctAACGAAACCGAAACTtgctttAACGAAACCGAAACTtgatctAACGAAAC CGAAACTtacgctAACGAAACCGAAACT
9575	DNA; Synthetic Construct	AGTTTCGGTTTCGTTtgatctAGTTTCGGTTTCGTTtacgctAGTTTCGGTTTCGTT tgccgctAGTTTCGGTTTCGTTtgctttAGTTTCGGTTTCGTTtgatctAGTTTCGG TTTCGTTtacgctAGTTTCGGTTTCGTT
9576	DNA; Synthetic Construct	GAAAGCGAAAGCtgctttGAAAGCGAAAGCtgatctGAAAGCGAAAGCtacgctGAA AGCGAAAGCtgccgctGAAAGCGAAAGCtgctttGAAAGCGAAAGCtgatctGAAAG CGAAAGCtacgctGAAAGCGAAAGC
9577	DNA; Synthetic Construct	GCTTTCGCTTTCtgctttGCTTTCGCTTTCtgatctGCTTTCGCTTTCtacgctGCT TTCGCTTTCtgccgctGCTTTCGCTTTCtgctttGCTTTCGCTTTCtgatctGCTTT CGCTTTCtacgctGCTTTCGCTTTC
9578	DNA; Synthetic Construct	GAAAGCGAAAGTtgctttGAAAGCGAAAGTtgatctGAAAGCGAAAGTtacgctGAA AGCGAAAGTtgccgctGAAAGCGAAAGTtgctttGAAAGCGAAAGTtgatctGAAAG CGAAAGTtacgctGAAAGCGAAAGT
9579	DNA; Synthetic Construct	ACTTTCGCTTTCtgctttACTTTCGCTTTCtgatctACTTTCGCTTTCtacgctACT TTCGCTTTCtgccgctACTTTCGCTTTCtgctttACTTTCGCTTTCtgatctACTTT CGCTTTCtacgctACTTTCGCTTTC
9580	DNA; Synthetic Construct	GAAAGCGAAACCtgctttGAAAGCGAAACCtgatctGAAAGCGAAACCtacgctGAA AGCGAAACCtgccgctGAAAGCGAAACCtgctttGAAAGCGAAACCtgatctGAAAG CGAAACCtacgctGAAAGCGAAACC
9581	DNA; Synthetic Construct	GGTTTCGCTTTCtgctttGGTTTCGCTTTCtgatctGGTTTCGCTTTCtacgctGGT TTCGCTTTCtgccgctGGTTTCGCTTTCtgctttGGTTTCGCTTTCtgatctGGTTT CGCTTTCtacgctGGTTTCGCTTTC
9582	DNA; Synthetic Construct	GAAAGCGAAACTtgctttGAAAGCGAAACTtgatctGAAAGCGAAACTtacgctGAA AGCGAAACTtgccgctGAAAGCGAAACTtgctttGAAAGCGAAACTtgatctGAAAG CGAAACTtacgctGAAAGCGAAACT
9583	DNA; Synthetic Construct	AGTTTCGCTTTCtgctttAGTTTCGCTTTCtgatctAGTTTCGCTTTCtacgctAGT TTCGCTTTCtgccgctAGTTTCGCTTTCtgctttAGTTTCGCTTTCtgatctAGTTT CGCTTTCtacgctAGTTTCGCTTTC

9584	DNA; Synthetic Construct	GAAAGTGAAAGCtgctttGAAAGTGAAAGCtgatctGAAAGTGAAAGCtacgctGAA AGTGAAAGCtgccgctGAAAGTGAAAGCtgctttGAAAGTGAAAGCtgatctGAAAG TGAAAGCtacgctGAAAGTGAAAGC
9585	DNA; Synthetic Construct	GCTTTCACTTTCtgctttGCTTTCACTTTCtgatctGCTTTCACTTTCtacgctGCT TTCACTTTCtgccgctGCTTTCACTTTCtgctttGCTTTCACTTTCtgatctGCTTT CACTTTCtacgctGCTTTCACTTTC
9586	DNA; Synthetic Construct	GAAAGTGAAAGTtgctttGAAAGTGAAAGTtgatctGAAAGTGAAAGTtacgctGAA AGTGAAAGTtgccgctGAAAGTGAAAGTtgctttGAAAGTGAAAGTtgatctGAAAG TGAAAGTtacgctGAAAGTGAAAGT
9587	DNA; Synthetic Construct	ACTTTCACTTTCtgctttACTTTCACTTTCtgatctACTTTCACTTTCtacgctACT TTCACTTTCtgccgctACTTTCACTTTCtgctttACTTTCACTTTCtgatctACTTT CACTTTCtacgctACTTTCACTTTC
9588	DNA; Synthetic Construct	GAAAGTGAAACCtgctttGAAAGTGAAACCtgatctGAAAGTGAAACCtacgctGAA AGTGAAACCtgccgctGAAAGTGAAACCtgctttGAAAGTGAAACCtgatctGAAAG TGAAACCtacgctGAAAGTGAAACC
9589	DNA; Synthetic Construct	GGTTTCACTTTCtgctttGGTTTCACTTTCtgatctGGTTTCACTTTCtacgctGGT TTCACTTTCtgccgctGGTTTCACTTTCtgctttGGTTTCACTTTCtgatctGGTTT CACTTTCtacgctGGTTTCACTTTC
9590	DNA; Synthetic Construct	GAAAGTGAAACTtgctttGAAAGTGAAACTtgatctGAAAGTGAAACTtacgctGAA AGTGAAACTtgccgctGAAAGTGAAACTtgctttGAAAGTGAAACTtgatctGAAAG TGAAACTtacgctGAAAGTGAAACT
9591	DNA; Synthetic Construct	AGTTTCACTTTCtgctttAGTTTCACTTTCtgatctAGTTTCACTTTCtacgctAGT TTCACTTTCtgccgctAGTTTCACTTTCtgctttAGTTTCACTTTCtgatctAGTTT CACTTTCtacgctAGTTTCACTTTC
9592	DNA; Synthetic Construct	GAAACCGAAAGCtgctttGAAACCGAAAGCtgatctGAAACCGAAAGCtacgctGAA ACCGAAAGCtgccgctGAAACCGAAAGCtgctttGAAACCGAAAGCtgatctGAAAC CGAAAGCtacgctGAAACCGAAAGC
9593	DNA; Synthetic Construct	GCTTTCGGTTTCtgctttGCTTTCGGTTTCtgatctGCTTTCGGTTTCtacgctGCT TTCGGTTTCtgccgctGCTTTCGGTTTCtgctttGCTTTCGGTTTCtgatctGCTTT CGGTTTCtacgctGCTTTCGGTTTC
9594	DNA; Synthetic Construct	GAAACCGAAAGTtgctttGAAACCGAAAGTtgatctGAAACCGAAAGTtacgctGAA ACCGAAAGTtgccgctGAAACCGAAAGTtgctttGAAACCGAAAGTtgatctGAAAC CGAAAGTtacgctGAAACCGAAAGT
9595	DNA; Synthetic Construct	ACTTTCGGTTTCtgctttACTTTCGGTTTCtgatctACTTTCGGTTTCtacgctACT TTCGGTTTCtgccgctACTTTCGGTTTCtgctttACTTTCGGTTTCtgatctACTTT CGGTTTCtacgctACTTTCGGTTTC
9596	DNA; Synthetic Construct	GAAACCGAAACCtgctttGAAACCGAAACCtgatctGAAACCGAAACCtacgctGAA ACCGAAACCtgccgctGAAACCGAAACCtgctttGAAACCGAAACCtgatctGAAAC CGAAACCtacgctGAAACCGAAACC
9597	DNA; Synthetic Construct	GGTTTCGGTTTCtgctttGGTTTCGGTTTCtgatctGGTTTCGGTTTCtacgctGGT TTCGGTTTCtgccgctGGTTTCGGTTTCtgctttGGTTTCGGTTTCtgatctGGTTT CGGTTTCtacgctGGTTTCGGTTTC
9598	DNA; Synthetic Construct	GAAACCGAAACTtgctttGAAACCGAAACTtgatctGAAACCGAAACTtacgctGAA ACCGAAACTtgccgctGAAACCGAAACTtgctttGAAACCGAAACTtgatctGAAAC CGAAACTtacgctGAAACCGAAACT
9599	DNA; Synthetic Construct	AGTTTCGGTTTCtgctttAGTTTCGGTTTCtgatctAGTTTCGGTTTCtacgctAGT TTCGGTTTCtgccgctAGTTTCGGTTTCtgctttAGTTTCGGTTTCtgatctAGTTT CGGTTTCtacgctAGTTTCGGTTTC
9600	DNA; Synthetic Construct	GAAACTGAAAGCtgctttGAAACTGAAAGCtgatctGAAACTGAAAGCtacgctGAA ACTGAAAGCtgccgctGAAACTGAAAGCtgctttGAAACTGAAAGCtgatctGAAAC TGAAAGCtacgctGAAACTGAAAGC
9601	DNA; Synthetic Construct	GCTTTCAGTTTCtgctttGCTTTCAGTTTCtgatctGCTTTCAGTTTCtacgctGCT TTCAGTTTCtgccgctGCTTTCAGTTTCtgctttGCTTTCAGTTTCtgatctGCTTT CAGTTTCtacgctGCTTTCAGTTTC

9602	DNA; Synthetic Construct	GAAACTGAAAGTtgctttGAAACTGAAAGTtgatctGAAACTGAAAGTtacgctGAA ACTGAAAGTtgccgctGAAACTGAAAGTtgctttGAAACTGAAAGTtgatctGAAAC TGAAAGTtacgctGAAACTGAAAGT
9603	DNA; Synthetic Construct	ACTTTCAGTTTCtgctttACTTTCAGTTTCtgatctACTTTCAGTTTCtacgctACT TTCAGTTTCtgccgctACTTTCAGTTTCtgctttACTTTCAGTTTCtgatctACTTT CAGTTTCtacgctACTTTCAGTTTC
9604	DNA; Synthetic Construct	GAAACTGAAACCtgctttGAAACTGAAACCtgatctGAAACTGAAACCtacgctGAA ACTGAAACCtgccgctGAAACTGAAACCtgctttGAAACTGAAACCtgatctGAAAC TGAAACCtacgctGAAACTGAAACC
9605	DNA; Synthetic Construct	GGTTTCAGTTTCtgctttGGTTTCAGTTTCtgatctGGTTTCAGTTTCtacgctGGT TTCAGTTTCtgccgctGGTTTCAGTTTCtgctttGGTTTCAGTTTCtgatctGGTTT CAGTTTCtacgctGGTTTCAGTTTC
9606	DNA; Synthetic Construct	GAAACTGAAACTtgctttGAAACTGAAACTtgatctGAAACTGAAACTtacgctGAA ACTGAAACTtgccgctGAAACTGAAACTtgctttGAAACTGAAACTtgatctGAAAC TGAAACTtacgctGAAACTGAAACT
9607	DNA; Synthetic Construct	AGTTTCAGTTTCtgctttAGTTTCAGTTTCtgatctAGTTTCAGTTTCtacgctAGT TTCAGTTTCtgccgctAGTTTCAGTTTCtgctttAGTTTCAGTTTCtgatctAGTTT CAGTTTCtacgctAGTTTCAGTTTC
9608	DNA; Synthetic Construct	GTGACCTTGAtgccgctGTGACCTTGAtgctttGTGACCTTGAtgatctGTGACCTT GAtacgctGTGACCTTGAtgccgctGTGACCTTGAtgctttGTGACCTTGAtgatct GTGACCTTGAtacgctGTGACCTTGA
9609	DNA; Synthetic Construct	TCAAGGTCACtgccgctTCAAGGTCACtgctttTCAAGGTCACtgatctTCAAGGTC ACtacgctTCAAGGTCACtgccgctTCAAGGTCACtgctttTCAAGGTCACtgatct TCAAGGTCACtacgctTCAAGGTCAC
9610	DNA; Synthetic Construct	AACAGGAAATtgccgctAACAGGAAATtgctttAACAGGAAATtgatctAACAGGAA ATtacgctAACAGGAAATtgccgctAACAGGAAATtgctttAACAGGAAATtgatct AACAGGAAATtacgctAACAGGAAAT
9611	DNA; Synthetic Construct	ATTTCCTGTTgccgctATTTCCTGTTtgctttATTTCCTGTTgatctATTTCCTG TTtacgctATTTCCTGTTtgccgctATTTCCTGTTtgctttATTTCCTGTTgatct ATTTCCTGTTtacgctATTTCCTGTT
9612	DNA; Synthetic Construct	AAACCACAAAtgccgctAAACCACAAAtgctttAAACCACAAAtgatctAAACCACA AAtacgctAAACCACAAAtgccgctAAACCACAAAtgctttAAACCACAAAtgatct AAACCACAAAtacgctAAACCACAAA
9613	DNA; Synthetic Construct	TTTGTGGTTTtgccgctTTTGTGGTTTtgctttTTTGTGGTTTtgatctTTTGTGGT TTtacgctTTTGTGGTTTtgccgctTTTGTGGTTTtgctttTTTGTGGTTTtgatct TTTGTGGTTTtacgctTTTGTGGTTT
9614	DNA; Synthetic Construct	ATTTCCTGTtacgctATTTCCTGTtgccgctATTTCCTGTtgctttATTTCCTGTtg atctATTTCCTGTtacgctATTTCCTGTtgccgctATTTCCTGTtgctttATTTCCT GTtgatctATTTCCTGTtacgctATTTCCTGT
9615	DNA; Synthetic Construct	ACAGGAAATtacgctACAGGAAATtgccgctACAGGAAATtgctttACAGGAAATtg atctACAGGAAATtacgctACAGGAAATtgccgctACAGGAAATtgctttACAGGAA ATtgatctACAGGAAATtacgctACAGGAAAT
9616	DNA; Synthetic Construct	ACCGGAAGTGtgccgctACCGGAAGTGtgctttACCGGAAGTGtgatctACCGGAAG TGtacgctACCGGAAGTGtgccgctACCGGAAGTGtgctttACCGGAAGTGtgatct ACCGGAAGTGtacgctACCGGAAGTG
9617	DNA; Synthetic Construct	CACTTCCGGTtgccgctCACTTCCGGTtgctttCACTTCCGGTtgatctCACTTCCG GTtacgctCACTTCCGGTtgccgctCACTTCCGGTtgctttCACTTCCGGTtgatct CACTTCCGGTtacgctCACTTCCGGT
9618	DNA; Synthetic Construct	AGGGGATTTCCCtgctttAGGGGATTTCCCtgatctAGGGGATTTCCCtacgctAGG GGATTTCCCtgccgctAGGGGATTTCCCtgctttAGGGGATTTCCCtgatctAGGGG ATTTCCCtacgctAGGGGATTTCCC
9619	DNA; Synthetic Construct	GGGAAATCCCCTtgctttGGGAAATCCCCTtgatctGGGAAATCCCCTtacgctGGG AAATCCCCTtgccgctGGGAAATCCCCTtgctttGGGAAATCCCCTtgatctGGGAA ATCCCCTtacgctGGGAAATCCCCT

9620	DNA; Synthetic Construct	GAAAGTGAAAGTtgctttGAAAGTGAAAGTtgatctGAAAGTGAAAGTtacgctGAA AGTGAAAGTtgccgctGAAAGTGAAAGTtgctttGAAAGTGAAAGTtgatctGAAAG TGAAAGTtacgctGAAAGTGAAAGT
9621	DNA; Synthetic Construct	ACTTTCACTTTCtgctttACTTTCACTTTCtgatctACTTTCACTTTCtacgctACT TTCACTTTCtgccgctACTTTCACTTTCtgctttACTTTCACTTTCtgatctACTTT CACTTTCtacgctACTTTCACTTTC
9622	DNA; Synthetic Construct	GACACGCCCCCtgccgctGACACGCCCCCtgctttGACACGCCCCCtgatctGACAC GCCCCCtacgctGACACGCCCCCtgccgctGACACGCCCCCtgctttGACACGCCCC CtgatctGACACGCCCCCtacgctGACACGCCCCC
9623	DNA; Synthetic Construct	GGGGGCGTGTCtgccgctGGGGGCGTGTCtgctttGGGGGCGTGTCtgatctGGGGG CGTGTCtacgctGGGGGCGTGTCtgccgctGGGGGCGTGTCtgctttGGGGGCGTGT CtgatctGGGGGCGTGTCtacgctGGGGGCGTGTC
9624	DNA; Synthetic Construct	GCCACGCCCCCtgccgctGCCACGCCCCCtgctttGCCACGCCCCCtgatctGCCAC GCCCCCtacgctGCCACGCCCCCtgccgctGCCACGCCCCCtgctttGCCACGCCCC CtgatctGCCACGCCCCCtacgctGCCACGCCCCC
9625	DNA; Synthetic Construct	GGGGGCGTGGCtgccgctGGGGGCGTGGCtgctttGGGGGCGTGGCtgatctGGGGG CGTGGCtacgctGGGGGCGTGGCtgccgctGGGGGCGTGGCtgctttGGGGGCGTGG CtgatctGGGGGCGTGGCtacgctGGGGGCGTGGC
9626	DNA; Synthetic Construct	ACGCCCACGCAtgccgctACGCCCACGCAtgctttACGCCCACGCAtgatctACGCC CACGCAtacgctACGCCCACGCAtgccgctACGCCCACGCAtgctttACGCCCACGC AtgatctACGCCCACGCAtacgctACGCCCACGCA
9627	DNA; Synthetic Construct	TGCGTGGGCGTtgccgcttGCGTGGGCGTtgctttGCGTGGGCGTtgatcttGCGT GGGCGTtacgcttGCGTGGGCGTtgccgctTGCGTGGGCGTtgctttGCGTGGGCG TtgatctTGCGTGGGCGTtacgcttGCGTGGGCGT
9628	DNA; Synthetic Construct	CCGCCCACGCAtgccgctCCGCCCACGCAtgctttCCGCCCACGCAtgatctCCGCC CACGCAtacgctCCGCCCACGCAtgccgctCCGCCCACGCAtgctttCCGCCCACGC AtgatctCCGCCCACGCAtacgctCCGCCCACGCA
9629	DNA; Synthetic Construct	TGCGTGGGCGGtgccgcttGCGTGGGCGGtgctttGCGTGGGCGGtgatcttGCGT GGGCGGtacgcttGCGTGGGCGGtgccgctTGCGTGGGCGGtgctttGCGTGGGCG GtgatctTGCGTGGGCGGtacgcttGCGTGGGCGG
9630	DNA; Synthetic Construct	GGGAATTTCCAtgccgctGGGAATTTCCAtgctttGGGAATTTCCAtgatctGGGAA TTTCCAtacgctGGGAATTTCCAtgccgctGGGAATTTCCAtgctttGGGAATTTCC AtgatctGGGAATTTCCAtacgctGGGAATTTCCA
9631	DNA; Synthetic Construct	TGGAAATTCCCtgccgcttGGAAATTCCCtgctttGGAAATTCCCtgatcttGGAA ATTCCCtacgcttGGAAATTCCCtgccgctTGGAAATTCCCtgctttGGAAATTCC CtgatctTGGAAATTCCCtacgcttGGAAATTCCC
9632	DNA; Synthetic Construct	GGGAATTTCCCtgccgctGGGAATTTCCCtgctttGGGAATTTCCCtgatctGGGAA TTTCCCtacgctGGGAATTTCCCtgccgctGGGAATTTCCCtgctttGGGAATTTCC CtgatctGGGAATTTCCCtacgctGGGAATTTCCC
9633	DNA; Synthetic Construct	GGGAAATTCCCtgccgctGGGAAATTCCCtgctttGGGAAATTCCCtgatctGGGAA ATTCCCtacgctGGGAAATTCCCtgccgctGGGAAATTCCCtgctttGGGAAATTCC CtgatctGGGAAATTCCCtacgctGGGAAATTCCC
9634	DNA; Synthetic Construct	GGGACTTTCCAtgccgctGGGACTTTCCAtgctttGGGACTTTCCAtgatctGGGAC TTTCCAtacgctGGGACTTTCCAtgccgctGGGACTTTCCAtgctttGGGACTTTCC AtgatctGGGACTTTCCAtacgctGGGACTTTCCA
9635	DNA; Synthetic Construct	TGGAAAGTCCCtgccgcttGGAAAGTCCCtgctttGGAAAGTCCCtgatcttGGAA AGTCCCtacgcttGGAAAGTCCCtgccgctTGGAAAGTCCCtgctttGGAAAGTCC CtgatctTGGAAAGTCCCtacgcttGGAAAGTCCC
9636	DNA; Synthetic Construct	GGGACTTTCCCtgccgctGGGACTTTCCCtgctttGGGACTTTCCCtgatctGGGAC TTTCCCtacgctGGGACTTTCCCtgccgctGGGACTTTCCCtgctttGGGACTTTCC CtgatctGGGACTTTCCCtacgctGGGACTTTCCC
9637	DNA; Synthetic Construct	GGGAAAGTCCCtgccgctGGGAAAGTCCCtgctttGGGAAAGTCCCtgatctGGGAA AGTCCCtacgctGGGAAAGTCCCtgccgctGGGAAAGTCCCtgctttGGGAAAGTCC CtgatctGGGAAAGTCCCtacgctGGGAAAGTCCC

9638	DNA; Synthetic Construct	GGGGATTTCCAtgccgctGGGGATTTCCAtgctttGGGGATTTCCAtgatctGGGGA TTTCCAtacgctGGGGATTTCCAtgccgctGGGGATTTCCAtgctttGGGGATTTCC AtgatctGGGGATTTCCAtacgctGGGGATTTCCA
9639	DNA; Synthetic Construct	TGGAAATCCCCtgccgctTGGAAATCCCCtgctttTGGAAATCCCCtgatctTGGAA ATCCCCtacgctTGGAAATCCCCtgccgctTGGAAATCCCCtgctttTGGAAATCCC CtgatctTGGAAATCCCCtacgctTGGAAATCCCC
9640	DNA; Synthetic Construct	GGGGATTTCCCtgccgctGGGGATTTCCCtgctttGGGGATTTCCCtgatctGGGGA TTTCCCtacgctGGGGATTTCCCtgccgctGGGGATTTCCCtgctttGGGGATTTCC CtgatctGGGGATTTCCCtacgctGGGGATTTCCC
9641	DNA; Synthetic Construct	GGGAAATCCCCtgccgctGGGAAATCCCCtgctttGGGAAATCCCCtgatctGGGAA ATCCCCtacgctGGGAAATCCCCtgccgctGGGAAATCCCCtgctttGGGAAATCCC CtgatctGGGAAATCCCCtacgctGGGAAATCCCC
9642	DNA; Synthetic Construct	GGGGCTTTCCAtgccgctGGGGCTTTCCAtgctttGGGGCTTTCCAtgatctGGGGC TTTCCAtacgctGGGGCTTTCCAtgccgctGGGGCTTTCCAtgctttGGGGCTTTCC AtgatctGGGGCTTTCCAtacgctGGGGCTTTCCA
9643	DNA; Synthetic Construct	TGGAAAGCCCCtgccgctTGGAAAGCCCCtgctttTGGAAAGCCCCtgatctTGGAA AGCCCCtacgctTGGAAAGCCCCtgccgctTGGAAAGCCCCtgctttTGGAAAGCCC CtgatctTGGAAAGCCCCtacgctTGGAAAGCCCC
9644	DNA; Synthetic Construct	GGGGCTTTCCCtgccgctGGGGCTTTCCCtgctttGGGGCTTTCCCtgatctGGGGC TTTCCCtacgctGGGGCTTTCCCtgccgctGGGGCTTTCCCtgctttGGGGCTTTCC CtgatctGGGGCTTTCCCtacgctGGGGCTTTCCC
9645	DNA; Synthetic Construct	GGGAAAGCCCCtgccgctGGGAAAGCCCCtgctttGGGAAAGCCCCtgatctGGGAA AGCCCCtacgctGGGAAAGCCCCtgccgctGGGAAAGCCCCtgctttGGGAAAGCCC CtgatctGGGAAAGCCCCtacgctGGGAAAGCCCC
9646	DNA; Synthetic Construct	CAAACCACAGtgccgctCAAACCACAGtgctttCAAACCACAGtgatctCAAACCAC AGtacgctCAAACCACAGtgccgctCAAACCACAGtgctttCAAACCACAGtgatct CAAACCACAGtacgctCAAACCACAG
9647	DNA; Synthetic Construct	CTGTGGTTTGtgccgctCTGTGGTTTGtgctttCTGTGGTTTGtgatctCTGTGGTT TGtacgctCTGTGGTTTGtgccgctCTGTGGTTTGtgctttCTGTGGTTTGtgatct CTGTGGTTTGtacgctCTGTGGTTTG
9648	DNA; Synthetic Construct	AACCACAAtacgctAACCACAAtgccgctAACCACAAtgctttAACCACAAtgatct AACCACAAtacgctAACCACAAtgccgctAACCACAAtgctttAACCACAAtgatct AACCACAAtacgctAACCACAA
9649	DNA; Synthetic Construct	TTGTGGTTtacgctTTGTGGTTtgccgctTTGTGGTTtgctttTTGTGGTTtgatct TTGTGGTTtacgctTTGTGGTTtgccgctTTGTGGTTtgctttTTGTGGTTtgatct TTGTGGTTtacgctTTGTGGTT
9650	DNA; Synthetic Construct	AACCGCAAtacgctAACCGCAAtgccgctAACCGCAAtgctttAACCGCAAtgatct AACCGCAAtacgctAACCGCAAtgccgctAACCGCAAtgctttAACCGCAAtgatct AACCGCAAtacgctAACCGCAA
9651	DNA; Synthetic Construct	TTGCGGTTtacgctTTGCGGTTtgccgctTTGCGGTTtgctttTTGCGGTTtgatct TTGCGGTTtacgctTTGCGGTTtgccgctTTGCGGTTtgctttTTGCGGTTtgatct TTGCGGTTtacgctTTGCGGTT
9652	DNA; Synthetic Construct	AAACCACAAtacgctAAACCACAAtgccgctAAACCACAAtgctttAAACCACAAtg atctAAACCACAAtacgctAAACCACAAtgccgctAAACCACAAtgctttAAACCAC AAtgatctAAACCACAAtacgctAAACCACAA
9653	DNA; Synthetic Construct	TTGTGGTTTtacgctTTGTGGTTTtgccgctTTGTGGTTTtgctttTTGTGGTTTtg atctTTGTGGTTTtacgctTTGTGGTTTtgccgctTTGTGGTTTtgctttTTGTGGT TTtgatctTTGTGGTTTtacgctTTGTGGTTT
9654	DNA; Synthetic Construct	AAACCACAGtacgctAAACCACAGtgccgctAAACCACAGtgctttAAACCACAGtg atctAAACCACAGtacgctAAACCACAGtgccgctAAACCACAGtgctttAAACCAC AGtgatctAAACCACAGtacgctAAACCACAG
9655	DNA; Synthetic Construct	CTGTGGTTTtacgctCTGTGGTTTtgccgctCTGTGGTTTtgctttCTGTGGTTTtg atctCTGTGGTTTtacgctCTGTGGTTTtgccgctCTGTGGTTTtgctttCTGTGGT TTtgatctCTGTGGTTTtacgctCTGTGGTTT

9656	DNA; Synthetic Construct	AAACCACATtacgctAAACCACATtgccgctAAACCACATtgctttAAACCACATtg atctAAACCACATtacgctAAACCACATtgccgctAAACCACATtgctttAAACCAC ATtgatctAAACCACATtacgctAAACCACAT
9657	DNA; Synthetic Construct	ATGTGGTTTtacgctATGTGGTTTtgccgctATGTGGTTTtgctttATGTGGTTTtg atctATGTGGTTTtacgctATGTGGTTTtgccgctATGTGGTTTtgctttATGTGGT TTtgatctATGTGGTTTtacgctATGTGGTTT
9658	DNA; Synthetic Construct	TAACCACAAtacgctTAACCACAAtgccgctTAACCACAAtgctttTAACCACAAtg atctTAACCACAAtacgctTAACCACAAtgccgctTAACCACAAtgctttTAACCAC AAtgatctTAACCACAAtacgctTAACCACAA
9659	DNA; Synthetic Construct	TTGTGGTTAtacgctTTGTGGTTAtgccgctTTGTGGTTAtgctttTTGTGGTTAtg atctTTGTGGTTAtacgctTTGTGGTTAtgccgctTTGTGGTTAtgctttTTGTGGT TAtgatctTTGTGGTTAtacgctTTGTGGTTA
9660	DNA; Synthetic Construct	TAACCACAGtacgctTAACCACAGtgccgctTAACCACAGtgctttTAACCACAGtg atctTAACCACAGtacgctTAACCACAGtgccgctTAACCACAGtgctttTAACCAC AGtgatctTAACCACAGtacgctTAACCACAG
9661	DNA; Synthetic Construct	CTGTGGTTAtacgctCTGTGGTTAtgccgctCTGTGGTTAtgctttCTGTGGTTAtg atctCTGTGGTTAtacgctCTGTGGTTAtgccgctCTGTGGTTAtgctttCTGTGGT TAtgatctCTGTGGTTAtacgctCTGTGGTTA
9662	DNA; Synthetic Construct	TAACCACATtacgctTAACCACATtgccgctTAACCACATtgctttTAACCACATtg atctTAACCACATtacgctTAACCACATtgccgctTAACCACATtgctttTAACCAC ATtgatctTAACCACATtacgctTAACCACAT
9663	DNA; Synthetic Construct	ATGTGGTTAtacgctATGTGGTTAtgccgctATGTGGTTAtgctttATGTGGTTAtg atctATGTGGTTAtacgctATGTGGTTAtgccgctATGTGGTTAtgctttATGTGGT TAtgatctATGTGGTTAtacgctATGTGGTTA
9664	DNA; Synthetic Construct	AACCGGAAGTtgccgctAACCGGAAGTtgctttAACCGGAAGTtgatctAACCGGAA GTtacgctAACCGGAAGTtgccgctAACCGGAAGTtgctttAACCGGAAGTtgatct AACCGGAAGTtacgctAACCGGAAGT
9665	DNA; Synthetic Construct	ACTTCCGGTTtgccgctACTTCCGGTTtgctttACTTCCGGTTtgatctACTTCCGG TTtacgctACTTCCGGTTtgccgctACTTCCGGTTtgctttACTTCCGGTTtgatct ACTTCCGGTTtacgctACTTCCGGTT
9666	DNA; Synthetic Construct	AAGGTCAtgatctAAGGTCAtacgctAAGGTCAtgccgctAAGGTCAtgctttAAGG TCAtgatctAAGGTCAtacgctAAGGTCAtgccgctAAGGTCAtgctttAAGGTCAt gatctAAGGTCAtacgctAAGGTCA
9667	DNA; Synthetic Construct	TGACCTTtgatctTGACCTTtacgctTGACCTTtgccgctTGACCTTtgctttTGAC CTTtgatctTGACCTTtacgctTGACCTTtgccgctTGACCTTtgctttTGACCTTt gatctTGACCTTtacgctTGACCTT
9668	DNA; Synthetic Construct	AAAGGTCAtacgctAAAGGTCAtgccgctAAAGGTCAtgctttAAAGGTCAtgatct AAAGGTCAtacgctAAAGGTCAtgccgctAAAGGTCAtgctttAAAGGTCAtgatct AAAGGTCAtacgctAAAGGTCA
9669	DNA; Synthetic Construct	TGACCTTTtacgctTGACCTTTtgccgctTGACCTTTtgctttTGACCTTTtgatct TGACCTTTtacgctTGACCTTTtgccgctTGACCTTTtgctttTGACCTTTtgatct TGACCTTTtacgctTGACCTTT
9670	DNA; Synthetic Construct	AAACCACAAtacgctAAACCACAAtgccgctAAACCACAAtgctttAAACCACAAtg atctAAACCACAAtacgctAAACCACAAtgccgctAAACCACAAtgctttAAACCAC AAtgatctAAACCACAAtacgctAAACCACAA
9671	DNA; Synthetic Construct	TTGTGGTTTtacgctTTGTGGTTTtgccgctTTGTGGTTTtgctttTTGTGGTTTtg atctTTGTGGTTTtacgctTTGTGGTTTtgccgctTTGTGGTTTtgctttTTGTGGT TTtgatctTTGTGGTTTtacgctTTGTGGTTT
9672	DNA; Synthetic Construct	AAACCACAGtacgctAAACCACAGtgccgctAAACCACAGtgctttAAACCACAGtg atctAAACCACAGtacgctAAACCACAGtgccgctAAACCACAGtgctttAAACCAC AGtgatctAAACCACAGtacgctAAACCACAG
9673	DNA; Synthetic Construct	CTGTGGTTTtacgctCTGTGGTTTtgccgctCTGTGGTTTtgctttCTGTGGTTTtg atctCTGTGGTTTtacgctCTGTGGTTTtgccgctCTGTGGTTTtgctttCTGTGGT TTtgatctCTGTGGTTTtacgctCTGTGGTTT

9674	DNA; Synthetic Construct	TAACCACAAtacgctTAACCACAAtgccgctTAACCACAAtgctttTAACCACAAtg atctTAACCACAAtacgctTAACCACAAtgccgctTAACCACAAtgctttTAACCAC AAtgatctTAACCACAAtacgctTAACCACAA
9675	DNA; Synthetic Construct	TTGTGGTTAtacgctTTGTGGTTAtgccgctTTGTGGTTAtgctttTTGTGGTTAtg atctTTGTGGTTAtacgctTTGTGGTTAtgccgctTTGTGGTTAtgctttTTGTGGT TAtgatctTTGTGGTTAtacgctTTGTGGTTA
9676	DNA; Synthetic Construct	TAACCACAGtacgctTAACCACAGtgccgctTAACCACAGtgctttTAACCACAGtg atctTAACCACAGtacgctTAACCACAGtgccgctTAACCACAGtgctttTAACCAC AGtgatctTAACCACAGtacgctTAACCACAG
9677	DNA; Synthetic Construct	CTGTGGTTAtacgctCTGTGGTTAtgccgctCTGTGGTTAtgctttCTGTGGTTAtg atctCTGTGGTTAtacgctCTGTGGTTAtgccgctCTGTGGTTAtgctttCTGTGGT TAtgatctCTGTGGTTAtacgctCTGTGGTTA
9678	DNA; Synthetic Construct	ACAGGAAGTGtgccgctACAGGAAGTGtgctttACAGGAAGTGtgatctACAGGAAG TGtacgctACAGGAAGTGtgccgctACAGGAAGTGtgctttACAGGAAGTGtgatct ACAGGAAGTGtacgctACAGGAAGTG
9679	DNA; Synthetic Construct	CACTTCCTGTtgccgctCACTTCCTGTtgctttCACTTCCTGTtgatctCACTTCCT GTtacgctCACTTCCTGTtgccgctCACTTCCTGTtgctttCACTTCCTGTtgatct CACTTCCTGTtacgctCACTTCCTGT
9680	DNA; Synthetic Construct	ACTTCCGGAtacgctACTTCCGGAtgccgctACTTCCGGAtgctttACTTCCGGAtg atctACTTCCGGAtacgctACTTCCGGAtgccgctACTTCCGGAtgctttACTTCCG GAtgatctACTTCCGGAtacgctACTTCCGGA
9681	DNA; Synthetic Construct	TCCGGAAGTtacgctTCCGGAAGTtgccgctTCCGGAAGTtgctttTCCGGAAGTtg atctTCCGGAAGTtacgctTCCGGAAGTtgccgctTCCGGAAGTtgctttTCCGGAA GTtgatctTCCGGAAGTtacgctTCCGGAAGT
9682	DNA; Synthetic Construct	ACTTCCGGCtacgctACTTCCGGCtgccgctACTTCCGGCtgctttACTTCCGGCtg atctACTTCCGGCtacgctACTTCCGGCtgccgctACTTCCGGCtgctttACTTCCG GCtgatctACTTCCGGCtacgctACTTCCGGC
9683	DNA; Synthetic Construct	GCCGGAAGTtacgctGCCGGAAGTtgccgctGCCGGAAGTtgctttGCCGGAAGTtg atctGCCGGAAGTtacgctGCCGGAAGTtgccgctGCCGGAAGTtgctttGCCGGAA GTtgatctGCCGGAAGTtacgctGCCGGAAGT
9684	DNA; Synthetic Construct	ACTTCCGGTtacgctACTTCCGGTtgccgctACTTCCGGTtgctttACTTCCGGTtg atctACTTCCGGTtacgctACTTCCGGTtgccgctACTTCCGGTtgctttACTTCCG GTtgatctACTTCCGGTtacgctACTTCCGGT
9685	DNA; Synthetic Construct	ACCGGAAGTtacgctACCGGAAGTtgccgctACCGGAAGTtgctttACCGGAAGTtg atctACCGGAAGTtacgctACCGGAAGTtgccgctACCGGAAGTtgctttACCGGAA GTtgatctACCGGAAGTtacgctACCGGAAGT
9686	DNA; Synthetic Construct	ATTTCCGGAtacgctATTTCCGGAtgccgctATTTCCGGAtgctttATTTCCGGAtg atctATTTCCGGAtacgctATTTCCGGAtgccgctATTTCCGGAtgctttATTTCCG GAtgatctATTTCCGGAtacgctATTTCCGGA
9687	DNA; Synthetic Construct	TCCGGAAATtacgctTCCGGAAATtgccgctTCCGGAAATtgctttTCCGGAAATtg atctTCCGGAAATtacgctTCCGGAAATtgccgctTCCGGAAATtgctttTCCGGAA ATtgatctTCCGGAAATtacgctTCCGGAAAT
9688	DNA; Synthetic Construct	ATTTCCGGCtacgctATTTCCGGCtgccgctATTTCCGGCtgctttATTTCCGGCtg atctATTTCCGGCtacgctATTTCCGGCtgccgctATTTCCGGCtgctttATTTCCG GCtgatctATTTCCGGCtacgctATTTCCGGC
9689	DNA; Synthetic Construct	GCCGGAAATtacgctGCCGGAAATtgccgctGCCGGAAATtgctttGCCGGAAATtg atctGCCGGAAATtacgctGCCGGAAATtgccgctGCCGGAAATtgctttGCCGGAA ATtgatctGCCGGAAATtacgctGCCGGAAAT
9690	DNA; Synthetic Construct	ATTTCCGGTtacgctATTTCCGGTtgccgctATTTCCGGTtgctttATTTCCGGTtg atctATTTCCGGTtacgctATTTCCGGTtgccgctATTTCCGGTtgctttATTTCCG GTtgatctATTTCCGGTtacgctATTTCCGGT
9691	DNA; Synthetic Construct	ACCGGAAATtacgctACCGGAAATtgccgctACCGGAAATtgctttACCGGAAATtg atctACCGGAAATtacgctACCGGAAATtgccgctACCGGAAATtgctttACCGGAA ATtgatctACCGGAAATtacgctACCGGAAAT

9692	DNA; Synthetic Construct	GCTTCCGGAtacgctGCTTCCGGAtgccgctGCTTCCGGAtgctttGCTTCCGGAtg atctGCTTCCGGAtacgctGCTTCCGGAtgccgctGCTTCCGGAtgctttGCTTCCG GAtgatctGCTTCCGGAtacgctGCTTCCGGA
9693	DNA; Synthetic Construct	TCCGGAAGCtacgctTCCGGAAGCtgccgctTCCGGAAGCtgctttTCCGGAAGCtg atctTCCGGAAGCtacgctTCCGGAAGCtgccgctTCCGGAAGCtgctttTCCGGAA GCtgatctTCCGGAAGCtacgctTCCGGAAGC
9694	DNA; Synthetic Construct	GCTTCCGGCtacgctGCTTCCGGCtgccgctGCTTCCGGCtgctttGCTTCCGGCtg atctGCTTCCGGCtacgctGCTTCCGGCtgccgctGCTTCCGGCtgctttGCTTCCG GCtgatctGCTTCCGGCtacgctGCTTCCGGC
9695	DNA; Synthetic Construct	GCCGGAAGCtacgctGCCGGAAGCtgccgctGCCGGAAGCtgctttGCCGGAAGCtg atctGCCGGAAGCtacgctGCCGGAAGCtgccgctGCCGGAAGCtgctttGCCGGAA GCtgatctGCCGGAAGCtacgctGCCGGAAGC
9696	DNA; Synthetic Construct	GCTTCCGGTtacgctGCTTCCGGTtgccgctGCTTCCGGTtgctttGCTTCCGGTtg atctGCTTCCGGTtacgctGCTTCCGGTtgccgctGCTTCCGGTtgctttGCTTCCG GTtgatctGCTTCCGGTtacgctGCTTCCGGT
9697	DNA; Synthetic Construct	ACCGGAAGCtacgctACCGGAAGCtgccgctACCGGAAGCtgctttACCGGAAGCtg atctACCGGAAGCtacgctACCGGAAGCtgccgctACCGGAAGCtgctttACCGGAA GCtgatctACCGGAAGCtacgctACCGGAAGC
9698	DNA; Synthetic Construct	GTTTCCGGAtacgctGTTTCCGGAtgccgctGTTTCCGGAtgctttGTTTCCGGAtg atctGTTTCCGGAtacgctGTTTCCGGAtgccgctGTTTCCGGAtgctttGTTTCCG GAtgatctGTTTCCGGAtacgctGTTTCCGGA
9699	DNA; Synthetic Construct	TCCGGAAACtacgctTCCGGAAACtgccgctTCCGGAAACtgctttTCCGGAAACtg atctTCCGGAAACtacgctTCCGGAAACtgccgctTCCGGAAACtgctttTCCGGAA ACtgatctTCCGGAAACtacgctTCCGGAAAC
9700	DNA; Synthetic Construct	GTTTCCGGCtacgctGTTTCCGGCtgccgctGTTTCCGGCtgctttGTTTCCGGCtg atctGTTTCCGGCtacgctGTTTCCGGCtgccgctGTTTCCGGCtgctttGTTTCCG GCtgatctGTTTCCGGCtacgctGTTTCCGGC
9701	DNA; Synthetic Construct	GCCGGAAACtacgctGCCGGAAACtgccgctGCCGGAAACtgctttGCCGGAAACtg atctGCCGGAAACtacgctGCCGGAAACtgccgctGCCGGAAACtgctttGCCGGAA ACtgatctGCCGGAAACtacgctGCCGGAAAC
9702	DNA; Synthetic Construct	GTTTCCGGTtacgctGTTTCCGGTtgccgctGTTTCCGGTtgctttGTTTCCGGTtg atctGTTTCCGGTtacgctGTTTCCGGTtgccgctGTTTCCGGTtgctttGTTTCCG GTtgatctGTTTCCGGTtacgctGTTTCCGGT
9703	DNA; Synthetic Construct	ACCGGAAACtacgctACCGGAAACtgccgctACCGGAAACtgctttACCGGAAACtg atctACCGGAAACtacgctACCGGAAACtgccgctACCGGAAACtgctttACCGGAA ACtgatctACCGGAAACtacgctACCGGAAAC
9704	DNA; Synthetic Construct	AGAGGAAGTGtgccgctAGAGGAAGTGtgctttAGAGGAAGTGtgatctAGAGGAAG TGtacgctAGAGGAAGTGtgccgctAGAGGAAGTGtgctttAGAGGAAGTGtgatct AGAGGAAGTGtacgctAGAGGAAGTG
9705	DNA; Synthetic Construct	CACTTCCTCTtgccgctCACTTCCTCTtgctttCACTTCCTCTtgatctCACTTCCT CTtacgctCACTTCCTCTtgccgctCACTTCCTCTtgctttCACTTCCTCTtgatct CACTTCCTCTtacgctCACTTCCTCT
9706	DNA; Synthetic Construct	CCGCCCACGCtgccgctCCGCCCACGCtgctttCCGCCCACGCtgatctCCGCCCAC GCtacgctCCGCCCACGCtgccgctCCGCCCACGCtgctttCCGCCCACGCtgatct CCGCCCACGCtacgctCCGCCCACGC
9707	DNA; Synthetic Construct	GCGTGGGCGGtgccgctGCGTGGGCGGtgctttGCGTGGGCGGtgatctGCGTGGGC GGtacgctGCGTGGGCGGtgccgctGCGTGGGCGGtgctttGCGTGGGCGGtgatct GCGTGGGCGGtacgctGCGTGGGCGG
9708	DNA; Synthetic Construct	CCGCCCCCGCtgccgctCCGCCCCCGCtgctttCCGCCCCCGCtgatctCCGCCCCC GCtacgctCCGCCCCCGCtgccgctCCGCCCCCGCtgctttCCGCCCCCGCtgatct CCGCCCCCGCtacgctCCGCCCCCGC
9709	DNA; Synthetic Construct	GCGGGGGCGGtgccgctGCGGGGGCGGtgctttGCGGGGGCGGtgatctGCGGGGGC GGtacgctGCGGGGGCGGtgccgctGCGGGGGCGGtgctttGCGGGGGCGGtgatct GCGGGGGCGGtacgctGCGGGGGCGG

9710	DNA; Synthetic Construct	GCTGTGGTTTtgccgctGCTGTGGTTTtgctttGCTGTGGTTTtgatctGCTGTGGT TTtacgctGCTGTGGTTTtgccgctGCTGTGGTTTtgctttGCTGTGGTTTtgatct GCTGTGGTTTtacgctGCTGTGGTTT
9711	DNA; Synthetic Construct	AAACCACAGCtgccgctAAACCACAGCtgctttAAACCACAGCtgatctAAACCACA GCtacgctAAACCACAGCtgccgctAAACCACAGCtgctttAAACCACAGCtgatct AAACCACAGCtacgctAAACCACAGC
9712	DNA; Synthetic Construct	AACCGGAAGTtgccgctAACCGGAAGTtgctttAACCGGAAGTtgatctAACCGGAA GTtacgctAACCGGAAGTtgccgctAACCGGAAGTtgctttAACCGGAAGTtgatct AACCGGAAGTtacgctAACCGGAAGT
9713	DNA; Synthetic Construct	ACTTCCGGTTtgccgctACTTCCGGTTtgctttACTTCCGGTTtgatctACTTCCGG TTtacgctACTTCCGGTTtgccgctACTTCCGGTTtgctttACTTCCGGTTtgatct ACTTCCGGTTtacgctACTTCCGGTT
9714	DNA; Synthetic Construct	ACAGGAAGTGtgccgctACAGGAAGTGtgctttACAGGAAGTGtgatctACAGGAAG TGtacgctACAGGAAGTGtgccgctACAGGAAGTGtgctttACAGGAAGTGtgatct ACAGGAAGTGtacgctACAGGAAGTG
9715	DNA; Synthetic Construct	CACTTCCTGTtgccgctCACTTCCTGTtgctttCACTTCCTGTtgatctCACTTCCT GTtacgctCACTTCCTGTtgccgctCACTTCCTGTtgctttCACTTCCTGTtgatct CACTTCCTGTtacgctCACTTCCTGT
9716	DNA; Synthetic Construct	ACTCCCACACACtgctttACTCCCACACACtgatctACTCCCACACACtacgctACT CCCACACACtgccgctACTCCCACACACtgctttACTCCCACACACtgatctACTCC CACACACtacgctACTCCCACACAC
9717	DNA; Synthetic Construct	GTGTGTGGGAGTtgctttGTGTGTGGGAGTtgatctGTGTGTGGGAGTtacgctGTG TGTGGGAGTtgccgctGTGTGTGGGAGTtgctttGTGTGTGGGAGTtgatctGTGTG TGGGAGTtacgctGTGTGTGGGAGT
9718	DNA; Synthetic Construct	ACTCCCACACAGtgctttACTCCCACACAGtgatctACTCCCACACAGtacgctACT CCCACACAGtgccgctACTCCCACACAGtgctttACTCCCACACAGtgatctACTCC CACACAGtacgctACTCCCACACAG
9719	DNA; Synthetic Construct	CTGTGTGGGAGTtgctttCTGTGTGGGAGTtgatctCTGTGTGGGAGTtacgctCTG TGTGGGAGTtgccgctCTGTGTGGGAGTtgctttCTGTGTGGGAGTtgatctCTGTG TGGGAGTtacgctCTGTGTGGGAGT
9720	DNA; Synthetic Construct	ACTCCCACACATtgctttACTCCCACACATtgatctACTCCCACACATtacgctACT CCCACACATtgccgctACTCCCACACATtgctttACTCCCACACATtgatctACTCC CACACATtacgctACTCCCACACAT
9721	DNA; Synthetic Construct	ATGTGTGGGAGTtgctttATGTGTGGGAGTtgatctATGTGTGGGAGTtacgctATG TGTGGGAGTtgccgctATGTGTGGGAGTtgctttATGTGTGGGAGTtgatctATGTG TGGGAGTtacgctATGTGTGGGAGT
9722	DNA; Synthetic Construct	ACTCCCACGCACtgctttACTCCCACGCACtgatctACTCCCACGCACtacgctACT CCCACGCACtgccgctACTCCCACGCACtgctttACTCCCACGCACtgatctACTCC CACGCACtacgctACTCCCACGCAC
9723	DNA; Synthetic Construct	GTGCGTGGGAGTtgctttGTGCGTGGGAGTtgatctGTGCGTGGGAGTtacgctGTG CGTGGGAGTtgccgctGTGCGTGGGAGTtgctttGTGCGTGGGAGTtgatctGTGCG TGGGAGTtacgctGTGCGTGGGAGT
9724	DNA; Synthetic Construct	ACTCCCACGCAGtgctttACTCCCACGCAGtgatctACTCCCACGCAGtacgctACT CCCACGCAGtgccgctACTCCCACGCAGtgctttACTCCCACGCAGtgatctACTCC CACGCAGtacgctACTCCCACGCAG
9725	DNA; Synthetic Construct	CTGCGTGGGAGTtgctttCTGCGTGGGAGTtgatctCTGCGTGGGAGTtacgctCTG CGTGGGAGTtgccgctCTGCGTGGGAGTtgctttCTGCGTGGGAGTtgatctCTGCG TGGGAGTtacgctCTGCGTGGGAGT
9726	DNA; Synthetic Construct	ACTCCCACGCATtgctttACTCCCACGCATtgatctACTCCCACGCATtacgctACT CCCACGCATtgccgctACTCCCACGCATtgctttACTCCCACGCATtgatctACTCC CACGCATtacgctACTCCCACGCAT
9727	DNA; Synthetic Construct	ATGCGTGGGAGTtgctttATGCGTGGGAGTtgatctATGCGTGGGAGTtacgctATG CGTGGGAGTtgccgctATGCGTGGGAGTtgctttATGCGTGGGAGTtgatctATGCG TGGGAGTtacgctATGCGTGGGAGT

9728	DNA; Synthetic Construct	ACTCCCCCACACtgctttACTCCCCCACACtgatctACTCCCCCACACtacgctACT CCCCCACACtgccgctACTCCCCCACACtgctttACTCCCCCACACtgatctACTCC CCCACACtacgctACTCCCCCACAC
9729	DNA; Synthetic Construct	GTGTGGGGGAGTtgctttGTGTGGGGGAGTtgatctGTGTGGGGGAGTtacgctGTG TGGGGGAGTtgccgctGTGTGGGGGAGTtgctttGTGTGGGGGAGTtgatctGTGTG GGGGAGTtacgctGTGTGGGGGAGT
9730	DNA; Synthetic Construct	ACTCCCCCACAGtgctttACTCCCCCACAGtgatctACTCCCCCACAGtacgctACT CCCCCACAGtgccgctACTCCCCCACAGtgctttACTCCCCCACAGtgatctACTCC CCCACAGtacgctACTCCCCCACAG
9731	DNA; Synthetic Construct	CTGTGGGGGAGTtgctttCTGTGGGGGAGTtgatctCTGTGGGGGAGTtacgctCTG TGGGGGAGTtgccgctCTGTGGGGGAGTtgctttCTGTGGGGGAGTtgatctCTGTG GGGGAGTtacgctCTGTGGGGGAGT
9732	DNA; Synthetic Construct	ACTCCCCCACATtgctttACTCCCCCACATtgatctACTCCCCCACATtacgctACT CCCCCACATtgccgctACTCCCCCACATtgctttACTCCCCCACATtgatctACTCC CCCACATtacgctACTCCCCCACAT
9733	DNA; Synthetic Construct	ATGTGGGGGAGTtgctttATGTGGGGGAGTtgatctATGTGGGGGAGTtacgctATG TGGGGGAGTtgccgctATGTGGGGGAGTtgctttATGTGGGGGAGTtgatctATGTG GGGGAGTtacgctATGTGGGGGAGT
9734	DNA; Synthetic Construct	ACTCCCCCGCACtgctttACTCCCCCGCACtgatctACTCCCCCGCACtacgctACT CCCCCGCACtgccgctACTCCCCCGCACtgctttACTCCCCCGCACtgatctACTCC CCCGCACtacgctACTCCCCCGCAC
9735	DNA; Synthetic Construct	GTGCGGGGGAGTtgctttGTGCGGGGGAGTtgatctGTGCGGGGGAGTtacgctGTG CGGGGGAGTtgccgctGTGCGGGGGAGTtgctttGTGCGGGGGAGTtgatctGTGCG GGGGAGTtacgctGTGCGGGGGAGT
9736	DNA; Synthetic Construct	ACTCCCCCGCAGtgctttACTCCCCCGCAGtgatctACTCCCCCGCAGtacgctACT CCCCCGCAGtgccgctACTCCCCCGCAGtgctttACTCCCCCGCAGtgatctACTCC CCCGCAGtacgctACTCCCCCGCAG
9737	DNA; Synthetic Construct	CTGCGGGGGAGTtgctttCTGCGGGGGAGTtgatctCTGCGGGGGAGTtacgctCTG CGGGGGAGTtgccgctCTGCGGGGGAGTtgctttCTGCGGGGGAGTtgatctCTGCG GGGGAGTtacgctCTGCGGGGGAGT
9738	DNA; Synthetic Construct	ACTCCCCCGCATtgctttACTCCCCCGCATtgatctACTCCCCCGCATtacgctACT CCCCCGCATtgccgctACTCCCCCGCATtgctttACTCCCCCGCATtgatctACTCC CCCGCATtacgctACTCCCCCGCAT
9739	DNA; Synthetic Construct	ATGCGGGGGAGTtgctttATGCGGGGGAGTtgatctATGCGGGGGAGTtacgctATG CGGGGGAGTtgccgctATGCGGGGGAGTtgctttATGCGGGGGAGTtgatctATGCG GGGGAGTtacgctATGCGGGGGAGT
9740	DNA; Synthetic Construct	CCTCCCACACACtgctttCCTCCCACACACtgatctCCTCCCACACACtacgctCCT CCCACACACtgccgctCCTCCCACACACtgctttCCTCCCACACACtgatctCCTCC CACACACtacgctCCTCCCACACAC
9741	DNA; Synthetic Construct	GTGTGTGGGAGGtgctttGTGTGTGGGAGGtgatctGTGTGTGGGAGGtacgctGTG TGTGGGAGGtgccgctGTGTGTGGGAGGtgctttGTGTGTGGGAGGtgatctGTGTG TGGGAGGtacgctGTGTGTGGGAGG
9742	DNA; Synthetic Construct	CCTCCCACACAGtgctttCCTCCCACACAGtgatctCCTCCCACACAGtacgctCCT CCCACACAGtgccgctCCTCCCACACAGtgctttCCTCCCACACAGtgatctCCTCC CACACAGtacgctCCTCCCACACAG
9743	DNA; Synthetic Construct	CTGTGTGGGAGGtgctttCTGTGTGGGAGGtgatctCTGTGTGGGAGGtacgctCTG TGTGGGAGGtgccgctCTGTGTGGGAGGtgctttCTGTGTGGGAGGtgatctCTGTG TGGGAGGtacgctCTGTGTGGGAGG
9744	DNA; Synthetic Construct	CCTCCCACACATtgctttCCTCCCACACATtgatctCCTCCCACACATtacgctCCT CCCACACATtgccgctCCTCCCACACATtgctttCCTCCCACACATtgatctCCTCC CACACATtacgctCCTCCCACACAT
9745	DNA; Synthetic Construct	ATGTGTGGGAGGtgctttATGTGTGGGAGGtgatctATGTGTGGGAGGtacgctATG TGTGGGAGGtgccgctATGTGTGGGAGGtgctttATGTGTGGGAGGtgatctATGTG TGGGAGGtacgctATGTGTGGGAGG

9746	DNA; Synthetic Construct	CCTCCCACGCACtgctttCCTCCCACGCACtgatctCCTCCCACGCACtacgctCCT CCCACGCACtgccgctCCTCCCACGCACtgctttCCTCCCACGCACtgatctCCTCC CACGCACtacgctCCTCCCACGCAC
9747	DNA; Synthetic Construct	GTGCGTGGGAGGtgctttGTGCGTGGGAGGtgatctGTGCGTGGGAGGtacgctGTG CGTGGGAGGtgccgctGTGCGTGGGAGGtgctttGTGCGTGGGAGGtgatctGTGCG TGGGAGGtacgctGTGCGTGGGAGG
9748	DNA; Synthetic Construct	CCTCCCACGCAGtgctttCCTCCCACGCAGtgatctCCTCCCACGCAGtacgctCCT CCCACGCAGtgccgctCCTCCCACGCAGtgctttCCTCCCACGCAGtgatctCCTCC CACGCAGtacgctCCTCCCACGCAG
9749	DNA; Synthetic Construct	CTGCGTGGGAGGtgctttCTGCGTGGGAGGtgatctCTGCGTGGGAGGtacgctCTG CGTGGGAGGtgccgctCTGCGTGGGAGGtgctttCTGCGTGGGAGGtgatctCTGCG TGGGAGGtacgctCTGCGTGGGAGG
9750	DNA; Synthetic Construct	CCTCCCACGCATtgctttCCTCCCACGCATtgatctCCTCCCACGCATtacgctCCT CCCACGCATtgccgctCCTCCCACGCATtgctttCCTCCCACGCATtgatctCCTCC CACGCATtacgctCCTCCCACGCAT
9751	DNA; Synthetic Construct	ATGCGTGGGAGGtgctttATGCGTGGGAGGtgatctATGCGTGGGAGGtacgctATG CGTGGGAGGtgccgctATGCGTGGGAGGtgctttATGCGTGGGAGGtgatctATGCG TGGGAGGtacgctATGCGTGGGAGG
9752	DNA; Synthetic Construct	CCTCCCCCACACtgctttCCTCCCCCACACtgatctCCTCCCCCACACtacgctCCT CCCCCACACtgccgctCCTCCCCCACACtgctttCCTCCCCCACACtgatctCCTCC CCCACACtacgctCCTCCCCCACAC
9753	DNA; Synthetic Construct	GTGTGGGGGAGGtgctttGTGTGGGGGAGGtgatctGTGTGGGGGAGGtacgctGTG TGGGGGAGGtgccgctGTGTGGGGGAGGtgctttGTGTGGGGGAGGtgatctGTGTG GGGGAGGtacgctGTGTGGGGGAGG
9754	DNA; Synthetic Construct	CCTCCCCCACAGtgctttCCTCCCCCACAGtgatctCCTCCCCCACAGtacgctCCT CCCCCACAGtgccgctCCTCCCCCACAGtgctttCCTCCCCCACAGtgatctCCTCC CCCACAGtacgctCCTCCCCCACAG
9755	DNA; Synthetic Construct	CTGTGGGGGAGGtgctttCTGTGGGGGAGGtgatctCTGTGGGGGAGGtacgctCTG TGGGGGAGGtgccgctCTGTGGGGGAGGtgctttCTGTGGGGGAGGtgatctCTGTG GGGGAGGtacgctCTGTGGGGGAGG
9756	DNA; Synthetic Construct	CCTCCCCCACATtgctttCCTCCCCCACATtgatctCCTCCCCCACATtacgctCCT CCCCCACATtgccgctCCTCCCCCACATtgctttCCTCCCCCACATtgatctCCTCC CCCACATtacgctCCTCCCCCACAT
9757	DNA; Synthetic Construct	ATGTGGGGGAGGtgctttATGTGGGGGAGGtgatctATGTGGGGGAGGtacgctATG TGGGGGAGGtgccgctATGTGGGGGAGGtgctttATGTGGGGGAGGtgatctATGTG GGGGAGGtacgctATGTGGGGGAGG
9758	DNA; Synthetic Construct	CCTCCCCCGCACtgctttCCTCCCCCGCACtgatctCCTCCCCCGCACtacgctCCT CCCCCGCACtgccgctCCTCCCCCGCACtgctttCCTCCCCCGCACtgatctCCTCC CCCGCACtacgctCCTCCCCCGCAC
9759	DNA; Synthetic Construct	GTGCGGGGGAGGtgctttGTGCGGGGGAGGtgatctGTGCGGGGGAGGtacgctGTG CGGGGGAGGtgccgctGTGCGGGGGAGGtgctttGTGCGGGGGAGGtgatctGTGCG GGGGAGGtacgctGTGCGGGGGAGG
9760	DNA; Synthetic Construct	CCTCCCCCGCAGtgctttCCTCCCCCGCAGtgatctCCTCCCCCGCAGtacgctCCT CCCCCGCAGtgccgctCCTCCCCCGCAGtgctttCCTCCCCCGCAGtgatctCCTCC CCCGCAGtacgctCCTCCCCCGCAG
9761	DNA; Synthetic Construct	CTGCGGGGGAGGtgctttCTGCGGGGGAGGtgatctCTGCGGGGGAGGtacgctCTG CGGGGGAGGtgccgctCTGCGGGGGAGGtgctttCTGCGGGGGAGGtgatctCTGCG GGGGAGGtacgctCTGCGGGGGAGG
9762	DNA; Synthetic Construct	CCTCCCCCGCATtgctttCCTCCCCCGCATtgatctCCTCCCCCGCATtacgctCCT CCCCCGCATtgccgctCCTCCCCCGCATtgctttCCTCCCCCGCATtgatctCCTCC CCCGCATtacgctCCTCCCCCGCAT
9763	DNA; Synthetic Construct	ATGCGGGGGAGGtgctttATGCGGGGGAGGtgatctATGCGGGGGAGGtacgctATG CGGGGGAGGtgccgctATGCGGGGGAGGtgctttATGCGGGGGAGGtgatctATGCG GGGGAGGtacgctATGCGGGGGAGG

9764	DNA; Synthetic Construct	CGCCCCCTCtacgctCGCCCCCTCtgccgctCGCCCCCTCtgctttCGCCCCCTCtg atctCGCCCCCTCtacgctCGCCCCCTCtgccgctCGCCCCCTCtgctttCGCCCCC TCtgatctCGCCCCCTCtacgctCGCCCCCTC
9765	DNA; Synthetic Construct	GAGGGGGCGtacgctGAGGGGGCGtgccgctGAGGGGGCGtgctttGAGGGGGCGtg atctGAGGGGGCGtacgctGAGGGGGCGtgccgctGAGGGGGCGtgctttGAGGGGG CGtgatctGAGGGGGCGtacgctGAGGGGGCG
9766	DNA; Synthetic Construct	CTCCCCCTCtacgctCTCCCCCTCtgccgctCTCCCCCTCtgctttCTCCCCCTCtg atctCTCCCCCTCtacgctCTCCCCCTCtgccgctCTCCCCCTCtgctttCTCCCCC TCtgatctCTCCCCCTCtacgctCTCCCCCTC
9767	DNA; Synthetic Construct	GAGGGGGAGtacgctGAGGGGGAGtgccgctGAGGGGGAGtgctttGAGGGGGAGtg atctGAGGGGGAGtacgctGAGGGGGAGtgccgctGAGGGGGAGtgctttGAGGGGG AGtgatctGAGGGGGAGtacgctGAGGGGGAG
9768	DNA; Synthetic Construct	GCGTGGGCGGAtgccgctGCGTGGGCGGAtgctttGCGTGGGCGGAtgatctGCGTG GGCGGAtacgctGCGTGGGCGGAtgccgctGCGTGGGCGGAtgctttGCGTGGGCGG AtgatctGCGTGGGCGGAtacgctGCGTGGGCGGA
9769	DNA; Synthetic Construct	TCCGCCCACGCtgccgctTCCGCCCACGCtgctttTCCGCCCACGCtgatctTCCGC CCACGCtacgctTCCGCCCACGCtgccgctTCCGCCCACGCtgctttTCCGCCCACG CtgatctTCCGCCCACGCtacgctTCCGCCCACGC
9770	DNA; Synthetic Construct	GCGTGGGCGGGtgccgctGCGTGGGCGGGtgctttGCGTGGGCGGGtgatctGCGTG GGCGGGtacgctGCGTGGGCGGGtgccgctGCGTGGGCGGGtgctttGCGTGGGCGG GtgatctGCGTGGGCGGGtacgctGCGTGGGCGGG
9771	DNA; Synthetic Construct	CCCGCCCACGCtgccgctCCCGCCCACGCtgctttCCCGCCCACGCtgatctCCCGC CCACGCtacgctCCCGCCCACGCtgccgctCCCGCCCACGCtgctttCCCGCCCACG CtgatctCCCGCCCACGCtacgctCCCGCCCACGC
9772	DNA; Synthetic Construct	CGCCCACGCtacgctCGCCCACGCtgccgctCGCCCACGCtgctttCGCCCACGCtg atctCGCCCACGCtacgctCGCCCACGCtgccgctCGCCCACGCtgctttCGCCCAC GCtgatctCGCCCACGCtacgctCGCCCACGC
9773	DNA; Synthetic Construct	GCGTGGGCGtacgctGCGTGGGCGtgccgctGCGTGGGCGtgctttGCGTGGGCGtg atctGCGTGGGCGtacgctGCGTGGGCGtgccgctGCGTGGGCGtgctttGCGTGGG CGtgatctGCGTGGGCGtacgctGCGTGGGCG
9774	DNA; Synthetic Construct	CGCCCCCGCtacgctCGCCCCCGCtgccgctCGCCCCCGCtgctttCGCCCCCGCtg atctCGCCCCCGCtacgctCGCCCCCGCtgccgctCGCCCCCGCtgctttCGCCCCC GCtgatctCGCCCCCGCtacgctCGCCCCCGC
9775	DNA; Synthetic Construct	GCGGGGGCGtacgctGCGGGGGCGtgccgctGCGGGGGCGtgctttGCGGGGGCGtg atctGCGGGGGCGtacgctGCGGGGGCGtgccgctGCGGGGGCGtgctttGCGGGGG CGtgatctGCGGGGGCGtacgctGCGGGGGCG
9776	DNA; Synthetic Construct	TGCGTGGGCGtgccgctTGCGTGGGCGtgctttTGCGTGGGCGtgatctTGCGTGGG CGtacgctTGCGTGGGCGtgccgctTGCGTGGGCGtgctttTGCGTGGGCGtgatct TGCGTGGGCGtacgctTGCGTGGGCG
9777	DNA; Synthetic Construct	CGCCCACGCAtgccgctCGCCCACGCAtgctttCGCCCACGCAtgatctCGCCCACG CAtacgctCGCCCACGCAtgccgctCGCCCACGCAtgctttCGCCCACGCAtgatct CGCCCACGCAtacgctCGCCCACGCA
9778	DNA; Synthetic Construct	TGCGTGGGTGtgccgctTGCGTGGGTGtgctttTGCGTGGGTGtgatctTGCGTGGG TGtacgctTGCGTGGGTGtgccgctTGCGTGGGTGtgctttTGCGTGGGTGtgatct TGCGTGGGTGtacgctTGCGTGGGTG
9779	DNA; Synthetic Construct	CACCCACGCAtgccgctCACCCACGCAtgctttCACCCACGCAtgatctCACCCACG CAtacgctCACCCACGCAtgccgctCACCCACGCAtgctttCACCCACGCAtgatct CACCCACGCAtacgctCACCCACGCA
9780	DNA; Synthetic Construct	TGACCTTTGCATtgctttTGACCTTTGCATtgatctTGACCTTTGCATtacgctTGA CCTTTGCATtgccgctTGACCTTTGCATtgctttTGACCTTTGCATtgatctTGACC TTTGCATtacgctTGACCTTTGCAT
9781	DNA; Synthetic Construct	ATGCAAAGGTCAtgctttATGCAAAGGTCAtgatctATGCAAAGGTCAtacgctATG CAAAGGTCAtgccgctATGCAAAGGTCAtgctttATGCAAAGGTCAtgatctATGCA AAGGTCAtacgctATGCAAAGGTCA

9782	DNA; Synthetic Construct	tacgct
9783	DNA; Synthetic Construct	tgatct
9784	DNA; Synthetic Construct	tgcttt
9785	DNA; Synthetic Construct	tgcccgt
9786	DNA; Synthetic Construct	ggaggaaaaactgtttcatacagaaggcgtggaggaaaaactgtttcatacagaaggcgtggaggaaaaactgtttcatacagaaggcgtgaattcagggctgggcataaaagtcagggcagagccatctattgcttacattgcttctgacacaactgtgttcactagcaacctcaaacagacac
9787	DNA; Synthetic Construct	ggaggaaaaactgtttcatacagaaggcgtggaggaaaaactgtttcatacagaaggcgtggaggaaaaactgtttcatacagaaggcgtGAATTCCTAGAGGGTATATAATGGGGGCCACTAGTCTACTACCAGAAAGCTTGGTACCGAGCTCGGATCCAGCCACC
9788	DNA; Synthetic Construct	agagggtatataaaagctcgacttccag
9789	DNA; Synthetic Construct	TAGAGGGTATATAATGGGGGCCACTAGTCTACTACCAGAAAGCTTGGTACCGAGCTCGGATCCAGCCACC
9790	DNA; Synthetic Construct	CTAGAGGGTATATAATGGGGGCCACTAGTCTACTACCAGAAAGCTTGGTACCGAGCTCGGATCCAGCCACC

Definitions

[185] In some embodiments of the disclosure, the term “subject” refers to any mammal, including without limitation, humans.

[186] The terms "a", "an" and "the" include their plural forms unless the context clearly dictates otherwise.

[187] The term “and” is used interchangeably with “or” unless expressly stated otherwise.

[188] The term "And/or" is to be taken as specific disclosure of each of the two specified features or components with or without the other. Thus, "and/or" as used in a phrase such as "A and/or B," includes "A and B," "A or B," "A" (alone), and "B" (alone). Likewise, "and/or," as used in a phrase such as "A, B, and/or C," is intended to encompass each of the following embodiments: A, B, and C; A, B, or C; A or C; A or B; B or C; A and C; A and B; B and C; A (alone); B (alone); and C (alone).

[189] Numeric ranges are inclusive of the numbers defining the range. Where a range of values is stated, each intervening integer value, and each fraction thereof, between the recited upper and lower limits of that range is also specifically disclosed, as is each subrange between such values. The upper and lower limits of any range can independently be included in or excluded from the range, and each range where either, neither or both limits are included is also encompassed within the disclosure. Thus, ranges are understood to be shorthand for all of the values within the range, inclusive of the recited endpoints. For example, a range of 1 to 10 is understood to include any number, combination of numbers, or sub-range from the group consisting of 1, 2, 3, 4, 5, 6, 7, 8, 9, and 10.

[190] Where a value is explicitly stated, it is to be understood that values which are about the same quantity or amount as the stated value are also within the scope of the disclosure. Where a combination is disclosed, each subcombination of the elements of that combination is also specifically disclosed and is within the scope of the disclosure. Conversely, where different elements or groups of elements are individually disclosed, combinations thereof are also disclosed. Where any element of a disclosure is disclosed as having a plurality of alternatives, examples of that disclosure in which each alternative is excluded singly or in any combination with the other alternatives are also hereby disclosed; more than one element of a disclosure can have such exclusions, and all combinations of elements having such exclusions are hereby disclosed.

[191] Unless the context clearly requires otherwise, throughout the description and the claims, the words ‘comprise’, ‘comprising’, and the like are to be construed in an inclusive sense as opposed to an exclusive or exhaustive sense; that is to say, in the sense of “including, but not limited to”.

[192] Singular or plural words also include the plural and singular number, respectively. Thus, for example, where the specification describes a gene of interest, the disclosure includes polynucleotides with a single gene of interest or multiple genes of interest.

[193] Units, prefixes, and symbols are denoted in their Systeme International de Unites (SI) accepted form.

[194] Headings are included herein for reference and to aid in locating the various sections. These headings are not intended to limit the scope of the concepts described with respect to the headings. Such concepts may have applicability throughout the present specification.

EXAMPLES

Example 1:General Methods

ELISA Experimental Details

Materials

Item	Catalog#	Manufacturer
Strep-Tactin®XT coated microplate	2-4101-001	iba
mouse anti-STII	A01732	Genscript
anti-mouse IR detection module	DM-010	Protein Simple
CD25-Fc	1020-RL-050	R&D
IL12Rb2-Fc (control)	1959-B2B-050	R&D
Blocker™ Casein in TBS	37532	Thermo
Protein G HRP	18-161	Millipore
20X Wash Buffer –0.05% PBS-Tween (needs to be diluted with dH20 from Milli Q)	28352	Thermo-Fisher
Ultra Pure DNase/RNase-Free Distilled Water	10977015	Invitrogen – Thermo
1xPBS pH 7.2	20012043	Gibco
TMB Ultra	34028	Thermo-Fisher
Stop Solution	77316	BioLegend
Recombinant human IL2	10453-IL-100	R&D
Normocin	ant-nr-1	Invivogen
Puromycin	ant-pr-1	Invivogen
HEK-Blue CLR selection	hb-csm	Invivogen
Normocin	ant-nr-1	Invivogen
Puromycin	ant-pr-1	Invivogen
Blasticidin	ant-bl-05	Invivogen
Hygromycin B Gold	ant-hg-1	Invivogen
Zeocin	ant-zn-05	Invivogen
HEK-Blue IL2R	hkb-il2	Invivogen
HEK-Blue CD122/132	hkb-il2bg	Invivogen

[195] Dissolve d50 micrograms (mg) of CD25-Fc (R&D 1020-RL-050) in 500 microliters (mL) of phosphate buffered saline (PBS). For this 100 mg/mL solution, freeze in 20 mL aliquots at -80°C.

[196] Dissolved 50 mg of CD25-His (R&D 10305-RL-050) in 100 mL of PBS. For this 500 mg/mL solution, freeze in 10 mL aliquots at -80°C.

[197] Captured STII-tagged Designed Cytokines from undiluted supernatant (100 mL / well) on streptactin plates for 1 hour at room temperature. Wash plate with 4 x 200 mL with PBS-T.

[198] Prepared and added Primary antibody to plate: dilution buffer contains casein block and PBS-T (1:1). Added 2 mg/mL CD25-Fc in Casein Block + PBS-T (1:1) and diluted 100 mL of 100 mg/mL CD25-Fc in 5 milliliters (mL) of dilution buffer. Added 0.5 mg/mL CD25-Fc in Casein Block + PBS-T (1:1) and then diluted 25 mL of 100 mg/mL CD25-Fc in 5 mL of dilution buffer. Mixed scIL12-anti-PDL1-scFv-STII + IL12Rb2-Fc at the specified concentration in casein block + PBS-T (1:1). Incubated for 1 hr at room temperature.

[199] Washed plate with 4 x 200 mL PBS-T.

[200] Prepared and added secondary antibody to plate: Make Secondary Antibody composition by mixing Protein G and HRP (1:5000) in casein block + PBS-T (1:1). Incubate for 45 min at room temperature.

[201] Washed plate with 4 x 250 mL PBS-T.

[202] Added 75 mL of TMB-Ultra and incubated for approximately 5 min.

[203] Added 75 mL of 2M HCl.

[204] Measured absorbance at 450nm (A450) on the plate reader using the ELISA program.

HEK Blue - Experimental Details

Item	Cat. No.	Stock Conc.	Volume to Add	Final Conc.
DMEM (4.5 g/L glucose, 2mM L-glutamine)		x	500 mL	
Heat Inactivated FBS		x	50 mL	10%
Penicillin/Streptomycin (100x)		100X	5 mL	100 U/mL penicillin + 100 ug/mL streptomycin
Normocin	ant-nr-1	50 mg/mL	1 mL	100 ug/mL
Puromycin	ant-pr-1	10 mg/mL	50 uL	1 ug/mL
HEK-Blue CLR selection	hb-csm	250X	2 mL	1X

Item	Cat. No.	Stock Conc.	Volume to Add	Final Conc.
DMEM (4.5 g/L glucose, 2mM L-glutamine)			500 mL	

Heat Inactivated FBS		x	50 mL	10%
Penicillin/Streptomycin (100x)		100X	5 mL	100 U/mL penicillin + 100 ug/mL streptomycin
Normocin	ant-nr-1	50 mg/mL	1 mL	100 ug/mL
Puromycin	ant-pr-1	10 mg/mL	50 uL	1 ug/mL
Blasticidin	ant-bl-05	10 mg/mL	500 uL	10 ug/mL
Hygromycin B Gold	ant-hg-1	100 mg/mL	500 uL	100 ug/mL
Zeocin	ant-zn-05	100 mg/mL	500 uL	100/mL

[205] Detached cells using 10 mL PBS/flask, count cells, spin down 300xg 5 min, seed 1e6 cells into new flasks, resuspend cell pellet in DMEM+10%FBS to a density of 280K/mL, and plate 180 mL cells/well in a flat bottom 96 well plate.

[206] Prepared dilutions of supernatants in a 96 well PCR plate:

[207] Prepared dilution of supernatant for these plates. Added 120 mL / well of undiluted supernatant to a PCR plate

[208] Transferred 20 mL of this to 180 mL of Expi293 media for a 1:10 dilution.

[209] Transferred 40 mL of the 1:10 to 160 mL of Expi293 media for a 1:50 final dilution

[210] Transferred 100 mL of the 1:50 into 100 mL of Expi293 for a 1:100 dilution

[211] Transferred 100 mL of 1:100 into 100 mL of Expi293 for a 1:200 dilution

[212] Transferred 100 mL of 1:200 into 100 mL of Expi293 for a 1:400 dilution

[213] Prepared dilutions of Designed Cytokines: Prepared 100 mM Acetic Acid from glacial acetic acid (17.4M). Diluted 57.5 uL of glacial acetic acid into 10 mL of ultrapure water. Sterile filtered. Dissolved 100 mg of IL-2 (R&D 10453-IL-100) in 200 mL of 100 mM Acetic Acid to make a 500 mg/mL solution.

[214] Used Designed Cytokines over a range from 1,000 nanogram per milliliter (ng/mL) - 0.01 ng/mL.

[215] IL2 formulation as at 500 mg/mL. Diluted 1:50 in Expi293 media then 5 fold dilution series (transfered 20 mL into 80 mL Expi293). After diluting 20 mL of this to a final volume of 200 mL for the assay the concentration range is: 1000 ng/mL > 200 ng/mL > 40 ng/mL > 8 ng/mL > 1.6 ng/mL > 0.32 ng/mL > 0.06 ng/mL > 0.012 ng/mL.

[216] Incubated plates with dilution series of Designed Cytokines or WT IL-2 overnight at 37°C. Plated 180 mL of Quantiblue reagent per well of a 96 well flat bottom plate. Added 20 mL of culture supernatant to each well. Incubated at 37°C for 30 min. Measured A640 on the plate reader using the Quantiblue program.

Octet: Binding to IL2Ra

[217] Octet setup: ProA tips, Octet Buffer (HBS-EP + 0.25% BSA), use 2.6 mg/mL IL2Ra-Fc for capture; use zeba columns (0.5 mL, 7 kDa) to buffer-exchange proteins into HBS-EP (No BSA).

[218] Prepped protein Octet dilutions in octet buffer (HBS-EP + 0.25% BSA)

[219] Hydrated tips for >10 min during experiment setup, in 200 mL buffer/well (need one column of tips).

[220] Set-up assay plate (black 96 well plate) with protein dilutions and buffer. Use 200 mL sample/buffer per well (add octet buffer for baseline step).

1	2	3	4	5	6	7	11	12
Baseline	IL2Ra-Fc (2.6 ug/mL)	Designed Cytokine (nM) 3000	Designed Cytokine (nM) 3000	Designed Cytokine (nM) 3000	Designed Cytokine (nM) 3000	Internal WT IL-2 (nM)	Regeneration	Neutralization
		600	600	600	600	926		
		120	120	120	120	185.2		
		24	24	24	24	37.04		
		4.8	4.8	4.8	4.8	7.408		
		0.96	0.96	0.96	0.96	1.4816		
	Buffer	300	300	300	300	463		
		0 (Reference)	0 (Reference)	0 (Reference)	0 (Reference)	0 (Reference)		

[221] Thawed two 20 mL aliquots of 100 mg/mL IL2Ra-Fc. Made up 1.5 mL of the loading solution in Octet buffer, so the IL2Ra-Fc concentration was at 2.6 mg/mL.

[222] For the Designed Cytokine columns, performed a 5-fold dilution series according to the layout table above.

[223] Prepped 300 mL of top concentration in plate, transfer 50 mL down into 200 mL buffer; at final concentration remove 50 mL so final volumes are equal across samples.

[224] For the 300 nM sample in row G - transferred 20 mL of the top concentration sample (3 mM, row A) into 180 mL of Octet buffer. Then removed 30 mL more of 3 mM, row A sample so final volumes were equal across samples.

Construct	A280	Extinction coefficient (M-1cm-1)	Concentration (μM)	Volume IL2 (μL) for 3 μM	Volume Octet buffer (μL)
Designed Cytokine	0.33	11000.00	30	30	270
Designed Cytokine	0.15	11000.00	13.6363636364	66	234
Designed Cytokine	0.30	11000.00	27.2727272727	33	267
Designed Cytokine	0.48	15595.00	30.7790958641	29.240625	270.759375
Internal IL-2 **	0.37	~~15595.00~~	23.7255530619	37.9337837838	262.0662162162

Step	Time (sec)
Baseline	60
Loading *	1200
Baseline_2	120
Association	360
Dissociation	60

Octet: Binding to IL2Rb/g (beta/gamma)

[225] Octet setup info: ProA tips, Octet Buffer (HBS-EP + 0.25% BSA), use 12 ug/mL IL2Rb/g-Fc for capture, Use zeba columns (0.5 mL, 7 kDa) to buffer-exchange proteins into HBS-EP (No BSA).

[226] Prepped protein Octet dilutions in octet buffer (HBS-EP + 0.25% BSA).

[227] Hydrated tips for >10 min during experiment setup, in 200 mL buffer/well (need 5 columns of tips - new set of tips for each construct)

[228] Set up assay plate (black 96 well plate) with protein dilutions and buffer. Use 200 mL sample/buffer per well (add octet buffer for baseline step).

[229] Used the Evap cover for this run.

1	2	3	4	5	6	7	11	12
Baseline	IL2Rb/g-Fc (12 ug/mL)	Designed Cytokine (nM) 100	Designed Cytokine (nM) 100	Designed Cytokine (nM) 100	Designed Cytokine (nM) 100	Internal WT IL2 (nM) 153.9 **	Regeneration	Neutralization
		33.33333333	33.33333333	33.33333333	33.33333333	51.3		
		11.11111111	11.11111111	11.11111111	11.11111111	17.1		
		3.703703704	3.703703704	3.703703704	3.703703704	5.7		
		1.234567901	1.234567901	1.234567901	1.234567901	1.9		
		0.4115226337	0.4115226337	0.4115226337	0.4115226337	0.6333333333		
	Buffer	100	100	100	100	153.9		
		0 (Reference)	0 (Reference)	0 (Reference)	0 (Reference)	0 (Reference)		

[230] Thawed two 15 mL aliquots of 600 mg/mL IL2Rb/g-Fc. Made up 1.5 mL of the loading solution in Octet buffer, so the IL2Rb/g-Fc concentration was at 12 mg/mL.

[231] For Designed Cytokine columns did a 3-fold dilution series according to the layout table above.

[232] Prepped 1 mL of top concentration in eppendorfs and then transfer 300 mL to top well in plate. For 3-fold dilutions, transfer 100 mL down into 200 mL buffer; at final concentration remove 100 mL so final volumes are equal across samples.

Construct	A280	Extinction coefficient (M-1cm-1)	Concentration (μM)	Volume IL2 (μL) for 0.1 μM	Volume Octet buffer (μL)
Designed Cytokine	0.33	11000.00	30	3.3333333333	996.6666666667
Designed Cytokine	0.15	11000.00	13.6363636364	7.3333333333	992.6666666667
Designed Cytokine	0.30	11000.00	27.2727272727	3.6666666667	996.3333333333
Designed Cytokine	0.48	15595.00	30.7790958641	3.2489583333	996.7510416667
Internal WT IL2	0.37		23.7255530619	4.2148648649	995.7851351351

Step	Time (sec)
Baseline	60
Loading *	1500
Baseline_2	120
Association	120
Dissociation	480

[233] There was an issue with the Evap cover for the last two constructs above which caused the run to fail, so we need to set up the experiment again for these.

[234] Hydrated tips for >10 min during experiment setup, in 200 mL buffer/well (need 2 columns of tips - new set of tips for each construct)

[235] Used buffer-exchanged Designed Cytokine proteins (in HBS-EP).

[236] Used the same setup as for a replicate, except didn't use the Evap cover.

1	2	3	4	11	12
Baseline	IL2Rb/g-Fc (12 ug/mL)	WT IL-2 (nM) 100	Internal IL-2 (nM) 153.9 **	Regeneration	Neutralization
		33.33333333	51.3		
		11.11111111	17.1		
		3.703703704	5.7		
		1.234567901	1.9		
		0.4115226337	0.6333333333		
	Buffer	100	153.9		
		0 (Reference)	0 (Reference)		

Intrinsic Tryptophan Fluorescence

[237] Materials:

Item	Vendor	Cat No
PBS pH 7.2	Gibco	20012-043
Guanidine HCl 8M Buffered	VWR	BDH7427-1

[238] Experimental Details:

[239] Diluted Designed Cytokine proteins to 0.2 mg/mL in Gibco PBS pH 7.2 (with one exception in grey)

Protein batch	mg/mL stock	Protein Conc (uM)	Volume for GndHCl	Volume PBS
Designed Cytokine	0.517	37.909	106.3829787234	168.6170212766
Designed Cytokine	0.295	17.377	186.4406779661	88.5593220339
Designed Cytokine	0.3208719091	23.636	171.4079619941	103.5920380059
Designed Cytokine	0.5009110036	36.545	109.799943712	165.200056288
Designed Cytokine	0.1861	13.545	275	0
Designed Cytokine	0.2634730145	19.182	208.7500312105	66.2499687895
Designed Cytokine	0.2145168971	15.640	256.3900594477	18.6099405523

*Because of the low concentration, use undiluted (this sample will be less than 0.2 mg/mL)

[240] Added 25 uL of diluted protein to each well of a round-bottom black 96 well plate

[241] Added 75 uL of GndHCl diluted from 8M GndHCl as shown below, with the pre- and post-mixing concentrations listed below

Well	mL of Stock GndHCl	mL of PBS	GndHCl after Dilution with PBS	Final GndHCl after Diluting 75 uL of Stock + 25 uL of Protein		
1	1	0	8	6	M	6M
2	0.9	0.1	7.2	5.4	M	5.4M
3	0.8	0.2	6.4	4.8	M	4.8M
4	0.7	0.3	5.6	4.2	M	4.2M
5	0.6	0.4	4.8	3.6	M	3.6M
6	0.5	0.5	4	3	M	3M

7	0.4	0.6	3.2	2.4	M	2.4M
8	0.3	0.7	2.4	1.8	M	1.8M
9	0.2	0.8	1.6	1.2	M	1.2M
10	0	1	0	0	M	0M

[242] Cover, and incubate plate at 37C for 45 min

[243] Measure fluorescence on a BioTek Synergy H1 plate reader as follows:

- 37C
- Excitation 280 nm
- 30 sec orbital mixing
- Scan 310-450 nm with 5 nm step

Example 2: Designed Cytokine Signaling

[244] Designed Cytokines were engineered to not bind to CD25 (IL2Ra), but to activate IL2R through IL2Rb and common gamma chain receptors. This study demonstrates the ability of Designed Cytokines to express in transiently transfected Expi293 cells, to bind to CD25 (IL2Ra) by ELISA, and to activate HEK-Blue reporter lines that express [IL2Ra, IL2Rb, and the gamma subunit common to IL-2 and IL-15] OR [IL2Rb and the gamma subunit common to IL-2 and IL-15].

[245] With reference to FIG. 5A and to Designed Cytokines having SEQ ID Nos 1-38, respectively, the data demonstrate that, when compared to WT IL-2, the exemplary Designed Cytokines of the disclosure do not bind or signal through the alpha subunit of the IL-2 Receptor (IL-2R).

[246] With reference to FIG. 5A and to Designed Cytokines having SEQ ID Nos 1-38, respectively, the data demonstrate that, when compared to WT IL-2, 33 of the 38 exemplary Designed Cytokines of the disclosure retain IL-2/15Rβγ signaling.

[247] Based on this initial screen, number of Designed Cytokines were identified that 1) express in Expi293 cells, 2) activate IL2R and CD122/132 only in HEK-Blue assays even at relatively high dilutions of the transfection supernatant, and 3) no longer bind to CD25 (despite relatively good expression). These designs were marked for further development. Among these, Designed Cytokine No. 39 and Designed Cytokine No. 40 appear to be of particular interest

because these were among the highest expressing proteins by anti-STII jess. Designed Cytokine No. 39 and Designed Cytokine No. 40 showed good activation in HEK-Blue assays and they did not bind to CD25. These proteins are also closely related, so the fact that their behavior is similar confirms the structure-function relationship.

[248] With respect to binding to IL2Rb/g, we compared Designed Cytokines to WT IL2 (both "internal" IL-2 and commercial IL2).

[249] With reference to FIG. 5B, the data demonstrate that, the Designed Cytokines bind to IL2Rb/g with nanomolar affinities.

[250] IL2Ra binding: No detectable binding of the Designed Cytokines to IL2Ra was observed, even up to 3 uM. WT IL2, in contrast, binds to IL2Ra and has a Kd of ~15 nM. This experiment therefore confirms that our WT IL2 binds to IL2Ra as expected, while the Designed Cytokines show no binding.

[251] IL2R b/g binding: The Designed Cytokines bind to IL2Rb/g with nanomolar affinity, similar to WT IL2 binding. Designed Cytokine No. 169 has a Kd of ~1.6 nM, while WT IL2 has a Kd of ~0.4 nM. Designed Cytokine No. 153 has a lower affinity, at 3.9 nM, which is consistent with its lower activity in functional assays.

Example 3: Designed Cytokines have increased stability compared to WT IL-2

[252] In order to test whether the Designed Cytokines are stabilized relative to WT IL2, changes in intrinsic tryptophan fluorescence was measured at increasing concentrations of the denaturant GndHCl. Tryptophan fluorescence is sensitive to its environment, and solvent exposure causes a 'red-shift' in the emission spectrum of tryptophan with excitation at 280 nm.

[253] With respect to FIG. 12, the Designed Cytokines demonstrate lower intrinsic fluorescence, and therefore, greater stability upon contact with a denaturant, when compared to the intrinsic fluorescence of WT IL-12.

Other Embodiments

[254] Although the disclosure is described in some detail by way of illustration and example for purposes of clarity and understanding, it will be apparent to those skilled in the art that certain changes and modifications may be practiced. Reference to "the disclosure" or the like is intended as a reference to any of a wide variety of embodiments of, or aspects of, the disclosure,

and not as limiting the disclosure to a single embodiment or aspect. As used throughout the disclosure, the terms “aspect” and “embodiment” are interchangeable. Features discussed in the context of “certain”, “some”, or “other” aspects or embodiments of the disclosure may be found in any embodiment of the disclosure, however, in these instances, the feature may be considered a preferred feature in these highlighted embodiments.

[255] The description and examples should not be construed as limiting the scope of the disclosure to the embodiments and examples described herein, but rather as encompassing all modifications and alternatives falling within the true scope and spirit of the disclosure.

CLAIMS

We claim:

1. A designed cytokine comprising alpha helices H1, H2, H3, and H4, wherein:
from an amino terminus to a carboxy terminus,
a first loop (L1) connects H1 and H4;
a second loop (L2) connects H4 and H2;
a third loop (L3) connects H2 and H3; and
wherein the polypeptide binds to IL-2 receptor βγ (IL-2Rβγ).

2. The designed cytokine of claim 1, wherein the polypeptide does not bind to IL-2 receptor alpha (IL-2Rα).

3. The designed cytokine of claim 1 or 2, wherein the polypeptide comprises one or more of:
(a) a sequence of SEQ ID NO: 1-350 and
(b) a sequence having at least 70% identity to a sequence of (a).

4. The designed cytokine of claim 1 or 2, wherein the polypeptide comprises a sequence of SEQ ID NO: 1-38 or 150-350.

5. The designed cytokine of claim 1 or 2, wherein the polypeptide comprises the sequence of
APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSLEDLK
HLQALEEELKPLEEVLNLAQSKNFHLNPRDLISNINVLVLELK.

6. The designed cytokine of claim 1 or 2, wherein the polypeptide comprises the sequence of
APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSLEDLK
HLQALEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK.

7. The designed cytokine of claim 1 or 2, wherein the polypeptide comprises the sequence of APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSLEDLK HLQALEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK.

8. The designed cytokine of claim 1 or 2, wherein the polypeptide comprises the sequence of APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTLTAGGSL SGDLKHLQNLSEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK.

9. The designed cytokine of claim 1 or 2, wherein the polypeptide comprises the sequence of APTSSSTKKTQLQLEHLLLDLQMILNGINNMNADPELVEFLNRWITFCQSIISTGSVDPEE LAKELQKLEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELK.

10. The designed cytokine of any one of claims 1-9, wherein the polypeptide is operably linked to a targeting moiety.

11. The designed cytokine of any one of claims 1-9, wherein the polypeptide comprises a targeting moiety.

12. The designed cytokine of any one of claims 1-9, wherein a fusion protein comprises the polypeptide and a targeting moiety.

13. The designed cytokine of any one of claims 10-12, wherein the targeting moiety binds to a component of a tumor microenvironment (TME).

14. The designed cytokine of any one of claims 10-13, wherein the targeting moiety binds to one or more of T-cell surface glycoprotein CD8 (also known as cluster of differentiation 8), Programmed cell death protein 1 (PD-1), Programmed death-ligand 1 (PD-L1; also known as cluster of differentiation 274 (CD274) or B7 homolog 1 (B7-H1) polypeptide), T-cell

immunoreceptor with Ig and ITIM domains (TIGIT), Cytotoxic T-lymphocyte protein 4 (CTLA4), Lymphocyte activation gene 3 protein (LAG3), T-cell immunoglobulin mucin receptor 3 (TIM3).

15. The designed cytokine of any one of claims 10-13, wherein the targeting moiety binds CD8.

16. The designed cytokine of any one of claims 10-13, wherein the targeting moiety binds PD-1.

17. The designed cytokine of any one of claims 10-13, wherein the targeting moiety binds PD-L1.

18. The designed cytokine of any one of claims 10-17, wherein the targeting moiety comprises an antibody, an antibody mimetic, or a functional fragment thereof.

19. The designed cytokine of claim 18, wherein the targeting moiety comprises one or more of a monoclonal antibody, an antigen-binding fraction (Fab), a single-chain variable fraction (scFv), a domain antibody, one or more of a heavy chain (VH) and a light chain (VL) domain of an immunoglobulin (Ig) polypeptide or gene encoding the same, a heavy-chain antibody (a VH or a VHH), a camelid or camelid-like structured antibody, and a nanobody.

20. The designed cytokine of claim 18, wherein the targeting moiety comprises a scFv.

21. The designed cytokine of claim 18, wherein the targeting moiety comprises a VHH.

22. The designed cytokine of any one of claims 1-21, wherein the polypeptide is operably linked to a tether.

23. The designed cytokine of any one of claims 1-21, wherein the polypeptide comprises a tether.

24. The designed cytokine of any one of claims 1-21, wherein a fusion protein comprises the polypeptide and a tether.

25. The designed cytokine of any one of claims 22-24, wherein the tether comprises one or more of a nucleic acid sequence, an amino acid sequence, a small molecule.

26. The designed cytokine of any one of claims 22-25, wherein the tether comprises a sequence isolated or derived from a transmembrane sequence.

27. The designed cytokine of any one of claims 22-26, wherein the tether comprises the sequence PLFIPVAVMVTAFSGLAFIIWLARRLKKGKK.

28. The designed cytokine of any one of claims 1-27, wherein the polypeptide is operably linked to a second cytokine or a second Designed Cytokine.

29. The designed cytokine of any one of claims 1-27, wherein the polypeptide comprises a a second cytokine or a second Designed Cytokine.

30. The designed cytokine of any one of claims 1-27, wherein a fusion protein comprises the polypeptide and a second cytokine or a second Designed Cytokine.

31. The designed cytokine of any one of claims 28-30, wherein the second cytokine comprises a sequence isolated or derived from one or more of an IL-2 polypeptide, an IL-12 polypeptide, an IL-15 polypeptide, an IL-18 polypeptide, an IL-21 polypeptide, an IL-23 polypeptide, an interferon alpha polypeptide, an interferon beta polypeptide, an interferon gamma polypeptide, and an interferon omega polypeptide.

32. The designed cytokine of claim 31, wherein the polypeptide comprises a first targeting moiety and the second cytokine comprises a second targeting moiety.

33. The designed cytokine of claim 32, wherein the first targeting moiety and the second targeting moiety are identical.

34. The designed cytokine of claim 32, wherein the first targeting moiety and the second targeting moiety are not identical.

35. The designed cytokine of any one of claims 28-30, wherein the second Designed Cytokine comprises a sequence of any one or more of SEQ ID NO: 1-38 or 150-350.

36. The designed cytokine of claim 35, wherein the polypeptide comprises a first targeting moiety and the second Designed Cytokine comprises a second targeting moiety.

37. The designed cytokine of claim 36, wherein the first targeting moiety and the second targeting moiety are identical.

38. The designed cytokine of claim 36, wherein the first targeting moiety and the second targeting moiety are not identical.

39. The designed cytokine of claim 31, wherein the polypeptide comprises a first tether and the second cytokine comprises a second tether.

40. The designed cytokine of claim 39, wherein the first tether and the second tether are identical.

41. The designed cytokine of claim 39, wherein the first tether and the second tether are not identical.

42. The designed cytokine of claim 35, wherein the polypeptide comprises a first tether and the second Designed Cytokine comprises a second tether.

43. The designed cytokine of claim 36, wherein the first tether and the second tether are identical.

44. The designed cytokine of claim 36, wherein the first tether and the second tether are not identical.

45. A nucleic acid encoding the designed cytokine of any one of claims 1-44 or a fusion protein comprising the designed cytokine of any one of claims 1-44.

46. The nucleic acid of claim 45, further comprising a regulatory element capable of driving expression of the designed cytokine.

47. The nucleic acid of claim 46, wherein the regulatory element comprises a promoter.

48. The nucleic acid of claim 47, wherein the promoter comprises a minimal promoter.

49. The nucleic acid of claim 48, wherein the minimal promoter comprises a sequence isolated or derived from one or more of minimal promoter-1 ("minP1"), YB-TATA and human beta globin.

50. The nucleic acid of claim 49, wherein the minP1 comprises a sequence of AGAGGGTATATAAAAGCTCGACTTCCAG.

51. The nucleic acid of claim 49, wherein the minimal promoter comprises the sequence of TAGAGGGTATATAATGGGGGCCACTAGTCTACTACCAGAAAGCTTGGTACCGAGCT CGGATCCAGCCACC.

52. The nucleic acid of claim 49, wherein the minimal promoter comprises the sequence of CTAGAGGGTATATAATGGGGGCCACTAGTCTACTACCAGAAAGCTTGGTACCGAGC TCGGATCCAGCCACC.

53. The nucleic acid of any one of claims 47-52, wherein the promoter is inducible.

54. The nucleic acid of any one of claims 47-53, wherein the regulatory element comprises a response element.

55. The nucleic acid of claim 54, wherein the regulatory element comprises a noncoding or an untranslated sequence isolated or derived from one or more of NFAT, NFkB, REL, RELA, IRF2, GATA3 and ATF3.

56. The nucleic acid of claim 54, wherein the regulatory element comprises a noncoding or an untranslated sequence isolated or derived from a GATA3 gene and, optionally, wherein the GATA3 sequence comprises GTTATCTCTCACGAGATCT.

57. The nucleic acid of claim 54, wherein the regulatory element comprises a noncoding or an untranslated sequence isolated or derived from RELA and, optionally, wherein the RELA sequence comprises GGGGATTTCCA.

58. The nucleic acid of any one of claims 47-57, wherein the response element comprises a repeated sequence.

59. A vector comprising a nucleic acid of any one of claims 45-58.

60. The vector of claim 59, wherein the vector comprises an expression vector.

61. The vector of claim 59, wherein the vector comprises a delivery vector.

62. The vector of any one of claims 59-61, wherein the vector further comprises a sequence encoding an exogenous receptor.

63. The vector of claim 62, wherein the exogenous receptor comprises an antigen binding moiety.

64. The vector of claim 63, wherein the exogenous receptor comprises a T Cell Receptor (TCR).

65. The vector of claim 63, wherein the exogenous receptor comprises a chimeric antigen receptor (CAR).

66. The vector of any one of claims 62-65, wherein the antigen is expressed on or secreted within one or more of a tumor cell, a cancer cell, a component of a TME, and a TME.

67. A cell comprising a designed cytokine of any one of claims 1-44.

68. A cell comprising a nucleic acid of any one of claims 45-58.

69. A cell comprising a vector of any one of claims 59-66.

70. The cell of any one of claims 67-69, wherein the cell is a mammalian cell.

71. The cell of claim 70, wherein the cell is a human cell.

72. The cell of any one of claims 67-71, wherein the cell is a primary cell.

73. The cell of any one of claims 67-71, wherein the cell is a cultured cell.

74. The cell of claim 73, wherein the cultured cell is an immortalized cell.

75. The cell of any one of claims 67-74, wherein the cell is ex vivo or in vitro.

76. The cell of any one of claims 67-71, wherein the cell is in vivo.

77. The cell of any one of claims 67-76, wherein the cell is an immune cell.

78. The cell of claim 77, wherein the cell is a stem cell or a precursor cell capable of producing the immune cell.

79. The cell of claim 78, wherein the stem cell is a hematopoietic stem cells (HSC), an induced pluripotent stem cell (iPSC) or a dedifferentiated immune cell.

80. The cell of any one of claims 67-79, wherein the immune cell is a T lymphocyte (T cell), a B lymphocyte (B cell), a macrophage or a natural killer (NK) cell.

81. The cell of any one of claims 67-79, wherein the immune cell is a T cell.

82. The cell of claim 81, wherein the T cell is an alpha beta T cell.

83. The cell of claim 81, wherein the T cell is a gamma delta T cell.

84. The cell of any one of claims 67-79, wherein the immune cell is a NK cell.

85. A composition comprising a designed cytokine of any one of claims 1-44.

86. A composition comprising a nucleic acid of any one of claims 45-58.

87. A composition comprising a vector of any one of claims 59-66.

88. A composition comprising a cell of any one of claims 67-84.

89. A pharmaceutical composition comprising one or more of (1) a designed cytokine of any one of claims 1-44, a nucleic acid of any one of claims 45-58, a vector of any one of claims 59-66, and a cell of any one of claims 67-84 and (2) a pharmaceutically acceptable carrier.

90. The use of a designed cytokine of any one of claims 1-44, a nucleic acid of any one of claims 45-58, a vector of any one of claims 59-66, a cell of any one of claims 67-84 or a pharmaceutical composition of claim 71 in the manufacture of a medicament for the treatment of a disease or condition.

91. A designed cytokine of any one of claims 1-44, a nucleic acid of any one of claims 45-58, a vector of any one of claims 59-66, a cell of any one of claims 67-84 or a pharmaceutical composition of claim 89 for use in the treatment of a disease or condition.

92. The use of claim 90 or 91, wherein the disease or disorder comprises a cancer or a subtype thereof.

93. The use of claim 92, wherein the cancer or the subtype thereof comprises a liquid cancer.

94. The use of claim 92, wherein the cancer or the subtype thereof comprises a hematological cancer.

95. The use of claim 92, wherein the cancer or the subtype thereof comprises a solid cancer.

96. A method of treating a disease or disorder comprising administering to a subject an effective amount of a designed cytokine of any one of claims 1-44, a nucleic acid of any one of claims 45-58, a vector of any one of claims 59-66, a cell of any one of claims 67-84 or a pharmaceutical composition of claim 89, wherein a severity of a sign or symptom of the disease or disorder is decreased, thereby treating the disease or disorder.

97. A method of preventing a disease or a disorder, comprising administering to a subject an effective amount of a designed cytokine of any one of claims 1-44, a nucleic acid of any one of claims 45-58, a vector of any one of claims 59-66, a cell of any one of claims 67-84 or a pharmaceutical composition of claim 89, wherein an onset or a relapse of a sign or symptom of the disease or disorder is delayed or inhibited, thereby preventing the disease or disorder.

98. The method of claim 96 or 97, wherein the disease or disorder comprises a cancer or a subtype thereof.

99. The method of claim 98, wherein the cancer or the subtype thereof comprises a liquid cancer.

100. The method of claim 98, wherein the cancer or the subtype thereof comprises a hematological cancer.

101. The method of claim 98, wherein the cancer or the subtype thereof comprises a solid cancer.

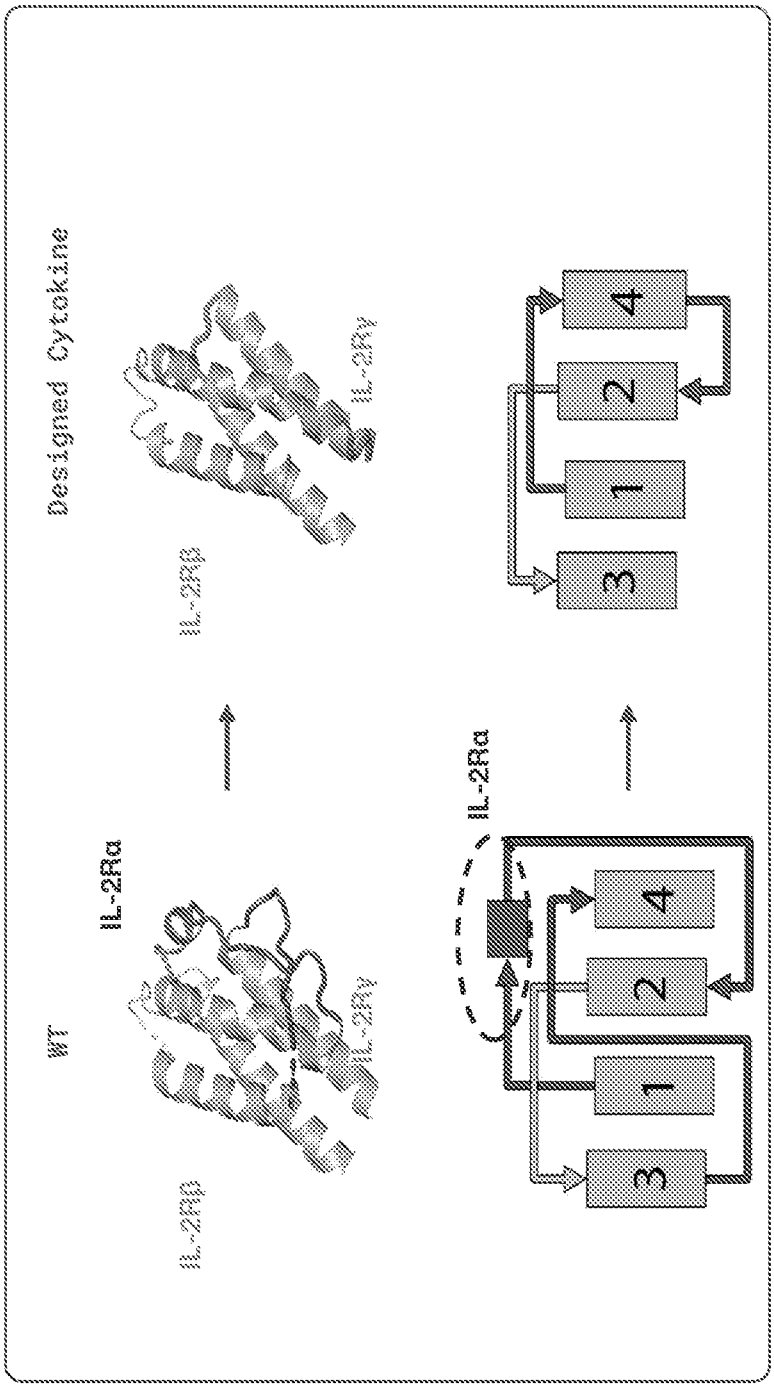

WT
IL-2Rα
IL-2Rβ
IL-2Rγ
Designed Cytokine
IL-2Rβ
IL-2Rγ
IL-2Rα
1
2
3
4

FIG. 1A

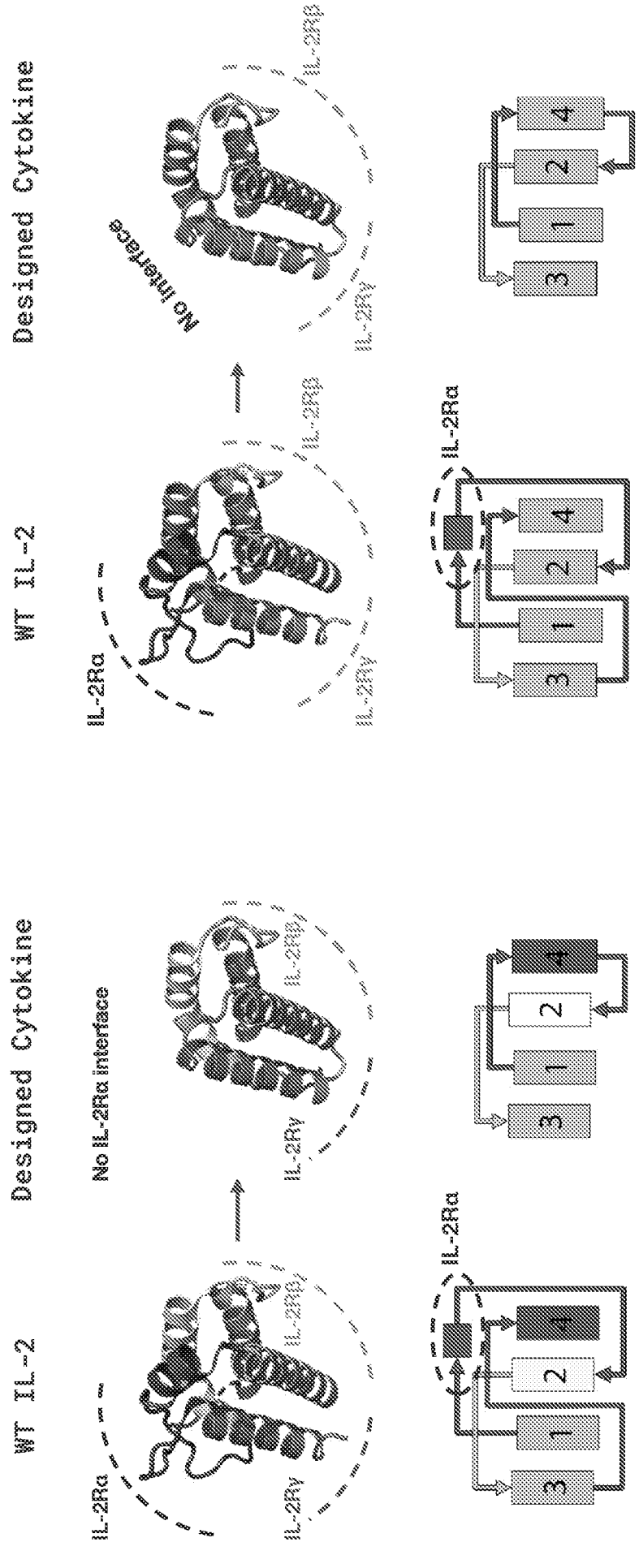

WT IL-2
Designed Cytokine
No IL-2Rα interface
IL-2Rα
IL-2Rβ
IL-2Rγ
WT IL-2
Designed Cytokine
No interface
IL-2Rα
IL-2Rβ
IL-2Rγ
1
2
3
4

FIG. 1B

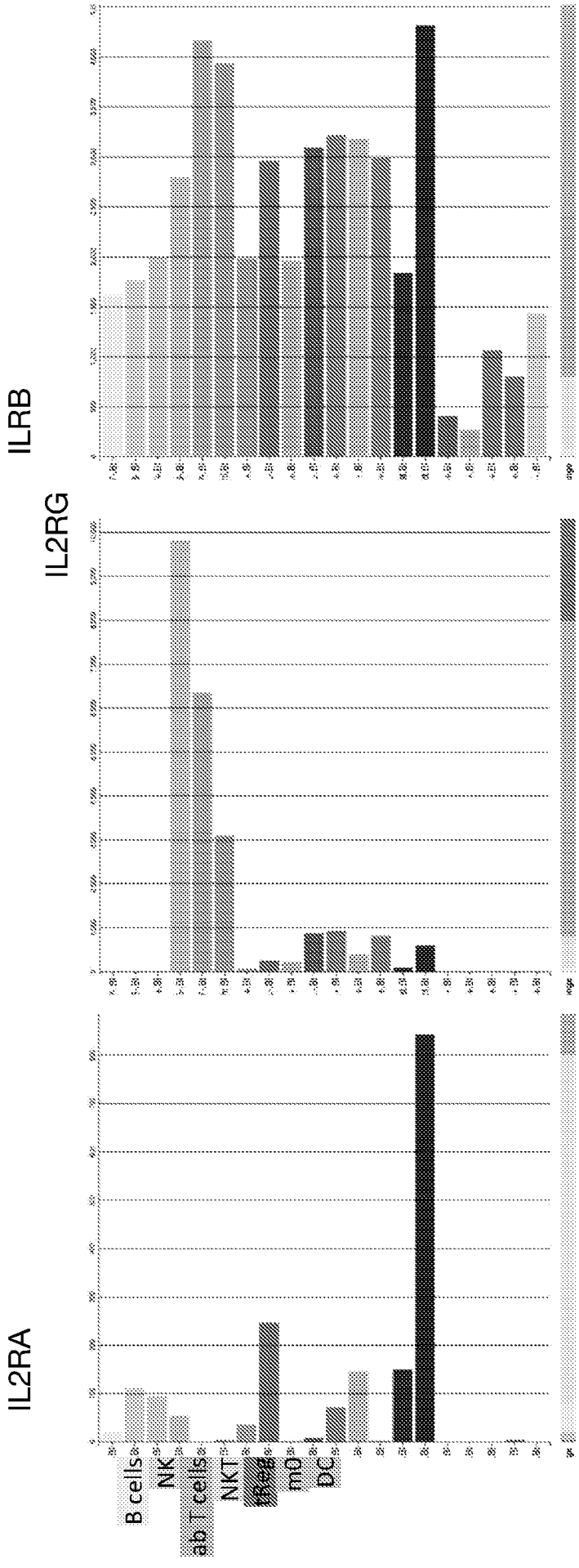


FIG. 2

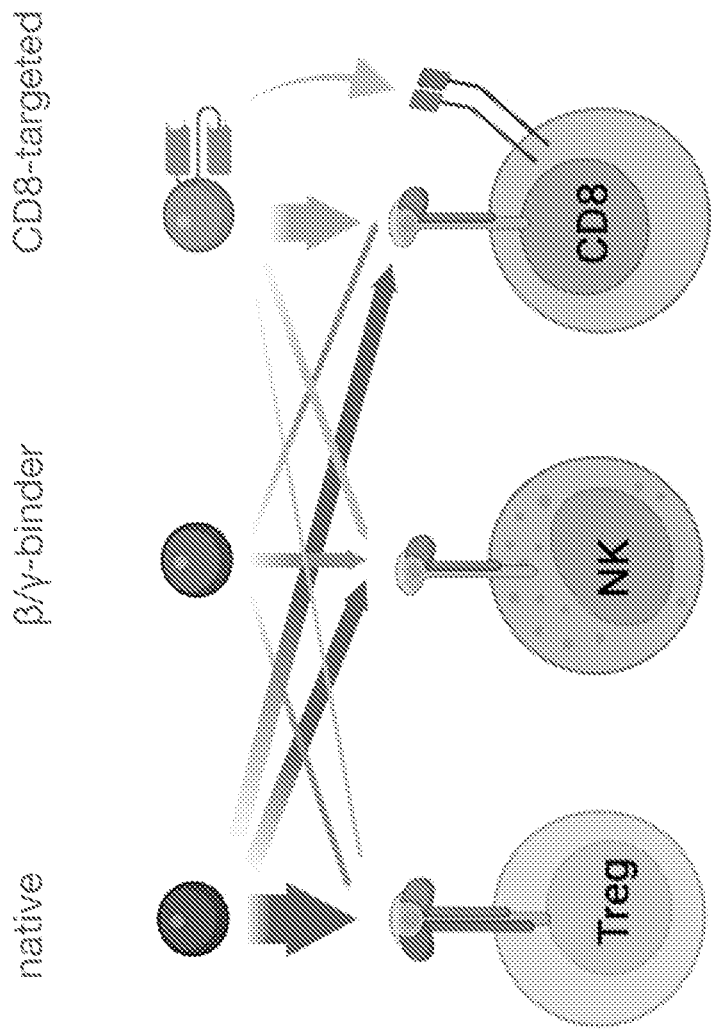


FIG. 3A

Use of Designed Cytokine in a variety of cell types and for different applications
Designed Cytokine
Native IL-2
β/γ binder
Subtype-targeted
Tethered
Treg
NK
CD8
CAR T
TME-localized activity
(Solid)
TME-localized / subset-specific activity
(Solid)
Minimal bystander activity
(Heme / NK)

FIG. 3B

WT IL-2 has **long loops** that mediate binding to IL-2Rα but do not interact with IL-2/15Rβ or γ_c

Designed Cytokine removes IL-2Rα binding residues with *minimal changes* that retain native IL-2/15Rβ + γ_c interfaces; **short, structured loops** increase protein stability.

FIG. 4

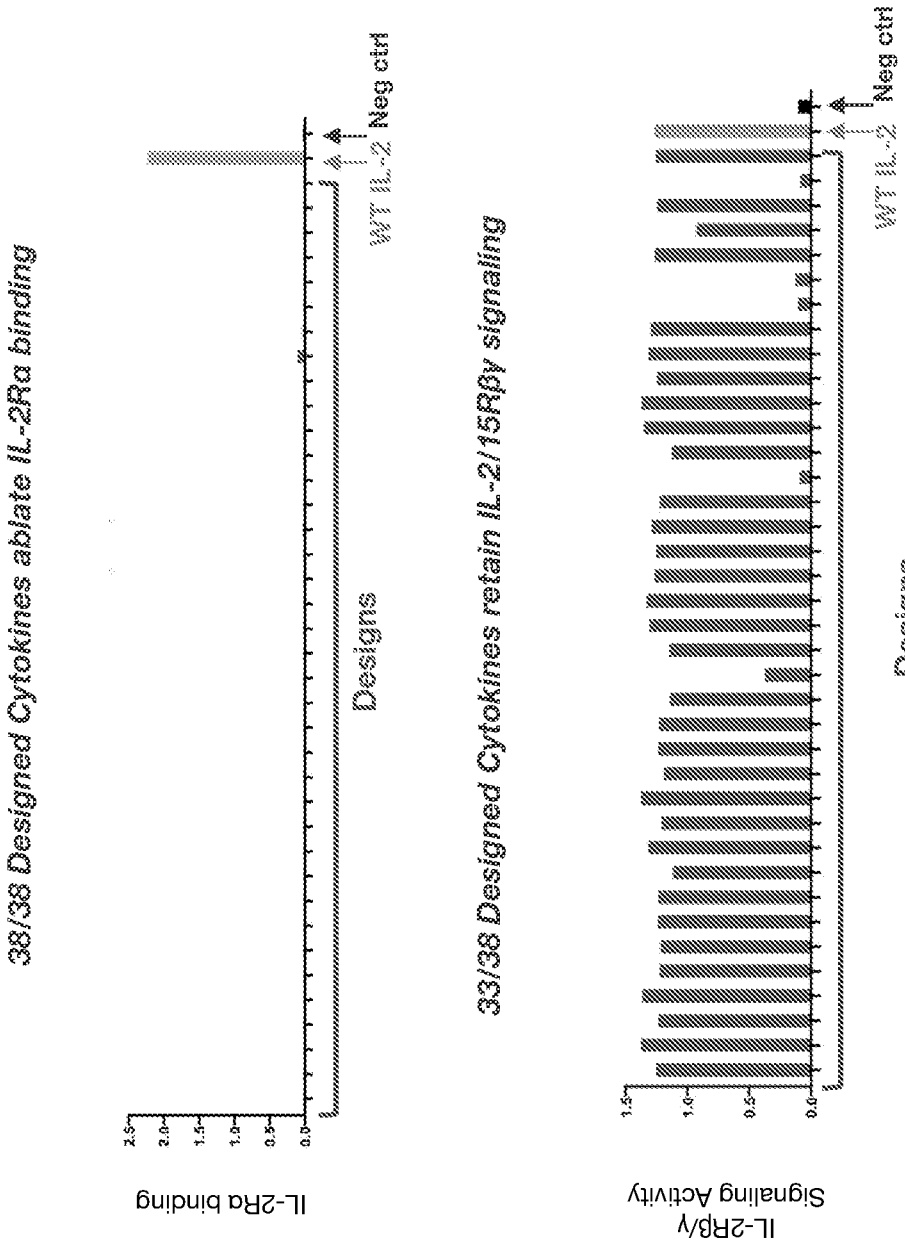

38/38 Designed Cytokines ablate IL-2Rα binding
IL-2Rα binding
2.5
2.0
1.5
1.0
0.5
0.0
Designs
WT IL-2
Neg ctrl
33/38 Designed Cytokines retain IL-2/15Rβγ signaling
IL-2Rβ/γ
Signaling Activity
1.5
1.0
0.5
0.0
Designs
WT IL-2
Neg ctrl

FIG. 5A

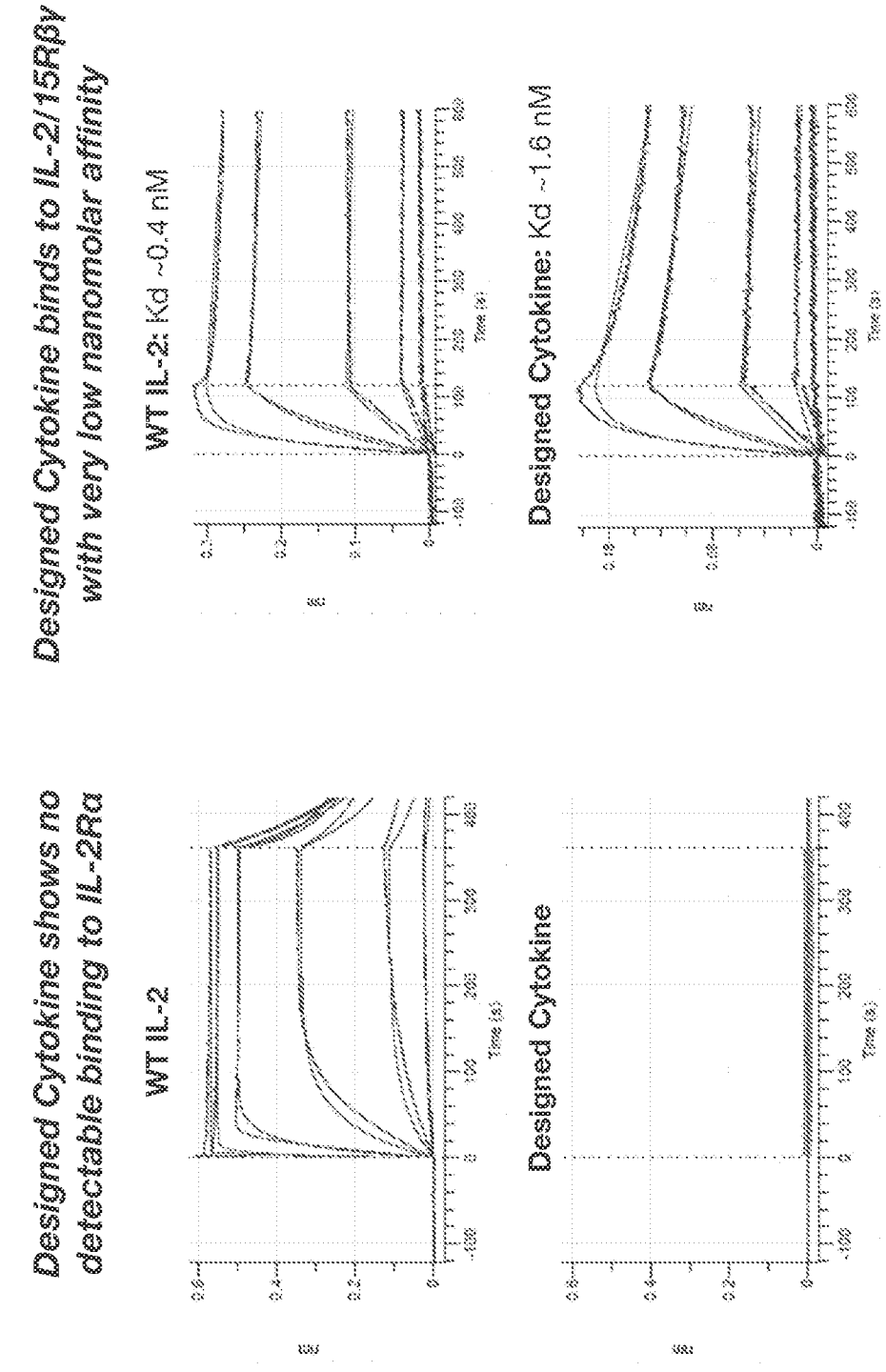

Designed Cytokine shows no detectable binding to IL-2Rα
WT IL-2
Designed Cytokine
Designed Cytokine binds to IL-2/15Rβγ with very low nanomolar affinity
WT IL-2: Kd ~0.4 nM
Designed Cytokine: Kd ~1.6 nM
0.9 nM to 3000 nM cytokine tested

FIG. 5B

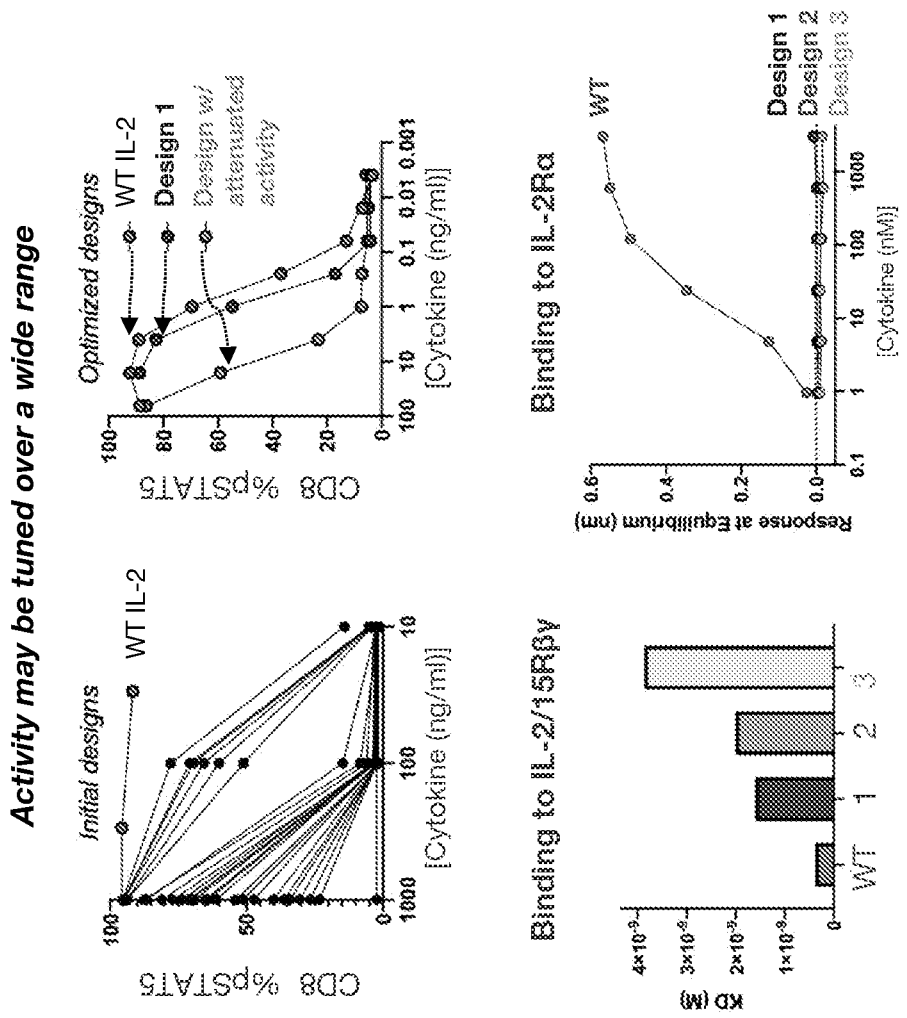

Activity may be tuned over a wide range
Initial designs
WT IL-2
CD8 %pSTAT5
[Cytokine (ng/ml)]
Optimized designs
WT IL-2
Design 1
Design w/ attenuated activity
CD8 %pSTAT5
[Cytokine (ng/ml)]
Binding to IL-2/15Rβγ
KD (M)
WT
1
2
3
Binding to IL-2Rα
WT
Design 1
Design 2
Design 3
Response at Equilibrium (nm)
[Cytokine (nM)]

FIG. 6

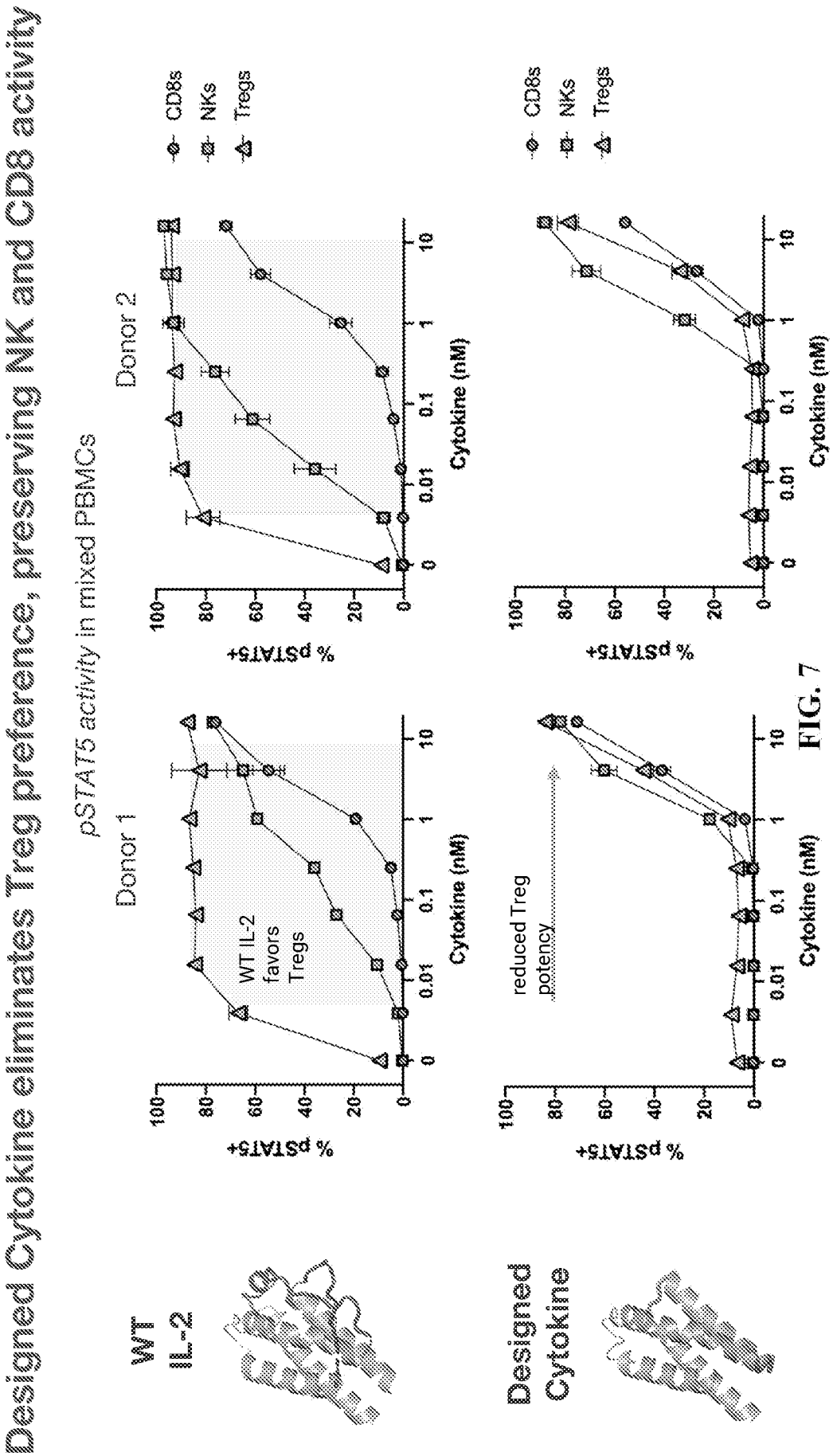

Designed Cytokine eliminates Treg preference, preserving NK and CD8 activity
pSTAT5 activity in mixed PBMCs
Donor 1
Donor 2
CD8s
NKs
Tregs
% pSTAT5+
Cytokine (nM)
WT IL-2 favors Tregs
reduced Treg potency
WT IL-2
Designed Cytokine

FIG. 7

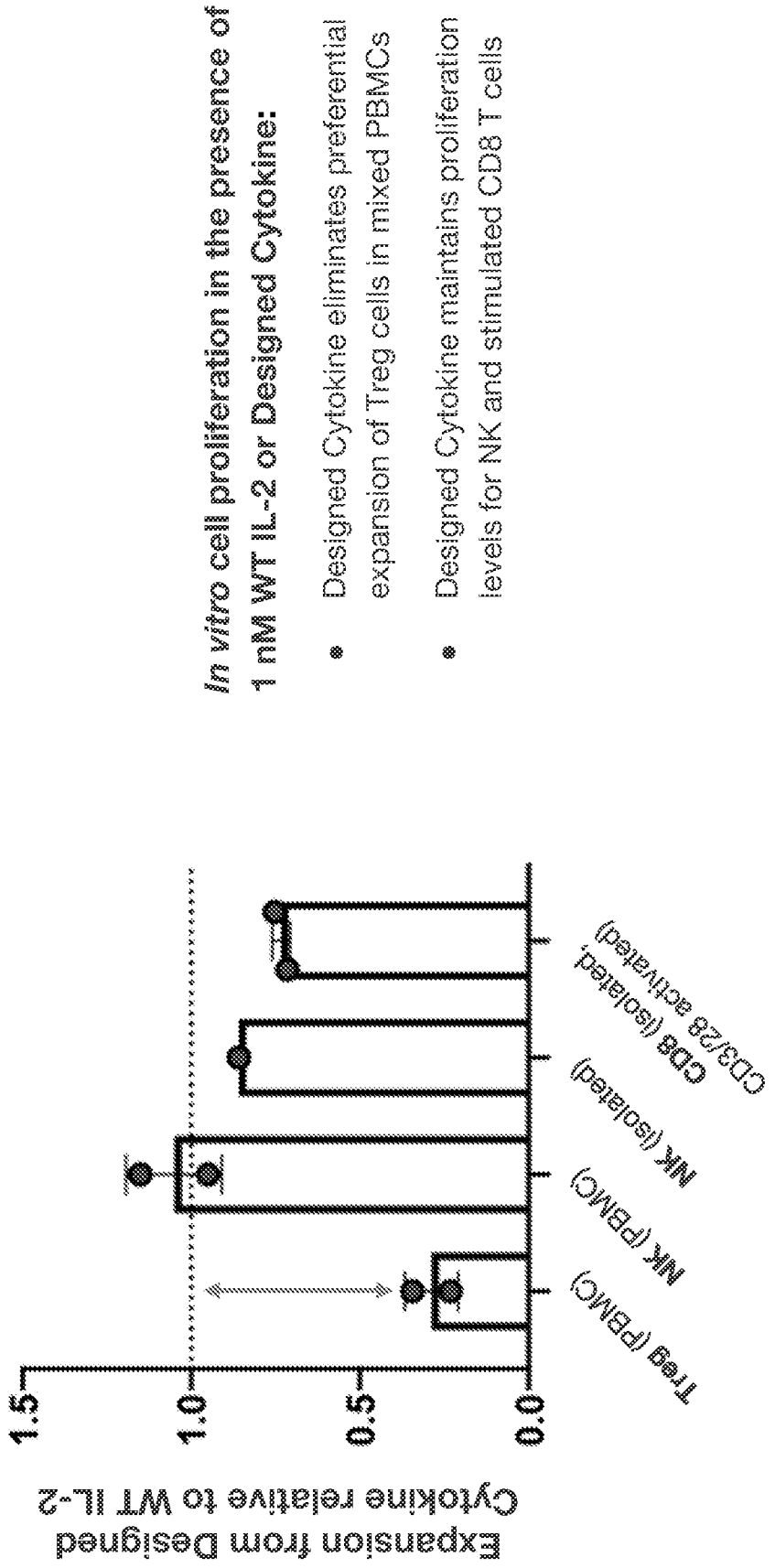

In vitro cell proliferation in the presence of 1 nM WT IL-2 or Designed Cytokine:
• Designed Cytokine eliminates preferential expansion of Treg cells in mixed PBMCs
• Designed Cytokine maintains proliferation levels for NK and stimulated CD8 T cells
Expansion from Designed Cytokine relative to WT IL-2
1.5
1.0
0.5
0.0
Treg (PBMC)
NK (PBMC)
NK (isolated)
CD8 (isolated, CD3/28 activated)

FIG. 8

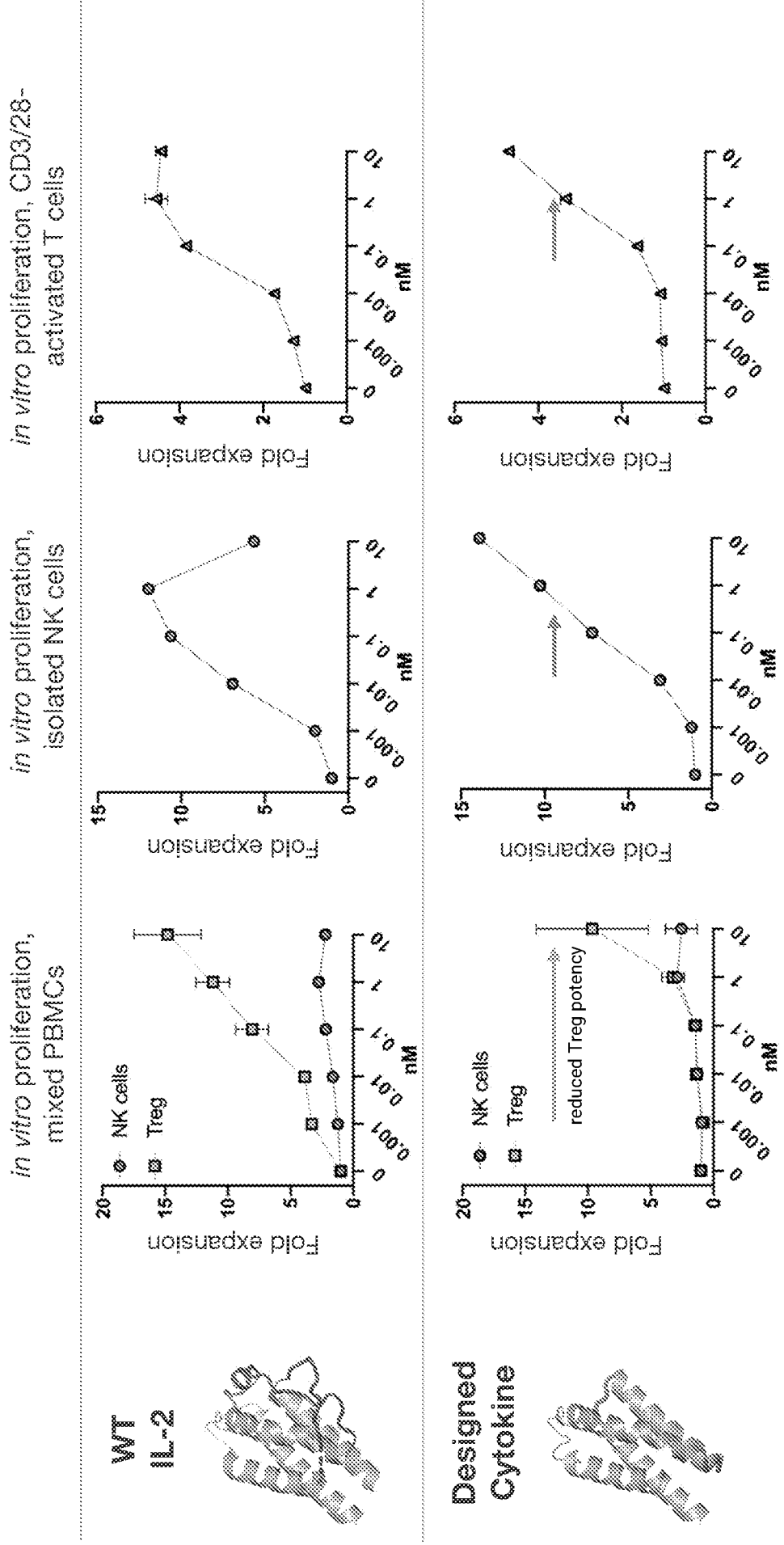
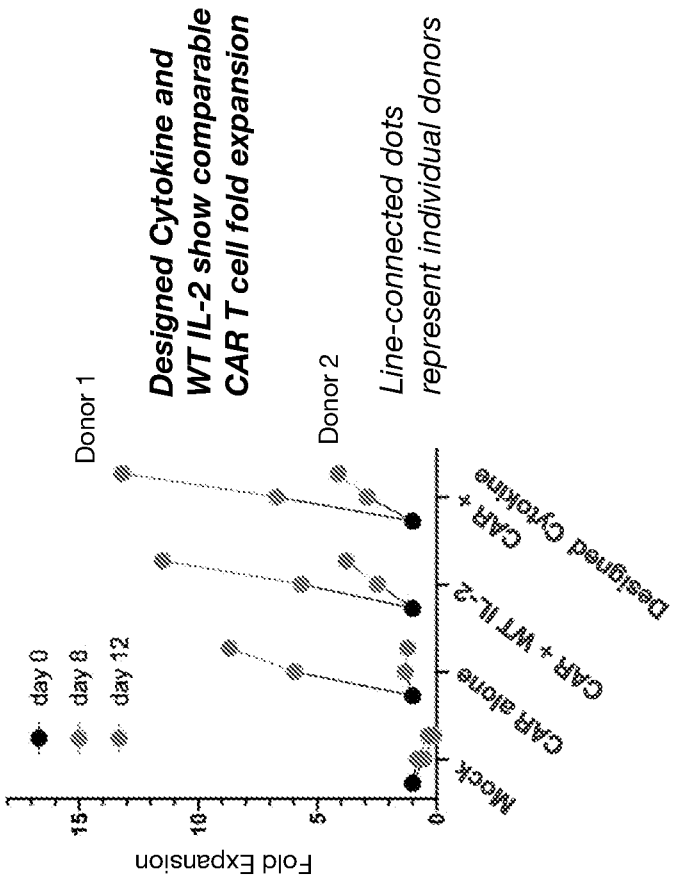

in vitro proliferation, mixed PBMCs
in vitro proliferation, isolated NK cells
in vitro proliferation, CD3/28-activated T cells
WT IL-2
Designed Cytokine
NK cells
Treg
reduced Treg potency
Fold expansion
nM

FIG. 9


Designed Cytokine and
WT IL-2 show comparable
CAR T cell fold expansion
Line-connected dots
represent individual donors
Donor 1
Donor 2
day 0
day 8
day 12
Fold Expansion
0
5
10
15
Mock
CAR alone
CAR + WT IL-2
CAR + Designed Cytokine

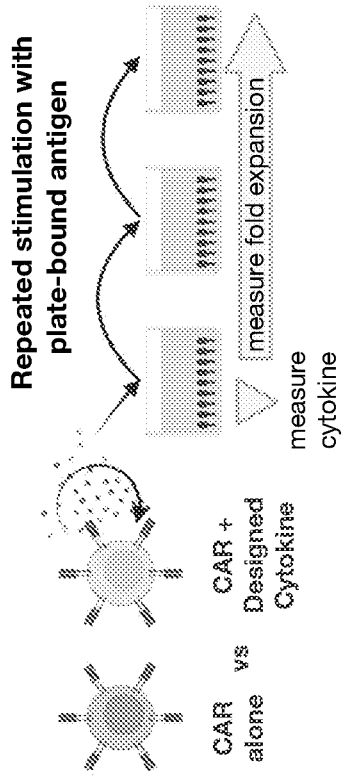

Repeated stimulation with
plate-bound antigen
measure fold expansion
measure
cytokine
CAR alone
vs
CAR +
Designed
Cytokine

FIG. 10

Engineering desired promoters for Designed Cytokine:

- "Off" state shows no T cell expansion in cytokine free media
- "On" state levels increase expansion relative to no cytokine condition
- Maintain circulating levels below thresholds known to be safe in blood
- Evaluate antigen-induced production in response to stimulation using plate-bound antigen & target cells
- Measure levels of secreted Designed Cytokine
- Measure levels of mRNA and copy number using ddPCR

FIG. 11

Protein unfolding measured by intrinsic fluorescence
Designed Cytokine
wt IL2 (internal)
~3.5M — ~4.5M
Normalized Fluorescence (350/330 nm)
100
50
0
0
2
4
6
[GdnHCl (M)]
WT IL-2
Designed Cytokine
Designed Cytokine does not contain IL-2Rα binding residues with minimal changes. Short, structured loops increase protein stability

FIG. 12

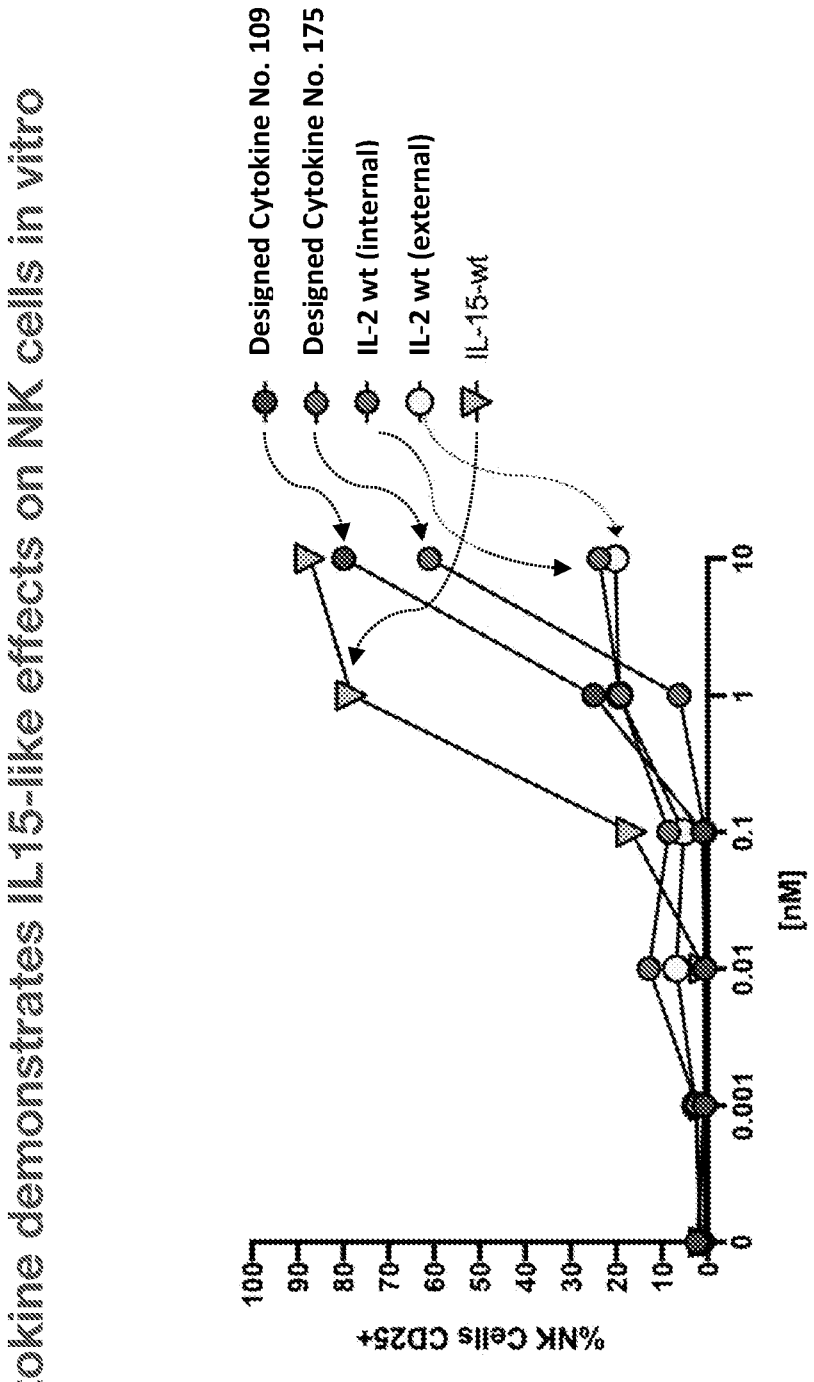

Designed Cytokine demonstrates IL15-like effects on NK cells in vitro
Designed Cytokine No. 109
Designed Cytokine No. 175
IL-2 wt (internal)
IL-2 wt (external)
IL-15-wt
%NK Cells CD25+
100
90
80
70
60
50
40
30
20
10
0
0
0.001
0.01
0.1
1
10
[nM]

FIG. 13

TME-targeting of Designed Cytokines having Targeting Moieties
Confirmation of TME targeting moiety fused to Designed Cytokine
Fusion with targeting moiety does not impair receptor binding and signalling by Designed Cytokine
Designed Cytokine fused to a targeting moiety signals when presented in trans by a target cell.
TME target
Targeting moiety
Designed Cytokine
Targeting moiety
Designed Cytokine
JAK
JAK
JAK
JAK

FIG. 14A

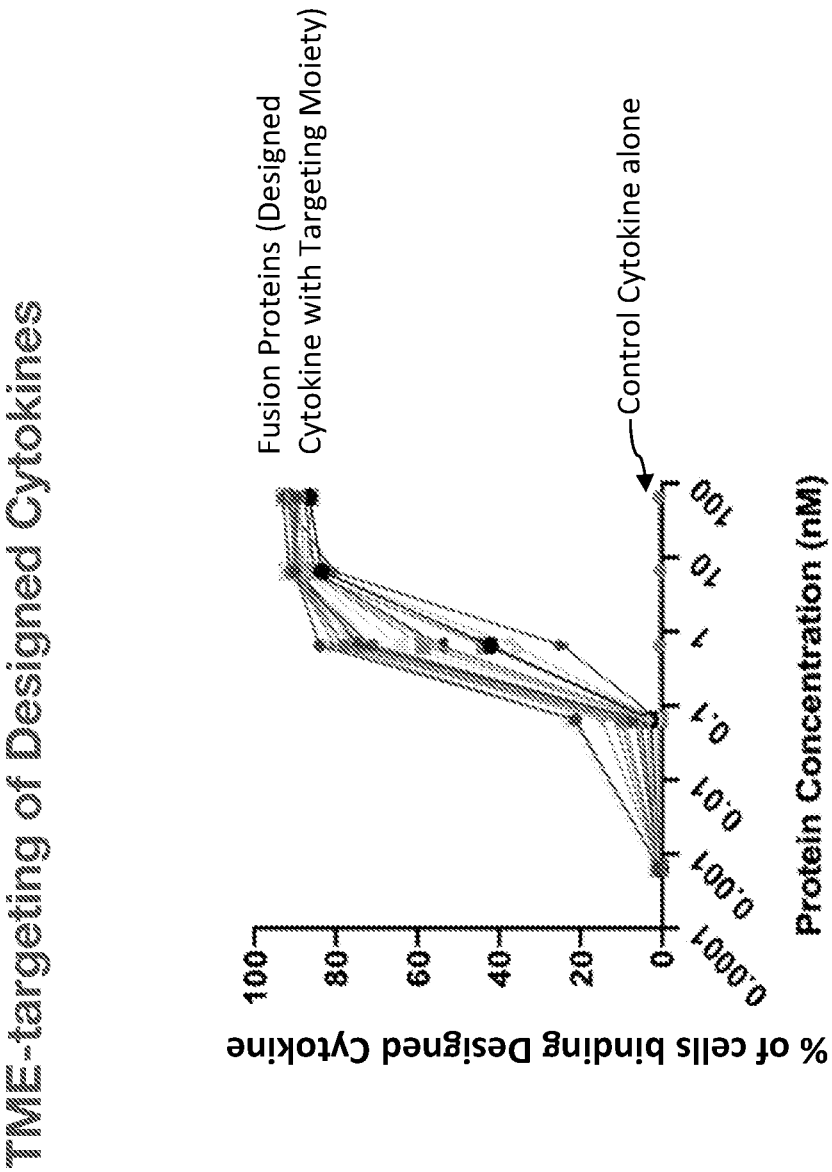

TME-targeting of Designed Cytokines
Fusion Proteins (Designed Cytokine with Targeting Moiety)
Control Cytokine alone
% of cells binding Designed Cytokine
100
80
60
40
20
0
0.0001
0.001
0.01
0.1
1
10
100
Protein Concentration (nM)

FIG. 14B

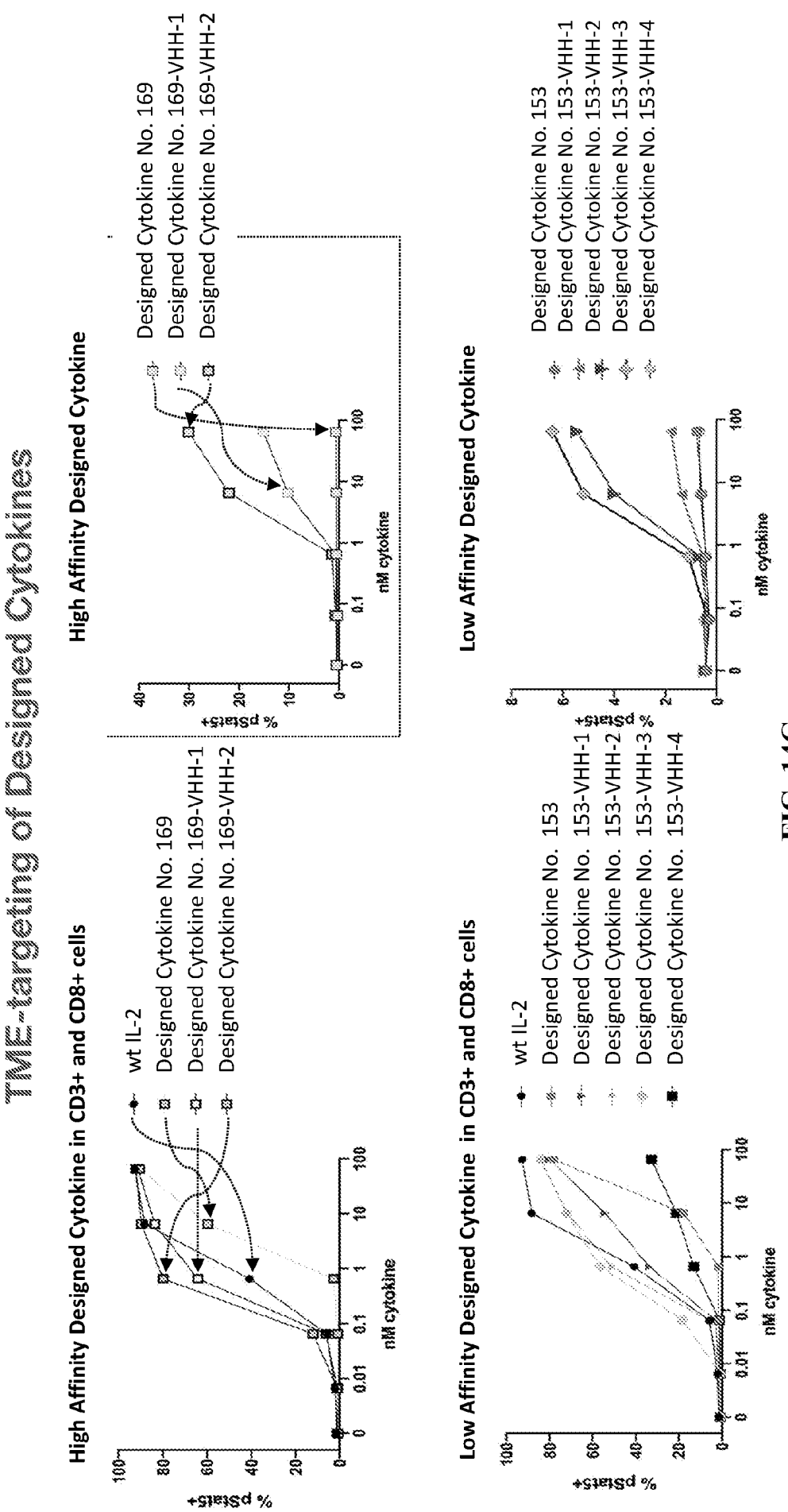
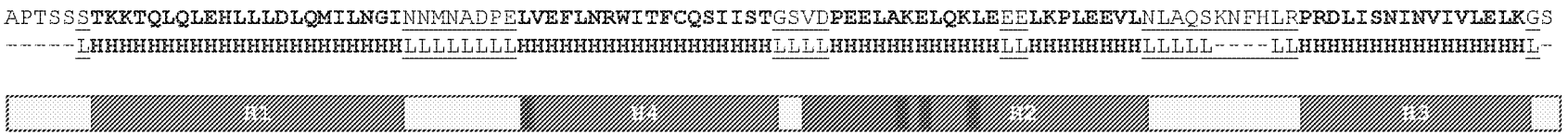
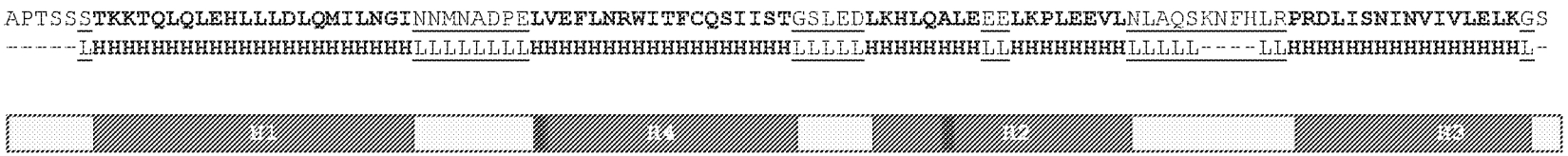

TME-targeting of Designed Cytokines
High Affinity Designed Cytokine in CD3+ and CD8+ cells
wt IL-2
Designed Cytokine No. 169
Designed Cytokine No. 169-VHH-1
Designed Cytokine No. 169-VHH-2
% pStat5+
nM cytokine
High Affinity Designed Cytokine
Low Affinity Designed Cytokine in CD3+ and CD8+ cells
wt IL-2
Designed Cytokine No. 153
Designed Cytokine No. 153-VHH-1
Designed Cytokine No. 153-VHH-2
Designed Cytokine No. 153-VHH-3
Designed Cytokine No. 153-VHH-4
Low Affinity Designed Cytokine

FIG. 14C

"Conjugation" Designed Cytokine No. 153 comprising SEQ ID NO: 264



"High Activity" Designed Cytokine No. 169 comprising SEQ ID NO: 280



WT IL-2 comprising SEQ ID NO: 500

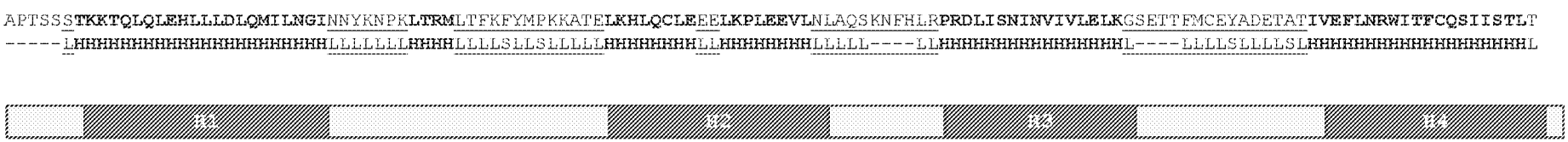


FIG. 15

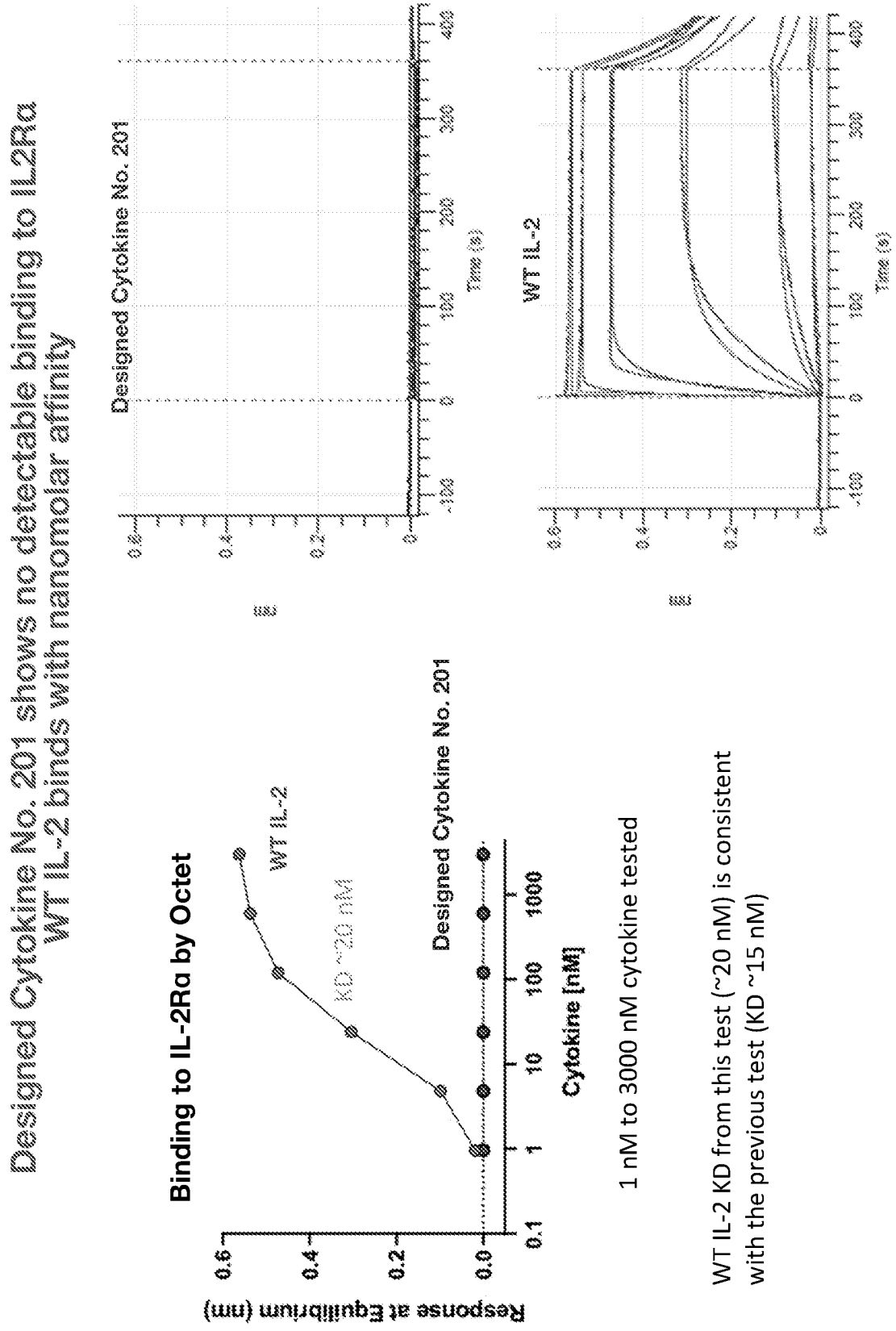

Designed Cytokine No. 201 shows no detectable binding to IL2Ra
WT IL-2 binds with nanomolar affinity
Binding to IL-2Ra by Octet
Response at Equilibrium (nm)
0.6
0.4
0.2
0.0
0.1
1
10
100
1000
Cytokine [nM]
WT IL-2
KD ~20 nM
Designed Cytokine No. 201
1 nM to 3000 nM cytokine tested
WT IL-2 KD from this test (~20 nM) is consistent with the previous test (KD ~15 nM)
Designed Cytokine No. 201
WT IL-2
Time (s)
-100
0
100
200
300
400
0.0
0.2
0.4
0.6

FIG. 16

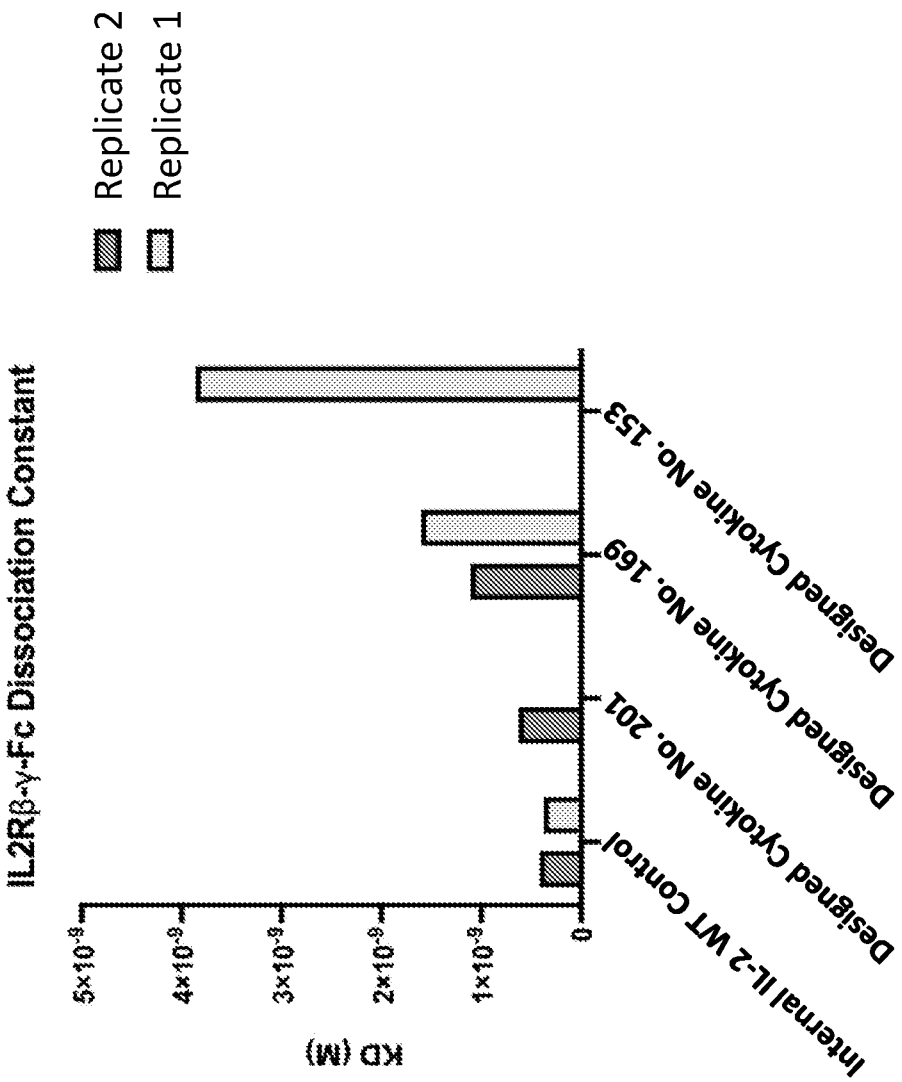

IL2Rβ-γ-Fc Dissociation Constant
Replicate 2
Replicate 1
KD (M)
5×10⁻⁸
4×10⁻⁸
3×10⁻⁸
2×10⁻⁸
1×10⁻⁸
0
Internal IL-2 WT Control
Designed Cytokine No. 201
Designed Cytokine No. 169
Designed Cytokine No. 153

FIG. 17A

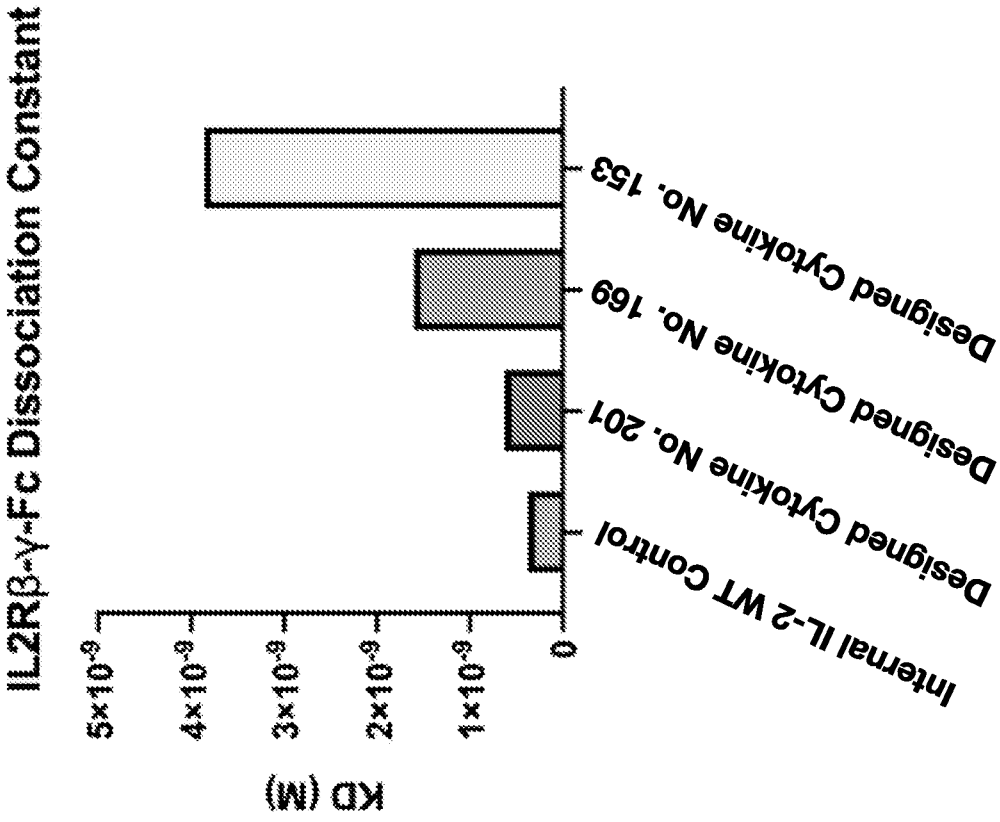

IL2Rβ-γ-Fc Dissociation Constant
KD (M)
5×10-9
4×10-9
3×10-9
2×10-9
1×10-9
0
Internal IL-2 WT Control
Designed Cytokine No. 201
Designed Cytokine No. 169
Designed Cytokine No. 153

FIG. 17B

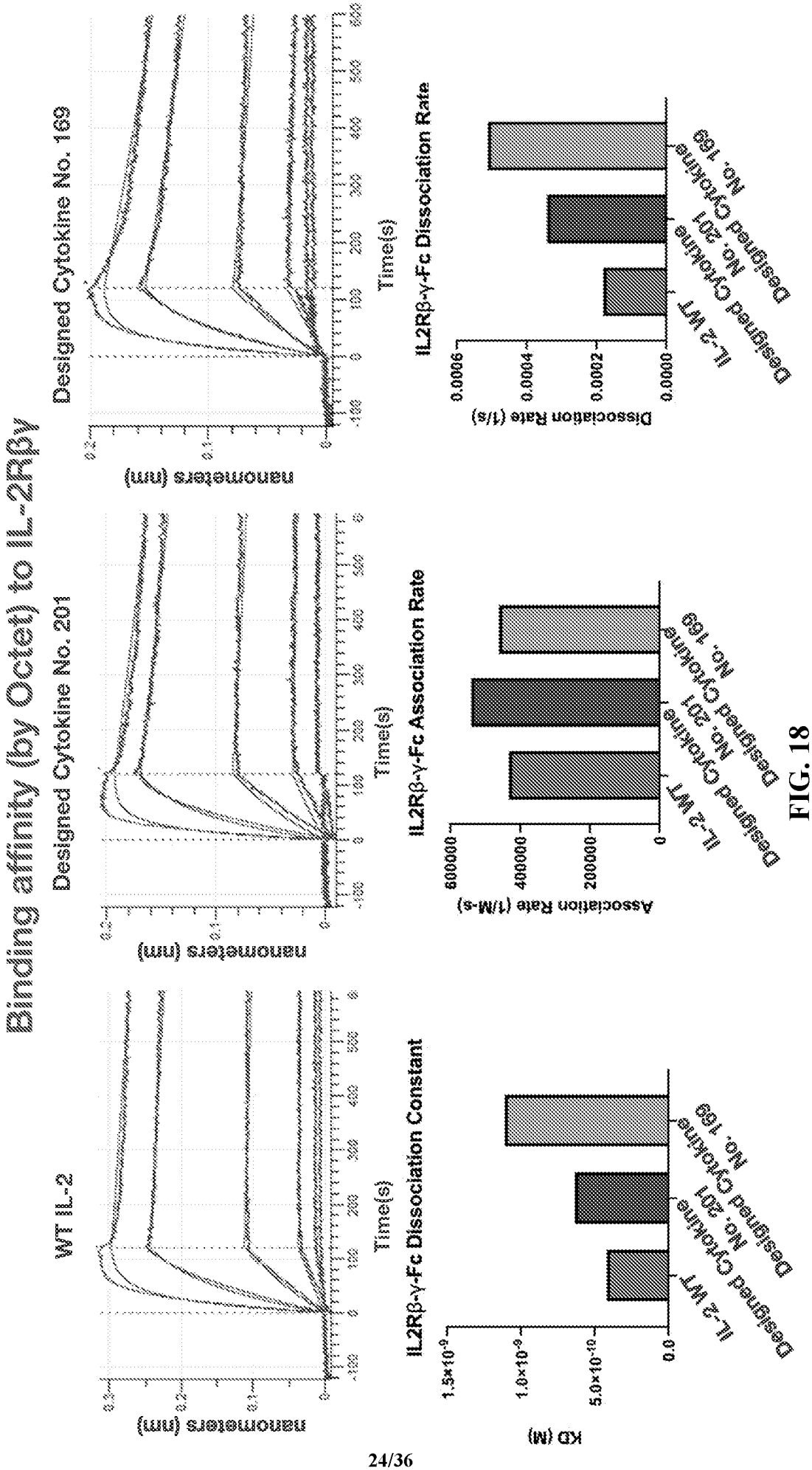

Binding affinity (by Octet) to IL-2Rβγ
WT IL-2
Designed Cytokine No. 201
Designed Cytokine No. 169
nanometers (nm)
Time(s)
IL2Rβ-γ-Fc Dissociation Constant
KD (M)
IL2Rβ-γ-Fc Association Rate
Association Rate (1/M-s)
IL2Rβ-γ-Fc Dissociation Rate
Dissociation Rate (1/s)
IL-2 WT
Designed Cytokine No. 201
Designed Cytokine No. 169

FIG. 18

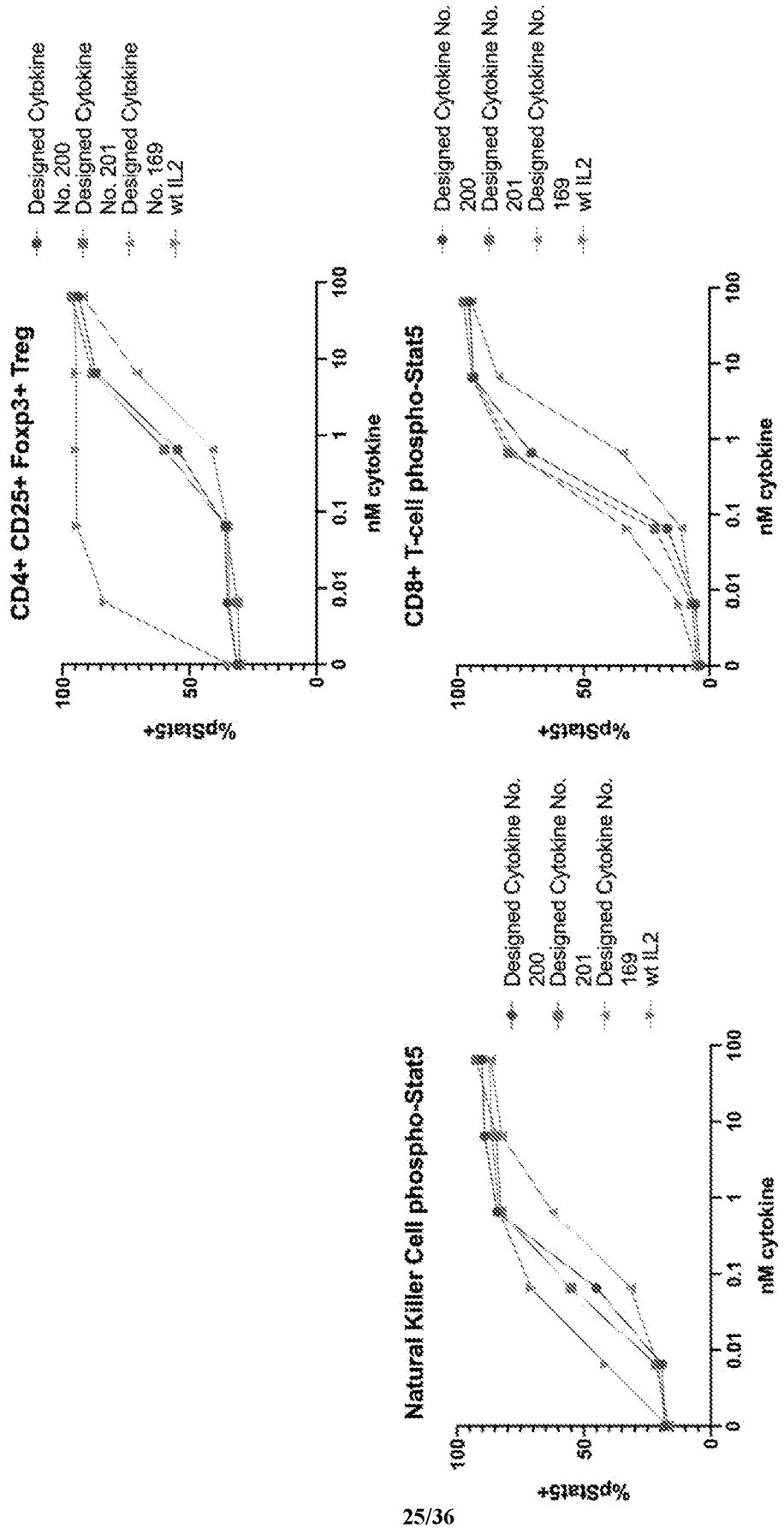

CD4+ CD25+ Foxp3+ Treg
%pStat5+
nM cytokine
Designed Cytokine No. 200
Designed Cytokine No. 201
Designed Cytokine No. 169
wt IL2
CD8+ T-cell phospho-Stat5
%pStat5+
nM cytokine
Designed Cytokine No. 200
Designed Cytokine No. 201
Designed Cytokine No. 169
wt IL2
Natural Killer Cell phospho-Stat5
%pStat5+
nM cytokine
Designed Cytokine No. 200
Designed Cytokine No. 201
Designed Cytokine No. 169
wt IL2

FIG. 19

Targeting of Designed Cytokine
Resting CD8+ T cells
CD4+ CD25+ Foxp3+ Treg cells
Targeted Designed Cytokine No. 169
Targeted Designed Cytokine No. 153
%pStat5+
nM cytokine
PD-1-targeted
CD8-targeted
PD-L1-targeted
No targeting
WT IL-2
(no targeting)
VHH binder
OutSmart™
PD-1 & CD8 (cis-targeting) enables targeting of activated T cells
PD-L1 targeting enables both cis (on activated cells) & trans presentation of Designed Cytokine

FIG. 20

Targeting of Designed Cytokine
CAR-T cells were sequentially challenged with H1975 tumor cells in the presence of recombinant Designed Cytokine, Designed Cytokine + binding domain to target (added separately at equimolar ratios), or targeted Designed Cytokine: **Targeted Designed Cytokine No. 169 is fused to a VHH binding domain that binds either PD-L1, PD-1, or CD8.**

FIG. 21A

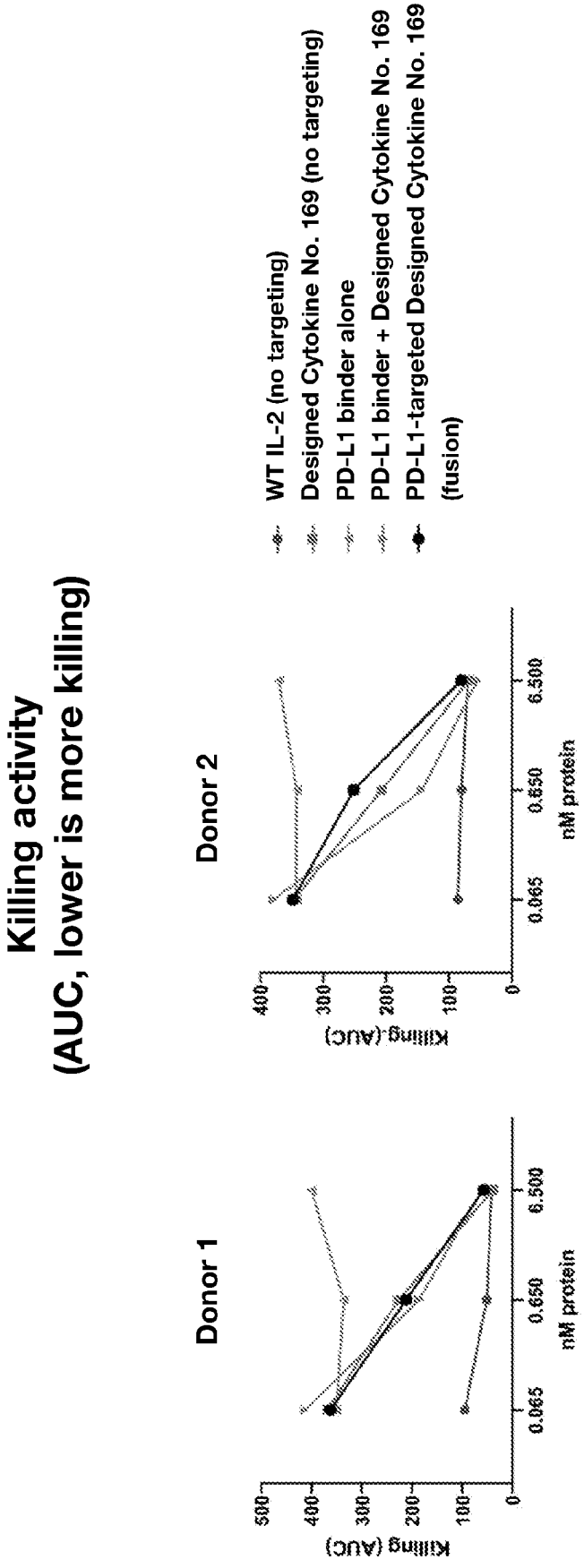

Killing activity
(AUC, lower is more killing)
PD-L1
Targeting
Donor 1
Donor 2
Killing (AUC)
nM protein
0
100
200
300
400
500
0.065
0.650
6.500
WT IL-2 (no targeting)
Designed Cytokine No. 169 (no targeting)
PD-L1 binder alone
PD-L1 binder + Designed Cytokine No. 169
PD-L1-targeted Designed Cytokine No. 169 (fusion)

FIG. 21B

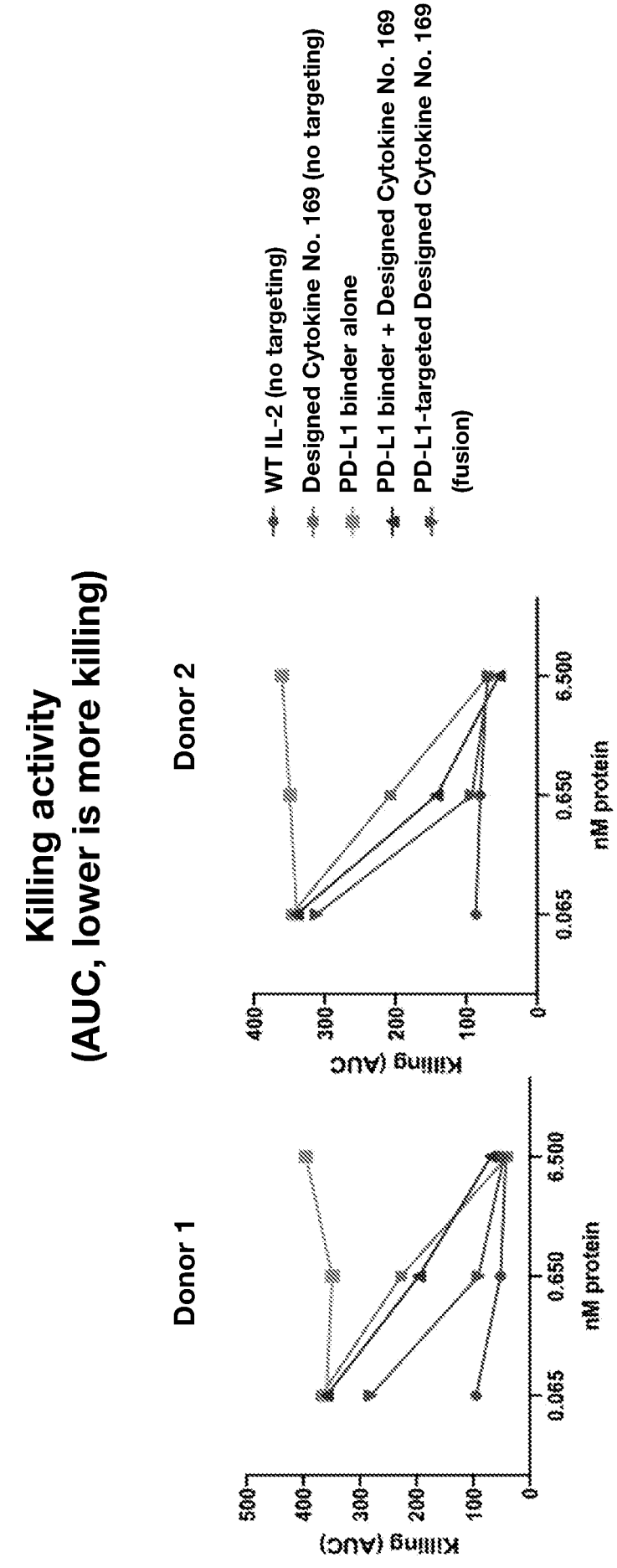

PD-1 Targeting
Killing activity
(AUC, lower is more killing)
Donor 1
Donor 2
Killing (AUC)
nM protein
WT IL-2 (no targeting)
Designed Cytokine No. 169 (no targeting)
PD-L1 binder alone
PD-L1 binder + Designed Cytokine No. 169
PD-L1-targeted Designed Cytokine No. 169 (fusion)

FIG. 21C

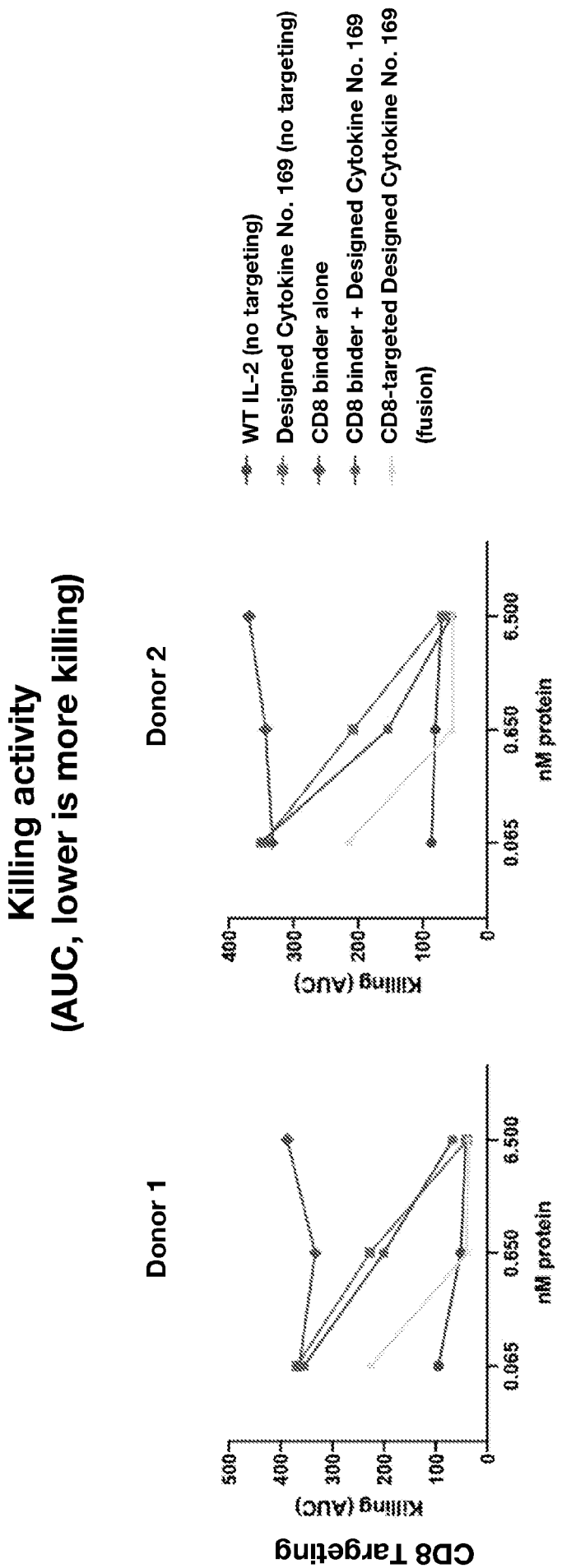

Killing activity
(AUC, lower is more killing)
Donor 1
Donor 2
CD8 Targeting
Killing (AUC)
nM protein
0
100
200
300
400
500
0.065
0.650
6.500
WT IL-2 (no targeting)
Designed Cytokine No. 169 (no targeting)
CD8 binder alone
CD8 binder + Designed Cytokine No. 169
CD8-targeted Designed Cytokine No. 169 (fusion)

FIG. 21D

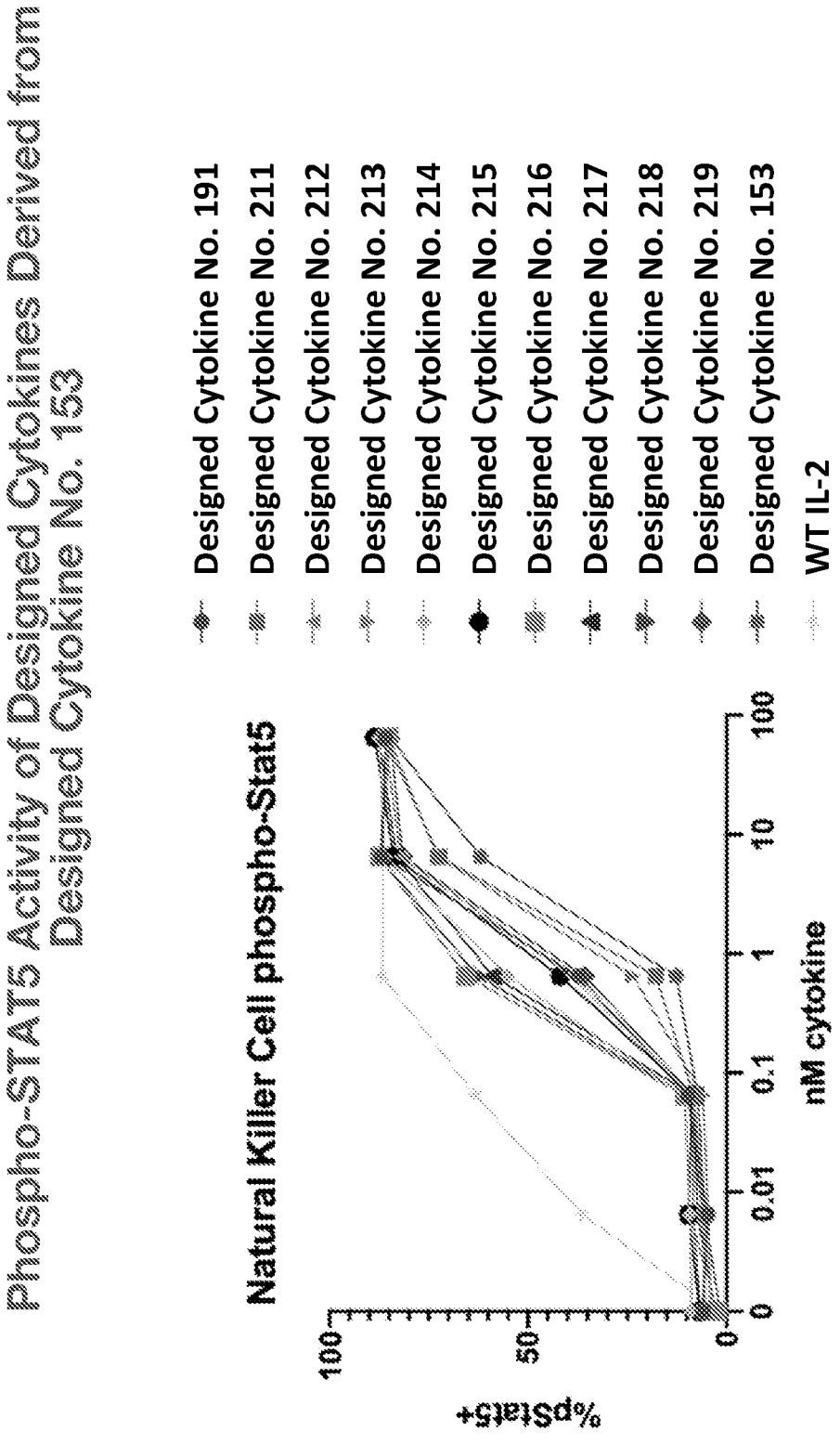

Phospho-STAT5 Activity of Designed Cytokines Derived from Designed Cytokine No. 153
Natural Killer Cell phospho-Stat5
%pStat5+
100
50
0
0
0.01
0.1
1
10
100
nM cytokine
Designed Cytokine No. 191
Designed Cytokine No. 211
Designed Cytokine No. 212
Designed Cytokine No. 213
Designed Cytokine No. 214
Designed Cytokine No. 215
Designed Cytokine No. 216
Designed Cytokine No. 217
Designed Cytokine No. 218
Designed Cytokine No. 219
Designed Cytokine No. 153
WT IL-2

FIG. 22A

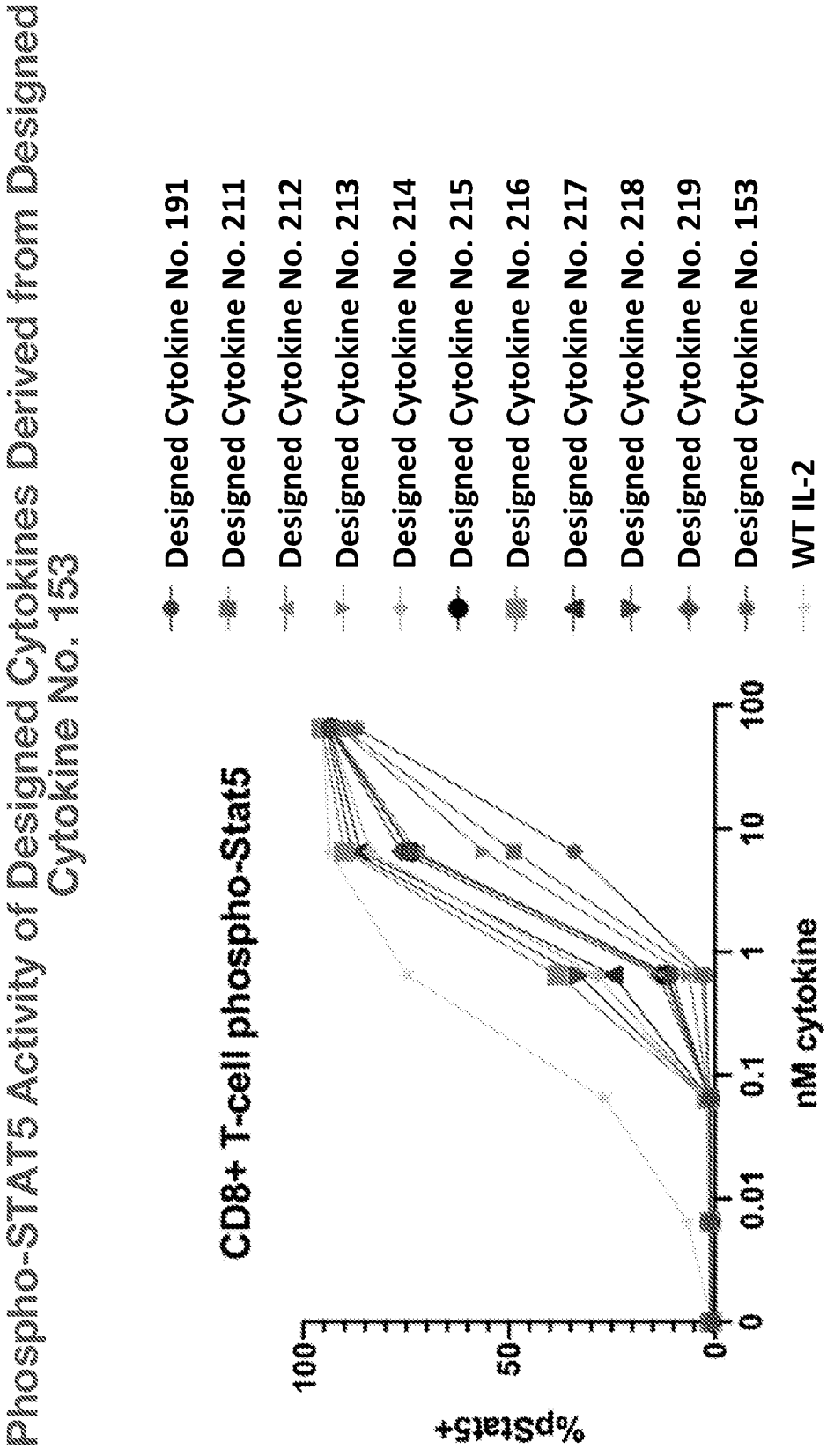

Phospho-STAT5 Activity of Designed Cytokines Derived from Designed Cytokine No. 153
CD8+ T-cell phospho-Stat5
%pStat5+
100
50
0
0
0.01
0.1
1
10
100
nM cytokine
Designed Cytokine No. 191
Designed Cytokine No. 211
Designed Cytokine No. 212
Designed Cytokine No. 213
Designed Cytokine No. 214
Designed Cytokine No. 215
Designed Cytokine No. 216
Designed Cytokine No. 217
Designed Cytokine No. 218
Designed Cytokine No. 219
Designed Cytokine No. 153
WT IL-2

FIG. 22B

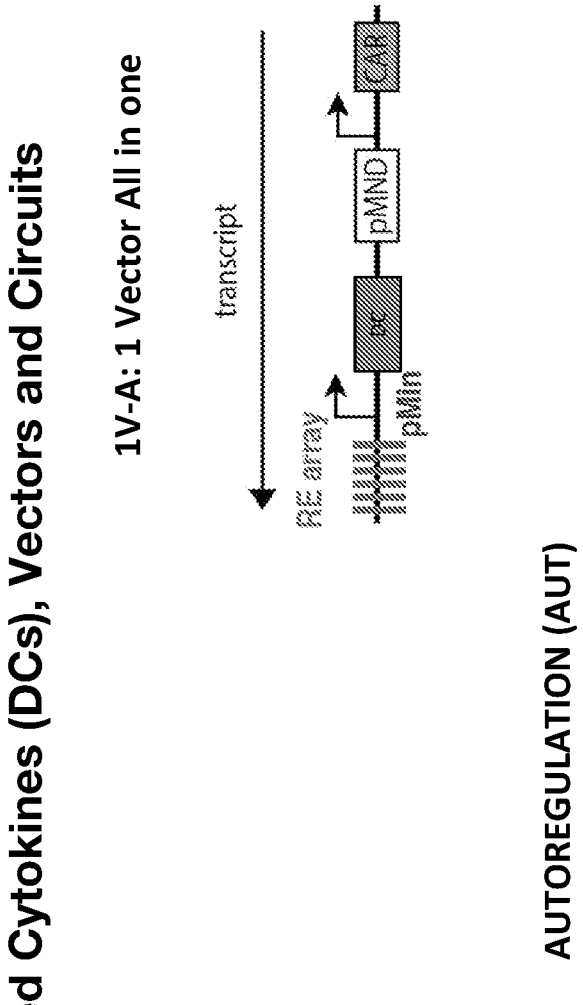

Inducible Designed Cytokines (DCs), Vectors and Circuits
2V-A: 2 Vector All in one
transcript
RE array
pMin
pMND
Marker
transcript
pMND
CAR
1V-A: 1 Vector All in one
transcript
RE array
pMin
pMND
CAR
AUTOREGULATION (AUT)
transcript
RE array
pMin
CAR
P2A
Stim Turn On

FIG. 23A

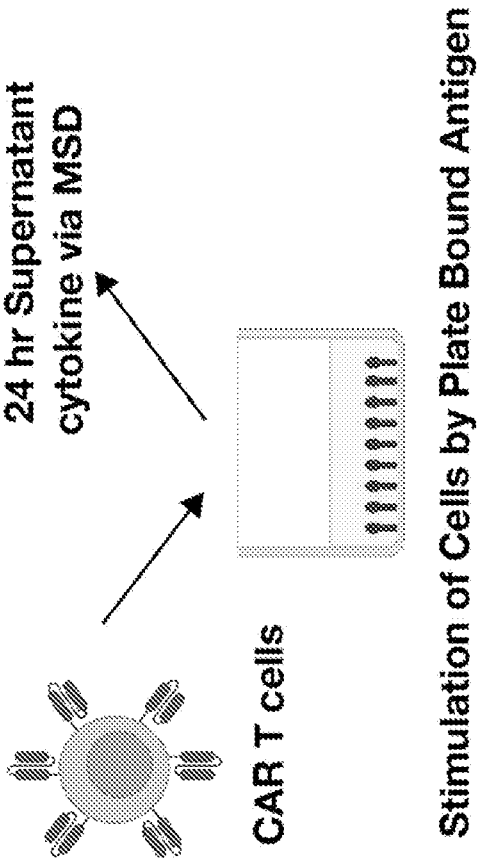

24 hr Supernatant
cytokine via MSD
CAR T cells
Stimulation of Cells by Plate Bound Antigen

FIG. 23B

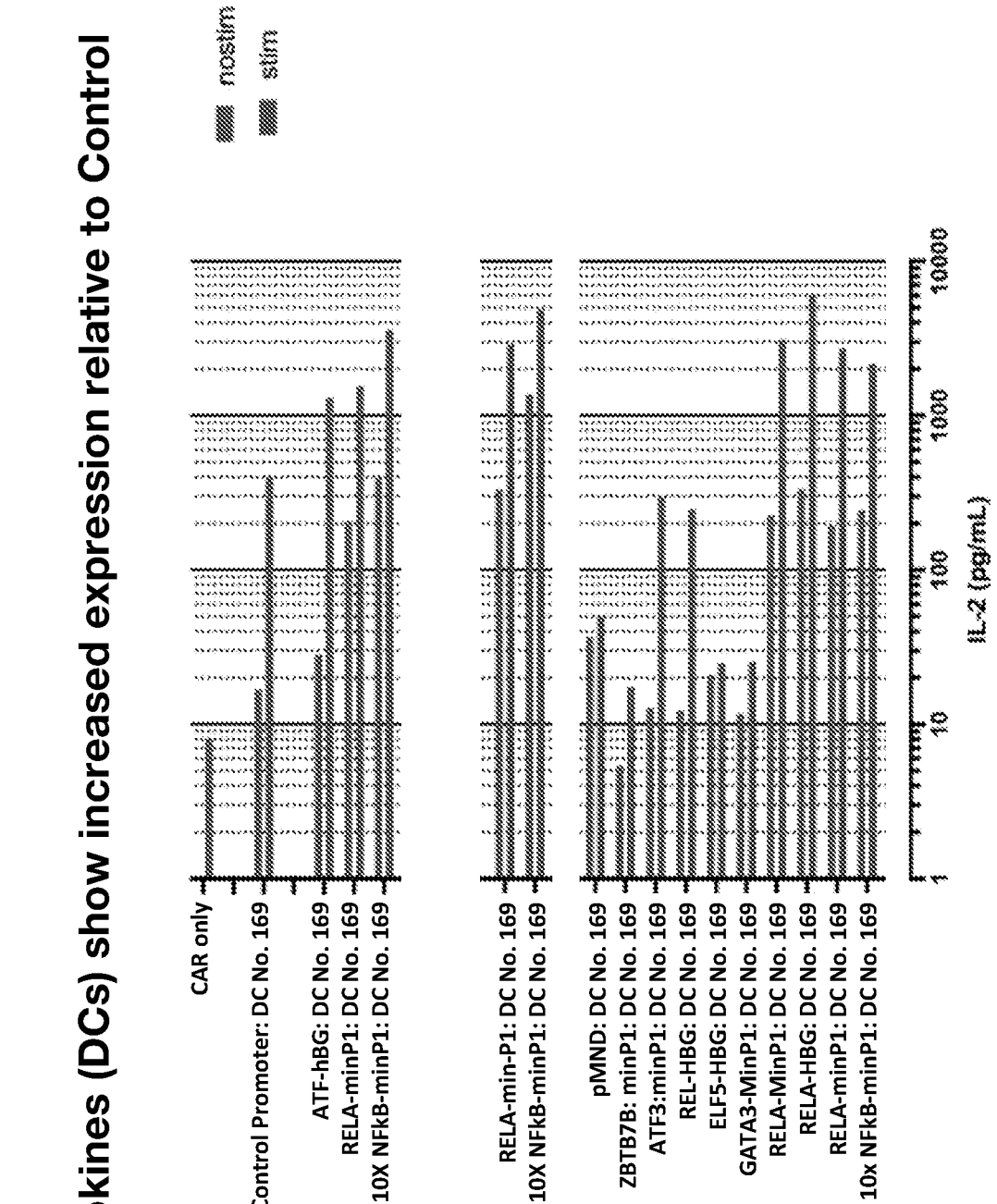
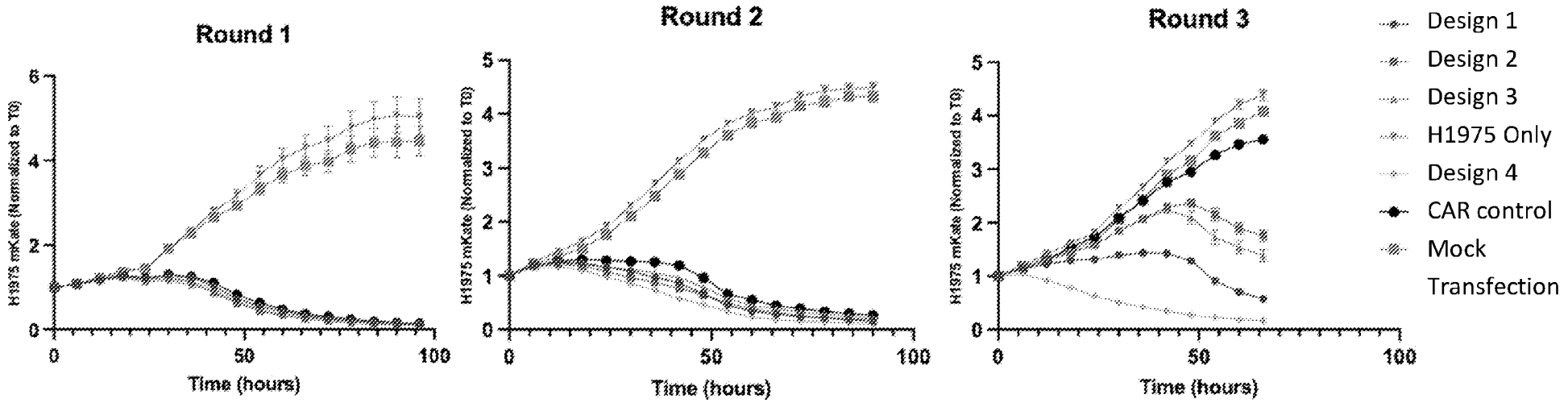

Inducible Designed Cytokines (DCs) show increased expression relative to Control
nostim
stim
2V-A
AUT
1V-A
CAR only
Control Promoter: DC No. 169
ATF-hBG: DC No. 169
RELA-minP1: DC No. 169
10X NFkB-minP1: DC No. 169
RELA-min-P1: DC No. 169
10X NFkB-minP1: DC No. 169
pMND: DC No. 169
ZBTB7B: minP1: DC No. 169
ATF3:minP1: DC No. 169
REL-HBG: DC No. 169
ELF5-HBG: DC No. 169
GATA3-MinP1: DC No. 169
RELA-MinP1: DC No. 169
RELA-HBG: DC No. 169
RELA-minP1: DC No. 169
10x NFkB-minP1: DC No. 169
1
10
100
1000
10000
IL-2 (pg/mL)

FIG. 23C

Sequential Killing with Inducible Designed Cytokines



- **These constructs continued to kill at the end of round 3**
  - Design 1: V1-a, RELA-HBG: DC No. 169
  - Design 2: V1-a, RELA-minP1: DC No. 169
  - Design 3: V1-a, GATA3-MinP1: DC No. 169
  - Design 4: Autoregulated, RELA-minP1 : DC No. 169
  - CAR only control

FIG. 24