SEQUENCE LISTING

<110> FLAGSHIP PIONEERING, INC.

<120> COMPOSITIONS OF MODIFIED TREMS AND USES THEREOF

<130> F2099-7008WO

<140> PCT/US2021/065159
<141> 2021-12-23

<150> 63/130,373
<151> 2020-12-23

<150> 63/130,374
<151> 2020-12-23

<150> 63/130,375
<151> 2020-12-23

<150> 63/130,377
<151> 2020-12-23

<150> 63/130,381
<151> 2020-12-23

<150> 63/130,387
<151> 2020-12-23

<160> 1291

<170> PatentIn version 3.5

<210> 1
<211> 72
<212> DNA
<213> Homo sapiens

<400> 1
ggggggtatag ctcagtggta gagcgcgtgc ttagcatgca cgaggtcctg ggttcgatcc 60

ccagtacctc ca 72

<210> 2
<211> 73
<212> DNA
<213> Homo sapiens

<400> 2
ggggaattag ctcaagtggt agagcgcttg cttagcacgc aagaggtagt gggatcgatg 60

cccacattct cca 73

<210> 3
<211> 73
<212> DNA
<213> Homo sapiens

<400> 3
ggggaattag ctcaaatggt agagcgctcg cttagcatgc gagaggtagc gggatcgatg 60

cccgcattct cca 73

<210> 4
<211> 73
<212> DNA
<213> Homo sapiens

<400> 4
ggggaattag ctcaagtggt agagcgcttg cttagcatgc aagaggtagt gggatcgatg 60

cccacattct cca 73

<210> 5
<211> 73
<212> DNA
<213> Homo sapiens

<400> 5
ggggaattag ctcaagcggt agagcgcttg cttagcatgc aagaggtagt gggatcgatg 60

cccacattct cca 73

<210> 6
<211> 73
<212> DNA
<213> Homo sapiens

<400> 6
ggggaattag ctcaagtggt agagcgcttg cttagcatgc aagaggtagt gggatcaatg 60

cccacattct cca 73

<210> 7
<211> 73
<212> DNA
<213> Homo sapiens

<400> 7
ggggaattag ctcaagtggt agagcgctcg cttagcatgc gagaggtagt gggatcgatg 60

cccgcattct cca 73

<210> 8
<211> 73
<212> DNA
<213> Homo sapiens

<400> 8
ggggaattag cccaagtggt agagcgcttg cttagcatgc aagaggtagt gggatcgatg 60

cccacattct cca 73

<210> 9
<211> 72
<212> DNA
<213> Homo sapiens

<400> 9
gggggtgtag ctcagtggta gagcgcgtgc ttagcatgca cgaggccccg ggttcaatcc 60

ccggcacctc ca 72

<210> 10
<211> 72
<212> DNA
<213> Homo sapiens

<400> 10
gggggtgtag ctcagtggta gagcgcgtgc ttagcatgta cgaggtcccg ggttcaatcc 60

ccggcacctc ca 72

<210> 11
<211> 72
<212> DNA
<213> Homo sapiens

<400> 11
ggggatgtag ctcagtggta gagcgcatgc ttagcatgca tgaggtcccg ggttcgatcc 60

ccagcatctc ca 72

<210> 12
<211> 72
<212> DNA
<213> Homo sapiens

<400> 12
gggggtgtag ctcagtggta gagcgcgtgc ttagcatgca cgaggccctg ggttcaatcc 60

ccagcacctc ca 72

<210> 13
<211> 72
<212> DNA
<213> Homo sapiens

<400> 13
gggggtatag ctcagcggta gagcgcgtgc ttagcatgca cgaggtcctg ggttcaatcc 60

ccaatacctc ca 72

<210> 14
<211> 72
<212> DNA
<213> Homo sapiens

<400> 14
gggggtgtag ctcagtggta gagcgcgtgc ttagcatgca cgaggccccg ggttcaatcc 60

ctggcacctc ca 72

<210> 15
<211> 73
<212> DNA
<213> Homo sapiens

<400> 15
gggggattag ctcaaatggt agagcgctcg cttagcatgc gagaggtagc gggatcgatg 60

cccgcatcct cca 73

<210> 16
<211> 73
<212> DNA
<213> Homo sapiens

<400> 16
ggggaattag ctcaggcggt agagcgctcg cttagcatgc gagaggtagc gggatcgacg 60

cccgcattct cca 73

<210> 17
<211> 72
<212> DNA

<213> Homo sapiens

<400> 17
ggggatgtag ctcagtggta gagcgcatgc ttcgcatgta tgaggtcccg ggttcgatcc 60

ccggcatctc ca 72

<210> 18
<211> 72
<212> DNA
<213> Homo sapiens

<400> 18
ggggatgtag ctcagtggta gagcgcatgc ttcgcatgta tgaggccccg ggttcgatcc 60

ccggcatctc ca 72

<210> 19
<211> 72
<212> DNA
<213> Homo sapiens

<400> 19
ggggatgtag ctcagtggta gagcgcgcgc ttcgcatgtg tgaggtcccg ggttcaatcc 60

ccggcatctc ca 72

<210> 20
<211> 72
<212> DNA
<213> Homo sapiens

<400> 20
gggggtgtag ctcagtggta gagcgcgtgc ttcgcatgta cgaggccccg ggttcgaccc 60

ccggctcctc ca 72

<210> 21
<211> 72
<212> DNA
<213> Homo sapiens

<400> 21
gggggtgtag ctcagtggta gagcgcatgc tttgcatgta tgaggtcccg ggttcgatcc 60

ccggcacctc ca 72

<210> 22

<211> 72
<212> DNA
<213> Homo sapiens

<400> 22
ggggatgtag ctcagtggta gagcgcatgc tttgcatgta tgaggtcccg ggttcgatcc 60

ccggcatctc ca 72

<210> 23
<211> 72
<212> DNA
<213> Homo sapiens

<400> 23
ggggatgtag ctcagtggta gagcgcatgc tttgcatgta tgaggccccg ggttcgatcc 60

ccggcatctc ca 72

<210> 24
<211> 72
<212> DNA
<213> Homo sapiens

<400> 24
ggggatgtag ctcagtggta gagcgcatgc tttgcacgta tgaggccccg ggttcaatcc 60

ccggcatctc ca 72

<210> 25
<211> 72
<212> DNA
<213> Homo sapiens

<400> 25
gggggtgtag ctcagtggta gagcgcatgc tttgcatgta tgaggcctcg ggttcgatcc 60

ccgacacctc ca 72

<210> 26
<211> 72
<212> DNA
<213> Homo sapiens

<400> 26
gggggtgtag ctcagtggta gagcacatgc tttgcatgtg tgaggccccg ggttcgatcc 60

ccggcacctc ca 72

<210> 27
<211> 71
<212> DNA
<213> Homo sapiens

<400> 27
gggggtgtag ctcagtggta gagcgcatgc tttgcatgta tgaggcctcg gttcgatccc 60

cgacacctcc a 71

<210> 28
<211> 73
<212> DNA
<213> Homo sapiens

<400> 28
gggccagtgg cgcaatggat aacgcgtctg actacggatc agaagattcc aggttcgact 60

cctggctggc tcg 73

<210> 29
<211> 73
<212> DNA
<213> Homo sapiens

<400> 29
gggccagtgg cgcaatggat aacgcgtctg actacggatc agaagattct aggttcgact 60

cctggctggc tcg 73

<210> 30
<211> 73
<212> DNA
<213> Homo sapiens

<400> 30
ggccgcgtgg cctaatggat aaggcgtctg attccggatc agaagattga gggttcgagt 60

cccttcgtgg tcg 73

<210> 31
<211> 73
<212> DNA
<213> Homo sapiens

<400> 31
gacccagtgg cctaatggat aaggcatcag cctccggagc tggggattgt gggttcgagt 60

cccatctggg tcg 73

<210> 32
<211> 73
<212> DNA
<213> Homo sapiens

<400> 32
gccccagtgg cctaatggat aaggcactgg cctcctaagc cagggattgt gggttcgagt 60

cccacctggg gta 73

<210> 33
<211> 73
<212> DNA
<213> Homo sapiens

<400> 33
gccccagtgg cctaatggat aaggcactgg cctcctaagc cagggattgt gggttcgagt 60

cccacctggg gtg 73

<210> 34
<211> 73
<212> DNA
<213> Homo sapiens

<400> 34
gccccggtgg cctaatggat aaggcattgg cctcctaagc cagggattgt gggttcgagt 60

cccacccggg gta 73

<210> 35
<211> 73
<212> DNA
<213> Homo sapiens

<400> 35
gccccagtgg cctaatggat aaggcattgg cctcctaagc cagggattgt gggttcgagt 60

cccatctggg gtg 73

<210> 36
<211> 73
<212> DNA
<213> Homo sapiens

<400> 36

gccccagtgg cctgatggat aaggtactgg cctcctaagc cagggattgt gggttcgagt 60

tccacctggg gta 73

<210> 37
<211> 73
<212> DNA
<213> Homo sapiens

<400> 37
ggccgcgtgg cctaatggat aaggcgtctg acttcggatc agaagattgc aggttcgagt 60

cctgccgcgg tcg 73

<210> 38
<211> 73
<212> DNA
<213> Homo sapiens

<400> 38
gaccacgtgg cctaatggat aaggcgtctg acttcggatc agaagattga gggttcgaat 60

ccctccgtgg tta 73

<210> 39
<211> 73
<212> DNA
<213> Homo sapiens

<400> 39
gaccgcgtgg cctaatggat aaggcgtctg acttcggatc agaagattga gggttcgagt 60

cccttcgtgg tcg 73

<210> 40
<211> 73
<212> DNA
<213> Homo sapiens

<400> 40
gaccacgtgg cctaatggat aaggcgtctg acttcggatc agaagattga gggttcgaat 60

cccttcgtgg tta 73

<210> 41
<211> 73
<212> DNA
<213> Homo sapiens

<400> 41
gaccacgtgg cctaatggat aaggcgtctg acttcggatc agaagattga gggttcgaat 60

cccttcgtgg ttg 73

<210> 42
<211> 73
<212> DNA
<213> Homo sapiens

<400> 42
ggccgtgtgg cctaatggat aaggcgtctg acttcggatc aaaagattgc aggtttgagt 60

tctgccacgg tcg 73

<210> 43
<211> 85
<212> DNA
<213> Homo sapiens

<400> 43
ggctccgtgg cgcaatggat agcgcattgg acttctagag gctgaaggca ttcaaaggtt 60

ccgggttcga gtcccggcgg agtcg 85

<210> 44
<211> 88
<212> DNA
<213> Homo sapiens

<400> 44
ggctctgtgg cgcaatggat agcgcattgg acttctagtg acgaatagag caattcaaag 60

gttgtgggtt cgaatcccac cagagtcg 88

<210> 45
<211> 91
<212> DNA
<213> Homo sapiens

<400> 45
ggctctgtgg cgcaatggat agcgcattgg acttctagct gagcctagtg tggtcattca 60

aaggttgtgg gttcgagtcc caccagagtc g 91

<210> 46
<211> 86

<212> DNA
<213> Homo sapiens

<400> 46
ggctctgtgg cgcaatggat agcgcattgg acttctagat agttagagaa attcaaaggt 60

tgtgggttcg agtcccacca gagtcg 86

<210> 47
<211> 74
<212> DNA
<213> Homo sapiens

<400> 47
gtctctgtgg cgcaatggac gagcgcgctg gacttctaat ccagaggttc cgggttcgag 60

tcccggcaga gatg 74

<210> 48
<211> 87
<212> DNA
<213> Homo sapiens

<400> 48
ggctctgtgg cgcaatggat agcgcattgg acttctagcc taaatcaaga gattcaaagg 60

ttgcgggttc gagtccctcc agagtcg 87

<210> 49
<211> 74
<212> DNA
<213> Homo sapiens

<400> 49
gtctctgtgg cgcaatcggt tagcgcgttc ggctgttaac cgaaaggttg gtggttcgat 60

cccacccagg gacg 74

<210> 50
<211> 74
<212> DNA
<213> Homo sapiens

<400> 50
gtctctgtgg cgcaatcggc tagcgcgttt ggctgttaac taaaaggttg gcggttcgaa 60

cccacccaga ggcg 74

<210> 51
<211> 74
<212> DNA
<213> Homo sapiens

<400> 51
gtctctgtgg tgcaatcggt tagcgcgttc cgctgttaac cgaaagcttg gtggttcgag 60

cccacccagg gatg 74

<210> 52
<211> 74
<212> DNA
<213> Homo sapiens

<400> 52
gtctctgtgg cgcaatcggc tagcgcgttt ggctgttaac taaaaagttg gtggttcgaa 60

cacacccaga ggcg 74

<210> 53
<211> 74
<212> DNA
<213> Homo sapiens

<400> 53
gtctctgtgg cgcaatcggt tagcgcgttc ggctgttaac cgaaaggttg gtggttcgag 60

cccacccagg gacg 74

<210> 54
<211> 74
<212> DNA
<213> Homo sapiens

<400> 54
gtctctgtgg cgcaatcggt tagcgcattc ggctgttaac cgaaaggttg gtggttcgag 60

cccacccagg gacg 74

<210> 55
<211> 74
<212> DNA
<213> Homo sapiens

<400> 55
gtctctgtgg cgcaatcggt tagcgcgttc ggctgttaac cgaaagattg gtggttcgag 60

cccacccagg gacg 74

<210> 56
<211> 74
<212> DNA
<213> Homo sapiens

<400> 56
gtctctgtgg cgcaatcggt tagcgcgttc ggctgttaac tgaaaggttg gtggttcgag 60

cccacccagg gacg 74

<210> 57
<211> 74
<212> DNA
<213> Homo sapiens

<400> 57
gtctctgtgg cgcaatgggt tagcgcgttc ggctgttaac cgaaaggttg gtggttcgag 60

cccatccagg gacg 74

<210> 58
<211> 74
<212> DNA
<213> Homo sapiens

<400> 58
gtctctgtgg cgtagtcggt tagcgcgttc ggctgttaac cgaaaagttg gtggttcgag 60

cccacccagg aacg 74

<210> 59
<211> 74
<212> DNA
<213> Homo sapiens

<400> 59
gtctctgtgg cgcaatcggc tagcgcgttt ggctgttaac taaaaggttg gtggttcgaa 60

cccacccaga ggcg 74

<210> 60
<211> 74
<212> DNA
<213> Homo sapiens

<400> 60
gtctctgtgg cgcaatcggt tagcgcgttc ggctgttaac tgaaaggtta gtggttcgag 60

cccacccggg gacg 74

<210> 61
<211> 72
<212> DNA
<213> Homo sapiens

<400> 61
tcctcgttag tatagtggtt agtatccccg cctgtcacgc gggagaccgg ggttcaattc 60

cccgacgggg ag 72

<210> 62
<211> 72
<212> DNA
<213> Homo sapiens

<400> 62
tcctcgttag tatagtggtg agtatccccg cctgtcacgc gggagaccgg ggttcgattc 60

cccgacgggg ag 72

<210> 63
<211> 72
<212> DNA
<213> Homo sapiens

<400> 63
tcctcgttag tatagtggtg agtgtccccg tctgtcacgc gggagaccgg ggttcgattc 60

cccgacgggg ag 72

<210> 64
<211> 72
<212> DNA
<213> Homo sapiens

<400> 64
gggggcatag ctcagtggta gagcatttga ctgcagatca agaggtccct ggttcaaatc 60

caggtgcccc ct 72

<210> 65
<211> 72
<212> DNA
<213> Homo sapiens

<400> 65
gggggtatag ctcaggggta gagcatttga ctgcagatca agaggtccct ggttcaaatc 60

caggtgcccc cc 72

<210> 66
<211> 72
<212> DNA
<213> Homo sapiens

<400> 66
gggggtatag cttagcggta gagcatttga ctgcagatca agaggtcccc ggttcaaatc 60

cgggtgcccc ct 72

<210> 67
<211> 72
<212> DNA
<213> Homo sapiens

<400> 67
gggggtatag cttaggggta gagcatttga ctgcagatca aaaggtccct ggttcaaatc 60

caggtgcccc tt 72

<210> 68
<211> 72
<212> DNA
<213> Homo sapiens

<400> 68
gggggtatag ctcaggggta gagcatttga ctgcagatca agaggtcccc agttcaaatc 60

tgggtgcccc ct 72

<210> 69
<211> 72
<212> DNA
<213> Homo sapiens

<400> 69
gggggtatag ctcaggggta gagcatttga ctgcagatca agaagtcccc ggttcaaatc 60

cgggtgcccc ct 72

<210> 70
<211> 72
<212> DNA

<213> Homo sapiens

<400> 70
gggggtatag ctcaggggta gagcatttga ctgcagatca agaggtctct ggttcaaatc 60

caggtgcccc ct 72

<210> 71
<211> 72
<212> DNA
<213> Homo sapiens

<400> 71
gggggtatag ctcaggggta gagcacttga ctgcagatca agaagtcctt ggttcaaatc 60

caggtgcccc ct 72

<210> 72
<211> 72
<212> DNA
<213> Homo sapiens

<400> 72
ggggatatag ctcaggggta gagcatttga ctgcagatca agaggtcccc ggttcaaatc 60

cgggtgcccc cc 72

<210> 73
<211> 72
<212> DNA
<213> Homo sapiens

<400> 73
gggggtatag ttcaggggta gagcatttga ctgcagatca agaggtccct ggttcaaatc 60

caggtgcccc ct 72

<210> 74
<211> 72
<212> DNA
<213> Homo sapiens

<400> 74
gggggtatag ctcaggggta gagcatttga ctgcaaatca agaggtccct gattcaaatc 60

caggtgcccc ct 72

<210> 75

<211> 72
<212> DNA
<213> Homo sapiens

<400> 75
ggggggtatag ctcagtggta gagcatttga ctgcagatca agaggtcccc ggttcaaatc 60

cgggtgcccc ct 72

<210> 76
<211> 72
<212> DNA
<213> Homo sapiens

<400> 76
gggcgtatag ctcaggggta gagcatttga ctgcagatca agaggtcccc agttcaaatc 60

tgggtgcccc ct 72

<210> 77
<211> 72
<212> DNA
<213> Homo sapiens

<400> 77
ggggggtatag ctcacaggta gagcatttga ctgcagatca agaggtcccc ggttcaaatc 60

tgggtgcccc ct 72

<210> 78
<211> 70
<212> DNA
<213> Homo sapiens

<400> 78
gggcgtatag ctcaggggta gagcatttga ctgcagatca agaggtcccc agttcaaatc 60

tgggtgccca 70

<210> 79
<211> 72
<212> DNA
<213> Homo sapiens

<400> 79
ggggggtatag ctcacaggta gagcatttga ctgcagatca agaggtcccc ggttcaaatc 60

cggttactcc ct 72

<210> 80
<211> 72
<212> DNA
<213> Homo sapiens

<400> 80
gggggtatag ctcaggggta gagcacttga ctgcagatca agaggtccct ggttcaaatc 60

caggtgcccc ct 72

<210> 81
<211> 72
<212> DNA
<213> Homo sapiens

<400> 81
gggggtatag ctcagtggta gagcatttga ctgcagatca agaggtccct ggttcaaatc 60

cgggtgcccc ct 72

<210> 82
<211> 73
<212> DNA
<213> Homo sapiens

<400> 82
gggggtatag ctcagtgggt agagcatttg actgcagatc aagaggtccc cggttcaaat 60

ccgggtgccc cct 73

<210> 83
<211> 72
<212> DNA
<213> Homo sapiens

<400> 83
gggggtgtag ctcagtggta gagcatttga ctgcagatca agaggtccct ggttcaaatc 60

caggtgcccc ct 72

<210> 84
<211> 73
<212> DNA
<213> Homo sapiens

<400> 84
gggggtatag ctcaggtggt agagcatttg actgcagatc aagaggtccc cggttcaaat 60

ccgggtgccc cct 73

<210> 85
<211> 72
<212> DNA
<213> Homo sapiens

<400> 85
gggggtatag ctcaggggta gagcatttga ctgcagatca agaggtcccc ggttcaaatc 60

cgggtgcccc ct 72

<210> 86
<211> 72
<212> DNA
<213> Homo sapiens

<400> 86
gggggtatag ctcaggggta gagcatttga ctgcagatca agaggtccct ggttcaaatc 60

caggtgcccc ct 72

<210> 87
<211> 72
<212> DNA
<213> Homo sapiens

<400> 87
ggttccatgg tgtaatggtt agcactctgg actctgaatc cagcgatccg agttcaaatc 60

tcggtggaac ct 72

<210> 88
<211> 72
<212> DNA
<213> Homo sapiens

<400> 88
ggttccatgg tgtaatggtt agcactctgg actctgaatc cagcgatccg agttcaagtc 60

tcggtggaac ct 72

<210> 89
<211> 72
<212> DNA
<213> Homo sapiens

<400> 89

ggttccatgg tgtaatggtg agcactctgg actctgaatc cagcgatccg agttcgagtc 60

tcggtggaac ct 72

<210> 90
<211> 72
<212> DNA
<213> Homo sapiens

<400> 90
ggttccatgg tgtaatggta agcactctgg actctgaatc cagcgatccg agttcgagtc 60

tcggtggaac ct 72

<210> 91
<211> 72
<212> DNA
<213> Homo sapiens

<400> 91
ggttccatgg tgtaatggtt agcactctgg actctgaatc cggtaatccg agttcaaatc 60

tcggtggaac ct 72

<210> 92
<211> 72
<212> DNA
<213> Homo sapiens

<400> 92
ggccccatgg tgtaatggtc agcactctgg actctgaatc cagcgatccg agttcaaatc 60

tcggtgggac cc 72

<210> 93
<211> 72
<212> DNA
<213> Homo sapiens

<400> 93
ggttccatgg tgtaatggta agcactctgg actctgaatc cagccatctg agttcgagtc 60

tctgtggaac ct 72

<210> 94
<211> 72
<212> DNA
<213> Homo sapiens

<400> 94
ggtcccatgg tgtaatggtt agcactctgg actttgaatc cagcgatccg agttcaaatc 60

tcggtgggac ct 72

<210> 95
<211> 72
<212> DNA
<213> Homo sapiens

<400> 95
ggtcccatgg tgtaatggtt agcactctgg actttgaatc cagcaatccg agttcgaatc 60

tcggtgggac ct 72

<210> 96
<211> 72
<212> DNA
<213> Homo sapiens

<400> 96
ggccccatgg tgtaatggtt agcactctgg actttgaatc cagcgatccg agttcaaatc 60

tcggtgggac ct 72

<210> 97
<211> 72
<212> DNA
<213> Homo sapiens

<400> 97
ggtcccatgg tgtaatggtt agcactctgg gctttgaatc cagcaatccg agttcgaatc 60

ttggtgggac ct 72

<210> 98
<211> 72
<212> DNA
<213> Homo sapiens

<400> 98
tccctggtgg tctagtggtt aggattcggc gctctcaccg ccgcggcccg ggttcgattc 60

ccggtcaggg aa 72

<210> 99
<211> 72

<212> DNA
<213> Homo sapiens

<400> 99
tccctggtgg tctagtggtt aggattcggc gctctcaccg ccgcggcccg ggttcgattc 60

ccggtcagga aa 72

<210> 100
<211> 72
<212> DNA
<213> Homo sapiens

<400> 100
tcccatatgg tctagcggtt aggattcctg gttttcaccc aggtggcccg ggttcgactc 60

ccggtatggg aa 72

<210> 101
<211> 72
<212> DNA
<213> Homo sapiens

<400> 101
tcccacatgg tctagcggtt aggattcctg gttttcaccc aggcggcccg ggttcgactc 60

ccggtgtggg aa 72

<210> 102
<211> 72
<212> DNA
<213> Homo sapiens

<400> 102
tccctggtgg tctagtggct aggattcggc gctttcaccg ccgcggcccg ggttcgattc 60

ccggccaggg aa 72

<210> 103
<211> 72
<212> DNA
<213> Homo sapiens

<400> 103
tccctggtgg tctagtggct aggattcggc gctttcaccg ccgcggcccg ggttcgattc 60

ccggtcaggg aa 72

<210> 104
<211> 71
<212> DNA
<213> Homo sapiens

<400> 104
gcattggtgg ttcagtggta gaattctcgc ctcccacgcg ggagacccgg gttcaattcc 60

cggccaatgc a 71

<210> 105
<211> 71
<212> DNA
<213> Homo sapiens

<400> 105
gcgccgctgg tgtagtggta tcatgcaaga ttcccattct tgcgacccgg gttcgattcc 60

cgggcggcgc a 71

<210> 106
<211> 71
<212> DNA
<213> Homo sapiens

<400> 106
gcattggtgg ttcaatggta gaattctcgc ctcccacgca ggagacccag gttcgattcc 60

tggccaatgc a 71

<210> 107
<211> 71
<212> DNA
<213> Homo sapiens

<400> 107
gcatgggtgg ttcagtggta gaattctcgc ctgccacgcg ggaggcccgg gttcgattcc 60

cggcccatgc a 71

<210> 108
<211> 71
<212> DNA
<213> Homo sapiens

<400> 108
gcattggtgg ttcagtggta gaattctcgc ctgccacgcg ggaggcccgg gttcgattcc 60

cggccaatgc a 71

<210> 109
<211> 71
<212> DNA
<213> Homo sapiens

<400> 109
gcattggtgg ttcagtggta gaattctcgc ctgccacgcg ggaggcccgg gtttgattcc 60

cggccagtgc a 71

<210> 110
<211> 71
<212> DNA
<213> Homo sapiens

<400> 110
gcataggtgg ttcagtggta gaattcttgc ctgccacgca ggaggcccag gtttgattcc 60

tggcccatgc a 71

<210> 111
<211> 71
<212> DNA
<213> Homo sapiens

<400> 111
gcattggtgg ttcagtggta gaattctcgc ctgccatgcg ggcggccggg cttcgattcc 60

tggccaatgc a 71

<210> 112
<211> 72
<212> DNA
<213> Homo sapiens

<400> 112
gcgttggtgg tatagtggtt agcatagctg ccttccaagc agttgacccg ggttcgattc 60

ccggccaacg ca 72

<210> 113
<211> 72
<212> DNA
<213> Homo sapiens

<400> 113
gcgttggtgg tatagtggtg agcatagctg ccttccaagc agttgacccg ggttcgattc 60

ccggccaacg ca 72

<210> 114
<211> 72
<212> DNA
<213> Homo sapiens

<400> 114
gcgttggtgg tatagtggta agcatagctg ccttccaagc agttgacccg ggttcgattc 60

ccggccaacg ca 72

<210> 115
<211> 72
<212> DNA
<213> Homo sapiens

<400> 115
gcgttggtgg tatagtggtg agcatagttg ccttccaagc agttgacccg ggctcgattc 60

ccgcccaacg ca 72

<210> 116
<211> 72
<212> DNA
<213> Homo sapiens

<400> 116
gccgtgatcg tatagtggtt agtactctgc gttgtggccg cagcaacctc ggttcgaatc 60

cgagtcacgg ca 72

<210> 117
<211> 72
<212> DNA
<213> Homo sapiens

<400> 117
gccatgatcg tatagtggtt agtactctgc gctgtggccg cagcaacctc ggttcgaatc 60

cgagtcacgg ca 72

<210> 118
<211> 74
<212> DNA
<213> Homo sapiens

<400> 118
ggccggttag ctcagttggt tagagcgtgg cgctaataac gccaaggtcg cgggttcgat 60

ccccgtacgg gcca 74

<210> 119
<211> 74
<212> DNA
<213> Homo sapiens

<400> 119
ggccggttag ctcagttggt tagagcgtgg tgctaataac gccaaggtcg cgggttcgat 60

ccccgtactg gcca 74

<210> 120
<211> 74
<212> DNA
<213> Homo sapiens

<400> 120
ggctggttag ctcagttggt tagagcgtgg tgctaataac gccaaggtcg cgggttcgat 60

ccccgtactg gcca 74

<210> 121
<211> 74
<212> DNA
<213> Homo sapiens

<400> 121
ggccggttag ctcagttggt tagagcgtgg tgctaataac gccaaggtcg cgggttcgaa 60

ccccgtacgg gcca 74

<210> 122
<211> 74
<212> DNA
<213> Homo sapiens

<400> 122
ggccggttag ctcagttggt tagagcgtgg tgctaataac gccaaggtcg cgggttcgat 60

ccccgtacgg gcca 74

<210> 123
<211> 74
<212> DNA

<213> Homo sapiens

<400> 123
ggccggttag ctcagttggt tagagcgtgg tgctaataac gctaaggtcg cgggttcgat 60

ccccgtactg gcca 74

<210> 124
<211> 74
<212> DNA
<213> Homo sapiens

<400> 124
ggccggttag ctcagttggt cagagcgtgg tgctaataac gccaaggtcg cgggttcgat 60

ccccgtacgg gcca 74

<210> 125
<211> 74
<212> DNA
<213> Homo sapiens

<400> 125
ggccggttag ctcagtcggc tagagcgtgg tgctaataac gccaaggtcg cgggttcgat 60

ccccgtacgg gcca 74

<210> 126
<211> 74
<212> DNA
<213> Homo sapiens

<400> 126
ggctggttag ttcagttggt tagagcgtgg tgctaataac gccaaggtcg tgggttcgat 60

ccccatatcg gcca 74

<210> 127
<211> 74
<212> DNA
<213> Homo sapiens

<400> 127
ggccggttag ctcagttggt aagagcgtgg tgctgataac accaaggtcg cgggctcgac 60

tcccgcaccg gcca 74

<210> 128

<211> 93
<212> DNA
<213> Homo sapiens

<400> 128
gctccagtgg cgcaatcggt tagcgcgcgg tacttatatg acagtgcgag cggagcaatg 60

ccgaggttgt gagttcgatc ctcacctgga gca 93

<210> 129
<211> 93
<212> DNA
<213> Homo sapiens

<400> 129
gctccagtgg cgcaatcggt tagcgcgcgg tacttataca gcagtacatg cagagcaatg 60

ccgaggttgt gagttcgagc ctcacctgga gca 93

<210> 130
<211> 94
<212> DNA
<213> Homo sapiens

<400> 130
gctccagtgg cgcaatcggt tagcgcgcgg tacttatatg gcagtatgtg tgcgagtgat 60

gccgaggttg tgagttcgag cctcacctgg agca 94

<210> 131
<211> 94
<212> DNA
<213> Homo sapiens

<400> 131
gctccagtgg cgcaatcggt tagcgcgcgg tacttataca acagtatatg tgcgggtgat 60

gccgaggttg tgagttcgag cctcacctgg agca 94

<210> 132
<211> 94
<212> DNA
<213> Homo sapiens

<400> 132
gctccagtgg cgcaatcggt tagcgcgcgg tacttataag acagtgcacc tgtgagcaat 60

gccgaggttg tgagttcaag cctcacctgg agca 94

<210> 133
<211> 82
<212> DNA
<213> Homo sapiens

<400> 133
ggtagcgtgg ccgagcggtc taaggcgctg gattaaggct ccagtctctt cggaggcgtg 60

ggttcgaatc ccaccgctgc ca 82

<210> 134
<211> 82
<212> DNA
<213> Homo sapiens

<400> 134
ggtagcgtgg ccgagcggtc taaggcgctg gattaaggct ccagtctctt cgggggcgtg 60

ggttcgaatc ccaccgctgc ca 82

<210> 135
<211> 82
<212> DNA
<213> Homo sapiens

<400> 135
ggtagcgtgg ccgagcggtc taaggcgctg gattaaggct ccagtctctt cgggggcgtg 60

ggttcaaatc ccaccgctgc ca 82

<210> 136
<211> 82
<212> DNA
<213> Homo sapiens

<400> 136
ggtagcgtgg ccgagtggtc taagacgctg gattaaggct ccagtctctt cgggggcgtg 60

ggtttgaatc ccaccgctgc ca 82

<210> 137
<211> 106
<212> DNA
<213> Homo sapiens

<400> 137
gtcaggatgg ccgagtggtc taaggcgcca gactcaagct aagcttcctc cgcggtgggg 60

attctggtct ccaatggagg cgtgggttcg aatcccactt ctgaca 106

<210> 138
<211> 105
<212> DNA
<213> Homo sapiens

<400> 138
gtcaggatgg ccgagtggtc taaggcgcca gactcaagct tggcttcctc gtgttgagga 60

ttctggtctc caatggaggc gtgggttcga atcccacttc tgaca 105

<210> 139
<211> 108
<212> DNA
<213> Homo sapiens

<400> 139
gtcaggatgg ccgagtggtc taaggcgcca gactcaagct tactgcttcc tgtgttcggg 60

tcttctggtc tccgtatgga ggcgtgggtt cgaatcccac ttctgaca 108

<210> 140
<211> 107
<212> DNA
<213> Homo sapiens

<400> 140
gtcaggatgg ccgagtggtc taaggcgcca gactcaagtt gctacttccc aggtttgggg 60

cttctggtct ccgcatggag gcgtgggttc gaatcccact tctgaca 107

<210> 141
<211> 106
<212> DNA
<213> Homo sapiens

<400> 141
gtcaggatgg ccgagtggtc taaggcgcca gactcaaggt aagcaccttg cctgcgggct 60

ttctggtctc cggatggagg cgtgggttcg aatcccactt ctgaca 106

<210> 142
<211> 74
<212> DNA
<213> Homo sapiens

<400> 142

gcctccttag tgcagtaggt agcgcatcag tctcaaaatc tgaatggtcc tgagttcaag 60

cctcagaggg ggca 74

<210> 143
<211> 84
<212> DNA
<213> Homo sapiens

<400> 143
gtcaggatgg ccgagcagtc ttaaggcgct gcgttcaaat cgcaccctcc gctggaggcg 60

tgggttcgaa tcccactttt gaca 84

<210> 144
<211> 83
<212> DNA
<213> Homo sapiens

<400> 144
gtcaggatgg ccgagcggtc taaggcgctg cgttcaggtc gcagtctccc ctggaggcgt 60

gggttcgaat cccactcctg aca 83

<210> 145
<211> 83
<212> DNA
<213> Homo sapiens

<400> 145
gtcaggatgg ccgagcggtc taaggcgctg cgttcaggtc gcagtctccc ctggaggcgt 60

gggttcgaat cccacttctg aca 83

<210> 146
<211> 83
<212> DNA
<213> Homo sapiens

<400> 146
accaggatgg ccgagtggtt aaggcgttgg acttaagatc caatggacat atgtccgcgt 60

gggttcgaac cccactcctg gta 83

<210> 147
<211> 83
<212> DNA
<213> Homo sapiens

<400> 147
accgggatgg ccgagtggtt aaggcgttgg acttaagatc caatgggctg gtgcccgcgt 60

gggttcgaac cccactctcg gta 83

<210> 148
<211> 83
<212> DNA
<213> Homo sapiens

<400> 148
accagaatgg ccgagtggtt aaggcgttgg acttaagatc caatggattc atatccgcgt 60

gggttcgaac cccacttctg gta 83

<210> 149
<211> 83
<212> DNA
<213> Homo sapiens

<400> 149
accgggatgg ctgagtggtt aaggcgttgg acttaagatc caatggacag gtgtccgcgt 60

gggttcgagc cccactcccg gta 83

<210> 150
<211> 82
<212> DNA
<213> Homo sapiens

<400> 150
ggtagcgtgg ccgagcggtc taaggcgctg gatttaggct ccagtctctt cggaggcgtg 60

ggttcgaatc ccaccgctgc ca 82

<210> 151
<211> 82
<212> DNA
<213> Homo sapiens

<400> 151
ggtagtgtgg ccgagcggtc taaggcgctg gatttaggct ccagtctctt cgggggcgtg 60

ggttcgaatc ccaccactgc ca 82

<210> 152
<211> 82

<212> DNA
<213> Homo sapiens

<400> 152
ggtagcgtgg ccgagtggtc taaggcgctg gatttaggct ccagtcattt cgatggcgtg 60

ggttcgaatc ccaccgctgc ca 82

<210> 153
<211> 73
<212> DNA
<213> Homo sapiens

<400> 153
gcccggctag ctcagtcggt agagcatggg actcttaatc ccagggtcgt gggttcgagc 60

cccacgttgg gcg 73

<210> 154
<211> 73
<212> DNA
<213> Homo sapiens

<400> 154
gcccagctag ctcagtcggt agagcataag actcttaatc tcagggttgt ggattcgtgc 60

cccatgctgg gtg 73

<210> 155
<211> 74
<212> DNA
<213> Homo sapiens

<400> 155
gcagctagct cagtcggtag agcatgagac tcttaatctc agggtcatgg gttcgtgccc 60

catgttgggt gcca 74

<210> 156
<211> 73
<212> DNA
<213> Homo sapiens

<400> 156
gcccggctag ctcagtcggt agagcatgag actcttaatc tcagggtcgt gggttcgagc 60

cccacgttgg gcg 73

<210> 157
<211> 73
<212> DNA
<213> Homo sapiens

<400> 157
gcccggctag ctcagtcggt agagcatgag acccttaatc tcagggtcgt gggttcgagc 60

cccacgttgg gcg 73

<210> 158
<211> 73
<212> DNA
<213> Homo sapiens

<400> 158
gcccggctag ctcagtcggt agagcatggg actcttaatc tcagggtcgt gggttcgagc 60

cccacgttgg gcg 73

<210> 159
<211> 73
<212> DNA
<213> Homo sapiens

<400> 159
gcccggctag ctcagtcgat agagcatgag actcttaatc tcagggtcgt gggttcgagc 60

cgcacgttgg gcg 73

<210> 160
<211> 73
<212> DNA
<213> Homo sapiens

<400> 160
gcccagctag ctcagtcggt agagcatgag actcttaatc tcagggtcat gggtttgagc 60

cccacgtttg gtg 73

<210> 161
<211> 73
<212> DNA
<213> Homo sapiens

<400> 161
gcctggctag ctcagtcggc aaagcatgag actcttaatc tcagggtcgt gggctcgagc 60

tccatgttgg gcg 73

<210> 162
<211> 73
<212> DNA
<213> Homo sapiens

<400> 162
gcccgactac ctcagtcggt ggagcatggg actcttcatc ccagggttgt gggttcgagc 60

cccacattgg gca 73

<210> 163
<211> 73
<212> DNA
<213> Homo sapiens

<400> 163
gcctggatag ctcagttggt agagcatcag acttttaatc tgagggtcca gggttcaagt 60

ccctgttcag gca 73

<210> 164
<211> 73
<212> DNA
<213> Homo sapiens

<400> 164
acccagatag ctcagtcagt agagcatcag acttttaatc tgagggtcca aggttcatgt 60

ccctttttgg gtg 73

<210> 165
<211> 73
<212> DNA
<213> Homo sapiens

<400> 165
gcctggatag ctcagttggt agagcatcag acttttaatc tgagggtcca gggttcaagt 60

ccctgttcag gcg 73

<210> 166
<211> 73
<212> DNA
<213> Homo sapiens

<400> 166
gcccggatag ctcagtcggt agagcatcag acttttaatc tgagggtcca gggttcaagt 60

ccctgttcgg gcg 73

<210> 167
<211> 73
<212> DNA
<213> Homo sapiens

<400> 167
gcctggatag ctcagtcggt agagcatcag acttttaatc tgagggtcca gggttcaagt 60

ccctgttcag gcg 73

<210> 168
<211> 73
<212> DNA
<213> Homo sapiens

<400> 168
gcccggatag ctcagtcggt agagcatcag acttttaatc tgagggtccg gggttcaagt 60

ccctgttcgg gcg 73

<210> 169
<211> 73
<212> DNA
<213> Homo sapiens

<400> 169
gcctgggtag ctcagtcggt agagcatcag acttttaatc tgagggtcca gggttcaagt 60

ccctgtccag gcg 73

<210> 170
<211> 73
<212> DNA
<213> Homo sapiens

<400> 170
gcctggatag ctcagttggt agaacatcag acttttaatc tgacggtgca gggttcaagt 60

ccctgttcag gcg 73

<210> 171
<211> 73
<212> DNA
<213> Homo sapiens

<400> 171
gcctcgttag cgcagtaggt agcgcgtcag tctcataatc tgaaggtcgt gagttcgatc 60

ctcacacggg gca 73

<210> 172
<211> 73
<212> DNA
<213> Homo sapiens

<400> 172
gccctcttag cgcagtgggc agcgcgtcag tctcataatc tgaaggtcct gagttcgagc 60

ctcagagagg gca 73

<210> 173
<211> 73
<212> DNA
<213> Homo sapiens

<400> 173
gcctccttag cgcagtaggc agcgcgtcag tctcataatc tgaaggtcct gagttcgaac 60

ctcagagggg gca 73

<210> 174
<211> 73
<212> DNA
<213> Homo sapiens

<400> 174
gccctcttag cgcagcgggc agcgcgtcag tctcataatc tgaaggtcct gagttcgagc 60

ctcagagagg gca 73

<210> 175
<211> 73
<212> DNA
<213> Homo sapiens

<400> 175
gccctcttag cgcagctggc agcgcgtcag tctcataatc tgaaggtcct gagttcaagc 60

ctcagagagg gca 73

<210> 176
<211> 73
<212> DNA

<213> Homo sapiens

<400> 176
gcctcgttag cgcagtaggc agcgcgtcag tctcataatc tgaaggtcgt gagttcgagc 60

ctcacacggg gca 73

<210> 177
<211> 73
<212> DNA
<213> Homo sapiens

<400> 177
gccctcttag tgcagctggc agcgcgtcag tttcataatc tgaaagtcct gagttcaagc 60

ctcagagagg gca 73

<210> 178
<211> 73
<212> DNA
<213> Homo sapiens

<400> 178
gccgaaatag ctcagttggg agagcgttag actgaagatc taaaggtccc tggttcgatc 60

ccgggtttcg gca 73

<210> 179
<211> 73
<212> DNA
<213> Homo sapiens

<400> 179
gccgaaatag ctcagttggg agagcgttag actgaagatc taaaggtccc tggttcaatc 60

ccgggtttcg gca 73

<210> 180
<211> 73
<212> DNA
<213> Homo sapiens

<400> 180
gccgagatag ctcagttggg agagcgttag actgaagatc taaaggtccc tggttcaatc 60

ccgggtttcg gca 73

<210> 181

<211> 74
<212> DNA
<213> Homo sapiens

<400> 181
gccgaaatag ctcagttggg agagcgttag accgaagatc ttaaaggtcc ctggttcaat 60

cccgggtttc ggca 74

<210> 182
<211> 74
<212> DNA
<213> Homo sapiens

<400> 182
gctgaaatag ctcagttggg agagcgttag actgaagatc ttaaagttcc ctggttcaac 60

cctgggtttc agcc 74

<210> 183
<211> 72
<212> DNA
<213> Homo sapiens

<400> 183
ggctcgttgg tctaggggta tgattctcgc ttaggatgcg agaggtcccg ggttcaaatc 60

ccggacgagc cc 72

<210> 184
<211> 72
<212> DNA
<213> Homo sapiens

<400> 184
ggctcgttgg tctaggggta tgattctcgc ttagggtgcg agaggtcccg ggttcaaatc 60

ccggacgagc cc 72

<210> 185
<211> 72
<212> DNA
<213> Homo sapiens

<400> 185
ggctcgttgg tctaggggta tgattctcgc ttcgggtgcg agaggtcccg ggttcaaatc 60

ccggacgagc cc 72

<210> 186
<211> 72
<212> DNA
<213> Homo sapiens

<400> 186
ggctcgttgg tctaggggta tgattctcgc ttcgggtgtg agaggtcccg ggttcaaatc 60

ccggacgagc cc 72

<210> 187
<211> 72
<212> DNA
<213> Homo sapiens

<400> 187
ggctcgttgg tctagtggta tgattctcgc tttgggtgcg agaggtcccg ggttcaaatc 60

ccggacgagc cc 72

<210> 188
<211> 72
<212> DNA
<213> Homo sapiens

<400> 188
ggctcgttgg tctaggggta tgattctcgg tttgggtccg agaggtcccg ggttcaaatc 60

ccggacgagc cc 72

<210> 189
<211> 72
<212> DNA
<213> Homo sapiens

<400> 189
ggctcgttgg tctaggggta tgattctcgc tttgggtgcg agaggtcccg ggttcaaatc 60

ccggacgagc cc 72

<210> 190
<211> 87
<212> DNA
<213> Homo sapiens

<400> 190
gcccggatga tcctcagtgg tctggggtgc aggcttcaaa cctgtagctg tctagcgaca 60

gagtggttca attccacctt tcgggcg 87

<210> 191
<211> 84
<212> DNA
<213> Homo sapiens

<400> 191
gctcggatga tcctcagtgg tctggggtgc aggcttcaaa cctgtagctg tctagtgaca 60

gagtggttca attccacctt tgta 84

<210> 192
<211> 82
<212> DNA
<213> Homo sapiens

<400> 192
gtagtcgtgg ccgagtggtt aaggcgatgg actagaaatc cattggggtt tccccgcgca 60

ggttcgaatc ctgccgacta cg 82

<210> 193
<211> 82
<212> DNA
<213> Homo sapiens

<400> 193
gtagtcgtgg ccgagtggtt aaggcgatgg actagaaatc cattggggtc tccccgcgca 60

ggttcgaatc ctgccgacta cg 82

<210> 194
<211> 82
<212> DNA
<213> Homo sapiens

<400> 194
gtagtcgtgg ccgagtggtt aaggcgatgg actagaaatc cattggggtt tccccacgca 60

ggttcgaatc ctgccgacta cg 82

<210> 195
<211> 82
<212> DNA
<213> Homo sapiens

<400> 195

gtagtcgtgg ccgagtggtt aaggtgatgg actagaaacc cattggggtc tccccgcgca 60

ggttcgaatc ctgccgacta cg 82

<210> 196
<211> 82
<212> DNA
<213> Homo sapiens

<400> 196
gctgtgatgg ccgagtggtt aaggcgttgg actcgaaatc caatggggtc tccccgcgca 60

ggttcgaatc ctgctcacag cg 82

<210> 197
<211> 82
<212> DNA
<213> Homo sapiens

<400> 197
gctgtgatgg ccgagtggtt aaggcgttgg actcgaaatc caatggggtc tccccgcgca 60

ggttcaaatc ctgctcacag cg 82

<210> 198
<211> 82
<212> DNA
<213> Homo sapiens

<400> 198
gctgtgatgg ccgagtggtt aaggtgttgg actcgaaatc caatgggggt tccccgcgca 60

ggttcaaatc ctgctcacag cg 82

<210> 199
<211> 82
<212> DNA
<213> Homo sapiens

<400> 199
gtcacggtgg ccgagtggtt aaggcgttgg actcgaaatc caatggggtt tccccgcaca 60

ggttcgaatc ctgttcgtga cg 82

<210> 200
<211> 82
<212> DNA
<213> Homo sapiens

<400> 200
gacgaggtgg ccgagtggtt aaggcgatgg actgctaatc cattgtgctc tgcacgcgtg 60

ggttcgaatc ccaccctcgt cg 82

<210> 201
<211> 82
<212> DNA
<213> Homo sapiens

<400> 201
gacgaggtgg ccgagtggtt aaggcgatgg actgctaatc cattgtgctc tgcacgcgtg 60

ggttcgaatc ccaccttcgt cg 82

<210> 202
<211> 82
<212> DNA
<213> Homo sapiens

<400> 202
gacgaggtgg ccgagtggtt aaggcgatgg actgctaatc cattgtgctt tgcacgcgtg 60

ggttcgaatc ccatcctcgt cg 82

<210> 203
<211> 82
<212> DNA
<213> Homo sapiens

<400> 203
gacgaggtgg ccgagtggtt aaggcgatgg actgctaatc cattgtgctc tgcacgcgtg 60

ggttcgaatc ccatcctcgt cg 82

<210> 204
<211> 82
<212> DNA
<213> Homo sapiens

<400> 204
gacgaggtgg ccgagtggtt aaggcgatgg actgctaatc cattgtgctc tgcacacgtg 60

ggttcgaatc ccatcctcgt cg 82

<210> 205
<211> 84

<212> DNA
<213> Homo sapiens

<400> 205
ggagaggcct ggccgagtgg ttaaggcgat ggactgctaa tccattgtgc tctgcacgcg 60

tgggttcgaa tcccatcctc gtcg 84

<210> 206
<211> 82
<212> DNA
<213> Homo sapiens

<400> 206
gcagcgatgg ccgagtggtt aaggcgttgg acttgaaatc caatggggtc tccccgcgca 60

ggttcgaacc ctgctcgctg cg 82

<210> 207
<211> 82
<212> DNA
<213> Homo sapiens

<400> 207
gtagtcgtgg ccgagtggtt aaggcgatgg acttgaaatc cattggggtt tccccgcgca 60

ggttcgaatc ctgccgacta cg 82

<210> 208
<211> 82
<212> DNA
<213> Homo sapiens

<400> 208
gtagtcgtgg ccgagtggtt aaggcgatgg acttgaaatc cattggggtc tccccgcgca 60

ggttcgaatc ctgccgacta cg 82

<210> 209
<211> 82
<212> DNA
<213> Homo sapiens

<400> 209
gtagtcgtgg ccgagtggtt aaggcgatgg acttgaaatc cattggggtt tccccgcgca 60

ggttcgaatc ctgtcggcta cg 82

<210> 210
<211> 74
<212> DNA
<213> Homo sapiens

<400> 210
ggcgccgtgg cttagttggt taaagcgcct gtctagtaaa caggagatcc tgggttcgaa 60

tcccagcggt gcct 74

<210> 211
<211> 74
<212> DNA
<213> Homo sapiens

<400> 211
ggctccgtgg cttagctggt taaagcgcct gtctagtaaa caggagatcc tgggttcgaa 60

tcccagcggg gcct 74

<210> 212
<211> 74
<212> DNA
<213> Homo sapiens

<400> 212
ggctccgtag cttagttggt taaagcgcct gtctagtaaa caggagatcc tgggttcgac 60

tcccagcggg gcct 74

<210> 213
<211> 74
<212> DNA
<213> Homo sapiens

<400> 213
ggcttcgtgg cttagctggt taaagcgcct gtctagtaaa caggagatcc tgggttcgaa 60

tcccagcgag gcct 74

<210> 214
<211> 74
<212> DNA
<213> Homo sapiens

<400> 214
ggcgccgtgg cttagctggt taaagcgcct gtctagtaaa caggagatcc tgggttcgaa 60

tcccagcggt gcct 74

<210> 215
<211> 74
<212> DNA
<213> Homo sapiens

<400> 215
ggccctgtgg cttagctggt caaagcgcct gtctagtaaa caggagatcc tgggttcgaa 60

tcccagcggg gcct 74

<210> 216
<211> 74
<212> DNA
<213> Homo sapiens

<400> 216
ggctctatgg cttagttggt taaagcgcct gtctcgtaaa caggagatcc tgggttcgac 60

tcccagtggg gcct 74

<210> 217
<211> 72
<212> DNA
<213> Homo sapiens

<400> 217
ggcgcggtgg ccaagtggta aggcgtcggt ctcgtaaacc gaagatcacg ggttcgaacc 60

ccgtccgtgc ct 72

<210> 218
<211> 74
<212> DNA
<213> Homo sapiens

<400> 218
ggctctgtgg cttagttggc taaagcgcct gtctcgtaaa caggagatcc tgggttcgaa 60

tcccagcggg gcct 74

<210> 219
<211> 72
<212> DNA
<213> Homo sapiens

<400> 219
ggcgcggtgg ccaagtggta aggcgtcggt ctcgtaaacc gaagatcgcg ggttcgaacc 60

ccgtccgtgc ct 72

<210> 220
<211> 74
<212> DNA
<213> Homo sapiens

<400> 220
ggccctgtag ctcagcggtt ggagcgctgg tctcgtaaac ctaggggtcg tgagttcaaa 60

tctcaccagg gcct 74

<210> 221
<211> 74
<212> DNA
<213> Homo sapiens

<400> 221
ggctctatgg cttagttggt taaagcgcct gtcttgtaaa caggagatcc tgggttcgaa 60

tcccagtaga gcct 74

<210> 222
<211> 73
<212> DNA
<213> Homo sapiens

<400> 222
ggctccatag ctcagtggtt agagcactgg tcttgtaaac caggggtcgc gagttcgatc 60

ctcgctgggg cct 73

<210> 223
<211> 73
<212> DNA
<213> Homo sapiens

<400> 223
ggctccatag ctcaggggtt agagcgctgg tcttgtaaac caggggtcgc gagttcaatt 60

ctcgctgggg cct 73

<210> 224
<211> 73
<212> DNA
<213> Homo sapiens

<400> 224
ggctccatag ctcaggggtt agagcactgg tcttgtaaac caggggtcgc gagttcaaat 60

ctcgctgggg cct 73

<210> 225
<211> 73
<212> DNA
<213> Homo sapiens

<400> 225
ggccctatag ctcaggggtt agagcactgg tcttgtaaac caggggtcgc gagttcaaat 60

ctcgctgggg cct 73

<210> 226
<211> 72
<212> DNA
<213> Homo sapiens

<400> 226
ggctccatag ctcaggggtt agagcactgg tcttgtaaac cagggtcgcg agttcaaatc 60

tcgctggggc ct 72

<210> 227
<211> 72
<212> DNA
<213> Homo sapiens

<400> 227
ggcctcgtgg cgcaacggta gcgcgtctga ctccagatca gaaggttgcg tgttcaaatc 60

acgtcggggt ca 72

<210> 228
<211> 72
<212> DNA
<213> Homo sapiens

<400> 228
gacctcgtgg cgcaatggta gcgcgtctga ctccagatca gaaggttgcg tgttcaagtc 60

acgtcggggt ca 72

<210> 229
<211> 72
<212> DNA

<213> Homo sapiens

<400> 229
gacctcgtgg cgcaacggta gcgcgtctga ctccagatca gaaggttgcg tgttcaaatc 60

acgtcggggt ca 72

<210> 230
<211> 72
<212> DNA
<213> Homo sapiens

<400> 230
gacctcgtgg cgcaacggta gcgcgtctga ctccagatca gaaggctgcg tgttcgaatc 60

acgtcggggt ca 72

<210> 231
<211> 72
<212> DNA
<213> Homo sapiens

<400> 231
gacctcgtgg cgcaacggca gcgcgtctga ctccagatca gaaggttgcg tgttcaaatc 60

acgtcggggt ca 72

<210> 232
<211> 93
<212> DNA
<213> Homo sapiens

<400> 232
ccttcaatag ttcagctggt agagcagagg actatagcta cttcctcagt aggagacgtc 60

cttaggttgc tggttcgatt ccagcttgaa gga 93

<210> 233
<211> 91
<212> DNA
<213> Homo sapiens

<400> 233
ccttcgatag ctcagttggt agagcggagg actgtagttg gctgtgtcct tagacatcct 60

taggtcgctg gttcgaatcc ggctcgaagg a 91

<210> 234

<211> 89
<212> DNA
<213> Homo sapiens

<400> 234
ccttcgatag ctcagttggt agagcggagg actgtagtgg atagggcgtg gcaatcctta 60

ggtcgctggt tcgattccgg ctcgaagga 89

<210> 235
<211> 89
<212> DNA
<213> Homo sapiens

<400> 235
ccttcgatag ctcagttggt agagcggagg actgtaggct cattaagcaa ggtatcctta 60

ggtcgctggt tcgaatccgg ctcggagga 89

<210> 236
<211> 94
<212> DNA
<213> Homo sapiens

<400> 236
ccttcgatag ctcagctggt agagcggagg actgtagatt gtatagacat ttgcggacat 60

ccttaggtcg ctggttcgat tccagctcga agga 94

<210> 237
<211> 93
<212> DNA
<213> Homo sapiens

<400> 237
ccttcgatag ctcagctggt agagcggagg actgtagcta cttcctcagc aggagacatc 60

cttaggtcgc tggttcgatt ccggctcgaa gga 93

<210> 238
<211> 89
<212> DNA
<213> Homo sapiens

<400> 238
ccttcgatag ctcagctggt agagcggagg actgtaggcg cgcgcccgtg gccatcctta 60

ggtcgctggt tcgattccgg ctcgaagga 89

<210> 239
<211> 94
<212> DNA
<213> Homo sapiens

<400> 239
ccttcgatag ctcagctggt agagcggagg actgtagcct gtagaaacat ttgtggacat 60

ccttaggtcg ctggttcgat tccggctcga agga 94

<210> 240
<211> 94
<212> DNA
<213> Homo sapiens

<400> 240
ccttcgatag ctcagctggt agagcggagg actgtagatt gtacagacat ttgcggacat 60

ccttaggtcg ctggttcgat tccggctcga agga 94

<210> 241
<211> 89
<212> DNA
<213> Homo sapiens

<400> 241
ccttcgatag ctcagctggt agagcggagg actgtagtac ttaatgtgtg gtcatcctta 60

ggtcgctggt tcgattccgg ctcgaagga 89

<210> 242
<211> 89
<212> DNA
<213> Homo sapiens

<400> 242
ccttcgatag ctcagctggt agagcggagg actgtagggg tttgaatgtg gtcatcctta 60

ggtcgctggt tcgaatccgg ctcggagga 89

<210> 243
<211> 94
<212> DNA
<213> Homo sapiens

<400> 243
ccttcgatag ctcagctggt agagcggagg actgtagact gcggaaacgt ttgtggacat 60

ccttaggtcg ctggttcaat tccggctcga agga 94

<210> 244
<211> 90
<212> DNA
<213> Homo sapiens

<400> 244
ctttcgatag ctcagttggt agagcggagg actgtaggtt cattaaacta aggcatcctt 60

aggtcgctgg ttcgaatccg gctcgaagga 90

<210> 245
<211> 88
<212> DNA
<213> Homo sapiens

<400> 245
tcttcaatag ctcagctggt agagcggagg actgtaggtg cacgcccgtg gccattctta 60

ggtgctggtt tgattccgac ttggagag 88

<210> 246
<211> 73
<212> DNA
<213> Homo sapiens

<400> 246
gtttccgtag tgtagtggtt atcacgttcg cctaacacgc gaaaggtccc cggttcgaaa 60

ccgggcggaa aca 73

<210> 247
<211> 73
<212> DNA
<213> Homo sapiens

<400> 247
gtttccgtag tgtagtggtc atcacgttcg cctaacacgc gaaaggtccc cggttcgaaa 60

ccgggcggaa aca 73

<210> 248
<211> 73
<212> DNA
<213> Homo sapiens

<400> 248

gtttccgtag tgtagtggtt atcacgttcg cctaacacgc gaaaggtccc tggatcaaaa 60

ccaggcggaa aca 73

<210> 249
<211> 73
<212> DNA
<213> Homo sapiens

<400> 249
gtttccgtag tgtagtggtt atcacgttcg cctaacacgc gaaaggtccg cggttcgaaa 60

ccgggcggaa aca 73

<210> 250
<211> 73
<212> DNA
<213> Homo sapiens

<400> 250
gtttccgtag tgtagtggtt atcacgtttg cctaacacgc gaaaggtccc cggttcgaaa 60

ccgggcagaa aca 73

<210> 251
<211> 72
<212> DNA
<213> Homo sapiens

<400> 251
gggggtgtag ctcagtggta gagcgtatgc ttaacattca tgaggctctg ggttcgatcc 60

ccagcacttc ca 72

<210> 252
<211> 73
<212> DNA
<213> Homo sapiens

<400> 252
gtttccgtag tgtagtggtt atcacgttcg cctcacacgc gaaaggtccc cggttcgaaa 60

ccgggcggaa aca 73

<210> 253
<211> 73
<212> DNA
<213> Homo sapiens

<400> 253
gcttctgtag tgtagtggtt atcacgttcg cctcacacgc gaaaggtccc cggttcgaaa 60

ccgggcagaa gca 73

<210> 254
<211> 73
<212> DNA
<213> Homo sapiens

<400> 254
gtttccgtag tgtagcggtt atcacattcg cctcacacgc gaaaggtccc cggttcgatc 60

ccgggcggaa aca 73

<210> 255
<211> 73
<212> DNA
<213> Homo sapiens

<400> 255
gtttccgtag tgtagtggtt atcacgttcg cctcacacgc gaaaggtccc cggttcgaaa 60

ctgggcggaa aca 73

<210> 256
<211> 74
<212> DNA
<213> Homo sapiens

<400> 256
gtttccgtag tgtagtggtt atcacgttcg cctcacacgc gtaaaggtcc ccggttcgaa 60

accgggcgga aaca 74

<210> 257
<211> 73
<212> DNA
<213> Homo sapiens

<400> 257
gtttccgtag tggagtggtt atcacgttcg cctcacacgc gaaaggtccc cggtttgaaa 60

ccaggcggaa aca 73

<210> 258
<211> 73

<212> DNA
<213> Homo sapiens

<400> 258
ggttccatag tgtagtggtt atcacgtctg ctttacacgc agaaggtcct gggttcgagc 60

cccagtggaa cca 73

<210> 259
<211> 73
<212> DNA
<213> Homo sapiens

<400> 259
ggttccatag tgtagcggtt atcacgtctg ctttacacgc agaaggtcct gggttcgagc 60

cccagtggaa cca 73

<210> 260
<211> 73
<212> DNA
<213> Homo sapiens

<400> 260
ggttccatag tgtagtggtt atcacatctg ctttacacgc agaaggtcct gggttcaagc 60

cccagtggaa cca 73

<210> 261
<211> 73
<212> DNA
<213> Homo sapiens

<400> 261
gtttccgtgg tgtagtggtt atcacattcg ccttacacgc gaaaggtcct cgggtcgaaa 60

ccgagcggaa aca 73

<210> 262
<211> 72
<212> DNA
<213> Homo sapiens

<400> 262
agcagagtgg cgcagcggaa gcgtgctggg cccataaccc agaggtcgat ggatcgaaac 60

catcctctgc ta 72

<210> 263
<211> 72
<212> DNA
<213> Homo sapiens

<400> 263
agcagagtgg cgcagcggaa gcgtgctggg cccataaccc agaggtcgat ggatctaaac 60

catcctctgc ta 72

<210> 264
<211> 73
<212> DNA
<213> Homo sapiens

<400> 264
tccctggtgg tctagtggct aggattcggc gctttcaccg ccgcggcccg ggttcgattc 60

ccggtcaggg aat 73

<210> 265
<211> 72
<212> DNA
<213> Homo sapiens

<400> 265
gcgttggtgg tttagtggta gaattctcgc ctcccatgcg ggagacccgg gttcaattcc 60

cggccactgc ac 72

<210> 266
<211> 72
<212> DNA
<213> Homo sapiens

<400> 266
ggccttggtg gtgcagtggt agaattctcg cctcccacgt gggagacccg ggttcaattc 60

ccggccaatg ca 72

<210> 267
<211> 73
<212> DNA
<213> Homo sapiens

<400> 267
gtccctggtg gtctagtggc taggattcgg cgctttcacc gccgcggccc gggttcgatt 60

cccggccagg gaa 73

<210> 268
<211> 75
<212> DNA
<213> Homo sapiens

<400> 268
tgtctctgtg gcgcaatcgg ttagcgcgtt cggctgttaa ccgaaagatt ggtggttcga 60

gcccacccag ggacg 75

<210> 269
<211> 86
<212> DNA
<213> Homo sapiens

<400> 269
tggctccgtg gcgcaatgga tagcgcattg gacttctaga ggctgaaggc attcaaaggt 60

tccgggttcg agtcccggcg gagtcg 86

<210> 270
<211> 74
<212> DNA
<213> Homo sapiens

<400> 270
gcccggctag ctcagtcggt agagcatgag actcttaatc tcagggtcgt gggttcgagc 60

cccacgttgg gcgc 74

<210> 271
<211> 73
<212> DNA
<213> Homo sapiens

<400> 271
gccgtgatcg tatagtggtt agtactctgc gttgtggccg cagcaacctc ggttcgaatc 60

cgagtcacgg cag 73

<210> 272
<211> 73
<212> DNA
<213> Homo sapiens

<400> 272
gcgttggtgg tatagtggtg agcatagctg ccttccaagc agttgacccg ggttcgattc 60

ccggccaacg cag 73

<210> 273
<211> 73
<212> DNA
<213> Homo sapiens

<400> 273
tccctggtgg tctagtggtt aggattcggc gctctcaccg ccgcggcccg ggttcgattc 60

ccggtcaggg aaa 73

<210> 274
<211> 73
<212> DNA
<213> Homo sapiens

<400> 274
aggttccatg gtgtaatggt gagcactctg gactctgaat ccagcgatcc gagttcgagt 60

ctcggtggaa cct 73

<210> 275
<211> 75
<212> DNA
<213> Homo sapiens

<400> 275
tgtctctgtg gcgtagtcgg ttagcgcgtt cggctgttaa ccgaaaagtt ggtggttcga 60

gcccacccag gaacg 75

<210> 276
<211> 75
<212> DNA
<213> Homo sapiens

<400> 276
tgtctctgtg gcgcaatcgg ttagcgcgtt cggctgttaa ccgaaaggtt ggtggttcga 60

gcccacccag ggacg 75

<210> 277
<211> 75
<212> DNA
<213> Homo sapiens

<400> 277
gtctctgtgg cgcaatcggt tagcgcattc ggctgttaac cgaaaggttg gtggttcgag 60

cccacccagg gacgc 75

<210> 278
<211> 75
<212> DNA
<213> Homo sapiens

<400> 278
gtctctgtgg cgcaatgggt tagcgcgttc ggctgttaac cgaaaggttg gtggttcgag 60

cccatccagg gacgc 75

<210> 279
<211> 72
<212> DNA
<213> Homo sapiens

<400> 279
gcactggtgg ttcagtggta gaattctcgc ctcacacgcg ggacacccgg gttcaattcc 60

cggtcaaggc aa 72

<210> 280
<211> 74
<212> DNA
<213> Homo sapiens

<400> 280
gtttccgtag tgtagtggtt atcacgttcg cctcacacgc gaaaggtccc cggttcgaaa 60

ctgggcggaa acag 74

<210> 281
<211> 72
<212> DNA
<213> Homo sapiens

<400> 281
gcactggtgg ttcagtggta gaattctcgc ctcccacgcg ggagacccgg gtttaattcc 60

cggtcaagat aa 72

<210> 282
<211> 75
<212> DNA

<213> Homo sapiens

<400> 282
gtttccgtag tgtagtggtt atcacgttcg cctcacacgc gtaaaggtcc ccggttcgaa 60

accgggcgga aacat 75

<210> 283
<211> 73
<212> DNA
<213> Homo sapiens

<400> 283
tagcagagtg gcgcagcgga agcgtgctgg gcccataacc cagaggtcga tggatcgaaa 60

ccatcctctg cta 73

<210> 284
<211> 74
<212> DNA
<213> Homo sapiens

<400> 284
gtttccgtag tgtagtggtt atcacgttcg cctcacacgc gaaaggtccc cggttcgaaa 60

ccgggcggaa acaa 74

<210> 285
<211> 73
<212> DNA
<213> Homo sapiens

<400> 285
tcctcgttag tatagtggtg agtatccccg cctgtcacgc gggagaccgg ggttcgattc 60

cccgacgggg agg 73

<210> 286
<211> 72
<212> DNA
<213> Homo sapiens

<400> 286
tgcatgggtg gttcagtggt agaattctcg cctgccacgc gggaggcccg ggttcgattc 60

ccggcccatg ca 72

<210> 287

<211> 73
<212> DNA
<213> Homo sapiens

<400> 287
tccctggtgg tctagtggtt aggattcggc gctctcaccg ccgcggcccg ggttcgattc 60

ccggtcaggg aag 73

<210> 288
<211> 73
<212> DNA
<213> Homo sapiens

<400> 288
atccttgtta ctatagtggt gagtatctct gcctgtcatg cgtgagagag ggggtcgatt 60

ccccgacggg gag 73

<210> 289
<211> 72
<212> DNA
<213> Homo sapiens

<400> 289
gcattggtgg ttcagtggta gaattctcgc ctgccacgcg ggaggcccgg gttcgattcc 60

cggccaatgc ac 72

<210> 290
<211> 84
<212> DNA
<213> Homo sapiens

<400> 290
gtcaggatgg ccgagcggtc taaggcgctg cgttcaggtc gcagtctccc ctggaggcgt 60

gggttcgaat cccactcctg acaa 84

<210> 291
<211> 73
<212> DNA
<213> Homo sapiens

<400> 291
cgcgttggtg gtatagtggt gagcatagct gccttccaag cagttgaccc gggttcgatt 60

cccggccaac gca 73

<210> 292
<211> 75
<212> DNA
<213> Homo sapiens

<400> 292
cgtctctgtg gcgcaatcgg ttagcgcgtt cggctgttaa ccgaaaggtt ggtggttcga 60

tcccacccag ggacg 75

<210> 293
<211> 73
<212> DNA
<213> Homo sapiens

<400> 293
cgcgttggtg gtgtagtggt gagcacagct gcctttcaag cagttaacgc gggttcgatt 60

cccgggtaac gaa 73

<210> 294
<211> 73
<212> DNA
<213> Homo sapiens

<400> 294
cggctcgttg gtctaggggt atgattctcg cttcgggtgc gagaggtccc gggttcaaat 60

cccggacgag ccc 73

<210> 295
<211> 73
<212> DNA
<213> Homo sapiens

<400> 295
ggctcgttgg tctaggggta tgattctcgc ttagggtgcg agaggtcccg ggttcaaatc 60

ccggacgagc cct 73

<210> 296
<211> 74
<212> DNA
<213> Homo sapiens

<400> 296
cgcccggata gctcagtcgg tagagcatca gacttttaat ctgagggtcc agggttcaag 60

tccctgttcg ggcg 74

<210> 297
<211> 74
<212> DNA
<213> Homo sapiens

<400> 297
gcccggatag ctcagtcggt agagcatcag acttttaatc tgagggtcca gggttcaagt 60

ccctgttcgg gcgt 74

<210> 298
<211> 107
<212> DNA
<213> Homo sapiens

<400> 298
tgtcaggatg gccgagtggt ctaaggcgcc agactcaagg taagcacctt gcctgcgggc 60

tttctggtct ccggatggag gcgtgggttc gaatcccact tctgaca 107

<210> 299
<211> 73
<212> DNA
<213> Homo sapiens

<400> 299
ttccctggtg gtctagtggt taggattcgg cgctctcacc gccgcggccc gggttcgatt 60

cccggtcagg aaa 73

<210> 300
<211> 90
<212> DNA
<213> Homo sapiens

<400> 300
gccttcgata gctcagttgg tagagcggag gactgtagtg gatagggcgt ggcaatcctt 60

aggtcgctgg ttcgattccg gctcgaagga 90

<210> 301
<211> 74
<212> DNA
<213> Homo sapiens

<400> 301

cgggggatta gctcaaatgg tagagcgctc gcttagcatg cgagaggtag cgggatcgat 60

gcccgcatcc tcca 74

<210> 302
<211> 94
<212> DNA
<213> Homo sapiens

<400> 302
agctccagtg gcgcaatcgg ttagcgcgcg gtacttatac agcagtacat gcagagcaat 60

gccgaggttg tgagttcgag cctcacctgg agca 94

<210> 303
<211> 72
<212> DNA
<213> Homo sapiens

<400> 303
gcgccgctgg tgtagtggta tcatgcaaga ttcccattct tgcgacccgg gttcgattcc 60

cgggcggcgc at 72

<210> 304
<211> 73
<212> DNA
<213> Homo sapiens

<400> 304
tcccatatgg tctagcggtt aggattcctg gttttcaccc aggtggcccg ggttcgactc 60

ccggtatggg aac 73

<210> 305
<211> 73
<212> DNA
<213> Homo sapiens

<400> 305
gggggatgta gctcagtggt agagcgcgcg cttcgcatgt gtgaggtccc gggttcaatc 60

cccggcatct cca 73

<210> 306
<211> 72
<212> DNA
<213> Homo sapiens

<400> 306
gcattggtgg ttcagtggta gaattctcgc ctgccacgcg ggaggcccgg gttcgattcc 60

cggccaatgc aa 72

<210> 307
<211> 74
<212> DNA
<213> Homo sapiens

<400> 307
gggccagtgg cgcaatggat aacgcgtctg actacggatc agaagattct aggttcgact 60

cctggctggc tcgc 74

<210> 308
<211> 74
<212> DNA
<213> Homo sapiens

<400> 308
ggtttccgta gtgtagtggt tatcacgttc gcctaacacg cgaaaggtcc ccggttcgaa 60

accgggcgga aaca 74

<210> 309
<211> 74
<212> DNA
<213> Homo sapiens

<400> 309
agtttccgta gtgtagtggt tatcacgttc gcctaacacg cgaaaggtcc ccggttcgaa 60

accgggcgga aaca 74

<210> 310
<211> 83
<212> DNA
<213> Homo sapiens

<400> 310
aggtagcgtg gccgagcggt ctaaggcgct ggattaaggc tccagtctct tcgggggcgt 60

gggttcgaat cccaccgctg cca 83

<210> 311
<211> 74

<212> DNA
<213> Homo sapiens

<400> 311
gtttccgtag tgtagtggtc atcacgttcg cctaacacgc gaaaggtccc cggttcgaaa 60

ccgggcggaa acat 74

<210> 312
<211> 73
<212> DNA
<213> Homo sapiens

<400> 312
ggctcgttgg tctaggggta tgattctcgc tttgggtgcg agaggtcccg ggttcaaatc 60

ccggacgagc cca 73

<210> 313
<211> 73
<212> DNA
<213> Homo sapiens

<400> 313
ggctccatag ctcaggggtt agagcactgg tcttgtaaac cagggtcgcg agttcaaatc 60

tcgctggggc ctg 73

<210> 314
<211> 73
<212> DNA
<213> Homo sapiens

<400> 314
tggggatgta gctcagtggt agagcgcatg ctttgcatgt atgaggcccc gggttcgatc 60

cccggcatct cca 73

<210> 315
<211> 74
<212> DNA
<213> Homo sapiens

<400> 315
cgcccggcta gctcagtcgg tagagcatga gactcttaat ctcagggtcg tgggttcgag 60

ccccacgttg ggcg 74

<210> 316
<211> 74
<212> DNA
<213> Homo sapiens

<400> 316
gtttccgtag tgtagtggtt atcacgttcg cctaacacgc gaaaggtccc cggttcgaaa 60

ccgggcggaa acaa 74

<210> 317
<211> 74
<212> DNA
<213> Homo sapiens

<400> 317
gcccggctag ctcagtcggt agagcatgag actcttaatc tcagggtcgt gggttcgagc 60

cccacgttgg gcgt 74

<210> 318
<211> 74
<212> DNA
<213> Homo sapiens

<400> 318
gtttccgtag tgtagtggtt atcacgttcg cctcacacgc gaaaggtccc cggttcgaaa 60

ccgggcggaa acac 74

<210> 319
<211> 73
<212> DNA
<213> Homo sapiens

<400> 319
cagcagagtg gcgcagcgga agcgtgctgg gcccataacc cagaggtcga tggatcgaaa 60

ccatcctctg cta 73

<210> 320
<211> 85
<212> DNA
<213> Homo sapiens

<400> 320
ggagaggcct ggccgagtgg ttaaggcgat ggactgctaa tccattgtgc tctgcacgcg 60

tgggttcgaa tcccatcctc gtcgc 85

<210> 321
<211> 73
<212> DNA
<213> Homo sapiens

<400> 321
ggccccatgg tgtaatggtt agcactctgg actttgaatc cagcgatccg agttcaaatc 60

tcggtgggac ctg 73

<210> 322
<211> 73
<212> DNA
<213> Homo sapiens

<400> 322
ggccccatgg tgtaatggtt agcactctgg actttgaatc cagcgatccg agttcaaatc 60

tcggtgggac cta 73

<210> 323
<211> 83
<212> DNA
<213> Homo sapiens

<400> 323
gtagtcgtgg ccgagtggtt aaggcgatgg acttgaaatc cattggggtc tccccgcgca 60

ggttcgaatc ctgccgacta cgg 83

<210> 324
<211> 73
<212> DNA
<213> Homo sapiens

<400> 324
agcagagtgg cgcagcggaa gcgtgctggg cccataaccc agaggtcgat ggatcgaaac 60

catcctctgc tat 73

<210> 325
<211> 74
<212> DNA
<213> Homo sapiens

<400> 325
ggaccacgtg gcctaatgga taaggcgtct gacttcggat cagaagattg agggttcgaa 60

tccctccgtg gtta 74

<210> 326
<211> 83
<212> DNA
<213> Homo sapiens

<400> 326
tgtagtcgtg gccgagtggt taaggcgatg gactagaaat ccattggggt ctccccgcgc 60

aggttcgaat cctgccgact acg 83

<210> 327
<211> 73
<212> DNA
<213> Homo sapiens

<400> 327
agcagagtgg cgcagcggaa gcgtgctggg cccataaccc agaggtcgat ggatcgaaac 60

catcctctgc tag 73

<210> 328
<211> 84
<212> DNA
<213> Homo sapiens

<400> 328
cgtcaggatg gccgagcggt ctaaggcgct gcgttcaggt cgcagtctcc cctggaggcg 60

tgggttcgaa tcccactcct gaca 84

<210> 329
<211> 75
<212> DNA
<213> Homo sapiens

<400> 329
ggctccgtgg cttagctggt taaagcgcct gtctagtaaa caggagatcc tgggttcgaa 60

tcccagcggg gcctg 75

<210> 330
<211> 74
<212> DNA
<213> Homo sapiens

<400> 330
agggccagtg gcgcaatgga taacgcgtct gactacggat cagaagattc caggttcgac 60

tcctggctgg ctcg 74

<210> 331
<211> 74
<212> DNA
<213> Homo sapiens

<400> 331
ggtttccgta gtgtagtggt tatcacgttc gcctcacacg cgaaaggtcc ccggttcgaa 60

accgggcgga aaca 74

<210> 332
<211> 73
<212> DNA
<213> Homo sapiens

<400> 332
aggggatgta gctcagtggt agagcgcatg cttcgcatgt atgaggtccc gggttcgatc 60

cccggcatct cca 73

<210> 333
<211> 75
<212> DNA
<213> Homo sapiens

<400> 333
tggccggtta gctcagttgg ttagagcgtg gtgctaataa cgccaaggtc gcgggttcga 60

tccccgtacg ggcca 75

<210> 334
<211> 73
<212> DNA
<213> Homo sapiens

<400> 334
cggctcgttg gtctaggggt atgattctcg cttagggtgc gagaggtccc gggttcaaat 60

cccggacgag ccc 73

<210> 335
<211> 74
<212> DNA

<213> Homo sapiens

<400> 335
agcccggcta gctcagtcgg tagagcatga gactcttaat ctcagggtcg tgggttcgag 60

ccccacgttg ggcg 74

<210> 336
<211> 92
<212> DNA
<213> Homo sapiens

<400> 336
tccttcgata gctcagttgg tagagcggag gactgtagtt ggctgtgtcc ttagacatcc 60

ttaggtcgct ggttcgaatc cggctcgaag ga 92

<210> 337
<211> 74
<212> DNA
<213> Homo sapiens

<400> 337
ggggaattag ctcaaatggt agagcgctcg cttagcatgc gagaggtagc gggatcgatg 60

cccgcattct ccag 74

<210> 338
<211> 74
<212> DNA
<213> Homo sapiens

<400> 338
cgccctctta gcgcagcggg cagcgcgtca gtctcataat ctgaaggtcc tgagttcgag 60

cctcagagag ggca 74

<210> 339
<211> 95
<212> DNA
<213> Homo sapiens

<400> 339
tgctccagtg gcgcaatcgg ttagcgcgcg gtacttatat ggcagtatgt gtgcgagtga 60

tgccgaggtt gtgagttcga gcctcacctg gagca 95

<210> 340

<211> 73
<212> DNA
<213> Homo sapiens

<400> 340
tgccgtgatc gtatagtggt tagtactctg cgttgtggcc gcagcaacct cggttcgaat 60

ccgagtcacg gca 73

<210> 341
<211> 75
<212> DNA
<213> Homo sapiens

<400> 341
ggccggttag ctcagttggt tagagcgtgg tgctaataac gccaaggtcg cgggttcgat 60

ccccgtacgg gccac 75

<210> 342
<211> 74
<212> DNA
<213> Homo sapiens

<400> 342
agtttccgta gtgtagtggt tatcacgttt gcctaacacg cgaaaggtcc ccggttcgaa 60

accgggcaga aaca 74

<210> 343
<211> 74
<212> DNA
<213> Homo sapiens

<400> 343
gcttctgtag tgtagtggtt atcacgttcg cctcacacgc gaaaggtccc cggttcgaaa 60

ccgggcagaa gcaa 74

<210> 344
<211> 73
<212> DNA
<213> Homo sapiens

<400> 344
ttcctcgtta gtatagtggt gagtatcccc gcctgtcacg cgggagaccg gggttcgatt 60

ccccgacggg gag 73

<210> 345
<211> 83
<212> DNA
<213> Homo sapiens

<400> 345
gtagtcgtgg ccgagtggtt aaggcgatgg acttgaaatc cattggggtt tccccgcgca 60

ggttcgaatc ctgtcggcta cgg 83

<210> 346
<211> 73
<212> DNA
<213> Homo sapiens

<400> 346
aggttccatg gtgtaatggt tagcactctg gactctgaat ccagcgatcc gagttcaaat 60

ctcggtggaa cct 73

<210> 347
<211> 73
<212> DNA
<213> Homo sapiens

<400> 347
tcctcgttag tatagtggtg agtgtccccg tctgtcacgc gggagaccgg ggttcgattc 60

cccgacgggg aga 73

<210> 348
<211> 74
<212> DNA
<213> Homo sapiens

<400> 348
gtttccgtag tgtagtggtt atcacgttcg cctaacacgc gaaaggtccc tggatcaaaa 60

ccaggcggaa acaa 74

<210> 349
<211> 75
<212> DNA
<213> Homo sapiens

<400> 349
cggccggtta gctcagttgg ttagagcgtg gtgctaataa cgccaaggtc gcgggttcga 60

tccccgtact ggcca 75

<210> 350
<211> 73
<212> DNA
<213> Homo sapiens

<400> 350
ggccccatgg tgtaatggtc agcactctgg actctgaatc cagcgatccg agttcaaatc 60

tcggtgggac cca 73

<210> 351
<211> 73
<212> DNA
<213> Homo sapiens

<400> 351
ggccccatgg tgtaatggtt agcactctgg actttgaatc cagcgatccg agttcaaatc 60

tcggtgggac ctt 73

<210> 352
<211> 73
<212> DNA
<213> Homo sapiens

<400> 352
tgggggtgta gctcagtggt agagcgcgtg cttagcatgt acgaggtccc gggttcaatc 60

cccggcacct cca 73

<210> 353
<211> 73
<212> DNA
<213> Homo sapiens

<400> 353
ggggatgtag ctcagtggta gagcgcatgc ttagcatgca tgaggtcccg ggttcgatcc 60

ccagcatctc cag 73

<210> 354
<211> 73
<212> DNA
<213> Homo sapiens

<400> 354

aggggtgta gctcagtggt agagcgcgtg cttcgcatgt acgaggcccc gggttcgacc 60

cccggctcct cca 73

<210> 355
<211> 73
<212> DNA
<213> Homo sapiens

<400> 355
gggggtgtag ctcagtggta gagcgcgtgc ttagcatgca cgaggccccg ggttcaatcc 60

ccggcacctc cat 73

<210> 356
<211> 73
<212> DNA
<213> Homo sapiens

<400> 356
gggggtgtag ctcagtggta gagcgcgtgc ttagcatgca cgaggccccg ggttcaatcc 60

ccggcacctc cag 73

<210> 357
<211> 107
<212> DNA
<213> Homo sapiens

<400> 357
gtcaggatgg ccgagtggtc taaggcgcca gactcaagct aagcttcctc cgcggtgggg 60

attctggtct ccaatggagg cgtgggttcg aatcccactt ctgacac 107

<210> 358
<211> 106
<212> DNA
<213> Homo sapiens

<400> 358
tgtcaggatg gccgagtggt ctaaggcgcc agactcaagc ttggcttcct cgtgttgagg 60

attctggtct ccaatggagg cgtgggttcg aatcccactt ctgaca 106

<210> 359
<211> 73
<212> DNA
<213> Homo sapiens

<400> 359
ggttccatgg tgtaatggtt agcactctgg actctgaatc cagcgatccg agttcaaatc 60

tcggtggaac ctt 73

<210> 360
<211> 83
<212> DNA
<213> Homo sapiens

<400> 360
ggtagcgtgg ccgagcggtc taaggcgctg gattaaggct ccagtctctt cgggggcgtg 60

ggttcgaatc ccaccgctgc cag 83

<210> 361
<211> 74
<212> DNA
<213> Homo sapiens

<400> 361
tgcctcctta gcgcagtagg cagcgcgtca gtctcataat ctgaaggtcc tgagttcgaa 60

cctcagaggg ggca 74

<210> 362
<211> 74
<212> DNA
<213> Homo sapiens

<400> 362
agcccggata gctcagtcgg tagagcatca gacttttaat ctgagggtcc agggttcaag 60

tccctgttcg ggcg 74

<210> 363
<211> 74
<212> DNA
<213> Homo sapiens

<400> 363
gcctccttag cgcagtaggc agcgcgtcag tctcataatc tgaaggtcct gagttcgaac 60

ctcagagggg gcag 74

<210> 364
<211> 73

<212> DNA
<213> Homo sapiens

<400> 364
ttccctggtg gtctagtggt taggattcgg cgctctcacc gccgcggccc gggttcgatt 60

cccggtcagg gaa 73

<210> 365
<211> 84
<212> DNA
<213> Homo sapiens

<400> 365
caccaggatg gccgagtggt taaggcgttg gacttaagat ccaatggaca tatgtccgcg 60

tgggttcgaa ccccactcct ggta 84

<210> 366
<211> 73
<212> DNA
<213> Homo sapiens

<400> 366
tggctcgttg gtctaggggt atgattctcg cttagggtgc gagaggtccc gggttcaaat 60

cccggacgag ccc 73

<210> 367
<211> 74
<212> DNA
<213> Homo sapiens

<400> 367
agccccagtg gcctaatgga taaggcattg gcctcctaag ccagggattg tgggttcgag 60

tcccatctgg ggtg 74

<210> 368
<211> 73
<212> DNA
<213> Homo sapiens

<400> 368
ggggatatag ctcaggggta gagcatttga ctgcagatca agaggtcccc ggttcaaatc 60

cgggtgcccc ccc 73

<210> 369
<211> 94
<212> DNA
<213> Homo sapiens

<400> 369
cccttcgata gctcagctgg tagagcggag gactgtagct acttcctcag caggagacat 60

ccttaggtcg ctggttcgat tccggctcga agga 94

<210> 370
<211> 90
<212> DNA
<213> Homo sapiens

<400> 370
cccttcgata gctcagctgg tagagcggag gactgtaggc gcgcgcccgt ggccatcctt 60

aggtcgctgg ttcgattccg gctcgaagga 90

<210> 371
<211> 74
<212> DNA
<213> Homo sapiens

<400> 371
tgggggatta gctcaaatgg tagagcgctc gcttagcatg cgagaggtag cgggatcgat 60

gcccgcatcc tcca 74

<210> 372
<211> 83
<212> DNA
<213> Homo sapiens

<400> 372
gtagtcgtgg ccgagtggtt aaggcgatgg actagaaatc cattggggtc tccccgcgca 60

ggttcgaatc ctgccgacta cgg 83

<210> 373
<211> 74
<212> DNA
<213> Homo sapiens

<400> 373
gcctcgttag cgcagtaggt agcgcgtcag tctcataatc tgaaggtcgt gagttcgatc 60

ctcacacggg gcac 74

<210> 374
<211> 92
<212> DNA
<213> Homo sapiens

<400> 374
ggctctgtgg cgcaatggat agcgcattgg acttctagct gagcctagtg tggtcattca 60

aaggttgtgg gttcgagtcc caccagagtc ga 92

<210> 375
<211> 75
<212> DNA
<213> Homo sapiens

<400> 375
gtctctgtgg cgcaatcggt tagcgcgttc ggctgttaac cgaaaggttg gtggttcgag 60

cccacccagg gacgc 75

<210> 376
<211> 83
<212> DNA
<213> Homo sapiens

<400> 376
ggcagcgatg gccgagtggt taaggcgttg gacttgaaat ccaatggggt ctccccgcgc 60

aggttcgaac cctgctcgct gcg 83

<210> 377
<211> 74
<212> DNA
<213> Homo sapiens

<400> 377
ggttccatag tgtagtggtt atcacgtctg ctttacacgc agaaggtcct gggttcgagc 60

cccagtggaa ccat 74

<210> 378
<211> 74
<212> DNA
<213> Homo sapiens

<400> 378
ggttccatag tgtagcggtt atcacgtctg ctttacacgc agaaggtcct gggttcgagc 60

cccagtggaa ccac 74

<210> 379
<211> 87
<212> DNA
<213> Homo sapiens

<400> 379
tggctctgtg gcgcaatgga tagcgcattg gacttctaga tagttagaga aattcaaagg 60

ttgtgggttc gagtcccacc agagtcg 87

<210> 380
<211> 84
<212> DNA
<213> Homo sapiens

<400> 380
taccagaatg gccgagtggt taaggcgttg gacttaagat ccaatggatt catatccgcg 60

tgggttcgaa ccccacttct ggta 84

<210> 381
<211> 74
<212> DNA
<213> Homo sapiens

<400> 381
ggcccggata gctcagtcgg tagagcatca gacttttaat ctgagggtcc ggggttcaag 60

tccctgttcg ggcg 74

<210> 382
<211> 74
<212> DNA
<213> Homo sapiens

<400> 382
gccgaaatag ctcagttggg agagcgttag actgaagatc taaaggtccc tggttcgatc 60

ccgggtttcg gcag 74

<210> 383
<211> 74
<212> DNA
<213> Homo sapiens

<400> 383
gcccggatag ctcagtcggt agagcatcag acttttaatc tgagggtcca gggttcaagt 60

ccctgttcgg gcgg 74

<210> 384
<211> 74
<212> DNA
<213> Homo sapiens

<400> 384
gccgaaatag ctcagttggg agagcgttag actgaagatc taaaggtccc tggttcaatc 60

ccgggtttcg gcag 74

<210> 385
<211> 83
<212> DNA
<213> Homo sapiens

<400> 385
ggacgaggtg gccgagtggt taaggcgatg gactgctaat ccattgtgct ttgcacgcgt 60

gggttcgaat cccatcctcg tcg 83

<210> 386
<211> 73
<212> DNA
<213> Homo sapiens

<400> 386
ggctcgttgg tctaggggta tgattctcgg tttgggtccg agaggtcccg ggttcaaatc 60

ccggacgagc ccc 73

<210> 387
<211> 83
<212> DNA
<213> Homo sapiens

<400> 387
agtcacggtg gccgagtggt taaggcgttg gactcgaaat ccaatggggt ttccccgcac 60

aggttcgaat cctgttcgtg acg 83

<210> 388
<211> 73
<212> DNA

<213> Homo sapiens

<400> 388
ctcctcgtta gtatagtggt tagtatcccc gcctgtcacg cgggagaccg gggttcaatt 60

ccccgacggg gag 73

<210> 389
<211> 73
<212> DNA
<213> Homo sapiens

<400> 389
ggacctcgtg gcgcaacggt agcgcgtctg actccagatc agaaggctgc gtgttcgaat 60

cacgtcgggg tca 73

<210> 390
<211> 73
<212> DNA
<213> Homo sapiens

<400> 390
ggggatgtag ctcagtggta gagcgcatgc tttgcatgta tgaggccccg ggttcgatcc 60

ccggcatctc cat 73

<210> 391
<211> 74
<212> DNA
<213> Homo sapiens

<400> 391
gccgaaatag ctcagttggg agagcgttag actgaagatc taaaggtccc tggttcgatc 60

ccgggtttcg gcac 74

<210> 392
<211> 73
<212> DNA
<213> Homo sapiens

<400> 392
aggggatgta gctcagtggt agagcgcatg ctttgcacgt atgaggcccc gggttcaatc 60

cccggcatct cca 73

<210> 393

<211> 75
<212> DNA
<213> Homo sapiens

<400> 393
gtctctgtgg cgcaatcggt tagcgcgttc ggctgttaac cgaaaggttg gtggttcgag 60

cccacccagg gacgg 75

<210> 394
<211> 73
<212> DNA
<213> Homo sapiens

<400> 394
tcccacatgg tctagcggtt aggattcctg gttttcaccc aggcggcccg ggttcgactc 60

ccggtgtggg aac 73

<210> 395
<211> 74
<212> DNA
<213> Homo sapiens

<400> 395
ggctccatag ctcaggggtt agagcgctgg tcttgtaaac caggggtcgc gagttcaatt 60

ctcgctgggg cctg 74

<210> 396
<211> 83
<212> DNA
<213> Homo sapiens

<400> 396
tggtagtgtg gccgagcggt ctaaggcgct ggatttaggc tccagtctct tcgggggcgt 60

gggttcgaat cccaccactg cca 83

<210> 397
<211> 74
<212> DNA
<213> Homo sapiens

<400> 397
ggctccatag ctcaggggtt agagcactgg tcttgtaaac caggggtcgc gagttcaaat 60

ctcgctgggg cctc 74

<210> 398
<211> 73
<212> DNA
<213> Homo sapiens

<400> 398
tggctcgttg gtctagtggt atgattctcg ctttgggtgc gagaggtccc gggttcaaat 60

cccggacgag ccc 73

<210> 399
<211> 95
<212> DNA
<213> Homo sapiens

<400> 399
ccttcgatag ctcagctggt agagcggagg actgtagatt gtacagacat ttgcggacat 60

ccttaggtcg ctggttcgat tccggctcga aggaa 95

<210> 400
<211> 74
<212> DNA
<213> Homo sapiens

<400> 400
aggccctata gctcaggggt tagagcactg gtcttgtaaa ccaggggtcg cgagttcaaa 60

tctcgctggg gcct 74

<210> 401
<211> 90
<212> DNA
<213> Homo sapiens

<400> 401
tccttcgata gctcagctgg tagagcggag gactgtagta cttaatgtgt ggtcatcctt 60

aggtcgctgg ttcgattccg gctcgaagga 90

<210> 402
<211> 73
<212> DNA
<213> Homo sapiens

<400> 402
tggctcgttg gtctaggggt atgattctcg ctttgggtgc gagaggtccc gggttcaaat 60

cccggacgag ccc 73

<210> 403
<211> 74
<212> DNA
<213> Homo sapiens

<400> 403
gcccggctag ctcagtcggt agagcatggg actcttaatc ccagggtcgt gggttcgagc 60

cccacgttgg gcgc 74

<210> 404
<211> 75
<212> DNA
<213> Homo sapiens

<400> 404
cggccggtta gctcagttgg ttagagcgtg gtgctaataa cgccaaggtc gcgggttcga 60

tccccgtacg ggcca 75

<210> 405
<211> 73
<212> DNA
<213> Homo sapiens

<400> 405
tcccacatgg tctagcggtt aggattcctg gttttcaccc aggcggcccg ggttcgactc 60

ccggtgtggg aat 73

<210> 406
<211> 83
<212> DNA
<213> Homo sapiens

<400> 406
gacgaggtgg ccgagtggtt aaggcgatgg actgctaatc cattgtgctc tgcacgcgtg 60

ggttcgaatc ccatcctcgt cga 83

<210> 407
<211> 73
<212> DNA
<213> Homo sapiens

<400> 407

gccgtgatcg tatagtggtt agtactctgc gttgtggccg cagcaacctc ggttcgaatc 60

cgagtcacgg cat 73

<210> 408
<211> 73
<212> DNA
<213> Homo sapiens

<400> 408
cgccgtgatc gtatagtggt tagtactctg cgttgtggcc gcagcaacct cggttcgaat 60

ccgagtcacg gca 73

<210> 409
<211> 73
<212> DNA
<213> Homo sapiens

<400> 409
ggttccatgg tgtaatggtt agcactctgg actctgaatc cagcgatccg agttcaaatc 60

tcggtggaac ctg 73

<210> 410
<211> 74
<212> DNA
<213> Homo sapiens

<400> 410
tgcccggcta gctcagtcgg tagagcatgg gactcttaat cccagggtcg tgggttcgag 60

ccccacgttg ggcg 74

<210> 411
<211> 74
<212> DNA
<213> Homo sapiens

<400> 411
gggccgcgtg gcctaatgga taaggcgtct gacttcggat cagaagattg caggttcgag 60

tcctgccgcg gtcg 74

<210> 412
<211> 72
<212> DNA
<213> Homo sapiens

<400> 412
gcgccgctgg tgtagtggta tcatgcaaga ttcccattct tgcgacccgg gttcgattcc 60

cgggcggcgc ac 72

<210> 413
<211> 74
<212> DNA
<213> Homo sapiens

<400> 413
gggccgcgtg gcctaatgga taaggcgtct gattccggat cagaagattg agggttcgag 60

tcccttcgtg gtcg 74

<210> 414
<211> 74
<212> DNA
<213> Homo sapiens

<400> 414
cgccccggtg gcctaatgga taaggcattg gcctcctaag ccagggattg tgggttcgag 60

tcccacccgg ggta 74

<210> 415
<211> 74
<212> DNA
<213> Homo sapiens

<400> 415
gcccggctag ctcagtcggt agagcatgag acccttaatc tcagggtcgt gggttcgagc 60

cccacgttgg gcgt 74

<210> 416
<211> 73
<212> DNA
<213> Homo sapiens

<400> 416
aggcgcggtg gccaagtggt aaggcgtcgg tctcgtaaac cgaagatcac gggttcgaac 60

cccgtccgtg cct 73

<210> 417
<211> 83

<212> DNA
<213> Homo sapiens

<400> 417
ggtagcgtgg ccgagtggtc taaggcgctg gatttaggct ccagtcattt cgatggcgtg 60

ggttcgaatc ccaccgctgc cac 83

<210> 418
<211> 83
<212> DNA
<213> Homo sapiens

<400> 418
gggtagcgtg gccgagcggt ctaaggcgct ggattaaggc tccagtctct tcgggggcgt 60

gggttcgaat cccaccgctg cca 83

<210> 419
<211> 84
<212> DNA
<213> Homo sapiens

<400> 419
agtcaggatg gccgagcggt ctaaggcgct gcgttcaggt cgcagtctcc cctggaggcg 60

tgggttcgaa tcccacttct gaca 84

<210> 420
<211> 84
<212> DNA
<213> Homo sapiens

<400> 420
gtcaggatgg ccgagcggtc taaggcgctg cgttcaggtc gcagtctccc ctggaggcgt 60

gggttcgaat cccacttctg acag 84

<210> 421
<211> 74
<212> DNA
<213> Homo sapiens

<400> 421
gcctcgttag cgcagtaggc agcgcgtcag tctcataatc tgaaggtcgt gagttcgagc 60

ctcacacggg gcag 74

<210> 422
<211> 83
<212> DNA
<213> Homo sapiens

<400> 422
ggtagcgtgg ccgagcggtc taaggcgctg gatttaggct ccagtctctt cggaggcgtg 60

ggttcgaatc ccaccgctgc cag 83

<210> 423
<211> 89
<212> DNA
<213> Homo sapiens

<400> 423
tggctctgtg gcgcaatgga tagcgcattg gacttctagt gacgaataga gcaattcaaa 60

ggttgtgggt tcgaatccca ccagagtcg 89

<210> 424
<211> 72
<212> DNA
<213> Homo sapiens

<400> 424
cgcattggtg gttcagtggt agaattctcg cctgccacgc gggaggcccg ggttcgattc 60

ccggccaatg ca 72

<210> 425
<211> 83
<212> DNA
<213> Homo sapiens

<400> 425
gctgtgatgg ccgagtggtt aaggcgttgg actcgaaatc caatggggtc tccccgcgca 60

ggttcgaatc ctgctcacag cgt 83

<210> 426
<211> 75
<212> DNA
<213> Homo sapiens

<400> 426
ggcgccgtgg cttagctggt taaagcgcct gtctagtaaa caggagatcc tgggttcgaa 60

tcccagcggt gcctg 75

<210> 427
<211> 73
<212> DNA
<213> Homo sapiens

<400> 427
cgacctcgtg gcgcaacggt agcgcgtctg actccagatc agaaggttgc gtgttcaaat 60

cacgtcgggg tca 73

<210> 428
<211> 83
<212> DNA
<213> Homo sapiens

<400> 428
agacgaggtg gccgagtggt taaggcgatg gactgctaat ccattgtgct ctgcacgcgt 60

gggttcgaat cccatcctcg tcg 83

<210> 429
<211> 75
<212> DNA
<213> Homo sapiens

<400> 429
cggcgccgtg gcttagttgg ttaaagcgcc tgtctagtaa acaggagatc ctgggttcga 60

atcccagcgg tgcct 75

<210> 430
<211> 73
<212> DNA
<213> Homo sapiens

<400> 430
ggcctcgtgg cgcaacggta gcgcgtctga ctccagatca gaaggttgcg tgttcaaatc 60

acgtcggggt caa 73

<210> 431
<211> 73
<212> DNA
<213> Homo sapiens

<400> 431
agcgttggtg gtatagtggt aagcatagct gccttccaag cagttgaccc gggttcgatt 60

cccggccaac gca 73

<210> 432
<211> 73
<212> DNA
<213> Homo sapiens

<400> 432
tcctcgttag tatagtggtg agtatccccg cctgtcacgc gggagaccgg ggttcgattc 60

cccgacgggg aga 73

<210> 433
<211> 73
<212> DNA
<213> Homo sapiens

<400> 433
ggctcgttgg tctaggggta tgattctcgc ttcgggtgcg agaggtcccg ggttcaaatc 60

ccggacgagc cct 73

<210> 434
<211> 75
<212> DNA
<213> Homo sapiens

<400> 434
ggcgccgtgg cttagttggt taaagcgcct gtctagtaaa caggagatcc tgggttcgaa 60

tcccagcggt gcctt 75

<210> 435
<211> 83
<212> DNA
<213> Homo sapiens

<400> 435
gtagtcgtgg ccgagtggtt aaggcgatgg actagaaatc cattggggtc tccccgcgca 60

ggttcgaatc ctgccgacta cgt 83

<210> 436
<211> 73
<212> DNA
<213> Homo sapiens

<400> 436
tgacctcgtg gcgcaatggt agcgcgtctg actccagatc agaaggttgc gtgttcaagt 60

cacgtcgggg tca 73

<210> 437
<211> 73
<212> DNA
<213> Homo sapiens

<400> 437
aggcgcggtg gccaagtggt aaggcgtcgg tctcgtaaac cgaagatcgc gggttcgaac 60

cccgtccgtg cct 73

<210> 438
<211> 73
<212> DNA
<213> Homo sapiens

<400> 438
agggggtata gctcagtggt agagcatttg actgcagatc aagaggtccc cggttcaaat 60

ccgggtgccc cct 73

<210> 439
<211> 73
<212> DNA
<213> Homo sapiens

<400> 439
gggggtatag ctcagtggta gagcatttga ctgcagatca agaggtccct ggttcaaatc 60

cgggtgcccc ctc 73

<210> 440
<211> 73
<212> DNA
<213> Homo sapiens

<400> 440
gggggtatag ctcagtggta gagcatttga ctgcagatca agaggtcccc ggttcaaatc 60

cgggtgcccc ctc 73

<210> 441
<211> 73
<212> DNA

<213> Homo sapiens

<400> 441
aggtcccatg gtgtaatggt tagcactctg gactttgaat ccagcgatcc gagttcaaat 60

ctcggtggga cct 73

<210> 442
<211> 74
<212> DNA
<213> Homo sapiens

<400> 442
gacccagtgg cctaatggat aaggcatcag cctccggagc tggggattgt gggttcgagt 60

cccatctggg tcgc 74

<210> 443
<211> 74
<212> DNA
<213> Homo sapiens

<400> 443
agccccagtg gcctaatgga taaggcactg gcctcctaag ccagggattg tgggttcgag 60

tcccacctgg ggta 74

<210> 444
<211> 74
<212> DNA
<213> Homo sapiens

<400> 444
gccccagtgg cctaatggat aaggcactgg cctcctaagc cagggattgt gggttcgagt 60

cccacctggg gtgt 74

<210> 445
<211> 74
<212> DNA
<213> Homo sapiens

<400> 445
agaccgcgtg gcctaatgga taaggcgtct gacttcggat cagaagattg agggttcgag 60

tcccttcgtg gtcg 74

<210> 446

<211> 75
<212> DNA
<213> Homo sapiens

<400> 446
cgtctctgtg gcgcaatcgg ttagcgcgtt cggctgttaa ccgaaaggtt ggtggttcga 60

gcccacccag ggacg 75

<210> 447
<211> 73
<212> DNA
<213> Homo sapiens

<400> 447
ggcgttggtg gtatagtggt tagcatagct gccttccaag cagttgaccc gggttcgatt 60

cccggccaac gca 73

<210> 448
<211> 74
<212> DNA
<213> Homo sapiens

<400> 448
gtttccgtag tgtagcggtt atcacattcg cctcacacgc gaaaggtccc cggttcgatc 60

ccgggcggaa acag 74

<210> 449
<211> 75
<212> DNA
<213> Homo sapiens

<400> 449
tggcgccgtg gcttagttgg ttaaagcgcc tgtctagtaa acaggagatc ctgggttcga 60

atcccagcgg tgcct 75

<210> 450
<211> 94
<212> DNA
<213> Homo sapiens

<400> 450
gctccagtgg cgcaatcggt tagcgcgcgg tacttatatg acagtgcgag cggagcaatg 60

ccgaggttgt gagttcgatc ctcacctgga gcac 94

<210> 451
<211> 72
<212> DNA
<213> Homo sapiens

<400> 451
gcatgggtgg ttcagtggta gaattctcgc ctgccacgcg ggaggcccgg gttcgattcc 60

cggcccatgc ag 72

<210> 452
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 452
aaaatataaa tatatttc 18

<210> 453
<211> 5
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 453
aagct 5

<210> 454
<211> 5
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 454
aagtt 5

<210> 455
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 455
aattcttcgg aatgt 15

<210> 456
<211> 3
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 456
aga 3

<210> 457
<211> 5
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 457
agtcc 5

<210> 458
<211> 5
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 458
caacc 5

<210> 459
<211> 5
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 459
caatc 5

<210> 460
<211> 4
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 460
cagc 4

<210> 461
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 461
caggcgggtt ctgcccgcgc 20

<210> 462
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 462
catacctgca agggtatc 18

<210> 463
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 463
cgaccgcaag gttgt 15

<210> 464
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 464
cgaccttgcg gtcat 15

<210> 465
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 465
cgatgctaat cacatcgt 18

<210> 466
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 466
cgatggtgac atcat 15

<210> 467
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 467
cgatggttta catcgt 16

<210> 468
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 468
cgccgtaagg tgt 13

<210> 469
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 469
cgccttaggt gt 12

<210> 470

<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 470
cgcctttcga cgcgt 15

<210> 471
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 471
cgcttcacgg cgt 13

<210> 472
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 472
cggcagcaat gctgt 15

<210> 473
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 473
cggctccgcc ttc 13

<210> 474
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 474
cgggtatcac agggtc 16

<210> 475
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 475
cggtgcgcaa gcgctgt 17

<210> 476
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 476
cgtacgggtg accgtacc 18

<210> 477
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 477
cgtcaaagac ttc 13

<210> 478
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 478
cgtcgtaaga ctt 13

<210> 479
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 479
cgttgaataa acgt 14

<210> 480
<211> 5
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 480
ctgtc 5

<210> 481
<211> 4
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 481
ggcc 4

<210> 482
<211> 7
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 482
ggggatt 7

<210> 483
<211> 4
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 483
ggtc 4

<210> 484
<211> 5
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 484
ggttt 5

<210> 485
<211> 4
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 485
gtag 4

<210> 486
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 486
taactagata ctttcagat 19

<210> 487
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 487
tactcgtatg ggtgc 15

<210> 488
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 488
tactttgcgg tgt 13

<210> 489
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 489
taggcgagta acatcgtgc 19

<210> 490
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 490
taggcgtgaa tagcgcctc 19

<210> 491
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 491
taggtcgcga gagcggcgc 19

<210> 492
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 492

taggtcgcgt aagcggcgc 19

<210> 493
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 493
taggtggtta tccacgc 17

<210> 494
<211> 5
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 494
tagtc 5

<210> 495
<211> 5
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 495
tagtt 5

<210> 496
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

oligonucleotide"

<400> 496
tatacgtgaa agcgtatc 18

<210> 497
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 497
tatagggtca aaaactctat c 21

<210> 498
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 498
tatgcagaaa tacctgcatc 20

<210> 499
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 499
tccccatacg ggggc 15

<210> 500
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 500
tcccgaaggg gttc 14

<210> 501
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 501
tctacgtatg tgggc 15

<210> 502
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 502
tctcatagga gttc 14

<210> 503
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 503
tctcctctgg aggc 14

<210> 504
<211> 15

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 504
tcttagcaat aaggt 15

<210> 505
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 505
tcttgtagga gttc 14

<210> 506
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 506
tgaacgtaag ttcgc 15

<210> 507
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 507
tgaactgcga ggttcc 16

<210> 508
<211> 4
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 508
tgac 4

<210> 509
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 509
tgaccgaaag gtcgt 15

<210> 510
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 510
tgaccgcaag gtcgt 15

<210> 511
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 511
tgagctctgc tctc 14

<210> 512
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 512
tgaggcctca cggcctac 18

<210> 513
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 513
tgagggcaac ttcgt 15

<210> 514
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 514
tgagggtcat acctcc 16

<210> 515
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 515
tgagggtgca aatcctcc 18

<210> 516
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 516
tgccgaaagg cgt 13

<210> 517
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 517
tgccgtaagg cgt 13

<210> 518
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 518
tgcggtctcc gcgc 14

<210> 519
<211> 11
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 519
tgctagagca t 11

<210> 520
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 520
tgctcgtata gagctc 16

<210> 521
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 521
tggacaattg tctgc 15

<210> 522
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 522
tggacagatg tccgt 15

<210> 523

<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 523
tggacaggtg tccgc 15

<210> 524
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 524
tggacggttg tccgc 15

<210> 525
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 525
tggacttgtg gtc 13

<210> 526
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 526
tggagattct ctccgc 16

<210> 527
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 527
tggcataggc ctgc 14

<210> 528
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 528
tggcttatgt ctac 14

<210> 529
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 529
tgggagttaa tcccgt 16

<210> 530
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 530
tgggatcttc ccgc 14

<210> 531
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 531
tgggcagaaa tgtctc 16

<210> 532
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 532
tgggcgttcg cccgc 15

<210> 533
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 533
tgggcttcgc ccgc 14

<210> 534
<211> 16
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 534
tgggggataa ccccgt 16

<210> 535
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 535
tgggggtttc cccgt 15

<210> 536
<211> 4
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 536
tggt 4

<210> 537
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 537
tggtggcaac accgt 15

<210> 538
<211> 14
<212> DNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 538
tggtttatag ccgt 14

<210> 539
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 539
tgtacggtaa taccgtacc 19

<210> 540
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 540
tgtccgcaag gacgt 15

<210> 541
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 541
tgtcctaacg gacgt 15

<210> 542
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 542
tgtcctatta acggacgt 18

<210> 543
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 543
tgtccttcac gggcgt 16

<210> 544
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 544
tgtcttagga cgt 13

<210> 545
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 545

tgtgcgttaa cgcgtacc 18

<210> 546
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 546
tgtgtcgcaa ggcacc 16

<210> 547
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 547
tgttcgtaag gactt 15

<210> 548
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 548
ttcacagaaa tgtgtc 16

<210> 549
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

oligonucleotide"

<400> 549
ttccctcgtg gagt 14

<210> 550
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 550
ttccctctgg gagc 14

<210> 551
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 551
ttcccttgtg gatc 14

<210> 552
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 552
ttccttcggg agc 13

<210> 553
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 553
ttctagcaat agagt 15

<210> 554
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 554
ttctccactg gggagc 16

<210> 555
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 555
ttctcgagag ggagc 15

<210> 556
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 556
ttctcgtatg agagc 15

<210> 557
<211> 19

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 557
tttaaggttt tcccttaac 19

<210> 558
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 558
tttcattgtg gagt 14

<210> 559
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 559
tttcgaagga atcc 14

<210> 560
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 560
tttcttcgga agc 13

<210> 561
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 561
tttggggcaa ctcaac 16

<210> 562
<211> 342
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (5)..(6)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (15)..(16)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (21)..(21)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (30)..(32)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (34)..(34)
<223> a, c, u, or g

<220>
<221> modified_base

<222> (37)..(37)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (41)..(45)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (47)..(317)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (47)..(320)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (328)..(329)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (333)..(334)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (336)..(337)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(342)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(342)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 562
rkssnndurg hbyannyugr ndgwdvdydn nnbnhbnryr nnnnndnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn rrduyranny ybnnhnnbwc cd 342

<210> 563
<211> 341
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (16)..(16)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (30)..(30)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (46)..(316)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (46)..(316)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (319)..(319)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (328)..(328)
<223> a, c, u, or g

<220>

<221> variation
<222> (1)..(341)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(341)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 563
rksgrwdkrg hbyavnyggu dgarvrydyn hkywbhryrh dhdhrnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnbhnr gducrayncy ydvhhyywcc d 341

<210> 564
<211> 341
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (16)..(16)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (30)..(30)
<223> a, c, u, or g

<220>
<221> modified_base

<222> (46)..(316)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (46)..(316)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (319)..(319)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(341)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(341)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 564
ggggrwdurg hbyavnyggu dgarvrydyn hkywkhryrh dhdhrnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnbhnr gducraybcc ydvhhyyucc a 341

<210> 565
<211> 343
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (2)..(8)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (12)..(13)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (17)..(17)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (22)..(24)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (26)..(27)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (30)..(35)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (38)..(38)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (43)..(43)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (45)..(322)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (48)..(318)
<223> /note="This region may encompass 1-271 nucleotides"

<220>

<221> modified_base
<222> (329)..(329)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (333)..(342)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(343)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(343)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 565
gnnnnnnnkv gnnhddnhwr rnnnrnnvyn nnnnnbunck rhnbnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnguuyrany ybnnnnnnnn nnd 343

<210> 566
<211> 342
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base

<222> (3)..(3)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (6)..(7)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (13)..(13)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (26)..(26)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (32)..(32)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (37)..(37)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (44)..(44)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (47)..(317)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (47)..(317)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (328)..(328)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (336)..(338)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (340)..(340)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(342)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(342)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 566
grnvbnnvkb gbnydrwurg wygarnrydy ynsvyunckr mkbnrrnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnshv gguuyranuy cbdbynnnbn hr 342

<210> 567
<211> 342
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (3)..(3)
<223> a, c, u, or g

<220>

<221> modified_base
<222> (7)..(7)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (47)..(317)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (47)..(317)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (336)..(336)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (340)..(340)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(342)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(342)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 567
grnvyvnskk gssydawugg aygarsgyry ykgmyuhckr akymrrnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnshr gguuygavuy cydbynbdbn yg 342

<210> 568
<211> 341
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (2)..(2)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (4)..(6)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (12)..(12)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (17)..(17)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (25)..(25)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (28)..(30)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (43)..(316)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (46)..(316)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (318)..(319)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (327)..(327)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (331)..(332)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (334)..(337)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (339)..(340)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(341)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(341)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 568
dnynnndurg hnhvrynggb hurdnrynnn bsryyruuwa hbnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnvnnr gukhvwnhcy nnbnnnndnn r 341

<210> 569
<211> 341
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (17)..(17)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (28)..(28)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (46)..(316)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (46)..(316)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> variation
<222> (1)..(341)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(341)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 569
ruyucygurg hryvrunggb yuarhgcnuu ysryyruuwa hbddannnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnrgur gukhvwdmcy ayysvrrrrb r 341

<210> 570
<211> 341
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (46)..(316)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (46)..(316)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> variation
<222> (1)..(341)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(341)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 570
ruyucygurg hryvrubggb yuaghgcbuu ysryyruuaa hyddannnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnrgur gukhvwdmcy ayysvrrrry g 341

<210> 571
<211> 342
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (2)..(6)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (12)..(12)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (16)..(16)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (22)..(22)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (26)..(26)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (29)..(29)
<223> a, c, u, or g

<220>

<221> modified_base
<222> (31)..(32)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (44)..(44)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (47)..(317)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (47)..(319)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (328)..(328)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (333)..(334)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (336)..(339)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(342)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(342)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 571
knnnnndyrr ynhrrnyygr hnumdnrynb nnvhyurucr hdbnbvnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnns rgyubrhnyy ysnnhnnnnb mr 342

<210> 572
<211> 339
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (2)..(2)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (6)..(6)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (44)..(314)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (44)..(314)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (333)..(333)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(339)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(339)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 572
knsbbnwyar ywyrgugguk mgwrubysyr yyurucaygb rsrnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnykgrgy ubrhkyycch rwnvvksmr 339

<210> 573
<211> 339
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (44)..(314)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (44)..(314)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> variation
<222> (1)..(339)
<223> /replace=" "

<220>

<221> misc_feature
<222> (1)..(339)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 573
umcuyruyag uaurgugguk mguruyycyg ycugucaygy ggrnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnyggrgu uyrmkyyccy rasrrggag 339

<210> 574
<211> 342
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (3)..(6)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (12)..(13)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (16)..(16)
<223> a, c, u, or g

<220>
<221> modified_base

<222> (24)..(24)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (26)..(26)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (29)..(32)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (34)..(34)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (42)..(42)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (44)..(319)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (47)..(317)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (328)..(328)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (333)..(334)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (336)..(340)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(342)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(342)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 574
gsnnnndurv ynnavnkcgd byynrnvbnn nnvnyyrcar mnbnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnb druucranyy yvnnhnnnnn yy 342

<210> 575
<211> 340
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (16)..(16)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (45)..(315)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (45)..(315)
<223> /note="This region may encompass 1-271 nucleotides"

<220>

<221> variation
<222> (1)..(340)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(340)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 575
gsgsryrkrg yubasnkgdk uaravyahuu grcyrcarau cmarnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnyyydr uucraruyyv gkuryychyy 340

<210> 576
<211> 340
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (16)..(16)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (45)..(315)
<223> a, c, u, or g

<220>
<221> misc_feature

<222> (45)..(315)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> variation
<222> (1)..(340)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(340)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 576
gggsryrkrg yuyasnugrk uagagcayuu gacugcarau cmarnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnyyyrr uucraauyyv gkurcycmyy 340

<210> 577
<211> 341
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (2)..(2)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (4)..(6)

<223> a, c, u, or g

<220>
<221> modified_base
<222> (12)..(13)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (16)..(16)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (20)..(21)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (24)..(24)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (28)..(31)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (33)..(33)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (40)..(41)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (43)..(319)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (46)..(316)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (327)..(327)
<223> a, c, u, or g

<220>

<221> modified_base
<222> (331)..(332)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (335)..(339)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(341)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(341)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 577
dnbnnnduvg bnnarnhggn nhanvvynnn nvnyubukrn nhnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnr ruuyvanyby nnbhnnnnnh d 341

<210> 578
<211> 340
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base

<222> (4)..(5)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (12)..(12)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (21)..(21)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (27)..(28)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (45)..(315)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (45)..(317)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (331)..(331)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (335)..(336)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(340)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(340)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of

substitutions and preferred embodiments"

<400> 578
kdbnnydugg ynbarkmggd navvrynnhb vryubukrrb hvdvnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnndrr uuyvadybyh nbhdnnvhmd 340

<210> 579
<211> 340
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (4)..(4)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (21)..(21)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (27)..(28)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (45)..(315)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (45)..(317)
<223> a, c, u, or g

<220>

<221> modified_base
<222> (331)..(331)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (336)..(336)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(340)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(340)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 579
kdbnvydugg ydbarumggk navvrynnws rryubukrab hsdvnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnndrr uuyvadysyh nbhdbnvhmk 340

<210> 580
<211> 342
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base

<222> (1)..(2)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (5)..(6)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (9)..(9)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (12)..(12)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (16)..(16)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (20)..(21)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (26)..(27)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (29)..(33)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (41)..(41)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (44)..(318)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (47)..(317)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (320)..(321)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (328)..(328)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (333)..(336)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (340)..(341)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(342)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(342)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 580
nnbbnndunr wnhrdnhygn nbhrdnnynn nnnvyuyusr nbvnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnbn nryubrwnyy hbnnnndvvn nd 342

<210> 581
<211> 340

<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (1)..(2)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (5)..(5)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (12)..(12)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (20)..(20)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (29)..(29)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (31)..(31)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (39)..(39)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (43)..(43)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (45)..(315)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (45)..(316)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (319)..(319)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (326)..(326)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (334)..(334)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (338)..(338)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(340)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(340)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 581
nnbynbdyrg unurdyagbn krrvvywbnb nvyuyusanb vhndnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnydnr yubrwnychb rkbndvvnvd 340

<210> 582
<211> 339
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<220>
<221> modified_base
<222> (1)..(1)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (28)..(28)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (30)..(30)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (42)..(42)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (44)..(314)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (44)..(314)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (318)..(318)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (333)..(333)

<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(339)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(339)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 582
ncsydbrugg usuakygshk rrsaywbnkn syuyucahbv mndnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnbyrnry uyrwyucyyr gbnwrsraw 339

<210> 583
<211> 342
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (4)..(7)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (12)..(12)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (16)..(16)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (21)..(22)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (26)..(26)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (29)..(34)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (41)..(319)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (47)..(317)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (328)..(328)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (333)..(338)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(342)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(342)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 583
rbvnnnnuvr ynyrrnyubd nnuadnrynn nnnnyybccv nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnv vsubbrwnhc bbnnnnnnbb yw 342

<210> 584
<211> 340
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (5)..(5)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (28)..(28)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (39)..(40)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (42)..(42)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (45)..(315)

<223> a, c, u, or g

<220>
<221> misc_feature
<222> (45)..(315)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (317)..(317)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (335)..(335)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(340)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(340)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 584
gbvbnsvurr udyrrdcggk dadmaudnhh rhyubccann ynkdnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnbnrgs uubrwuuccy ksbsnvygca 340

<210> 585
<211> 340
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (5)..(5)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (28)..(28)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (39)..(39)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (42)..(42)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (45)..(315)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (45)..(315)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (335)..(335)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(340)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(340)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 585
gyvynsvurr udyrrwcggk kadmaudnhh rhyubccand ynkdnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnbvrgs uuyrwuuccy ksbsnvygca 340

<210> 586
<211> 342
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (4)..(7)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (13)..(13)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (25)..(26)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (29)..(31)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (34)..(34)

<223> a, c, u, or g

<220>
<221> modified_base
<222> (42)..(42)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (45)..(317)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (47)..(317)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (319)..(320)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (328)..(328)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (332)..(333)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (336)..(338)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(342)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(342)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 586
kgynnnnduv gbnhagbyug ghyannvynn ndbnyugugr hnvhnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnvnn rgyucranyc ynnbhnnnvr ym 342

<210> 587
<211> 339
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (44)..(314)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (44)..(314)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> variation
<222> (1)..(339)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(339)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 587
gchrugaybg uayagkgguu asyacucugy gyuguggccr cagnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnncwyggy ucraaucyga gucaygrca 339

<210> 588
<211> 339
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (44)..(314)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (44)..(314)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> variation
<222> (1)..(339)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(339)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 588

gcmrugayyg uauagugguu agyacucugy gyuguggccr cagnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnncwyggu ucraaucyga gucaygrca 339

<210> 589
<211> 342
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<220>
<221> modified_base
<222> (1)..(1)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (4)..(5)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (7)..(7)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (17)..(17)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (31)..(32)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (34)..(34)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (37)..(37)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (42)..(320)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (47)..(317)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (328)..(329)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (332)..(334)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (336)..(339)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(342)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(342)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 589
nvsnnbndur gybyrrnywg gbhrdvrydb nnbnyunaur annnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn dsywydannc hnnnhnnnns ba 342

<210> 590
<211> 340
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (45)..(315)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (45)..(315)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (326)..(327)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (335)..(335)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(340)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(340)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>

<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 590
gsyybrkurg ykyrruyggy hagmgcrygk urcudauaay ryyrnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnryrrs ywydanncyc rymyngrsca 340

<210> 591
<211> 340
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (45)..(315)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (45)..(315)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> variation
<222> (1)..(340)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(340)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source

<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 591
gsyysrkurg ykcaruyggy hagmgcgygg urcudauaay rcyrnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnngygrg yucrabhcyc rymybgrsca 340

<210> 592
<211> 341
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (1)..(1)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (3)..(6)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (11)..(12)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (16)..(17)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (21)..(22)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (25)..(26)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (28)..(31)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (41)..(41)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (43)..(316)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (46)..(316)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (318)..(319)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (327)..(327)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (331)..(332)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (335)..(338)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (340)..(340)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(341)

<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(341)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 592
nbnnnndurs nnbarnnhgg nnddnnbnnn nvdhycauah nbnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnvnnr gdusdanhmy nnbhnnnnvn w 341

<210> 593
<211> 339
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (4)..(4)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (44)..(314)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (44)..(314)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> variation
<222> (1)..(339)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(339)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 593
rbcnbvkurg ygcagydggh agyryryyrg kyycauaahy yvrnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnsdkrgd usdadmmymw smbvbgsya 339

<210> 594
<211> 339
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (44)..(314)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (44)..(314)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> variation
<222> (1)..(339)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(339)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 594
rschbvkurg ygcagydggh agcryryyrg kyycauaayc yrrnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnswkrgw usdadmcymw smbvkgsya 339

<210> 595
<211> 342
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (2)..(7)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (9)..(12)
<223> a, c, u, or g

<220>

<221> modified_base
<222> (16)..(16)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (23)..(23)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (26)..(26)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (28)..(34)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (37)..(37)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (41)..(317)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (47)..(317)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (319)..(320)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (328)..(328)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (332)..(333)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (335)..(340)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(342)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(342)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 595
vnnnnnnunn nnvrrnhhgk hhndhnvnnn nnnnhynard nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnvnn vbyuhvanym bnnbnnnnnn br 342

<210> 596
<211> 342
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (6)..(6)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (33)..(33)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (41)..(41)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (43)..(43)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (46)..(317)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (47)..(317)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (319)..(319)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (328)..(328)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (333)..(333)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (336)..(336)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (340)..(340)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(342)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(342)

<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 596
rbbvvndurk hhsrrbhygk hhurwbrhdb hdnryuhard nynhdnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnvnv gbyuhvanym ybnbbnbbvn ya 342

<210> 597
<211> 342
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (6)..(6)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (33)..(33)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (43)..(43)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (46)..(317)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (47)..(317)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (319)..(319)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (333)..(333)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (336)..(336)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (340)..(340)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(342)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(342)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 597
rbbvvndurk hhsrrbhygk hhurwkrhdb hdnryuhard hynhdnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnvnv gbyuhvavym ybnbynbbvn ya 342

<210> 598
<211> 342
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (1)..(7)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (11)..(12)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (16)..(16)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (21)..(21)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (26)..(26)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (30)..(32)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (44)..(320)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (47)..(317)

<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (328)..(328)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (332)..(333)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (335)..(340)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(342)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(342)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 598
nnnnnnnurs nnharnhwrr nuudrnrydn nnsvyyyuum mbvnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn vryuyrwnhy bnnbnnnnnn hd 342

<210> 599
<211> 340
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (1)..(1)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (6)..(6)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (11)..(11)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (29)..(29)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (43)..(43)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (45)..(315)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (45)..(317)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (331)..(331)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (333)..(334)
<223> a, c, u, or g

<220>
<221> modified_base

<222> (336)..(336)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(340)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(340)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 599
nhvbdnvkrs nhharbhrrb udrdrydbnd gryyyuummy mhndnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnrgr yuyrwbyysy nbnnhndrhr 340

<210> 600
<211> 340
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> misc_feature
<222> (45)..(315)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (45)..(316)

<223> a, c, u, or g

<220>
<221> modified_base
<222> (333)..(333)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (336)..(336)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(340)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(340)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 600
vhvbrdvkas cwharuhrrb udrwrcrkvd gacuyuumau chswnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnndrgr yuyrwkyysy hbnhynkryr 340

<210> 601
<211> 341
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (4)..(6)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (29)..(31)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (33)..(33)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (41)..(41)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (43)..(318)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (46)..(316)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (327)..(327)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (331)..(332)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (335)..(338)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(341)
<223> /replace=" "

<220>
<221> misc_feature

<222> (1)..(341)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 601
kbbnnnduag yyyarhyugg bwwgrryrnn nbnyygaarv nbnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnbd guucranych nnbhnnnnvm a 341

<210> 602
<211> 340
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (45)..(315)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (45)..(315)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> variation
<222> (1)..(340)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(340)

<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 602
kbyvwrruwg yyyaruuggs uagrrydykr brcygaarry syhmnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnyckgg uucrayycys gguywbrvma 340

<210> 603
<211> 339
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (44)..(314)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (44)..(314)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> variation
<222> (1)..(339)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(339)
<223> /note="Variant nucleotides given in the sequence have no

preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 603
gcyrarauwg cucaruuggg agagyguuas acygaagauc uwmnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnycuggu ucrayycygg guuucrvca 339

<210> 604
<211> 342
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (4)..(6)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (16)..(16)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (21)..(21)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (29)..(34)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (37)..(37)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (41)..(320)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (47)..(317)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (328)..(328)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (331)..(334)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (336)..(338)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(342)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(342)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 604
sksnnnduvg bbyagnyygb nyyrdvvynn nnnnhunggr nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn dguucranyc nnnnhnnnbm sm 342

<210> 605
<211> 338
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (39)..(39)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (43)..(313)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (43)..(313)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> variation
<222> (1)..(338)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(338)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 605
ggcusguugg kcuagkgbur ugruucucrs yuhggrysnr agnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnncyggguu caaaucvyrg asgagccc 338

<210> 606
<211> 338
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (43)..(313)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (43)..(313)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> variation
<222> (1)..(338)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(338)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 606
ggcucguugg ucuagkggur ugruucucgs uuhggrysbg agnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnccggguu caaaucccgg acgagccc 338

<210> 607
<211> 342
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (2)..(7)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (9)..(13)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (16)..(16)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (21)..(21)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (25)..(28)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (30)..(34)
<223> a, c, u, or g

<220>

<221> modified_base
<222> (37)..(37)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (42)..(320)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (47)..(317)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (332)..(340)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(342)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(342)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 607
dnnnnnnynn nnnarnbhgg nbbannnndn nnnnyynswr mnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn rkuuyradyc ynnnnnnnnn bd 342

<210> 608
<211> 341
<212> RNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (2)..(5)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (36)..(36)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (46)..(316)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (46)..(316)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (319)..(319)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (331)..(331)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (335)..(336)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (338)..(339)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(341)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(341)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 608
knnnnbdurg chsarkbugg uuavdghrdb kdrcynswra ybmvdnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnvyng kuuyradycc nrbhnnbnny d 341

<210> 609
<211> 341
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (2)..(3)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (5)..(5)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (36)..(36)
<223> a, c, u, or g

<220>

<221> modified_base
<222> (46)..(316)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (46)..(316)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (335)..(336)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (338)..(339)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(341)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(341)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 609
knndnbrurg chsarkcugg uuavdghrwy krrcunswra yymrdnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnvydg guuyraaycc hrbynnynny k 341

<210> 610
<211> 341
<212> RNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (4)..(7)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (12)..(12)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (16)..(16)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (25)..(25)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (29)..(31)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (33)..(33)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (36)..(36)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (41)..(41)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (43)..(319)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (46)..(316)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (327)..(327)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (331)..(337)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (341)..(341)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(341)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(341)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 610
rbbnnnnurg ynhadnhykg hyrdnryrnn nsnhynguwa nsnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnd gwyyvanbyh nnnnnnnrvy n 341

<210> 611
<211> 340

<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (4)..(4)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (6)..(6)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (12)..(12)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (24)..(24)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (45)..(315)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (45)..(315)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (317)..(317)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (326)..(326)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (331)..(332)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (334)..(334)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (336)..(336)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(340)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(340)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 611
rbbnbnduvg ynharbyggh yrdnryryhb sbcyhguwav svdrnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnvndrg wuyvanbyyh nnbndnrvyb 340

<210> 612
<211> 340
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (4)..(4)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (6)..(6)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (12)..(12)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (24)..(24)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (45)..(315)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (45)..(315)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (326)..(326)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (332)..(332)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (334)..(334)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (336)..(336)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(340)

<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(340)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 612
rsynbnduvg ynharbuggh yrdnryryhk sbcyhguaav smdrnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnvhdrg wuyvanbyyh dnbndnrsyu 340

<210> 613
<211> 342
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (4)..(6)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (29)..(32)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (34)..(34)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (42)..(42)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (44)..(317)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (47)..(317)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (319)..(319)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (321)..(321)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (328)..(328)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (333)..(333)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (336)..(338)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(342)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(342)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 613
rvvnnndurr ybhhrhyhgg hyuadvvynn nnrnbuccav anbnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnvnr nguucranyc hynbhnnnbb hd 342

<210> 614
<211> 339
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (44)..(314)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (44)..(314)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> variation
<222> (1)..(339)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(339)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>

<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 614
grmmkvrkgg ysmaryuggh arssykkybr rsuccasakb vrwnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnsygkgu ucradycmcr kyksbgyma 339

<210> 615
<211> 339
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (44)..(314)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (44)..(314)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> variation
<222> (1)..(339)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(339)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source

<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 615
grmmkvrkgg ysmaryuggh arssykkybr rsuccasakb vrwnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnsygkgu ucradycmcr kyksbgyma 339

<210> 616
<211> 342
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (3)..(6)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (9)..(10)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (12)..(13)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (16)..(16)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (25)..(26)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (30)..(32)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (42)..(42)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (44)..(317)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (47)..(317)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (319)..(320)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (328)..(328)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (332)..(333)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (336)..(340)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(342)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(342)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>

<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 616
bbnnnndunn ynnarnyugs yhwrnnrbdn nnrdcuruar vnynnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnvnn vgwuyranuc bnnbhnnnnn vd 342

<210> 617
<211> 340
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (45)..(315)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (45)..(315)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (336)..(336)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(340)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(340)
<223> /note="Variant nucleotides given in the sequence have no

preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 617
bbkkbdauag yucagbugsy uagagydkwk racuruagrk ymwknnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnscugg wuyrahucyr rsubsnmsvd 340

<210> 618
<211> 340
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (45)..(315)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (45)..(315)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> variation
<222> (1)..(340)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(340)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations

for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of substitutions and preferred embodiments"

<400> 618
bbkksdauag yucagyuggy uagagcdkwk gacuruagrk ymwknnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnscugg uuyrawuccr rsuysdmsva 340

<210> 619
<211> 341
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic polynucleotide"

<220>
<221> modified_base
<222> (2)..(2)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (4)..(7)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (12)..(12)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (15)..(16)
<223> a, c, u, or g

<220>

<221> modified_base
<222> (21)..(21)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (24)..(25)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (28)..(28)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (30)..(33)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (36)..(36)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (40)..(319)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (46)..(316)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (327)..(327)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (330)..(339)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(341)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(341)
<223> /note="Variant nucleotides given in the sequence have no

preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 619
dndnnnnuvr ynbrnnhugk nyannrynbn nnnhunacrn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnd rdubranhyn nnnnnnnnny v 341

<210> 620
<211> 340
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (15)..(16)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (24)..(24)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (27)..(27)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (29)..(30)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (41)..(43)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (45)..(315)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (45)..(315)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (317)..(318)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (326)..(326)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (330)..(330)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (333)..(333)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(340)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(340)
<223> /note="Variant nucleotides given in the sequence have no
preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 620

kbkbshdurr ydbrnnhgku yadnrynynn dhyuhacrhk nnnrnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnbnnrr dubranhybn dvndsdwvyv 340

<210> 621
<211> 340
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
polynucleotide"

<220>
<221> modified_base
<222> (45)..(315)
<223> a, c, u, or g

<220>
<221> misc_feature
<222> (45)..(315)
<223> /note="This region may encompass 1-271 nucleotides"

<220>
<221> modified_base
<222> (317)..(318)
<223> a, c, u, or g

<220>
<221> modified_base
<222> (330)..(330)
<223> a, c, u, or g

<220>
<221> variation
<222> (1)..(340)
<223> /replace=" "

<220>
<221> misc_feature
<222> (1)..(340)
<223> /note="Variant nucleotides given in the sequence have no

preference with respect to those in the annotations
for variant positions"

<220>
<221> source
<223> /note="See specification as filed for detailed description of
substitutions and preferred embodiments"

<400> 621
kbkbsydurg ydbrbhugku yadhryvyhh dyyuhacahk hddrnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnbnngr dubradhyyn dvhrsdwvya 340

<210> 622
<211> 76
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 622
ggcuccgugg cgcaauggau agcgcauugg acuucaaauu caaagguucc ggguucgagu 60

cccggcggag ucgcca 76

<210> 623
<211> 77
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 623
gggcuccgug gcgcaaugga uagcgcauug gacuucaaau ucaaagguuc cggguucgag 60

ucccggcgga gucgcca 77

<210> 624
<211> 76
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 624
ggcuccgugg cgcaauggau agcgcauugg acuucaaauu caaagguucc ggguucgagu 60

cccggcggag ucgcca 76

<210> 625
<211> 76
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 625
ggcuccgugg cgcaauggau agcgcauugg acuucaaauu caaagguucc ggguucgagu 60

cccggcggag ucgcca 76

<210> 626
<211> 76
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 626
ggcuccgugg cgcaauggau agcgcauugg acuucaaauu caaagguucc ggguucgagu 60

cccggcggag ucgcca 76

<210> 627
<211> 76
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 627
ggcuccgugg cgcaauggau agcgcauugg acuucaaauu caaagguucc ggguucgagu 60

cccggcggag ucgcca 76

<210> 628
<211> 76
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 628
ggcuccgugg cgcaauggau agcgcauugg acuucaaauu caaagguucc ggguucgagu 60

cccggcggag ucgcca 76

<210> 629
<211> 76
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 629
ggcuccgugg cgcaauggau agcgcauugg acuucaaauu caaagguucc ggguucgagu 60

cccggcggag ucgcca 76

<210> 630
<211> 76
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 630
ggcuccgugg cgcaauggau agcgcauugg acuucaaauu caaagguucc ggguucgagu 60

cccggcggag ucgcca 76

<210> 631
<211> 76
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 631
ggcuccgugg cgcaauggau agcgcauugg acuucaaauu caaagguucc ggguucgagu 60

cccggcggag ucgcca 76

<210> 632
<211> 76
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 632
ggcuccgugg cgcaauggau agcgcauugg acuucaaauu caaagguucc ggguucgagu 60

cccggcggag ucgcca 76

<210> 633
<211> 75
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 633
gguuccaugg uguaauggua agcacucugg acuuuaaauc cagcgauccg aguucgaguc 60

ucgguggaac cucca 75

<210> 634
<211> 75
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 634
gguuccaugg uguaauggua agcacucugg acuuuaaauc cagcgauccg aguucgaguc 60

ucgguggaac cucca 75

<210> 635
<211> 75
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 635
gguuccaugg uguaauggua agcacucugg acuuuaaauc cagcgauccg aguucgaguc 60

ucgguggaac cucca 75

<210> 636
<211> 75
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 636
gguuccaugg uguaauggua agcacucugg acuuuaaauc cagcgauccg aguucgaguc 60

ucgguggaac cucca 75

<210> 637
<211> 75
<212> RNA

<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 637
gguuccaugg uguaauggua agcacucugg acuuuaaauc cagcgauccg aguucgaguc 60

ucgguggaac cucca 75

<210> 638
<211> 75
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 638
gguuccaugg uguaauggua agcacucugg acuuuaaauc cagcgauccg aguucgaguc 60

ucgguggaac cucca 75

<210> 639
<211> 75
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 639
gguuccaugg uguaauggua agcacucugg acuuuaaauc cagcgauccg aguucgaguc 60

ucgguggaac cucca 75

<210> 640
<211> 75
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

oligonucleotide"

<400> 640
gguuccaugg uguaauggua agcacucugg acuuuaaauc cagcgauccg aguucgaguc 60

ucgguggaac cucca 75

<210> 641
<211> 85
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 641
gacgaggugg ccgagugguu aaggcgaugg acucuaaauc cauugugcuc ugcacgcgug 60

gguucgaauc ccauccucgu cgcca 85

<210> 642
<211> 85
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 642
gacgaggugg ccgagugguu aaggcgaugg acucuaaauc cauugugcuc ugcacgcgug 60

gguucgaauc ccauccucgu cgcca 85

<210> 643
<211> 85
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 643
gacgaggugg ccgagugguu aaggcgaugg acucuaaauc cauugugcuc ugcacgcgug 60

gguucgaauc ccauccucgu cgcca 85

<210> 644
<211> 85
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 644
gacgaggugg ccgagugguu aaggcgaugg acucuaaauc cauugugcuc ugcacgcgug 60

gguucgaauc ccauccucgu cgcca 85

<210> 645
<211> 85
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 645
gacgaggugg ccgagugguu aaggcgaugg acucuaaauc cauugugcuc ugcacgcgug 60

gguucgaauc ccauccucgu cgcca 85

<210> 646
<211> 85
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 646
gacgaggugg ccgagugguu aaggcgaugg acucuaaauc cauugugcuc ugcacgcgug 60

gguucgaauc ccauccucgu cgcca 85

<210> 647
<211> 85

<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 647
gacgaggugg ccgagugguu aaggcgaugg acucuaaauc cauugugcuc ugcacgcgug 60

gguucgaauc ccauccucgu cgcca 85

<210> 648
<211> 85
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 648
gacgaggugg ccgagugguu aaggcgaugg acucuaaauc cauugugcuc ugcacgcgug 60

gguucgaauc ccauccucgu cgcca 85

<210> 649
<211> 85
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 649
gacgaggugg ccgagugguu aaggcgaugg acucuaaauc cauugugcuc ugcacgcgug 60

gguucgaauc ccauccucgu cgcca 85

<210> 650
<211> 75
<212> RNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 650
gguuccaugg uguaauggua agcacucugg acuuuaaauc cagcgauccg aguucgaguc 60

ucgguggaac cucca 75

<210> 651
<211> 75
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 651
gguuccaugg uguaauggua agcacucugg acuuuaaauc cagcgauccg aguucgaguc 60

ucgguggaac cucca 75

<210> 652
<211> 75
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 652
gguuccaugg uguaauggua agcacucugg acuuuaaauc cagcgauccg aguucgaguc 60

ucgguggaac cucca 75

<210> 653
<211> 85
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 653
gacgaggugg ccgagugguu aaggcgaugg acucuaaauc cauugugcuc ugcacgcgug 60

gguucgaauc ccauccucgu cgcca 85

<210> 654
<211> 85
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 654
gacgaggugg ccgagugguu aaggcgaugg acucuaaauc cauugugcuc ugcacgcgug 60

gguucgaauc ccauccucgu cgcca 85

<210> 655

<400> 655
000

<210> 656

<400> 656
000

<210> 657

<400> 657
000

<210> 658

<400> 658
000

<210> 659

<400> 659
000

<210> 660

<400> 660

000

<210> 661

<400> 661
000

<210> 662

<400> 662
000

<210> 663

<400> 663
000

<210> 664

<400> 664
000

<210> 665

<400> 665
000

<210> 666

<400> 666
000

<210> 667

<400> 667
000

<210> 668

<400> 668
000

<210> 669

<400> 669
000

<210> 670

<400> 670
000

<210> 671

<400> 671
000

<210> 672

<400> 672
000

<210> 673

<400> 673
000

<210> 674

<400> 674
000

<210> 675

<400> 675
000

<210> 676

<400> 676
000

<210> 677

<400> 677
000

<210> 678

<400> 678
000

<210> 679

<400> 679
000

<210> 680

<400> 680
000

<210> 681

<400> 681
000

<210> 682

<400> 682
000

<210> 683

<400> 683
000

<210> 684

<400> 684
000

<210> 685

<400> 685
000

<210> 686

<400> 686
000

<210> 687

<400> 687
000

<210> 688

<400> 688
000

<210> 689

<400> 689
000

<210> 690

<400> 690
000

<210> 691

<400> 691
000

<210> 692

<400> 692
000

<210> 693

<400> 693
000

<210> 694

<400> 694
000

<210> 695

<400> 695
000

<210> 696

<400> 696
000

<210> 697

<400> 697
000

<210> 698

<400> 698
000

<210> 699

<400> 699
000

<210> 700

<400> 700
000

<210> 701

<400> 701
000

<210> 702

<400> 702
000

<210> 703

<400> 703
000

<210> 704

<400> 704
000

<210> 705

<400> 705
000

<210> 706

<400> 706
000

<210> 707

<400> 707
000

<210> 708

<400> 708
000

<210> 709

<400> 709
000

<210> 710

<400> 710
000

<210> 711

<400> 711
000

<210> 712

<400> 712
000

<210> 713

<400> 713

000

<210> 714

<400> 714
000

<210> 715

<400> 715
000

<210> 716

<400> 716
000

<210> 717

<400> 717
000

<210> 718

<400> 718
000

<210> 719

<400> 719
000

<210> 720

<400> 720
000

<210> 721

<400> 721
000

<210> 722

<400> 722
000

<210> 723

<400> 723
000

<210> 724

<400> 724
000

<210> 725

<400> 725
000

<210> 726

<400> 726
000

<210> 727

<400> 727
000

<210> 728

<400> 728
000

<210> 729

<400> 729
000

<210> 730

<400> 730
000

<210> 731

<400> 731
000

<210> 732

<400> 732
000

<210> 733

<400> 733
000

<210> 734

<400> 734
000

<210> 735

<400> 735
000

<210> 736

<400> 736
000

<210> 737

<400> 737
000

<210> 738

<400> 738
000

<210> 739

<400> 739
000

<210> 740

<400> 740
000

<210> 741

<400> 741
000

<210> 742

<400> 742
000

<210> 743

<400> 743
000

<210> 744

<400> 744
000

<210> 745

<400> 745
000

<210> 746

<400> 746
000

<210> 747

<400> 747
000

<210> 748

<400> 748
000

<210> 749

<400> 749
000

<210> 750

<400> 750
000

<210> 751

<400> 751
000

<210> 752

<400> 752
000

<210> 753

<400> 753
000

<210> 754

<400> 754
000

<210> 755

<400> 755
000

<210> 756

<400> 756
000

<210> 757

<400> 757
000

<210> 758

<400> 758
000

<210> 759

<400> 759
000

<210> 760

<400> 760
000

<210> 761

<400> 761
000

<210> 762

<400> 762
000

<210> 763

<400> 763
000

<210> 764

<400> 764
000

<210> 765

<400> 765
000

<210> 766

<400> 766

000

<210> 767

<400> 767
000

<210> 768

<400> 768
000

<210> 769

<400> 769
000

<210> 770

<400> 770
000

<210> 771

<400> 771
000

<210> 772

<400> 772
000

<210> 773

<400> 773
000

<210> 774

<400> 774
000

<210> 775

<400> 775
000

<210> 776

<400> 776
000

<210> 777

<400> 777
000

<210> 778

<400> 778
000

<210> 779

<400> 779
000

<210> 780

<400> 780
000

<210> 781

<400> 781
000

<210> 782

<400> 782
000

<210> 783

<400> 783
000

<210> 784

<400> 784
000

<210> 785

<400> 785
000

<210> 786

<400> 786
000

<210> 787

<400> 787
000

<210> 788

<400> 788
000

<210> 789

<400> 789
000

<210> 790

<400> 790
000

<210> 791

<400> 791
000

<210> 792

<400> 792
000

<210> 793

<400> 793
000

<210> 794

<400> 794
000

<210> 795

<400> 795
000

<210> 796

<400> 796
000

<210> 797

<400> 797
000

<210> 798

<400> 798
000

<210> 799

<400> 799
000

<210> 800

<400> 800
000

<210> 801

<400> 801
000

<210> 802

<400> 802
000

<210> 803

<400> 803
000

<210> 804

<400> 804
000

<210> 805

<400> 805
000

<210> 806

<400> 806
000

<210> 807

<400> 807
000

<210> 808

<400> 808
000

<210> 809

<400> 809
000

<210> 810

<400> 810
000

<210> 811

<400> 811
000

<210> 812

<400> 812
000

<210> 813

<400> 813
000

<210> 814

<400> 814
000

<210> 815

<400> 815
000

<210> 816

<400> 816
000

<210> 817

<400> 817
000

<210> 818

<400> 818
000

<210> 819

<400> 819

000

<210> 820

<400> 820
000

<210> 821

<400> 821
000

<210> 822

<400> 822
000

<210> 823

<400> 823
000

<210> 824

<400> 824
000

<210> 825

<400> 825
000

<210> 826

<400> 826
000

<210> 827

<400> 827
000

<210> 828

<400> 828
000

<210> 829

<400> 829
000

<210> 830

<400> 830
000

<210> 831

<400> 831
000

<210> 832

<400> 832
000

<210> 833

<400> 833
000

<210> 834

<400> 834
000

<210> 835

<400> 835
000

<210> 836

<400> 836
000

<210> 837

<400> 837
000

<210> 838

<400> 838
000

<210> 839

<400> 839
000

<210> 840

<400> 840
000

<210> 841

<400> 841
000

<210> 842

<400> 842
000

<210> 843

<400> 843
000

<210> 844

<400> 844
000

<210> 845

<400> 845
000

<210> 846

<400> 846
000

<210> 847

<400> 847
000

<210> 848

<400> 848
000

<210> 849

<400> 849
000

<210> 850

<400> 850
000

<210> 851

<400> 851
000

<210> 852

<400> 852
000

<210> 853

<400> 853
000

<210> 854

<400> 854
000

<210> 855

<400> 855
000

<210> 856

<400> 856
000

<210> 857

<400> 857
000

<210> 858

<400> 858
000

<210> 859

<400> 859
000

<210> 860

<400> 860
000

<210> 861

<400> 861
000

<210> 862

<400> 862
000

<210> 863

<400> 863
000

<210> 864

<400> 864
000

<210> 865

<400> 865
000

<210> 866

<400> 866
000

<210> 867

<400> 867
000

<210> 868

<400> 868
000

<210> 869

<400> 869
000

<210> 870

<400> 870
000

<210> 871

<400> 871
000

<210> 872

<400> 872

000

<210> 873

<400> 873
000

<210> 874

<400> 874
000

<210> 875

<400> 875
000

<210> 876

<400> 876
000

<210> 877

<400> 877
000

<210> 878

<400> 878
000

<210> 879

<400> 879
000

<210> 880

<400> 880
000

<210> 881

<400> 881
000

<210> 882

<400> 882
000

<210> 883

<400> 883
000

<210> 884

<400> 884
000

<210> 885

<400> 885
000

<210> 886

<400> 886
000

<210> 887

<400> 887
000

<210> 888

<400> 888
000

<210> 889

<400> 889
000

<210> 890

<400> 890
000

<210> 891

<400> 891
000

<210> 892

<400> 892
000

<210> 893

<400> 893
000

<210> 894

<400> 894
000

<210> 895

<400> 895
000

<210> 896

<400> 896
000

<210> 897

<400> 897
000

<210> 898

<400> 898
000

<210> 899

<400> 899
000

<210> 900

<400> 900
000

<210> 901

<400> 901
000

<210> 902

<400> 902
000

<210> 903

<400> 903
000

<210> 904

<400> 904
000

<210> 905

<400> 905
000

<210> 906

<400> 906
000

<210> 907

<400> 907
000

<210> 908

<400> 908
000

<210> 909

<400> 909
000

<210> 910

<400> 910
000

<210> 911

<400> 911
000

<210> 912

<400> 912
000

<210> 913

<400> 913
000

<210> 914

<400> 914
000

<210> 915

<400> 915
000

<210> 916

<400> 916
000

<210> 917

<400> 917
000

<210> 918

<400> 918
000

<210> 919

<400> 919
000

<210> 920

<400> 920
000

<210> 921

<400> 921
000

<210> 922

<400> 922
000

<210> 923

<400> 923
000

<210> 924

<400> 924
000

<210> 925

<400> 925

000

<210> 926

<400> 926
000

<210> 927

<400> 927
000

<210> 928

<400> 928
000

<210> 929

<400> 929
000

<210> 930

<400> 930
000

<210> 931

<400> 931
000

<210> 932

<400> 932
000

<210> 933

<400> 933
000

<210> 934

<400> 934
000

<210> 935

<400> 935
000

<210> 936

<400> 936
000

<210> 937

<400> 937
000

<210> 938

<400> 938
000

<210> 939

<400> 939
000

<210> 940

<400> 940
000

<210> 941

<400> 941
000

<210> 942

<400> 942
000

<210> 943

<400> 943
000

<210> 944

<400> 944
000

<210> 945

<400> 945
000

<210> 946

<400> 946
000

<210> 947

<400> 947
000

<210> 948

<400> 948
000

<210> 949

<400> 949
000

<210> 950

<400> 950
000

<210> 951

<400> 951
000

<210> 952

<400> 952
000

<210> 953

<400> 953
000

<210> 954

<400> 954
000

<210> 955

<400> 955
000

<210> 956

<400> 956
000

<210> 957

<400> 957
000

<210> 958

<400> 958
000

<210> 959

<400> 959
000

<210> 960

<400> 960
000

<210> 961

<400> 961
000

<210> 962

<400> 962
000

<210> 963

<400> 963
000

<210> 964

<400> 964
000

<210> 965

<400> 965
000

<210> 966

<400> 966
000

<210> 967

<400> 967
000

<210> 968

<400> 968
000

<210> 969

<400> 969
000

<210> 970

<400> 970
000

<210> 971

<400> 971
000

<210> 972

<400> 972
000

<210> 973

<400> 973
000

<210> 974

<400> 974
000

<210> 975

<400> 975
000

<210> 976

<400> 976
000

<210> 977

<400> 977
000

<210> 978

<400> 978

000

<210> 979

<400> 979
000

<210> 980

<400> 980
000

<210> 981

<400> 981
000

<210> 982

<400> 982
000

<210> 983

<400> 983
000

<210> 984

<400> 984
000

<210> 985

<400> 985
000

<210> 986

<400> 986
000

<210> 987

<400> 987
000

<210> 988

<400> 988
000

<210> 989

<400> 989
000

<210> 990

<400> 990
000

<210> 991

<400> 991
000

<210> 992

<400> 992
000

<210> 993

<400> 993
000

<210> 994

<400> 994
000

<210> 995

<400> 995
000

<210> 996

<400> 996
000

<210> 997

<400> 997
000

<210> 998

<400> 998
000

<210> 999

<400> 999
000

<210> 1000

<400> 1000
000

<210> 1001

<400> 1001
000

<210> 1002

<400> 1002
000

<210> 1003

<400> 1003
000

<210> 1004

<400> 1004
000

<210> 1005

<400> 1005
000

<210> 1006

<400> 1006
000

<210> 1007

<400> 1007
000

<210> 1008

<400> 1008
000

<210> 1009

<400> 1009
000

<210> 1010

<400> 1010
000

<210> 1011

<400> 1011
000

<210> 1012

<400> 1012
000

<210> 1013

<400> 1013
000

<210> 1014

<400> 1014
000

<210> 1015

<400> 1015
000

<210> 1016

<400> 1016
000

<210> 1017

<400> 1017
000

<210> 1018

<400> 1018
000

<210> 1019

<400> 1019
000

<210> 1020

<400> 1020
000

<210> 1021

<400> 1021
000

<210> 1022

<400> 1022
000

<210> 1023

<400> 1023
000

<210> 1024

<400> 1024
000

<210> 1025

<400> 1025
000

<210> 1026

<400> 1026
000

<210> 1027

<400> 1027
000

<210> 1028

<400> 1028
000

<210> 1029

<400> 1029
000

<210> 1030

<400> 1030
000

<210> 1031

<400> 1031

000

<210> 1032

<400> 1032
000

<210> 1033

<400> 1033
000

<210> 1034

<400> 1034
000

<210> 1035

<400> 1035
000

<210> 1036

<400> 1036
000

<210> 1037

<400> 1037
000

<210> 1038

<400> 1038
000

<210> 1039

<400> 1039
000

<210> 1040

<400> 1040
000

<210> 1041

<400> 1041
000

<210> 1042

<400> 1042
000

<210> 1043

<400> 1043
000

<210> 1044

<400> 1044
000

<210> 1045

<400> 1045
000

<210> 1046

<400> 1046
000

<210> 1047

<400> 1047
000

<210> 1048

<400> 1048
000

<210> 1049

<400> 1049
000

<210> 1050

<400> 1050
000

<210> 1051

<400> 1051
000

<210> 1052

<400> 1052
000

<210> 1053

<400> 1053
000

<210> 1054

<400> 1054
000

<210> 1055

<400> 1055
000

<210> 1056

<400> 1056
000

<210> 1057

<400> 1057
000

<210> 1058

<400> 1058
000

<210> 1059

<400> 1059
000

<210> 1060

<400> 1060
000

<210> 1061

<400> 1061
000

<210> 1062

<400> 1062
000

<210> 1063

<400> 1063
000

<210> 1064

<400> 1064
000

<210> 1065

<400> 1065
000

<210> 1066

<400> 1066
000

<210> 1067

<400> 1067
000

<210> 1068

<400> 1068
000

<210> 1069

<400> 1069
000

<210> 1070

<400> 1070
000

<210> 1071

<400> 1071
000

<210> 1072

<400> 1072
000

<210> 1073

<400> 1073
000

<210> 1074

<400> 1074
000

<210> 1075

<400> 1075
000

<210> 1076

<400> 1076
000

<210> 1077

<400> 1077
000

<210> 1078

<400> 1078
000

<210> 1079

<400> 1079
000

<210> 1080

<400> 1080
000

<210> 1081

<400> 1081
000

<210> 1082

<400> 1082
000

<210> 1083

<400> 1083
000

<210> 1084

<400> 1084

000

<210> 1085

<400> 1085
000

<210> 1086

<400> 1086
000

<210> 1087

<400> 1087
000

<210> 1088

<400> 1088
000

<210> 1089

<400> 1089
000

<210> 1090

<400> 1090
000

<210> 1091

<400> 1091
000

<210> 1092

<400> 1092
000

<210> 1093

<400> 1093
000

<210> 1094

<400> 1094
000

<210> 1095

<400> 1095
000

<210> 1096

<400> 1096
000

<210> 1097

<400> 1097
000

<210> 1098

<400> 1098
000

<210> 1099

<400> 1099
000

<210> 1100

<400> 1100
000

<210> 1101

<400> 1101
000

<210> 1102

<400> 1102
000

<210> 1103

<400> 1103
000

<210> 1104

<400> 1104
000

<210> 1105

<400> 1105
000

<210> 1106

<400> 1106
000

<210> 1107

<400> 1107
000

<210> 1108

<400> 1108
000

<210> 1109

<400> 1109
000

<210> 1110

<400> 1110
000

<210> 1111

<400> 1111
000

<210> 1112

<400> 1112
000

<210> 1113

<400> 1113
000

<210> 1114

<400> 1114
000

<210> 1115

<400> 1115
000

<210> 1116

<400> 1116
000

<210> 1117

<400> 1117
000

<210> 1118

<400> 1118
000

<210> 1119

<400> 1119
000

<210> 1120

<400> 1120
000

<210> 1121

<400> 1121
000

<210> 1122

<400> 1122
000

<210> 1123

<400> 1123
000

<210> 1124

<400> 1124
000

<210> 1125

<400> 1125
000

<210> 1126

<400> 1126
000

<210> 1127

<400> 1127
000

<210> 1128

<400> 1128
000

<210> 1129

<400> 1129
000

<210> 1130

<400> 1130
000

<210> 1131

<400> 1131
000

<210> 1132

<400> 1132
000

<210> 1133

<400> 1133
000

<210> 1134

<400> 1134
000

<210> 1135

<400> 1135
000

<210> 1136

<400> 1136
000

<210> 1137

<400> 1137

000

<210> 1138

<400> 1138
000

<210> 1139

<400> 1139
000

<210> 1140

<400> 1140
000

<210> 1141

<400> 1141
000

<210> 1142

<400> 1142
000

<210> 1143

<400> 1143
000

<210> 1144

<400> 1144
000

<210> 1145

<400> 1145
000

<210> 1146

<400> 1146
000

<210> 1147

<400> 1147
000

<210> 1148

<400> 1148
000

<210> 1149

<400> 1149
000

<210> 1150

<400> 1150
000

<210> 1151

<400> 1151
000

<210> 1152

<400> 1152
000

<210> 1153

<400> 1153
000

<210> 1154

<400> 1154
000

<210> 1155

<400> 1155
000

<210> 1156

<400> 1156
000

<210> 1157

<400> 1157
000

<210> 1158

<400> 1158
000

<210> 1159

<400> 1159
000

<210> 1160

<400> 1160
000

<210> 1161

<400> 1161
000

<210> 1162

<400> 1162
000

<210> 1163

<400> 1163
000

<210> 1164

<400> 1164
000

<210> 1165

<400> 1165
000

<210> 1166

<400> 1166
000

<210> 1167

<400> 1167
000

<210> 1168

<400> 1168
000

<210> 1169

<400> 1169
000

<210> 1170

<400> 1170
000

<210> 1171

<400> 1171
000

<210> 1172

<400> 1172
000

<210> 1173

<400> 1173
000

<210> 1174

<400> 1174
000

<210> 1175

<400> 1175
000

<210> 1176

<400> 1176
000

<210> 1177

<400> 1177
000

<210> 1178

<400> 1178
000

<210> 1179

<400> 1179
000

<210> 1180

<400> 1180
000

<210> 1181

<400> 1181
000

<210> 1182

<400> 1182
000

<210> 1183

<400> 1183
000

<210> 1184

<400> 1184
000

<210> 1185

<400> 1185
000

<210> 1186

<400> 1186
000

<210> 1187

<400> 1187
000

<210> 1188

<400> 1188
000

<210> 1189

<400> 1189
000

<210> 1190

<400> 1190

000

<210> 1191

<400> 1191
000

<210> 1192

<400> 1192
000

<210> 1193

<400> 1193
000

<210> 1194

<400> 1194
000

<210> 1195

<400> 1195
000

<210> 1196

<400> 1196
000

<210> 1197

<400> 1197
000

<210> 1198

<400> 1198
000

<210> 1199

<400> 1199
000

<210> 1200
<211> 73
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1200
ggggaattag ctcaagtggt agagcgcttg cttagcatgc aagaggtagt gggatcgatg 60

cccacattct cca 73

<210> 1201
<211> 72
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1201
ggggatgtag ctcagtggta gagcgcatgc ttcgcatgta tgaggtcccg ggttcgatcc 60

ccggcatctc ca 72

<210> 1202
<211> 72
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1202
gggggtgtag ctcagtggta gagcgcatgc tttgcatgta tgaggccccg ggttcgatcc 60

ccggcacctc ca 72

<210> 1203

<211> 73
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1203
gggccagtgg cgcaatggat aacgcgtctg actacggatc agaagattcc aggttcgact 60

cctggctggc tcg 73

<210> 1204
<211> 73
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1204
ggccgcgtgg cctaatggat aaggcgtctg attccggatc agaagattga gggttcgagt 60

cccttcgtgg tcg 73

<210> 1205
<211> 73
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1205
gccccagtgg cctaatggat aaggcactgg cctcctaagc cagggattgt gggttcgagt 60

cccacctggg gta 73

<210> 1206
<211> 73
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1206
gaccgcgtgg cctaatggat aaggcgtctg acttcggatc agaagattga gggttcgagt 60

ccctccgtgg tcg 73

<210> 1207
<211> 74
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (21)..(21)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (65)..(65)
<223> a, c, t, g, unknown or other

<400> 1207
ggctctgtgg cgcaatggat nagcgcattg gacttctaat tcaaaggttg cgggttcgag 60

tcccnccaga gtcg 74

<210> 1208
<211> 75
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (43)..(43)
<223> a, c, t, g, unknown or other

<400> 1208
gtctctgtgg cgcaatcggt tagcgcgttc ggctgttaac cgnaaaggtt ggtggttcga 60

gcccacccag ggacg 75

<210> 1209
<211> 72
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 1209
tcctcgttag tatagtggtg agtatccccg cctgtcacgc gggagaccgg ggttcgattc 60

cccgacgggg ag 72

<210> 1210
<211> 73
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<220>
<221> modified_base
<222> (16)..(16)
<223> a, c, t, g, unknown or other

<400> 1210
gggggtatag ctcagngggt agagcatttg actgcagatc aagaggtccc cggttcaaat 60

ccgggtgccc cct 73

<210> 1211
<211> 72
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<220>
<221> modified_base
<222> (20)..(20)
<223> a, c, t, g, unknown or other

<400> 1211
ggttccatgg tgtaatggtn agcactctgg actctgaatc cagcgatccg agttcaagtc 60

tcggtggaac ct 72

<210> 1212
<211> 72
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1212
ggtcccatgg tgtaatggtt agcactctgg actttgaatc cagcgatccg agttcaaatc 60

tcggtgggac ct 72

<210> 1213
<211> 72
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1213
tccctggtgg tctagtggtt aggattcggc gctctcaccg ccgcggcccg ggttcgattc 60

ccggtcaggg aa 72

<210> 1214
<211> 72
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

oligonucleotide"

<220>
<221> modified_base
<222> (42)..(42)
<223> a, c, t, g, unknown or other

<400> 1214
tccctggtgg tctagtggct aggattcggc gctttcaccg cngcggcccg ggttcgattc 60

ccggtcaggg aa 72

<210> 1215
<211> 71
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (40)..(40)
<223> a, c, t, g, unknown or other

<400> 1215
gcattggtgg ttcagtggta gaattctcgc ctcccacgcn ggagacccgg gttcgattcc 60

cggccaatgc a 71

<210> 1216
<211> 71
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1216
gcattggtgg ttcagtggta gaattctcgc ctgccacgcg ggaggcccgg gttcgattcc 60

cggccaatgc a 71

<210> 1217

<211> 72
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1217
gcgttggtgg tatagtggtg agcatagctg ccttccaagc agttgacccg ggttcgattc 60

ccggccaacg ca 72

<210> 1218
<211> 74
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1218
ggccggttag ctcagttggt tagagcgtgg tgctaataac gccaaggtcg cgggttcgat 60

ccccgtacgg gcca 74

<210> 1219
<211> 74
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1219
gctccagtgg cgcaatcggt tagcgcgcgg tacttataat gccgaggttg tgagttcgag 60

cctcacctgg agca 74

<210> 1220
<211> 82
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1220
ggtagcgtgg ccgagcggtc taaggcgctg gattaaggct ccagtctctt cgggggcgtg 60

ggttcgaatc ccaccgctgc ca 82

<210> 1221
<211> 85
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (21)..(21)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (52)..(52)
<223> a, c, t, g, unknown or other

<400> 1221
gtcaggatgg ccgagtggtc ntaaggcgcc agactcaagt tctggtctcc gnatggaggc 60

gtgggttcga atcccacttc tgaca 85

<210> 1222
<211> 83
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1222
gtcaggatgg ccgagcggtc taaggcgctg cgttcaggtc gcagtctccc ctggaggcgt 60

gggttcgaat cccactcctg aca 83

<210> 1223
<211> 83
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1223
accaggatgg ccgagtggtt aaggcgttgg acttaagatc caatggacag atgtccgcgt 60

gggttcgaac cccactcctg gta 83

<210> 1224
<211> 82
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (54)..(54)
<223> a, c, t, g, unknown or other

<400> 1224
ggtagcgtgg ccgagcggtc taaggcgctg gatttaggct ccagtctctt cggnggcgtg 60

ggttcgaatc ccaccgctgc ca 82

<210> 1225
<211> 76
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (74)..(76)
<223> a, c, t, g, unknown or other

<400> 1225
gcccggctag ctcagtcggt agagcatgag actcttaatc tcagggtcgt gggttcgagc 60

cccacgttgg gcgnnn 76

<210> 1226
<211> 73
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1226
gcctggatag ctcagtcggt agagcatcag acttttaatc tgagggtcca gggttcaagt 60

ccctgttcag gcg 73

<210> 1227
<211> 73
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (17)..(17)
<223> a, c, t, g, unknown or other

<400> 1227
gccctcttag cgcagtnggc agcgcgtcag tctcataatc tgaaggtcct gagttcgagc 60

ctcagagagg gca 73

<210> 1228
<211> 74
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

oligonucleotide"

<220>
<221> modified_base
<222> (41)..(41)
<223> a, c, t, g, unknown or other

<400> 1228
gccgaaatag ctcagttggg agagcgttag actgaagatc ntaaaggtcc ctggttcaat 60

cccgggtttc ggca 74

<210> 1229
<211> 72
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 1229
ggctcgttgg tctaggggta tgattctcgc ttaggatgcg agaggtcccg ggttcaaatc 60

ccggacgagc cc 72

<210> 1230
<211> 72
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 1230
ggctcgttgg tctaggggta tgattctcgc ttcgggtgcg agaggtcccg ggttcaaatc 60

ccggacgagc cc 72

<210> 1231
<211> 72
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1231
ggctcgttgg tctaggggta tgattctcgc tttgggtgcg agaggtcccg ggttcaaatc 60

ccggacgagc cc 72

<210> 1232
<211> 82
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1232
gtagtcgtgg ccgagtggtt aaggcgatgg actagaaatc cattggggtt tccccgcgca 60

ggttcgaatc ctgccgacta cg 82

<210> 1233
<211> 82
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1233
gctgtgatgg ccgagtggtt aaggcgttgg actcgaaatc caatggggtc tccccgcgca 60

ggttcgaatc ctgctcacag cg 82

<210> 1234
<211> 84
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>

<221> modified_base
<222> (8)..(9)
<223> a, c, t, g, unknown or other

<400> 1234
gacgaggnnt ggccgagtgg ttaaggcgat ggactgctaa tccattgtgc tctgcacgcg 60

tgggttcgaa tcccatcctc gtcg 84

<210> 1235
<211> 82
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 1235
gtagtcgtgg ccgagtggtt aaggcgatgg acttgaaatc cattggggtc tccccgcgca 60

ggttcgaatc ctgccggcta cg 82

<210> 1236
<211> 74
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 1236
ggctccgtgg cttagctggt taaagcgcct gtctagtaaa caggagatcc tgggttcgaa 60

tcccagcggg gcct 74

<210> 1237
<211> 75
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<220>
<221> modified_base
<222> (4)..(4)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (13)..(13)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (17)..(17)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (20)..(20)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (43)..(43)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (51)..(51)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (67)..(67)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (69)..(69)
<223> a, c, t, g, unknown or other

<400> 1237
ggcnctgtgg ctnagtnggn taaagcgccg gtctcgtaaa ccnggagatc ntgggttcga 60

atcccancng ggcct 75

<210> 1238
<211> 74
<212> DNA
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (16)..(16)
<223> a, c, t, g, unknown or other

<400> 1238
ggctccatag ctcagngggt tagagcactg gtcttgtaaa ccaggggtcg cgagttcaaa 60

tctcgctggg gcct 74

<210> 1239
<211> 72
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1239
gacctcgtgg cgcaacggta gcgcgtctga ctccagatca gaaggttgcg tgttcaaatc 60

acgtcggggt ca 72

<210> 1240
<211> 73
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1240
ccttcgatag ctcagctggt agagcggagg actgtagatc cttaggtcgc tggttcgatt 60

ccggctcgaa gga 73

<210> 1241
<211> 73
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1241
gtttccgtag tgtagtggtt atcacgttcg cctaacacgc gaaaggtccc cggttcgaaa 60

ccgggcggaa aca 73

<210> 1242
<211> 73
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1242
gtttccgtag tgtagtggtt atcacgttcg cctcacacgc gaaaggtccc cggttcgaaa 60

ccgggcggaa aca 73

<210> 1243
<211> 73
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1243
ggttccatag tgtagtggtt atcacgtctg ctttacacgc agaaggtcct gggttcgagc 60

cccagtggaa cca 73

<210> 1244
<211> 72
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<400> 1244

agcagagtgg cgcagcggaa gcgtgctggg cccataaccc agaggtcgat ggatcgaaac 60

catcctctgc ta 72

<210> 1245
<211> 76
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<220>
<221> modified_base
<222> (74)..(76)
<223> a, c, t, g, unknown or other

<400> 1245
ggggaattag ctcaagtggt agagcgcttg cttagcatgc aagaggtagt gggatcgatg 60

cccacattct ccannn 76

<210> 1246
<211> 75
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<220>
<221> modified_base
<222> (73)..(75)
<223> a, c, t, g, unknown or other

<400> 1246
ggggatgtag ctcagtggta gagcgcatgc ttcgcatgta tgaggtcccg ggttcgatcc 60

ccggcatctc cannn 75

<210> 1247
<211> 75
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (73)..(75)
<223> a, c, t, g, unknown or other

<400> 1247
gggggtgtag ctcagtggta gagcgcatgc tttgcatgta tgaggccccg ggttcgatcc 60

ccggcacctc cannn 75

<210> 1248
<211> 76
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (74)..(76)
<223> a, c, t, g, unknown or other

<400> 1248
gggccagtgg cgcaatggat aacgcgtctg actacggatc agaagattcc aggttcgact 60

cctggctggc tcgnnn 76

<210> 1249
<211> 76
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base

<222> (74)..(76)
<223> a, c, t, g, unknown or other

<400> 1249
ggccgcgtgg cctaatggat aaggcgtctg attccggatc agaagattga gggttcgagt 60

cccttcgtgg tcgnnn 76

<210> 1250
<211> 76
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<220>
<221> modified_base
<222> (74)..(76)
<223> a, c, t, g, unknown or other

<400> 1250
gccccagtgg cctaatggat aaggcactgg cctcctaagc cagggattgt gggttcgagt 60

cccacctggg gtannn 76

<210> 1251
<211> 76
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<220>
<221> modified_base
<222> (74)..(76)
<223> a, c, t, g, unknown or other

<400> 1251
gaccgcgtgg cctaatggat aaggcgtctg acttcggatc agaagattga gggttcgagt 60

ccctccgtgg tcgnnn 76

<210> 1252
<211> 77
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (21)..(21)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (65)..(65)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (75)..(77)
<223> a, c, t, g, unknown or other

<400> 1252
ggctctgtgg cgcaatggat nagcgcattg gacttctaat tcaaaggttg cgggttcgag 60

tcccnccaga gtcgnnn 77

<210> 1253
<211> 78
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (43)..(43)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (76)..(78)
<223> a, c, t, g, unknown or other

<400> 1253
gtctctgtgg cgcaatcggt tagcgcgttc ggctgttaac cgnaaaggtt ggtggttcga 60

gcccacccag ggacgnnn 78

<210> 1254
<211> 75
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<220>
<221> modified_base
<222> (73)..(75)
<223> a, c, t, g, unknown or other

<400> 1254
tcctcgttag tatagtggtg agtatccccg cctgtcacgc gggagaccgg ggttcgattc 60

cccgacgggg agnnn 75

<210> 1255
<211> 76
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<220>
<221> modified_base
<222> (16)..(16)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (74)..(76)
<223> a, c, t, g, unknown or other

<400> 1255
gggggtatag ctcagngggt agagcatttg actgcagatc aagaggtccc cggttcaaat 60

ccgggtgccc cctnnn 76

<210> 1256
<211> 75
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (20)..(20)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (73)..(75)
<223> a, c, t, g, unknown or other

<400> 1256
ggttccatgg tgtaatggtn agcactctgg actctgaatc cagcgatccg agttcaagtc 60

tcggtggaac ctnnn 75

<210> 1257
<211> 75
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (73)..(75)
<223> a, c, t, g, unknown or other

<400> 1257
ggtcccatgg tgtaatggtt agcactctgg actttgaatc cagcgatccg agttcaaatc 60

tcggtgggac ctnnn 75

<210> 1258
<211> 75

<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (73)..(75)
<223> a, c, t, g, unknown or other

<400> 1258
tccctggtgg tctagtggtt aggattcggc gctctcaccg ccgcggcccg ggttcgattc 60

ccggtcaggg aannn 75

<210> 1259
<211> 75
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (42)..(42)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (73)..(75)
<223> a, c, t, g, unknown or other

<400> 1259
tccctggtgg tctagtggct aggattcggc gctttcaccg cngcggcccg ggttcgattc 60

ccggtcaggg aannn 75

<210> 1260
<211> 74
<212> DNA
<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (40)..(40)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (72)..(74)
<223> a, c, t, g, unknown or other

<400> 1260
gcattggtgg ttcagtggta gaattctcgc ctcccacgcn ggagacccgg gttcgattcc 60

cggccaatgc annn 74

<210> 1261
<211> 74
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (72)..(74)
<223> a, c, t, g, unknown or other

<400> 1261
gcattggtgg ttcagtggta gaattctcgc ctgccacgcg ggaggcccgg gttcgattcc 60

cggccaatgc annn 74

<210> 1262
<211> 75
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (73)..(75)
<223> a, c, t, g, unknown or other

<400> 1262
gcgttggtgg tatagtggtg agcatagctg ccttccaagc agttgacccg ggttcgattc 60

ccggccaacg cannn 75

<210> 1263
<211> 77
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<220>
<221> modified_base
<222> (75)..(77)
<223> a, c, t, g, unknown or other

<400> 1263
ggccggttag ctcagttggt tagagcgtgg tgctaataac gccaaggtcg cgggttcgat 60

ccccgtacgg gccannn 77

<210> 1264
<211> 77
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<220>
<221> modified_base
<222> (75)..(77)
<223> a, c, t, g, unknown or other

<400> 1264
gctccagtgg cgcaatcggt tagcgcgcgg tacttataat gccgaggttg tgagttcgag 60

cctcacctgg agcannn 77

<210> 1265
<211> 85
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<220>
<221> modified_base
<222> (83)..(85)
<223> a, c, t, g, unknown or other

<400> 1265
ggtagcgtgg ccgagcggtc taaggcgctg gattaaggct ccagtctctt cgggggcgtg 60

ggttcgaatc ccaccgctgc cannn 85

<210> 1266
<211> 88
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<220>
<221> modified_base
<222> (21)..(21)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (52)..(52)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (86)..(88)
<223> a, c, t, g, unknown or other

<400> 1266
gtcaggatgg ccgagtggtc ntaaggcgcc agactcaagt tctggtctcc gnatggaggc 60

gtgggttcga atcccacttc tgacannn 88

<210> 1267
<211> 86
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (84)..(86)
<223> a, c, t, g, unknown or other

<400> 1267
gtcaggatgg ccgagcggtc taaggcgctg cgttcaggtc gcagtctccc ctggaggcgt 60

gggttcgaat cccactcctg acannn 86

<210> 1268
<211> 86
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (84)..(86)
<223> a, c, t, g, unknown or other

<400> 1268
accaggatgg ccgagtggtt aaggcgttgg acttaagatc caatggacag atgtccgcgt 60

gggttcgaac cccactcctg gtannn 86

<210> 1269
<211> 85
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (54)..(54)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (83)..(85)
<223> a, c, t, g, unknown or other

<400> 1269
ggtagcgtgg ccgagcggtc taaggcgctg gatttaggct ccagtctctt cggnggcgtg 60

ggttcgaatc ccaccgctgc cannn 85

<210> 1270
<211> 79
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (74)..(79)
<223> a, c, t, g, unknown or other

<400> 1270
gcccggctag ctcagtcggt agagcatgag actcttaatc tcagggtcgt gggttcgagc 60

cccacgttgg gcgnnnnnn 79

<210> 1271
<211> 76
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (74)..(76)
<223> a, c, t, g, unknown or other

<400> 1271
gcctggatag ctcagtcggt agagcatcag acttttaatc tgagggtcca gggttcaagt 60

ccctgttcag gcgnnn 76

<210> 1272
<211> 76
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (17)..(17)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (74)..(76)
<223> a, c, t, g, unknown or other

<400> 1272
gccctcttag cgcagtnggc agcgcgtcag tctcataatc tgaaggtcct gagttcgagc 60

ctcagagagg gcannn 76

<210> 1273
<211> 77
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base

<222> (41)..(41)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (75)..(77)
<223> a, c, t, g, unknown or other

<400> 1273
gccgaaatag ctcagttggg agagcgttag actgaagatc ntaaaggtcc ctggttcaat 60

cccgggtttc ggcannn 77

<210> 1274
<211> 75
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<220>
<221> modified_base
<222> (73)..(75)
<223> a, c, t, g, unknown or other

<400> 1274
ggctcgttgg tctaggggta tgattctcgc ttaggatgcg agaggtcccg ggttcaaatc 60

ccggacgagc ccnnn 75

<210> 1275
<211> 75
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<220>
<221> modified_base
<222> (73)..(75)
<223> a, c, t, g, unknown or other

<400> 1275

ggctcgttgg tctaggggta tgattctcgc ttcgggtgcg agaggtcccg ggttcaaatc 60

ccggacgagc ccnnn 75

<210> 1276
<211> 75
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<220>
<221> modified_base
<222> (73)..(75)
<223> a, c, t, g, unknown or other

<400> 1276
ggctcgttgg tctaggggta tgattctcgc tttgggtgcg agaggtcccg ggttcaaatc 60

ccggacgagc ccnnn 75

<210> 1277
<211> 85
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<220>
<221> modified_base
<222> (83)..(85)
<223> a, c, t, g, unknown or other

<400> 1277
gtagtcgtgg ccgagtggtt aaggcgatgg actagaaatc cattggggtt tccccgcgca 60

ggttcgaatc ctgccgacta cgnnn 85

<210> 1278
<211> 85
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (83)..(85)
<223> a, c, t, g, unknown or other

<400> 1278
gctgtgatgg ccgagtggtt aaggcgttgg actcgaaatc caatggggtc tccccgcgca 60

ggttcgaatc ctgctcacag cgnnn 85

<210> 1279
<211> 87
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (8)..(9)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (85)..(87)
<223> a, c, t, g, unknown or other

<400> 1279
gacgaggnnt ggccgagtgg ttaaggcgat ggactgctaa tccattgtgc tctgcacgcg 60

tgggttcgaa tcccatcctc gtcgnnn 87

<210> 1280
<211> 85
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

oligonucleotide"

<220>
<221> modified_base
<222> (83)..(85)
<223> a, c, t, g, unknown or other

<400> 1280
gtagtcgtgg ccgagtggtt aaggcgatgg acttgaaatc cattggggtc tccccgcgca 60

ggttcgaatc ctgccggcta cgnnn 85

<210> 1281
<211> 77
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (75)..(77)
<223> a, c, t, g, unknown or other

<400> 1281
ggctccgtgg cttagctggt taaagcgcct gtctagtaaa caggagatcc tgggttcgaa 60

tcccagcggg gcctnnn 77

<210> 1282
<211> 78
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (4)..(4)
<223> a, c, t, g, unknown or other

<220>

<221> modified_base
<222> (13)..(13)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (17)..(17)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (20)..(20)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (43)..(43)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (51)..(51)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (67)..(67)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (69)..(69)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (76)..(78)
<223> a, c, t, g, unknown or other

<400> 1282
ggcnctgtgg ctnagtnggn taaagcgccg gtctcgtaaa ccnggagatc ntgggttcga 60

atcccancng ggcctnnn 78

<210> 1283
<211> 77
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

oligonucleotide"

<220>
<221> modified_base
<222> (16)..(16)
<223> a, c, t, g, unknown or other

<220>
<221> modified_base
<222> (75)..(77)
<223> a, c, t, g, unknown or other

<400> 1283
ggctccatag ctcagngggt tagagcactg gtcttgtaaa ccaggggtcg cgagttcaaa 60

tctcgctggg gcctnnn 77

<210> 1284
<211> 75
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (73)..(75)
<223> a, c, t, g, unknown or other

<400> 1284
gacctcgtgg cgcaacggta gcgcgtctga ctccagatca gaaggttgcg tgttcaaatc 60

acgtcggggt cannn 75

<210> 1285
<211> 76
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>

<221> modified_base
<222> (74)..(76)
<223> a, c, t, g, unknown or other

<400> 1285
ccttcgatag ctcagctggt agagcggagg actgtagatc cttaggtcgc tggttcgatt 60

ccggctcgaa ggannn 76

<210> 1286
<211> 76
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<220>
<221> modified_base
<222> (74)..(76)
<223> a, c, t, g, unknown or other

<400> 1286
gtttccgtag tgtagtggtt atcacgttcg cctaacacgc gaaaggtccc cggttcgaaa 60

ccgggcggaa acannn 76

<210> 1287
<211> 76
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<220>
<221> modified_base
<222> (74)..(76)
<223> a, c, t, g, unknown or other

<400> 1287
gtttccgtag tgtagtggtt atcacgttcg cctcacacgc gaaaggtccc cggttcgaaa 60

ccgggcggaa acannn 76

<210> 1288
<211> 76
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (74)..(76)
<223> a, c, t, g, unknown or other

<400> 1288
ggttccatag tgtagtggtt atcacgtctg ctttacacgc agaaggtcct gggttcgagc 60

cccagtggaa ccannn 76

<210> 1289
<211> 75
<212> DNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
oligonucleotide"

<220>
<221> modified_base
<222> (73)..(75)
<223> a, c, t, g, unknown or other

<400> 1289
agcagagtgg cgcagcggaa gcgtgctggg cccataaccc agaggtcgat ggatcgaaac 60

catcctctgc tannn 75

<210> 1290
<211> 72
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic

oligonucleotide"

<400> 1290
ggcucguugg ucuaggggua ugauucucgc uuagggugcg agaggucccg gguucaaauc 60

ccggacgagc cc 72

<210> 1291
<211> 72
<212> RNA
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic oligonucleotide"

<400> 1291
ggggauguag cucaguggua gagcgcaugc uuugcaugua ugaggucccg gguucgaucc 60

ccggcaucuc ca 72