SEQUENCE LISTING

<110> Isis Pharmaceuticals, Inc.
Eric E. Swayze
Susan M. Freier
Michael L. McCaleb

<120> MODULATION OF HEPATITIS B VIRUS (HBV)
EXPRESSION

<130> BIOL0175WO

<150> 61/478,040
<151> 2011-04-21

<150> 61/478,038
<151> 2011-04-21

<150> 61/596,690
<151> 2012-02-08

<150> 61/596,692
<151> 2012-02-08

<160> 1381

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 3182
<212> DNA
<213> Hepatitis B virus

<400> 1
aattccacaa cctttcacca aactctgcaa gatcccagag tgagaggcct gtatttccct 60
gctggtggct ccagttcagg agcagtaaac cctgttccga ctactgcctc tcccttatcg 120
tcaatcttct cgaggattgg ggaccctgcg ctgaacatgg agaacatcac atcaggattc 180
ctaggacccc ttctcgtgtt acaggcgggg tttttcttgt tgacaagaat cctcacaata 240
ccgcagagtc tagactcgtg gtggacttct ctcaattttc tagggggaac taccgtgtgt 300
cttggccaaa attcgcagtc cccaacctcc aatcactcac caacctcctg tcctccaact 360
tgtcctggtt atcgctggat gtgtctgcgg cgttttatca tcttcctctt catcctgctg 420
ctatgcctca tcttcttgtt ggttcttctg gactatcaag gtatgttgcc cgtttgtcct 480
ctaattccag gatcctcaac caccagcacg ggaccatgcc gaacctgcat gactactgct 540
caaggaacct ctatgtatcc ctcctgttgc tgtaccaaac cttcggacgg aaattgcacc 600
tgtattccca tcccatcatc ctgggctttc ggaaaattcc tatgggagtg ggcctcagcc 660
cgtttctcct ggctcagttt actagtgcca tttgttcagt ggttcgtagg gctttccccc 720
actgtttggc tttcagttat atggatgatg tggtattggg ggccaagtct gtacagcatc 780
ttgagtccct ttttaccgct gttaccaatt ttcttttgtc tttgggtata catttaaacc 840
ctaacaaaac aaagagatgg ggttactctc tgaattttat gggttatgtc attggaagtt 900
atgggtcctt gccacaagaa cacatcatac aaaaaatcaa agaatgtttt agaaaacttc 960
ctattaacag gcctattgat tggaaagtat gtcaacgaat tgtgggtctt ttgggttttg 1020
ctgccccatt tacacaatgt ggttatcctg cgttaatgcc cttgtatgca tgtattcaat 1080
ctaagcaggc tttcactttc tcgccaactt acaaggcctt tctgtgtaaa caatacctga 1140
acctttaccc cgttgcccgg caacggccag gtctgtgcca agtgtttgct gacgcaaccc 1200
ccactggctg gggcttggtc atgggccatc agcgcgtgcg tggaaccttt tcggctcctc 1260
tgccgatcca tactgcggaa ctcctagccg cttgttttgc tcgcagcagg tctggagcaa 1320
acattatcgg gactgataac tctgttgtcc tctcccgcaa atatacatcg tatccatggc 1380
tgctaggctg tgctgccaac tggatcctgc gcgggacgtc ctttgtttac gtcccgtcgg 1440
cgctgaatcc tgcggacgac ccttctcggg gtcgcttggg actctctcgt ccccttctcc 1500
gtctgccgtt ccgaccgacc acggggcgca cctctcttta cgcggactcc ccgtctgtgc 1560
cttctcatct gccggaccgt gtgcacttcg cttcacctct gcacgtcgca tggagaccac 1620
cgtgaacgcc caccgaatgt tgcccaaggt cttacataag aggactcttg gactctctgc 1680
aatgtcaacg accgaccttg aggcatactt caaagactgt ttgtttaaag actgggagga 1740
gttgggggag gagattagat taaaggtctt tgtactagga ggctgtaggc ataaattggt 1800
ctgcgcacca gcaccatgca acttttcac ctctgcctaa tcatctcttg ttcatgtcct 1860
actgttcaag cctccaagct gtgccttggg tggctttggg gcatggacat cgacccttat 1920
aaagaatttg gagctactgt ggagttactc tcgtttttgc cttctgactt ctttccttca 1980

gtacgagatc ttctagatac cgcctcagct ctgtatcggg aagccttaga gtctcctgag 2040
cattgttcac ctcaccatac tgcactcagg caagcaattc tttgctgggg ggaactaatg 2100
actctagcta cctgggtggg tgttaatttg gaagatccag catctagaga cctagtagtc 2160
agttatgtca acactaatat gggcctaaag ttcaggcaac tcttgtggtt tcacatttct 2220
tgtctcactt ttggaagaga aaccgttata gagtatttgg tgtctttcgg agtgtggatt 2280
cgcactcctc cagcttatag accaccaaat gcccctatcc tatcaacact tccggaaact 2340
actgttgtta gacgacgagg caggtcccct agaagaagaa ctccctcgcc tcgcagacga 2400
aggtctcaat cgccgcgtcg cagaagatct caatctcggg aacctcaatg ttagtattcc 2460
ttggactcat aaggtgggga actttactgg tctttattct tctactgtac ctgtctttaa 2520
tcctcattgg aaaacaccat cttttcctaa tatacattta caccaagaca ttatcaaaaa 2580
atgtgaacag tttgtaggcc cacttacagt taatgagaaa agaagattgc aattgattat 2640
gcctgctagg ttttatccaa aggttaccaa atatttacca ttggataagg gtattaaacc 2700
ttattatcca gaacatctag ttaatcatta cttccaaact agacactatt tacacactct 2760
atggaaggcg ggtatattat ataagagaga aacaacacat agcgcctcat tttgtgggtc 2820
accatattct tgggaacaag atctacagca tggggcagaa tctttccacc agcaatcctc 2880
tgggattctt tcccgaccac cagttggatc cagccttcag agcaaacaca gcaaatccag 2940
attgggactt caatcccaac aaggacacct ggccagacgc caacaaggta ggagctggag 3000
cattcgggct gggtttcacc ccaccgcacg gaggcctttt ggggtggagc cctcaggctc 3060
agggcatact acaaactttg ccagcaaatc cgcctcctgc ctccaccaat cgccagacag 3120
gaaggcagcc taccccgctg tctccacctt tgagaaacac tcatcctcag gccatgcagt 3180
gg 3182

<210> 2
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer

<400> 2
cttggtcatg ggccatcag 19

<210> 3
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer

<400> 3
cggctaggag ttccgcagta 20

<210> 4
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Probe

<400> 4
tgcgtggaac cttttcggct cc 22

<210> 5
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 5
ccacgagtct agactct 17

<210> 6
<211> 17

<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 6
gtccaccacg agtctag 17

<210> 7
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 7
agtccaccac gagtcta 17

<210> 8
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 8
aagtccacca cgagtct 17

<210> 9
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 9
gaagtccacc acgagtc 17

<210> 10
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 10
agaagtccac cacgagt 17

<210> 11
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 11
gagaagtcca ccacgag 17

<210> 12
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 12
agagaagtcc accacga 17

<210> 13
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 13
gagagaagtc caccacg 17

<210> 14
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 14
tgagagaagt ccaccac 17

<210> 15
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 15
tgataaaacg ccgcaga 17

<210> 16
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 16
atgataaaac gccgcag 17

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

<220>
<223> Synthetic oligonucleotide

<400> 17
ggcatagcag caggatg 17

<210> 18
<211> 17
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide

<400> 18
aggcatagca gcaggat 17

<210> 19
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 19
gaggcatagc agcagga 17

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

<220>
<223> Synthetic oligonucleotide

<400> 20
agatgaggca tagcagcagg 20

<210> 21
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 21
tgaggcatag cagcagg 17

<210> 22
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 22
aagatgaggc atagcagcag 20

<210> 23
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 23
atgaggcata gcagcag 17

<210> 24
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 24
gaagatgagg catagcagca 20

<210> 25
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 25
gatgaggcat agcagca 17

<210> 26
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 26
agaagatgag gcatagcagc 20

<210> 27
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 27
agatgaggca tagcagc 17

<210> 28
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 28
aagaagatga ggcatagcag 20

<210> 29
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 29
aagatgaggc atagcag 17

<210> 30
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 30
gaagatgagg catagca 17

<210> 31
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 31
agaagatgag gcatagc 17

<210> 32
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 32
aagaagatga ggcatag 17

<210> 33
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 33
acgggcaaca taccttg 17

<210> 34
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 34
ctgaggccca ctcccatagg 20

<210> 35
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 35
aggcccactc ccatagg 17

<210> 36
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 36
gaggcccact cccatag 17

<210> 37

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

<220>
<223> Synthetic oligonucleotide

<400> 37
tgaggcccac tcccata 17

<210> 38
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 38
ctgaggccca ctcccat 17

<210> 39
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 39
cgaaccactg aacaaatggc 20

<210> 40
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 40
accactgaac aaatggc 17

<210> 41
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 41
aaccactgaa caaatgg 17

<210> 42
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 42
gaaccactga acaaatg 17

<210> 43
<211> 17
<212> DNA

<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 43
cgaaccactg aacaaat 17

<210> 44
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 44
accacatcat ccatata 17

<210> 45
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 45
tcagcaaaca cttggca 17

<210> 46
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 46
aatttatgcc tacagcctcc 20

<210> 47
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 47
ttatgcctac agcctcc 17

<210> 48
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 48
caatttatgc ctacagcctc 20

<210> 49
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 49
tttatgccta cagcctc 17

<210> 50
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 50
ccaatttatg cctacagcct 20

<210> 51
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 51
atttatgcct acagcct 17

<210> 52
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 52
accaatttat gcctacagcc 20

<210> 53
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 53
aatttatgcc tacagcc 17

<210> 54
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 54
caatttatgc ctacagc 17

<210> 55
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 55
ccaatttatg cctacag 17

<210> 56
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 56
accaatttat gcctaca 17

<210> 57
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 57
aggcagaggt gaaaaag 17

<210> 58
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 58
taggcagagg tgaaaaa 17

<210> 59
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 59
gcacagcttg gaggcttgaa 20

<210> 60
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 60
cagcttggag gcttgaa 17

<210> 61
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 61

ggcacagctt ggaggcttga 20

<210> 62
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 62
acagcttgga ggcttga 17

<210> 63
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 63
aggcacagct tggaggcttg 20

<210> 64
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 64
cacagcttgg aggcttg 17

<210> 65
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 65
aaggcacagc ttggaggctt 20

<210> 66
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 66
gcacagcttg gaggctt 17

<210> 67
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 67
caaggcacag cttggaggct 20

<210> 68
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 68
ggcacagctt ggaggct 17

<210> 69
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 69
ccaaggcaca gcttggaggc 20

<210> 70
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 70
aggcacagct tggaggc 17

<210> 71
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 71
aaggcacagc ttggagg 17

<210> 72
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 72
caaggcacag cttggag 17

<210> 73
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 73
ccaaggcaca gcttgga 17

<210> 74
<211> 17

<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 74
gctccaaatt ctttata 17

<210> 75
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 75
tctgcgaggc gagggagttc 20

<210> 76
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 76
gcgaggcgag ggagttc 17

<210> 77
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 77
tgcgaggcga gggagtt 17

<210> 78
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 78
ctgcgaggcg agggagt 17

<210> 79
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 79
tctgcgaggc gagggag 17

<210> 80
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 80
ttcccaagaa tatggtg 17

<210> 81
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 81
gttcccaaga atatggt 17

<210> 82
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 82
tgttcccaag aatatgg 17

<210> 83
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 83
gaactggagc caccagcagg 20

<210> 84
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 84
gagccaccag cagg 14

<210> 85
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 85
cctgaactgg agccaccagc 20

<210> 86
<211> 16
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide

<400> 86
gaactggagc caccag 16

<210> 87
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 87
aaaaaccccg cctgtaacac 20

<210> 88
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 88
aagaaaaacc ccgcctgtaa 20

<210> 89
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 89
gtcaacaaga aaaaccccgc 20

<210> 90
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 90
gtattgtgag gatt 14

<210> 91
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 91
ggtattgtga ggat 14

<210> 92
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 92
caccacgagt ctagactctg 20

<210> 93
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 93
cacgagtcta gactct 16

<210> 94
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 94
cgagtctaga ctct 14

<210> 95
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 95
ccacgagtct agactc 16

<210> 96
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 96
gtccaccacg agtctagact 20

<210> 97
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 97
gaagtccacc acgagtctag 20

<210> 98
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 98
tccaccacga gtctag 16

<210> 99
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 99
agaagtccac cacgagtcta 20

<210> 100
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 100
gtccaccacg agtcta 16

<210> 101
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 101
gagaagtcca ccacgagtct 20

<210> 102
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 102
agtccaccac gagtct 16

<210> 103
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 103
agagaagtcc accacgagtc 20

<210> 104
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 104
aagtccacca cgagtc 16

<210> 105

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

<220>
<223> Synthetic oligonucleotide

<400> 105
gagagaagtc caccacgagt 20

<210> 106
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 106
gaagtccacc acgagt 16

<210> 107
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 107
agtccaccac gagt 14

<210> 108
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 108
tgagagaagt ccaccacgag 20

<210> 109
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 109
agaagtccac cacgag 16

<210> 110
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 110
aagtccacca cgag 14

<210> 111
<211> 20
<212> DNA

<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 111
ttgagagaag tccaccacga 20

<210> 112
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 112
gagaagtcca ccacga 16

<210> 113
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 113
gaagtccacc acga 14

<210> 114
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 114
agaagtccac cacg 14

<210> 115
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 115
gagagaagtc caccac 16

<210> 116
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 116
gagaagtcca ccac 14

<210> 117
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 117
tgagagaagt ccacca 16

<210> 118
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 118
agagaagtcc acca 14

<210> 119
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 119
gagagaagtc cacc 14

<210> 120
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 120
tgagagaagt ccac 14

<210> 121
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 121
agaaaattga gagaagtcca 20

<210> 122
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 122
cctagaaaat tgagagaagt 20

<210> 123
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 123
attttggcca agacacacgg 20

<210> 124
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 124
cgaattttgg ccaagacaca 20

<210> 125
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 125
ggactgcgaa ttttggccaa 20

<210> 126
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 126
tccagcgata accaggacaa 20

<210> 127
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 127
gacacatcca gcgataacca 20

<210> 128
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 128
gcagacacat ccagcgataa 20

<210> 129
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 129

gataaaacgc cgcaga 16

<210> 130
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 130
taaaacgccg caga 14

<210> 131
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 131
ataaaacgcc gcag 14

<210> 132
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 132
atgataaaac gccgca 16

<210> 133
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 133
gataaaacgc cgca 14

<210> 134
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 134
tgataaaacg ccgc 14

<210> 135
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 135
atgataaaac gccg 14

<210> 136
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 136
tgaggcatag cagcaggatg 20

<210> 137
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 137
gcatagcagc aggatg 16

<210> 138
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 138
atagcagcag gatg 14

<210> 139
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 139
atgaggcata gcagcaggat 20

<210> 140
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 140
ggcatagcag caggat 16

<210> 141
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 141
catagcagca ggat 14

<210> 142
<211> 20

<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 142
gatgaggcat agcagcagga 20

<210> 143
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 143
aggcatagca gcagga 16

<210> 144
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 144
gcatagcagc agga 14

<210> 145
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 145
gaggcatagc agcagg 16

<210> 146
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 146
ggcatagcag cagg 14

<210> 147
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 147
tgaggcatag cagcag 16

<210> 148
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 148
aggcatagca gcag 14

<210> 149
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 149
atgaggcata gcagca 16

<210> 150
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 150
gaggcatagc agca 14

<210> 151
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 151
gatgaggcat agcagc 16

<210> 152
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 152
tgaggcatag cagc 14

<210> 153
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 153
agatgaggca tagcag 16

<210> 154
<211> 14
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide

<400> 154
atgaggcata gcag 14

<210> 155
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 155
aagatgaggc atagca 16

<210> 156
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 156
gatgaggcat agca 14

<210> 157
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 157
gaagatgagg catagc 16

<210> 158
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 158
agatgaggca tagc 14

<210> 159
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 159
agaagatgag gcatag 16

<210> 160
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 160
aagatgaggc atag 14

<210> 161
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 161
aagaagatga ggcata 16

<210> 162
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 162
gaagatgagg cata 14

<210> 163
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 163
agaagatgag gcat 14

<210> 164
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 164
aagaagatga ggca 14

<210> 165
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 165
acgggcaaca taccttgata 20

<210> 166
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 166
caaacgggca acataccttg 20

<210> 167
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 167
cgggcaacat accttg 16

<210> 168
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 168
acgggcaaca tacctt 16

<210> 169
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 169
gggcaacata cctt 14

<210> 170
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 170
cgggcaacat acct 14

<210> 171
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 171
acgggcaaca tacc 14

<210> 172
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 172
agaggacaaa cgggcaacat 20

<210> 173

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

<220>
<223> Synthetic oligonucleotide

<400> 173
attagaggac aaacgggcaa 20

<210> 174
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 174
cctggaatta gaggacaaac 20

<210> 175
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 175
gatcctggaa ttagaggaca 20

<210> 176
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 176
ggcccactcc catagg 16

<210> 177
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 177
gaggcccact cccata 16

<210> 178
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 178
tgaggcccac tcccat 16

<210> 179
<211> 16
<212> DNA

<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 179
ctgaggccca ctccca 16

<210> 180
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 180
ggcactagta aactgagcca 20

<210> 181
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 181
ctagtaaact gagcca 16

<210> 182
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 182
agtaaactga gcca 14

<210> 183
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 183
tagtaaactg agcc 14

<210> 184
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 184
ctagtaaact gagc 14

<210> 185
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 185
aatggcacta gtaaactgag 20

<210> 186
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 186
tgaacaaatg gcactagtaa 20

<210> 187
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 187
cactgaacaa atggcactag 20

<210> 188
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 188
ccactgaaca aatggc 16

<210> 189
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 189
acgaaccact gaacaaatgg 20

<210> 190
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 190
accactgaac aaatgg 16

<210> 191
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 191
aaccactgaa caaatg 16

<210> 192
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 192
gaaccactga acaaat 16

<210> 193
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 193
cctacgaacc actgaacaaa 20

<210> 194
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 194
cgaaccactg aacaaa 16

<210> 195
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 195
aaccactgaa caaa 14

<210> 196
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 196
gaaccactga acaa 14

<210> 197
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 197

cgaaccactg aaca 14

<210> 198
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 198
gaaagcccta cgaaccactg 20

<210> 199
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 199
ccacatcatc catata 16

<210> 200
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 200
acatcatcca tata 14

<210> 201
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 201
accacatcat ccatat 16

<210> 202
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 202
cacatcatcc atat 14

<210> 203
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 203
ccacatcatc cata 14

<210> 204
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 204
accacatcat ccat 14

<210> 205
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 205
tgtacagact tggcccccaa 20

<210> 206
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 206
agggtttaaa tgtataccca 20

<210> 207
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 207
gcaaacactt ggcacagacc 20

<210> 208
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 208
cagcaaacac ttggca 16

<210> 209
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 209
tcagcaaaca cttggc 16

<210> 210
<211> 20

<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 210
ccgcagtatg gatcggcaga 20

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

<220>
<223> Synthetic oligonucleotide

<400> 211
gcagtatgga tcggca 16

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

<220>
<223> Synthetic oligonucleotide

<400> 212
gttccgcagt atggatcggc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 213
ctaggagttc cgcagtatgg 20

<210> 214
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 214
cggctaggag ttccgcagta 20

<210> 215
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 215
aacaagcggc taggagttcc 20

<210> 216
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 216
caaaacaagc ggctaggagt 20

<210> 217
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 217
gagcaaaaca agcggctagg 20

<210> 218
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 218
tgcgagcaaa acaagcggct 20

<210> 219
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 219
acaaaggacg tccc 14

<210> 220
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 220
gaggtgcgcc ccgtggtcgg 20

<210> 221
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 221
agagaggtgc gccccgtggt 20

<210> 222
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide

<400> 222
taaagagagg tgcgccccgt 20

<210> 223
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 223
aaggcacaga cggg 14

<210> 224
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 224
gtgaagcgaa gtgcacacgg 20

<210> 225
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 225
gaggtgaagc gaagtgcaca 20

<210> 226
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 226
gcagaggtga agcgaagtgc 20

<210> 227
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 227
cgtgcagagg tgaagcgaag 20

<210> 228
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 228
agtccaagag tcctcttatg 20

<210> 229
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 229
cagtctttga agta 14

<210> 230
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 230
tatgcctaca gcctcc 16

<210> 231
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 231
ttatgcctac agcctc 16

<210> 232
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 232
tttatgccta cagcct 16

<210> 233
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 233
atttatgcct acagcc 16

<210> 234
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 234
aatttatgcc tacagc 16

<210> 235
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 235
caatttatgc ctacag 16

<210> 236
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 236
ccaatttatg cctaca 16

<210> 237
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 237
accaatttat gcctac 16

<210> 238
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 238
aaagttgcat ggtgctggtg 20

<210> 239
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 239
gaaaaagttg catggtgctg 20

<210> 240
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 240
ggtgaaaaag ttgcatggtg 20

<210> 241

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

<220>
<223> Synthetic oligonucleotide

<400> 241
agaggtgaaa aagttgcatg 20

<210> 242
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 242
ggcagaggtg aaaaagttgc 20

<210> 243
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 243
ttaggcagag gtgaaaaagt 20

<210> 244
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 244
ggcagaggtg aaaaag 16

<210> 245
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 245
aggcagaggt gaaaaa 16

<210> 246
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 246
tgattaggca gaggtgaaaa 20

<210> 247
<211> 16
<212> DNA

<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 247
taggcagagg tgaaaa 16

<210> 248
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 248
taggcagagg tgaa 14

<210> 249
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 249
agatgattag gcagaggtga 20

<210> 250
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 250
agcttggagg cttgaacagt 20

<210> 251
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 251
cacagcttgg aggcttgaac 20

<210> 252
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 252
agcttggagg cttgaa 16

<210> 253
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 253
cttggaggct tgaa 14

<210> 254
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 254
cagcttggag gcttga 16

<210> 255
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 255
gcttggaggc ttga 14

<210> 256
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 256
acagcttgga ggcttg 16

<210> 257
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 257
agcttggagg cttg 14

<210> 258
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 258
cacagcttgg aggctt 16

<210> 259
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 259
cagcttggag gctt 14

<210> 260
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 260
gcacagcttg gaggct 16

<210> 261
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 261
acagcttgga ggct 14

<210> 262
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 262
ggcacagctt ggaggc 16

<210> 263
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 263
cacagcttgg aggc 14

<210> 264
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 264
aggcacagct tggagg 16

<210> 265
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 265

gcacagcttg gagg 14

<210> 266
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 266
aaggcacagc ttggag 16

<210> 267
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 267
ggcacagctt ggag 14

<210> 268
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 268
cacccaaggc acagcttgga 20

<210> 269
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 269
caaggcacag cttgga 16

<210> 270
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 270
aggcacagct tgga 14

<210> 271
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 271
ccaaggcaca gcttgg 16

<210> 272
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 272
agccacccaa ggcacagctt 20

<210> 273
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 273
caaagccacc caaggcacag 20

<210> 274
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 274
ccccaaagcc acccaaggca 20

<210> 275
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 275
atgccccaaa gccacccaag 20

<210> 276
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 276
tccatgcccc aaagccaccc 20

<210> 277
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 277
atgtccatgc cccaaagcca 20

<210> 278
<211> 16

<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 278
ctccaaattc tttata 16

<210> 279
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 279
ccaaattctt tata 14

<210> 280
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 280
gctccaaatt ctttat 16

<210> 281
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 281
tccaaattct ttat 14

<210> 282
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 282
ctccaaattc ttta 14

<210> 283
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 283
gctccaaatt cttt 14

<210> 284
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 284
ggaaagaagt cagaaggcaa 20

<210> 285
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 285
gtgcgaatcc acactc 16

<210> 286
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 286
gcgaatccac actc 14

<210> 287
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 287
tgcgaatcca cact 14

<210> 288
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 288
gtgcgaatcc acac 14

<210> 289
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 289
gagggagttc ttcttctagg 20

<210> 290
<211> 16
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide

<400> 290
cgaggcgagg gagttc 16

<210> 291
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 291
aggcgaggga gttc 14

<210> 292
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 292
gcgaggcgag ggagtt 16

<210> 293
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 293
gaggcgaggg agtt 14

<210> 294
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 294
tgcgaggcga gggagt 16

<210> 295
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 295
cgaggcgagg gagt 14

<210> 296
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 296
ctgcgaggcg agggag 16

<210> 297
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 297
gcgaggcgag ggag 14

<210> 298
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 298
tctgcgaggc gaggga 16

<210> 299
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 299
ccgagattga gatcttctgc 20

<210> 300
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 300
cccaccttat gagtccaagg 20

<210> 301
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 301
tgttcccaag aatatggtga 20

<210> 302
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 302
tcccaagaat atggtg 16

<210> 303
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 303
ttcccaagaa tatggt 16

<210> 304
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 304
gttcccaaga atatgg 16

<210> 305
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 305
tgttcccaag aatatg 16

<210> 306
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 306
ttgttcccaa gaatat 16

<210> 307
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 307
tgttcccaag aata 14

<210> 308
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 308
gaaagaatcc cagaggattg 20

<210> 309

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

<220>
<223> Synthetic oligonucleotide

<400> 309
actgcatggc ctgaggatga 20

<210> 310
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 310
ccactgcatg gcctgaggat 20

<210> 311
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer

<400> 311
ccaaaccttc ggacggaaa 19

<210> 312
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer

<400> 312
tgaggcccac tcccatagg 19

<210> 313
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Probe

<400> 313
cccatcatcc tgggctttcg gaaaat 26

<210> 314
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer

<400> 314
atcctatcaa cacttccgga aact 24

<210> 315
<211> 16
<212> DNA

<213> Artificial Sequence

<220>
<223> Primer

<400> 315
cgacgcggcg attgag 16

<210> 316
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Probe

<400> 316
aagaactccc tcgcctcgca gacg 24

<210> 317
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer

<400> 317
ccgaccttga ggcatacttc a 21

<210> 318
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer

<400> 318
aatttatgcc tacagcctcc tagtaca 27

<210> 319
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Probe

<400> 319
ttaaagactg ggaggagttg 20

<210> 320
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 320
ccttccctga aggttcctcc 20

<210> 321
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 321
tggtgaaagg ttgtggaatt 20

<210> 322
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 322
gtttggtgaa aggttgtgga 20

<210> 323
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 323
agagtttggt gaaaggttgt 20

<210> 324
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 324
tgcagagttt ggtgaaaggt 20

<210> 325
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 325
tcttgcagag tttggtgaaa 20

<210> 326
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 326
ggatcttgca gagtttggtg 20

<210> 327
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 327
ctgggatctt gcagagtttg 20

<210> 328
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 328
actctgggat cttgcagagt 20

<210> 329
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 329
ctcactctgg gatcttgcag 20

<210> 330
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 330
cctctcactc tgggatcttg 20

<210> 331
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 331
aggcctctca ctctgggatc 20

<210> 332
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 332
tacaggcctc tcactctggg 20

<210> 333
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 333

aaatacaggc ctctcactct 20

<210> 334
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 334
gggaaataca ggcctctcac 20

<210> 335
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 335
gcagggaaat acaggcctct 20

<210> 336
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 336
ccagcaggga aatacaggcc 20

<210> 337
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 337
ccaccagcag ggaaatacag 20

<210> 338
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 338
gagccaccag cagggaaata 20

<210> 339
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 339
ctggagccac cagcagggaa 20

<210> 340
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 340
actggagcca ccagcaggga 20

<210> 341
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 341
aactggagcc accagcaggg 20

<210> 342
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 342
tgaactggag ccaccagcag 20

<210> 343
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 343
ctgaactgga gccaccagca 20

<210> 344
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 344
tcctgaactg gagccaccag 20

<210> 345
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 345
ctcctgaact ggagccacca 20

<210> 346
<211> 20

<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 346
tgctcctgaa ctggagccac 20

<210> 347
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 347
tactgctcct gaactggagc 20

<210> 348
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 348
gtttactgct cctgaactgg 20

<210> 349
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 349
agggtttact gctcctgaac 20

<210> 350
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 350
aacagggttt actgctcctg 20

<210> 351
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 351
cggaacaggg tttactgctc 20

<210> 352
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 352
agtcggaaca gggtttactg 20

<210> 353
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 353
agtagtcgga acagggttta 20

<210> 354
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 354
ggcagtagtc ggaacagggt 20

<210> 355
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 355
agaggcagta gtcggaacag 20

<210> 356
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 356
gggagaggca gtagtcggaa 20

<210> 357
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 357
taagggagag gcagtagtcg 20

<210> 358
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide

<400> 358
cgataaggga gaggcagtag 20

<210> 359
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 359
tgacgataag ggagaggcag 20

<210> 360
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 360
gattgacgat aagggagagg 20

<210> 361
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 361
gaagattgac gataagggag 20

<210> 362
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 362
cgagaagatt gacgataagg 20

<210> 363
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 363
cctcgagaag attgacgata 20

<210> 364
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 364
aatcctcgag aagattgacg 20

<210> 365
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 365
cccaatcctc gagaagattg 20

<210> 366
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 366
gtccccaatc ctcgagaaga 20

<210> 367
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 367
agggtcccca atcctcgaga 20

<210> 368
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 368
cgcagggtcc ccaatcctcg 20

<210> 369
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 369
cagcgcaggg tccccaatcc 20

<210> 370
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 370
gttcagcgca gggtccccaa 20

<210> 371
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 371
catgttcagc gcagggtccc 20

<210> 372
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 372
ctccatgttc agcgcagggt 20

<210> 373
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 373
gttctccatg ttcagcgcag 20

<210> 374
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 374
gatgttctcc atgttcagcg 20

<210> 375
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 375
tgtgatgttc tccatgttca 20

<210> 376
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 376
tcctgatgtg atgttctcca 20

<210> 377

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

<220>
<223> Synthetic oligonucleotide

<400> 377
gaatcctgat gtgatgttct 20

<210> 378
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 378
taggaatcct gatgtgatgt 20

<210> 379
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 379
tcctaggaat cctgatgtga 20

<210> 380
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 380
gggtcctagg aatcctgatg 20

<210> 381
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 381
cgcctgtaac acgagaaggg 20

<210> 382
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 382
ccccgcctgt aacacgagaa 20

<210> 383
<211> 20
<212> DNA

<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 383
aaaccccgcc tgtaacacga 20

<210> 384
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 384
aaaaccccgc ctgtaacacg 20

<210> 385
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 385
gaaaaacccc gcctgtaaca 20

<210> 386
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 386
agaaaaaccc cgcctgtaac 20

<210> 387
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 387
caagaaaaac cccgcctgta 20

<210> 388
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 388
caacaagaaa aaccccgcct 20

<210> 389
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 389
tcaacaagaa aaaccccgcc 20

<210> 390
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 390
tgtcaacaag aaaaaccccg 20

<210> 391
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 391
ttgtcaacaa gaaaaacccc 20

<210> 392
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 392
tcttgtcaac aagaaaaacc 20

<210> 393
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 393
gattcttgtc aacaagaaaa 20

<210> 394
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 394
gaggattctt gtcaacaaga 20

<210> 395
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 395
tgtgaggatt cttgtcaaca 20

<210> 396
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 396
tattgtgagg attcttgtca 20

<210> 397
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 397
cggtattgtg aggattcttg 20

<210> 398
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 398
ctgcggtatt gtgaggattc 20

<210> 399
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 399
actctgcggt attgtgagga 20

<210> 400
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 400
tagactctgc ggtattgtga 20

<210> 401
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 401

gtctagactc tgcggtattg 20

<210> 402
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 402
cgagtctaga ctctgcggta 20

<210> 403
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 403
ccacgagtct agactctgcg 20

<210> 404
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 404
accacgagtc tagactctgc 20

<210> 405
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 405
ccaccacgag tctagactct 20

<210> 406
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 406
tccaccacga gtctagactc 20

<210> 407
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 407
agtccaccac gagtctagac 20

<210> 408
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 408
aagtccacca cgagtctaga 20

<210> 409
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 409
attgagagaa gtccaccacg 20

<210> 410
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 410
aaaattgaga gaagtccacc 20

<210> 411
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 411
tagaaaattg agagaagtcc 20

<210> 412
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 412
ccctagaaaa ttgagagaag 20

<210> 413
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 413
tccccctaga aaattgagag 20

<210> 414
<211> 20

<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 414
agttcccct agaaaattga 20

<210> 415
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 415
ggtagttccc cctagaaaat 20

<210> 416
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 416
cacggtagtt ccccctagaa 20

<210> 417
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 417
acacacggta gttccccta 20

<210> 418
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 418
aagacacacg gtagttcccc 20

<210> 419
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 419
gccaagacac acggtagttc 20

<210> 420
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 420
ttggccaaga cacacggtag 20

<210> 421
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 421
tttggccaag acacacggta 20

<210> 422
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 422
ttttggccaa gacacacggt 20

<210> 423
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 423
aattttggcc aagacacacg 20

<210> 424
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 424
gaattttggc caagacacac 20

<210> 425
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 425
tgcgaatttt ggccaagaca 20

<210> 426
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide

<400> 426
actgcgaatt ttggccaaga 20

<210> 427
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 427
gactgcgaat tttggccaag 20

<210> 428
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 428
gggactgcga attttggcca 20

<210> 429
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 429
gtgagtgatt ggaggttggg 20

<210> 430
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 430
ttggtgagtg attggaggtt 20

<210> 431
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 431
aggttggtga gtgattggag 20

<210> 432
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 432
aggaggttgg tgagtgattg 20

<210> 433
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 433
gacaggaggt tggtgagtga 20

<210> 434
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 434
gaggacagga ggttggtgag 20

<210> 435
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 435
ttggaggaca ggaggttggt 20

<210> 436
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 436
aagttggagg acaggaggtt 20

<210> 437
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 437
gacaagttgg aggacaggag 20

<210> 438
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 438
caggacaagt tggaggacag 20

<210> 439
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 439
aaccaggaca agttggagga 20

<210> 440
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 440
gataaccagg acaagttgga 20

<210> 441
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 441
agcgataacc aggacaagtt 20

<210> 442
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 442
cagcgataac caggacaagt 20

<210> 443
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 443
ccagcgataa ccaggacaag 20

<210> 444
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 444
atccagcgat aaccaggaca 20

<210> 445

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

<220>
<223> Synthetic oligonucleotide

<400> 445
catccagcga taaccaggac 20

<210> 446
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 446
cacatccagc gataaccagg 20

<210> 447
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 447
acacatccag cgataaccag 20

<210> 448
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 448
agacacatcc agcgataacc 20

<210> 449
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 449
cagacacatc cagcgataac 20

<210> 450
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 450
cgcagacaca tccagcgata 20

<210> 451
<211> 20
<212> DNA

<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 451
cgccgcagac acatccagcg 20

<210> 452
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 452
agaggaagat gataaaacgc 20

<210> 453
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 453
tgaagaggaa gatgataaaa 20

<210> 454
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 454
ggatgaagag gaagatgata 20

<210> 455
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 455
gcaggatgaa gaggaagatg 20

<210> 456
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 456
gcagcaggat gaagaggaag 20

<210> 457
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 457
atagcagcag gatgaagagg 20

<210> 458
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 458
ggcatagcag caggatgaag 20

<210> 459
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 459
aggcatagca gcaggatgaa 20

<210> 460
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 460
gaggcatagc agcaggatga 20

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

<220>
<223> Synthetic oligonucleotide

<400> 461
caagaagatg aggcatagca 20

<210> 462
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 462
caacaagaag atgaggcata 20

<210> 463
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 463
aaccaacaag aagatgaggc 20

<210> 464
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 464
aagaaccaac aagaagatga 20

<210> 465
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 465
cagaagaacc aacaagaaga 20

<210> 466
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 466
gtccagaaga accaacaaga 20

<210> 467
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 467
atagtccaga agaaccaaca 20

<210> 468
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 468
ttgatagtcc agaagaacca 20

<210> 469
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 469

accttgatag tccagaagaa 20

<210> 470
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 470
cataccttga tagtccagaa 20

<210> 471
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 471
caacatacct tgatagtcca 20

<210> 472
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 472
gggcaacata ccttgatagt 20

<210> 473
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 473
aacgggcaac ataccttgat 20

<210> 474
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 474
aaacgggcaa cataccttga 20

<210> 475
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 475
acaaacgggc aacatacctt 20

<210> 476
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 476
gacaaacggg caacatacct 20

<210> 477
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 477
aggacaaacg ggcaacatac 20

<210> 478
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 478
tagaggacaa acgggcaaca 20

<210> 479
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 479
aattagagga caaacgggca 20

<210> 480
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 480
tggaattaga ggacaaacgg 20

<210> 481
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 481
ctggaattag aggacaaacg 20

<210> 482
<211> 20

<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 482
tcctggaatt agaggacaaa 20

<210> 483
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 483
atcctggaat tagaggacaa 20

<210> 484
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 484
ggatcctgga attagaggac 20

<210> 485
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 485
tgaggatcct ggaattagag 20

<210> 486
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 486
ggttgaggat cctggaatta 20

<210> 487
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 487
ggtggttgag gatcctggaa 20

<210> 488
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 488
gctggtggtt gaggatcctg 20

<210> 489
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 489
cgtgctggtg gttgaggatc 20

<210> 490
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 490
tcccgtgctg gtggttgagg 20

<210> 491
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 491
tggtcccgtg ctggtggttg 20

<210> 492
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 492
gcatggtccc gtgctggtgg 20

<210> 493
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 493
tcggcatggt cccgtgctgg 20

<210> 494
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide

<400> 494
ggttcggcat ggtcccgtgc 20

<210> 495
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 495
gcaggttcgg catggtcccg 20

<210> 496
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 496
catgcaggtt cggcatggtc 20

<210> 497
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 497
agtcatgcag gttcggcatg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 498
agtagtcatg caggttcggc 20

<210> 499
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 499
agcagtagtc atgcaggttc 20

<210> 500
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 500
ttgagcagta gtcatgcagg 20

<210> 501
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 501
tccttgagca gtagtcatgc 20

<210> 502
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 502
ggttccttga gcagtagtca 20

<210> 503
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 503
agaggttcct tgagcagtag 20

<210> 504
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 504
catagaggtt ccttgagcag 20

<210> 505
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 505
atacatagag gttccttgag 20

<210> 506
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 506
gggatacata gaggttcctt 20

<210> 507
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 507
ggagggatac atagaggttc 20

<210> 508
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 508
acaggaggga tacatagagg 20

<210> 509
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 509
gcaacaggag ggatacatag 20

<210> 510
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 510
acagcaacag gagggataca 20

<210> 511
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 511
ggtacagcaa caggagggat 20

<210> 512
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 512
tttggtacag caacaggagg 20

<210> 513

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

<220>
<223> Synthetic oligonucleotide

<400> 513
aggtttggta cagcaacagg 20

<210> 514
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 514
cgaaggtttg gtacagcaac 20

<210> 515
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 515
gtccgaaggt ttggtacagc 20

<210> 516
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 516
tccgtccgaa ggtttggtac 20

<210> 517
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 517
atttccgtcc gaaggtttgg 20

<210> 518
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 518
gcaatttccg tccgaaggtt 20

<210> 519
<211> 20
<212> DNA

<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 519
ggtgcaattt ccgtccgaag 20

<210> 520
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 520
acaggtgcaa tttccgtccg 20

<210> 521
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 521
aatacaggtg caatttccgt 20

<210> 522
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 522
gggaatacag gtgcaatttc 20

<210> 523
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 523
gatgggaata caggtgcaat 20

<210> 524
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 524
agcccaggat gatgggatgg 20

<210> 525
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 525
gaaagcccag gatgatggga 20

<210> 526
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 526
tccgaaagcc caggatgatg 20

<210> 527
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 527
ttttccgaaa gcccaggatg 20

<210> 528
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 528
gaattttccg aaagcccagg 20

<210> 529
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 529
taggaatttt ccgaaagccc 20

<210> 530
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 530
ccataggaat tttccgaaag 20

<210> 531
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 531
ctcccatagg aattttccga 20

<210> 532
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 532
ccactcccat aggaattttc 20

<210> 533
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 533
ggcccactcc cataggaatt 20

<210> 534
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 534
tgaggcccac tcccatagga 20

<210> 535
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 535
ggctgaggcc cactcccata 20

<210> 536
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 536
acgggctgag gcccactccc 20

<210> 537
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 537

gaaacgggct gaggcccact 20

<210> 538
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 538
ggagaaacgg gctgaggccc 20

<210> 539
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 539
ccaggagaaa cgggctgagg 20

<210> 540
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 540
gagccaggag aaacgggctg 20

<210> 541
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 541
actgagccag gagaaacggg 20

<210> 542
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 542
taaactgagc caggagaaac 20

<210> 543
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 543
tagtaaactg agccaggaga 20

<210> 544
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 544
cactagtaaa ctgagccagg 20

<210> 545
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 545
gcactagtaa actgagccag 20

<210> 546
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 546
tggcactagt aaactgagcc 20

<210> 547
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 547
atggcactag taaactgagc 20

<210> 548
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 548
aaatggcact agtaaactga 20

<210> 549
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 549
aacaaatggc actagtaaac 20

<210> 550
<211> 20

<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 550
gaacaaatgg cactagtaaa 20

<210> 551
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 551
ctgaacaaat ggcactagta 20

<210> 552
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 552
actgaacaaa tggcactagt 20

<210> 553
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 553
ccactgaaca aatggcacta 20

<210> 554
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 554
accactgaac aaatggcact 20

<210> 555
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 555
gaaccactga acaaatggca 20

<210> 556
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 556
tacgaaccac tgaacaaatg 20

<210> 557
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 557
ctacgaacca ctgaacaaat 20

<210> 558
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 558
ccctacgaac cactgaacaa 20

<210> 559
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 559
gccctacgaa ccactgaaca 20

<210> 560
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 560
aagccctacg aaccactgaa 20

<210> 561
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 561
aaagccctac gaaccactga 20

<210> 562
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide

<400> 562
ggaaagccct acgaaccact 20

<210> 563
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 563
gggaaagccc tacgaaccac 20

<210> 564
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 564
actgaaagcc aaacagtggg 20

<210> 565
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 565
ataactgaaa gccaaacagt 20

<210> 566
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 566
catataactg aaagccaaac 20

<210> 567
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 567
atccatataa ctgaaagcca 20

<210> 568
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 568
atcatccata taactgaaag 20

<210> 569
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 569
cacatcatcc atataactga 20

<210> 570
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 570
taccacatca tccatataac 20

<210> 571
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 571
caataccaca tcatccatat 20

<210> 572
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 572
ccccaatacc acatcatcca 20

<210> 573
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 573
ggcccccaat accacatcat 20

<210> 574
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 574
cttggccccc aataccacat 20

<210> 575
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 575
agacttggcc cccaatacca 20

<210> 576
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 576
tacagacttg gcccccaata 20

<210> 577
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 577
ctgtacagac ttggccccca 20

<210> 578
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 578
atgctgtaca gacttggccc 20

<210> 579
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 579
aagatgctgt acagacttgg 20

<210> 580
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 580
ctcaagatgc tgtacagact 20

<210> 581

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

<220>
<223> Synthetic oligonucleotide

<400> 581
ggactcaaga tgctgtacag 20

<210> 582
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 582
aagggactca agatgctgta 20

<210> 583
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 583
aaaaagggac tcaagatgct 20

<210> 584
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 584
ggtaaaaagg gactcaagat 20

<210> 585
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 585
agcggtaaaa agggactcaa 20

<210> 586
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 586
aacagcggta aaaagggact 20

<210> 587
<211> 20
<212> DNA

<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 587
ggtaacagcg gtaaaaaggg 20

<210> 588
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 588
attggtaaca gcggtaaaaa 20

<210> 589
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 589
aaaattggta acagcggtaa 20

<210> 590
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 590
aagaaaattg gtaacagcgg 20

<210> 591
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 591
caaaagaaaa ttggtaacag 20

<210> 592
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 592
agacaaaaga aaattggtaa 20

<210> 593
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 593
caaagacaaa agaaaattgg 20

<210> 594
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 594
acccaaagac aaaagaaaat 20

<210> 595
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 595
tatacccaaa gacaaaagaa 20

<210> 596
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 596
atgtataccc aaagacaaaa 20

<210> 597
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 597
taaatgtata cccaaagaca 20

<210> 598
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 598
gtttaaatgt atacccaaag 20

<210> 599
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 599
ggtttaaatg tatacccaaa 20

<210> 600
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 600
gggtttaaat gtatacccaa 20

<210> 601
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 601
tagggtttaa atgtataccc 20

<210> 602
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 602
ttagggttta aatgtatacc 20

<210> 603
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 603
tgttagggtt taaatgtata 20

<210> 604
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 604
ttttgttagg gtttaaatgt 20

<210> 605
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 605

aaccccatct ctttgttttg 20

<210> 606
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 606
agtaacccca tctctttgtt 20

<210> 607
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 607
gagagtaacc ccatctcttt 20

<210> 608
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 608
tcagagagta accccatctc 20

<210> 609
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 609
aattcagaga gtaaccccat 20

<210> 610
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 610
taaaattcag agagtaaccc 20

<210> 611
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 611
ccataaaatt cagagagtaa 20

<210> 612
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 612
aacccataaa attcagagag 20

<210> 613
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 613
cataacccat aaaattcaga 20

<210> 614
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 614
tgacataacc cataaaattc 20

<210> 615
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 615
caatgacata acccataaaa 20

<210> 616
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 616
ttccaatgac ataacccata 20

<210> 617
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 617
aacttccaat gacataaccc 20

<210> 618
<211> 20

<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 618
cataacttcc aatgacataa 20

<210> 619
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 619
acccataact tccaatgaca 20

<210> 620
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 620
aggacccata acttccaatg 20

<210> 621
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 621
gcaaggaccc ataacttcca 20

<210> 622
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 622
gtggcaagga cccataactt 20

<210> 623
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 623
cttgtggcaa ggacccataa 20

<210> 624
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 624
gttcttgtgg caaggaccca 20

<210> 625
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 625
tgtgttcttg tggcaaggac 20

<210> 626
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 626
tgatgtgttc ttgtggcaag 20

<210> 627
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 627
gtatgatgtg ttcttgtggc 20

<210> 628
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 628
tttgtatgat gtgttcttgt 20

<210> 629
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 629
aaacattctt tgatttttg 20

<210> 630
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide

<400> 630
ctaaaacatt ctttgatttt 20

<210> 631
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 631
tttctaaaac attctttgat 20

<210> 632
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 632
agttttctaa aacattcttt 20

<210> 633
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 633
ggaagtttc taaaacattc 20

<210> 634
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 634
ataggaagtt ttctaaaaca 20

<210> 635
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 635
ttaataggaa gttttctaaa 20

<210> 636
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 636
ctgttaatag gaagttttct 20

<210> 637
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 637
ggcctgttaa taggaagttt 20

<210> 638
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 638
ataggcctgt taataggaag 20

<210> 639
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 639
tcaataggcc tgttaatagg 20

<210> 640
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 640
caatcaatag gcctgttaat 20

<210> 641
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 641
ttccaatcaa taggcctgtt 20

<210> 642
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 642
actttccaat caataggcct 20

<210> 643
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 643
catactttcc aatcaatagg 20

<210> 644
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 644
tgacatactt tccaatcaat 20

<210> 645
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 645
cgttgacata ctttccaatc 20

<210> 646
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 646
cccaaaagac ccacaattcg 20

<210> 647
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 647
aaacccaaaa gacccacaat 20

<210> 648
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 648
gcaaaaccca aaagacccac 20

<210> 649

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

<220>
<223> Synthetic oligonucleotide

<400> 649
gcagcaaaac ccaaaagacc 20

<210> 650
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 650
aaccacattg tgtaaatggg 20

<210> 651
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 651
gataaccaca ttgtgtaaat 20

<210> 652
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 652
caggataacc acattgtgta 20

<210> 653
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 653
acgcaggata accacattgt 20

<210> 654
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 654
ttaacgcagg ataaccacat 20

<210> 655
<211> 20
<212> DNA

<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 655
gcattaacgc aggataacca 20

<210> 656
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 656
agggcattaa cgcaggataa 20

<210> 657
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 657
acaagggcat taacgcagga 20

<210> 658
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 658
catacaaggg cattaacgca 20

<210> 659
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 659
atgcatacaa gggcattaac 20

<210> 660
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 660
tacatgcata caagggcatt 20

<210> 661
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 661
gaatacatgc atacaagggc 20

<210> 662
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 662
attgaataca tgcatacaag 20

<210> 663
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 663
tagattgaat acatgcatac 20

<210> 664
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 664
gcttagattg aatacatgca 20

<210> 665
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 665
cctgcttaga ttgaatacat 20

<210> 666
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 666
aagcctgctt agattgaata 20

<210> 667
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 667
tgaaagcctg cttagattga 20

<210> 668
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 668
aagtgaaagc ctgcttagat 20

<210> 669
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 669
agaaagtgaa agcctgctta 20

<210> 670
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 670
gcgagaaagt gaaagcctgc 20

<210> 671
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 671
ttggcgagaa agtgaaagcc 20

<210> 672
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 672
aagttggcga gaaagtgaaa 20

<210> 673
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 673

tgtaagttgg cgagaaagtg 20

<210> 674
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 674
ccttgtaagt tggcgagaaa 20

<210> 675
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 675
aggccttgta agttggcgag 20

<210> 676
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 676
gaaaggcctt gtaagttggc 20

<210> 677
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 677
acagaaaggc cttgtaagtt 20

<210> 678
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 678
tacacagaaa ggccttgtaa 20

<210> 679
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 679
gtttacacag aaaggccttg 20

<210> 680
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 680
attgtttaca cagaaaggcc 20

<210> 681
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 681
ggtattgttt acacagaaag 20

<210> 682
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 682
tcaggtattg tttacacaga 20

<210> 683
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 683
ggttcaggta ttgtttacac 20

<210> 684
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 684
aaaggttcag gtattgttta 20

<210> 685
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 685
ggtaaaggtt caggtattgt 20

<210> 686
<211> 20

<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 686
tggccgttgc cgggcaacgg 20

<210> 687
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 687
acctggccgt tgccgggcaa 20

<210> 688
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 688
cagacctggc cgttgccggg 20

<210> 689
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 689
gcacagacct ggccgttgcc 20

<210> 690
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 690
ttggcacaga cctggccgtt 20

<210> 691
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 691
cacttggcac agacctggcc 20

<210> 692
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 692
aaacacttgg cacagacctg 20

<210> 693
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 693
caaacacttg gcacagacct 20

<210> 694
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 694
agcaaacact tggcacagac 20

<210> 695
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 695
cagcaaacac ttggcacaga 20

<210> 696
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 696
gtcagcaaac acttggcaca 20

<210> 697
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 697
accaagcccc agccagtggg 20

<210> 698
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide

<400> 698
atgaccaagc cccagccagt 20

<210> 699
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 699
cccatgacca agccccagcc 20

<210> 700
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 700
tggcccatga ccaagcccca 20

<210> 701
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 701
tgatggccca tgaccaagcc 20

<210> 702
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 702
cgctgatggc ccatgaccaa 20

<210> 703
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 703
acgcgctgat ggcccatgac 20

<210> 704
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 704
cgcacgcgct gatggcccat 20

<210> 705
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 705
ccacgcacgc gctgatggcc 20

<210> 706
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 706
gttccacgca cgcgctgatg 20

<210> 707
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 707
aaggttccac gcacgcgctg 20

<210> 708
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 708
gaaaaggttc cacgcacgcg 20

<210> 709
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 709
gccgaaaagg ttccacgcac 20

<210> 710
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 710
ggagccgaaa aggttccacg 20

<210> 711
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 711
agaggagccg aaaaggttcc 20

<210> 712
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 712
ggcagaggag ccgaaaaggt 20

<210> 713
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 713
atcggcagag gagccgaaaa 20

<210> 714
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 714
tggatcggca gaggagccga 20

<210> 715
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 715
gtatggatcg gcagaggagc 20

<210> 716
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 716
gcagtatgga tcggcagagg 20

<210> 717

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

<220>
<223> Synthetic oligonucleotide

<400> 717
cgcagtatgg atcggcagag 20

<210> 718
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 718
tccgcagtat ggatcggcag 20

<210> 719
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 719
ttccgcagta tggatcggca 20

<210> 720
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 720
agttccgcag tatggatcgg 20

<210> 721
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 721
gagttccgca gtatggatcg 20

<210> 722
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 722
aggagttccg cagtatggat 20

<210> 723
<211> 20
<212> DNA

<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 723
gctaggagtt ccgcagtatg 20

<210> 724
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 724
gcggctagga gttccgcagt 20

<210> 725
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 725
caagcggcta ggagttccgc 20

<210> 726
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 726
aaacaagcgg ctaggagttc 20

<210> 727
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 727
gcaaaacaag cggctaggag 20

<210> 728
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 728
agcaaaacaa gcggctagga 20

<210> 729
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 729
cgagcaaaac aagcggctag 20

<210> 730
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 730
gcgagcaaaa caagcggcta 20

<210> 731
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 731
ctgcgagcaa aacaagcggc 20

<210> 732
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 732
gctgcgagca aaacaagcgg 20

<210> 733
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 733
ctgctgcgag caaaacaagc 20

<210> 734
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 734
gacctgctgc gagcaaaaca 20

<210> 735
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 735
ccagacctgc tgcgagcaaa 20

<210> 736
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 736
gctccagacc tgctgcgagc 20

<210> 737
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 737
tttgctccag acctgctgcg 20

<210> 738
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 738
atgtttgctc cagacctgct 20

<210> 739
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 739
ataatgtttg ctccagacct 20

<210> 740
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 740
ccgataatgt ttgctccaga 20

<210> 741
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 741

gtcccgataa tgtttgctcc 20

<210> 742
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 742
tcagtcccga taatgtttgc 20

<210> 743
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 743
ttatcagtcc cgataatgtt 20

<210> 744
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 744
gagttatcag tcccgataat 20

<210> 745
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 745
acagagttat cagtcccgat 20

<210> 746
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 746
acaacagagt tatcagtccc 20

<210> 747
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 747
aggacaacag agttatcagt 20

<210> 748
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 748
gagaggacaa cagagttatc 20

<210> 749
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 749
cgggagagga caacagagtt 20

<210> 750
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 750
ttgcgggaga ggacaacaga 20

<210> 751
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 751
tatttgcggg agaggacaac 20

<210> 752
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 752
gtatatttgc gggagaggac 20

<210> 753
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 753
gatgtatatt tgcgggagag 20

<210> 754
<211> 20

<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 754
tacgatgtat atttgcggga 20

<210> 755
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 755
ggatacgatg tatatttgcg 20

<210> 756
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 756
catggatacg atgtatattt 20

<210> 757
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 757
agccatggat acgatgtata 20

<210> 758
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 758
agcagccatg gatacgatgt 20

<210> 759
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 759
cctagcagcc atggatacga 20

<210> 760
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 760
cagcctagca gccatggata 20

<210> 761
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 761
gcacagccta gcagccatgg 20

<210> 762
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 762
gcagcacagc ctagcagcca 20

<210> 763
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 763
ttggcagcac agcctagcag 20

<210> 764
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 764
cagttggcag cacagcctag 20

<210> 765
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 765
atccagttgg cagcacagcc 20

<210> 766
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide

<400> 766
aggatccagt tggcagcaca 20

<210> 767
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 767
cgcaggatcc agttggcagc 20

<210> 768
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 768
ccgcgcagga tccagttggc 20

<210> 769
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 769
gtcccgcgca ggatccagtt 20

<210> 770
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 770
agcgaccccg agaagggtcg 20

<210> 771
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 771
ccaagcgacc ccgagaaggg 20

<210> 772
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 772
gtcccaagcg accccgagaa 20

<210> 773
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 773
agagtcccaa gcgaccccga 20

<210> 774
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 774
gagagagtcc caagcgaccc 20

<210> 775
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 775
gacgagagag tcccaagcga 20

<210> 776
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 776
gaacggcaga cggagaaggg 20

<210> 777
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 777
cggtcggaac ggcagacgga 20

<210> 778
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 778
ggtcggtcgg aacggcagac 20

<210> 779
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 779
cgtggtcggt cggaacggca 20

<210> 780
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 780
ccccgtggtc ggtcggaacg 20

<210> 781
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 781
gcgccccgtg gtcggtcgga 20

<210> 782
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 782
ggtgcgcccc gtggtcggtc 20

<210> 783
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 783
aggtgcgccc cgtggtcggt 20

<210> 784
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 784
agaggtgcgc cccgtggtcg 20

<210> 785

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

<220>
<223> Synthetic oligonucleotide

<400> 785
gagaggtgcg ccccgtggtc 20

<210> 786
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 786
aagagaggtg cgccccgtgg 20

<210> 787
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 787
aaagagaggt gcgccccgtg 20

<210> 788
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 788
gtaaagagag gtgcgccccg 20

<210> 789
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 789
cgtaaagaga ggtgcgcccc 20

<210> 790
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 790
gatgagaagg cacagacggg 20

<210> 791
<211> 20
<212> DNA

<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 791
gcagatgaga aggcacagac 20

<210> 792
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 792
ccggcagatg agaaggcaca 20

<210> 793
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 793
ggtccggcag atgagaaggc 20

<210> 794
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 794
cacggtccgg cagatgagaa 20

<210> 795
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 795
gcacacggtc cggcagatga 20

<210> 796
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 796
agtgcacacg gtccggcaga 20

<210> 797
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 797
cgaagtgcac acggtccggc 20

<210> 798
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 798
aagcgaagtg cacacggtcc 20

<210> 799
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 799
gaagcgaagt gcacacggtc 20

<210> 800
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 800
tgaagcgaag tgcacacggt 20

<210> 801
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 801
ggtgaagcga agtgcacacg 20

<210> 802
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 802
aggtgaagcg aagtgcacac 20

<210> 803

<400> 803
000

<210> 804
<211> 20

<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 804
agaggtgaag cgaagtgcac 20

<210> 805
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 805
cagaggtgaa gcgaagtgca 20

<210> 806
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 806
tgcagaggtg aagcgaagtg 20

<210> 807
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 807
gtgcagaggt gaagcgaagt 20

<210> 808
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 808
acggtggtct ccatgcgacg 20

<210> 809
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 809
ttcacggtgg tctccatgcg 20

<210> 810
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 810
ccttgggcaa cattcggtgg 20

<210> 811
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 811
agaccttggg caacattcgg 20

<210> 812
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 812
gtaagacctt gggcaacatt 20

<210> 813
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 813
tatgtaagac cttgggcaac 20

<210> 814
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 814
tcttatgtaa gaccttgggc 20

<210> 815
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 815
tcctcttatg taagaccttg 20

<210> 816
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide

<400> 816
gagtcctctt atgtaagacc 20

<210> 817
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 817
caagagtcct cttatgtaag 20

<210> 818
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 818
gtccaagagt cctcttatgt 20

<210> 819
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 819
agagtccaag agtcctctta 20

<210> 820
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 820
cagagagtcc aagagtcctc 20

<210> 821
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 821
ttgcagagag tccaagagtc 20

<210> 822
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 822
acattgcaga gagtccaaga 20

<210> 823
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 823
ttgacattgc agagagtcca 20

<210> 824
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 824
gtatgcctca aggtcggtcg 20

<210> 825
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 825
gaagtatgcc tcaaggtcgg 20

<210> 826
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 826
tttgaagtat gcctcaaggt 20

<210> 827
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 827
gtctttgaag tatgcctcaa 20

<210> 828
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 828
acagtctttg aagtatgcct 20

<210> 829
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 829
caaacagtct ttgaagtatg 20

<210> 830
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 830
aaacaaacag tctttgaagt 20

<210> 831
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 831
tttaaacaaa cagtctttga 20

<210> 832
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 832
gtctttaaac aaacagtctt 20

<210> 833
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 833
ccagtcttta aacaaacagt 20

<210> 834
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 834
ctcccagtct ttaaacaaac 20

<210> 835

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

<220>
<223> Synthetic oligonucleotide

<400> 835
ctcctcccag tctttaaaca 20

<210> 836
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 836
caactcctcc cagtctttaa 20

<210> 837
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 837
ccccaactcc tcccagtctt 20

<210> 838
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 838
ctcccccaac tcctcccagt 20

<210> 839
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 839
ctcctccccc aactcctccc 20

<210> 840
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 840
aatctcctcc cccaactcct 20

<210> 841
<211> 20
<212> DNA

<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 841
tctaatctcc tcccccaact 20

<210> 842
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 842
taatctaatc tcctcccca 20

<210> 843
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 843
ctttaatcta atctcctccc 20

<210> 844
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 844
gacctttaat ctaatctcct 20

<210> 845
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 845
aaagaccttt aatctaatct 20

<210> 846
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 846
tacaaagacc tttaatctaa 20

<210> 847
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 847
tagtacaaag acctttaatc 20

<210> 848
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 848
tcctagtaca aagaccttta 20

<210> 849
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 849
gcctcctagt acaaagacct 20

<210> 850
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 850
acagcctcct agtacaaaga 20

<210> 851
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 851
cctacagcct cctagtacaa 20

<210> 852
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 852
atgcctacag cctcctagta 20

<210> 853
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 853
tttatgccta cagcctccta 20

<210> 854
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 854
atttatgcct acagcctcct 20

<210> 855
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 855
gaccaattta tgcctacagc 20

<210> 856
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 856
agaccaattt atgcctacag 20

<210> 857
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 857
gcagaccaat ttatgcctac 20

<210> 858
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 858
tgcgcagacc aatttatgcc 20

<210> 859
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 859

tggtgcgcag accaatttat 20

<210> 860
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 860
tgctggtgcg cagaccaatt 20

<210> 861
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 861
tggtgctggt gcgcagacca 20

<210> 862
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 862
gcatggtgct ggtgcgcaga 20

<210> 863
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 863
gttgcatggt gctggtgcgc 20

<210> 864
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 864
aaaagttgca tggtgctggt 20

<210> 865
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 865
tgaaaaagtt gcatggtgct 20

<210> 866
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 866
aggtgaaaaa gttgcatggt 20

<210> 867
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 867
cagaggtgaa aaagttgcat 20

<210> 868
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 868
aggcagaggt gaaaaagttg 20

<210> 869
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 869
attaggcaga ggtgaaaaag 20

<210> 870
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 870
gattaggcag aggtgaaaaa 20

<210> 871
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 871
atgattaggc agaggtgaaa 20

<210> 872
<211> 20

<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 872
gagatgatta ggcagaggtg 20

<210> 873
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 873
caagagatga ttaggcagag 20

<210> 874
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 874
gaacaagaga tgattaggca 20

<210> 875
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 875
catgaacaag agatgattag 20

<210> 876
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 876
ggacatgaac aagagatgat 20

<210> 877
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 877
gtaggacatg aacaagagat 20

<210> 878
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 878
acagtaggac atgaacaaga 20

<210> 879
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 879
tgaacagtag gacatgaaca 20

<210> 880
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 880
gcttgaacag taggacatga 20

<210> 881
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 881
gaggcttgaa cagtaggaca 20

<210> 882
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 882
ttggaggctt gaacagtagg 20

<210> 883
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 883
cagcttggag gcttgaacag 20

<210> 884
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide

<400> 884
cccaaggcac agcttggagg 20

<210> 885
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 885
ccacccaagg cacagcttgg 20

<210> 886
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 886
aagccaccca aggcacagct 20

<210> 887
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 887
ccaaagccac ccaaggcaca 20

<210> 888
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 888
gccccaaagc cacccaaggc 20

<210> 889
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 889
catgccccaa agccacccaa 20

<210> 890
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 890
gtccatgccc caaagccacc 20

<210> 891
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 891
gatgtccatg ccccaaagcc 20

<210> 892
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 892
gtcgatgtcc atgccccaaa 20

<210> 893
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 893
agggtcgatg tccatgcccc 20

<210> 894
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 894
ataagggtcg atgtccatgc 20

<210> 895
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 895
tttataaggg tcgatgtcca 20

<210> 896
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 896
ttctttataa gggtcgatgt 20

<210> 897
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 897
aaattcttta taagggtcga 20

<210> 898
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 898
tccaaattct ttataagggt 20

<210> 899
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 899
agctccaaat tctttataag 20

<210> 900
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 900
agtagctcca aattctttat 20

<210> 901
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 901
cacagtagct ccaaattctt 20

<210> 902
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 902
ctccacagta gctccaaatt 20

<210> 903

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

<220>
<223> Synthetic oligonucleotide

<400> 903
taactccaca gtagctccaa 20

<210> 904
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 904
gagtaactcc acagtagctc 20

<210> 905
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 905
cgagagtaac tccacagtag 20

<210> 906
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 906
aaacgagagt aactccacag 20

<210> 907
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 907
caaaaacgag agtaactcca 20

<210> 908
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 908
aggcaaaaac gagagtaact 20

<210> 909
<211> 20
<212> DNA

<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 909
agaaggcaaa aacgagagta 20

<210> 910
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 910
gtcagaaggc aaaaacgaga 20

<210> 911
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 911
gaagtcagaa ggcaaaaacg 20

<210> 912
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 912
aaagaagtca gaaggcaaaa 20

<210> 913
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 913
aggaaagaag tcagaaggca 20

<210> 914
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 914
tgaaggaaag aagtcagaag 20

<210> 915
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 915
tactgaagga aagaagtcag 20

<210> 916
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 916
gcggtatcta gaagatctcg 20

<210> 917
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 917
gaggcggtat ctagaagatc 20

<210> 918
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 918
gctgaggcgg tatctagaag 20

<210> 919
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 919
agagctgagg cggtatctag 20

<210> 920
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 920
tacagagctg aggcggtatc 20

<210> 921
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 921
cgatacagag ctgaggcggt 20

<210> 922
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 922
tcccgataca gagctgaggc 20

<210> 923
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 923
gcttcccgat acagagctga 20

<210> 924
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 924
aaggcttccc gatacagagc 20

<210> 925
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 925
tctaaggctt cccgatacag 20

<210> 926
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 926
gactctaagg cttcccgata 20

<210> 927
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 927

ggagactcta aggcttcccg 20

<210> 928
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 928
tcaggagact ctaaggcttc 20

<210> 929
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 929
tgctcaggag actctaaggc 20

<210> 930
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 930
caatgctcag gagactctaa 20

<210> 931
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 931
gaacaatgct caggagactc 20

<210> 932
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 932
ggtgaacaat gctcaggaga 20

<210> 933
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 933
tgaggtgaac aatgctcagg 20

<210> 934
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 934
tggtgaggtg aacaatgctc 20

<210> 935
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 935
gtatggtgag gtgaacaatg 20

<210> 936
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 936
gcagtatggt gaggtgaaca 20

<210> 937
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 937
agtgcagtat ggtgaggtga 20

<210> 938
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 938
ctgagtgcag tatggtgagg 20

<210> 939
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 939
tgcctgagtg cagtatggtg 20

<210> 940
<211> 20

<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 940
gcttgcctga gtgcagtatg 20

<210> 941
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 941
attgcttgcc tgagtgcagt 20

<210> 942
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 942
agaattgctt gcctgagtgc 20

<210> 943
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 943
caaagaattg cttgcctgag 20

<210> 944
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 944
cagcaaagaa ttgcttgcct 20

<210> 945
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 945
ccccagcaaa gaattgcttg 20

<210> 946
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 946
tccccccagc aaagaattgc 20

<210> 947
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 947
agttcccccc agcaaagaat 20

<210> 948
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 948
attagttccc cccagcaaag 20

<210> 949
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 949
gtcattagtt ccccccagca 20

<210> 950
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 950
agagtcatta gttcccccca 20

<210> 951
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 951
gctagagtca ttagttcccc 20

<210> 952
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide

<400> 952
gtagctagag tcattagttc 20

<210> 953
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 953
caggtagcta gagtcattag 20

<210> 954
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 954
acccaggtag ctagagtcat 20

<210> 955
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 955
cccacccagg tagctagagt 20

<210> 956
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 956
acacccaccc aggtagctag 20

<210> 957
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 957
ttaacaccca cccaggtagc 20

<210> 958
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 958
aaattaacac ccacccaggt 20

<210> 959
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 959
tccaaattaa cacccaccca 20

<210> 960
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 960
tcttccaaat taacacccac 20

<210> 961
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 961
ggatcttcca aattaacacc 20

<210> 962
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 962
gctggatctt ccaaattaac 20

<210> 963
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 963
gatgctggat cttccaaatt 20

<210> 964
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 964
ctagatgctg gatcttccaa 20

<210> 965
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 965
tctctagatg ctggatcttc 20

<210> 966
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 966
aggtctctag atgctggatc 20

<210> 967
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 967
actaggtctc tagatgctgg 20

<210> 968
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 968
actactaggt ctctagatgc 20

<210> 969
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 969
ctgactacta ggtctctaga 20

<210> 970
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 970
taactgacta ctaggtctct 20

<210> 971

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

<220>
<223> Synthetic oligonucleotide

<400> 971
acataactga ctactaggtc 20

<210> 972
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 972
ttgacataac tgactactag 20

<210> 973
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 973
gtgttgacat aactgactac 20

<210> 974
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 974
ttagtgttga cataactgac 20

<210> 975
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 975
atattagtgt tgacataact 20

<210> 976
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 976
cccatattag tgttgacata 20

<210> 977
<211> 20
<212> DNA

<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 977
aggcccatat tagtgttgac 20

<210> 978
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 978
tttaggccca tattagtgtt 20

<210> 979
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 979
aactttaggc ccatattagt 20

<210> 980
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 980
ctgaacttta ggcccatatt 20

<210> 981
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 981
tgcctgaact ttaggcccat 20

<210> 982
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 982
agttgcctga actttaggcc 20

<210> 983
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 983
aagagttgcc tgaactttag 20

<210> 984
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 984
cacaagagtt gcctgaactt 20

<210> 985
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 985
aaccacaaga gttgcctgaa 20

<210> 986
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 986
tgaaaccaca agagttgcct 20

<210> 987
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 987
atgtgaaacc acaagagttg 20

<210> 988
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 988
gaaatgtgaa accacaagag 20

<210> 989
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 989
caagaaatgt gaaaccacaa 20

<210> 990
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 990
agacaagaaa tgtgaaacca 20

<210> 991
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 991
gtgagacaag aaatgtgaaa 20

<210> 992
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 992
aaagtgagac aagaaatgtg 20

<210> 993
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 993
ccaaaagtga gacaagaaat 20

<210> 994
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 994
cttccaaaag tgagacaaga 20

<210> 995
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 995

tctcttccaa aagtgagaca 20

<210> 996
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 996
gtttctcttc caaaagtgag 20

<210> 997
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 997
acggtttctc ttccaaaagt 20

<210> 998
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 998
ataacggttt ctcttccaaa 20

<210> 999
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 999
tctataacgg tttctcttcc 20

<210> 1000
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1000
tactctataa cggtttctct 20

<210> 1001
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1001
aaatactcta taacggtttc 20

<210> 1002
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1002
accaaatact ctataacggt 20

<210> 1003
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1003
gacaccaaat actctataac 20

<210> 1004
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1004
aaagacacca aatactctat 20

<210> 1005
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1005
ccgaaagaca ccaaatactc 20

<210> 1006
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1006
actccgaaag acaccaaata 20

<210> 1007
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1007
cacactccga aagacaccaa 20

<210> 1008
<211> 20

<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1008
atccacactc cgaaagacac 20

<210> 1009
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1009
cgaatccaca ctccgaaaga 20

<210> 1010
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1010
gtgcgaatcc acactccgaa 20

<210> 1011
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1011
ggagtgcgaa tccacactcc 20

<210> 1012
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1012
ggaggagtgc gaatccacac 20

<210> 1013
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1013
gctggaggag tgcgaatcca 20

<210> 1014
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1014
taagctggag gagtgcgaat 20

<210> 1015
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1015
ctataagctg gaggagtgcg 20

<210> 1016
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1016
ggtctataag ctggaggagt 20

<210> 1017
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1017
ggtggtctat aagctggagg 20

<210> 1018
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1018
tttggtggtc tataagctgg 20

<210> 1019
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1019
gcatttggtg gtctataagc 20

<210> 1020
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide

<400> 1020
gaagtgttga taggataggg 20

<210> 1021
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1021
ccggaagtgt tgataggata 20

<210> 1022
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1022
tttccggaag tgttgatagg 20

<210> 1023
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1023
tagtttccgg aagtgttgat 20

<210> 1024
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1024
cagtagtttc cggaagtgtt 20

<210> 1025
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1025
caacagtagt ttccggaagt 20

<210> 1026
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1026
taacaacagt agtttccgga 20

<210> 1027
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1027
gtctaacaac agtagtttcc 20

<210> 1028
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1028
cgagggagtt cttcttctag 20

<210> 1029
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1029
aggcgaggga gttcttcttc 20

<210> 1030
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1030
gcgaggcgag ggagttcttc 20

<210> 1031
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1031
gtctgcgagg cgagggagtt 20

<210> 1032
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1032
cgcggcgatt gagaccttcg 20

<210> 1033
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1033
cgacgcggcg attgagacct 20

<210> 1034
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1034
ctgcgacgcg gcgattgaga 20

<210> 1035
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1035
cttctgcgac gcggcgattg 20

<210> 1036
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1036
gatcttctgc gacgcggcga 20

<210> 1037
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1037
tgagatcttc tgcgacgcgg 20

<210> 1038
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1038
gattgagatc ttctgcgacg 20

<210> 1039

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

<220>
<223> Synthetic oligonucleotide

<400> 1039
cgagattgag atcttctgcg 20

<210> 1040
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1040
tcccgagatt gagatcttct 20

<210> 1041
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1041
ggttcccgag attgagatct 20

<210> 1042
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1042
tgaggttccc gagattgaga 20

<210> 1043
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1043
cattgaggtt cccgagattg 20

<210> 1044
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1044
taacattgag gttcccgaga 20

<210> 1045
<211> 20
<212> DNA

<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1045
tactaacatt gaggttcccg 20

<210> 1046
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1046
gaatactaac attgaggttc 20

<210> 1047
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1047
aaggaatact aacattgagg 20

<210> 1048
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1048
tccaaggaat actaacattg 20

<210> 1049
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1049
gagtccaagg aatactaaca 20

<210> 1050
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1050
tatgagtcca aggaatacta 20

<210> 1051
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1051
ccttatgagt ccaaggaata 20

<210> 1052
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1052
ccaccttatg agtccaagga 20

<210> 1053
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1053
tccccacctt atgagtccaa 20

<210> 1054
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1054
agttccccac cttatgagtc 20

<210> 1055
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1055
taaagttccc caccttatga 20

<210> 1056
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1056
cagtaaagtt ccccacctta 20

<210> 1057
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1057
gaccagtaaa gttccccacc 20

<210> 1058
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1058
aaagaccagt aaagttcccc 20

<210> 1059
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1059
aataaagacc agtaaagttc 20

<210> 1060
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1060
aagaataaag accagtaaag 20

<210> 1061
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1061
tagaagaata aagaccagta 20

<210> 1062
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1062
cagtagaaga ataaagacca 20

<210> 1063
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1063

gtacagtaga agaataaaga 20

<210> 1064
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1064
caggtacagt agaagaataa 20

<210> 1065
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1065
agacaggtac agtagaagaa 20

<210> 1066
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1066
taaagacagg tacagtagaa 20

<210> 1067
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1067
gattaaagac aggtacagta 20

<210> 1068
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1068
gaggattaaa gacaggtaca 20

<210> 1069
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1069
aatgaggatt aaagacaggt 20

<210> 1070
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1070
tccaatgagg attaaagaca 20

<210> 1071
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1071
ttttccaatg aggattaaag 20

<210> 1072
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1072
gtgttttcca atgaggatta 20

<210> 1073
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1073
atggtgtttt ccaatgagga 20

<210> 1074
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1074
aagatggtgt tttccaatga 20

<210> 1075
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1075
gaaaagatgg tgttttccaa 20

<210> 1076
<211> 20

<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1076
taggaaaaga tggtgttttc 20

<210> 1077
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1077
tattaggaaa agatggtgtt 20

<210> 1078
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1078
gtatattagg aaaagatggt 20

<210> 1079
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1079
aatgtatatt aggaaaagat 20

<210> 1080
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1080
gtaaatgtat attaggaaaa 20

<210> 1081
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1081
ggtgtaaatg tatattagga 20

<210> 1082
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1082
cttggtgtaa atgtatatta 20

<210> 1083
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1083
tgtcttggtg taaatgtata 20

<210> 1084
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1084
taatgtcttg gtgtaaatgt 20

<210> 1085
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1085
tgataatgtc ttggtgtaaa 20

<210> 1086
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1086
ttttgataat gtcttggtgt 20

<210> 1087
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1087
atttttgat aatgtcttgg 20

<210> 1088
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide

<400> 1088
cacatttttt gataatgtct 20

<210> 1089
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1089
gttcacattt tttgataatg 20

<210> 1090
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1090
actgttcaca ttttttgata 20

<210> 1091
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1091
caaactgttc acatttttg 20

<210> 1092
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1092
ctacaaactg ttcacatttt 20

<210> 1093
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1093
ggcctacaaa ctgttcacat 20

<210> 1094
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1094
gtgggcctac aaactgttca 20

<210> 1095
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1095
taagtgggcc tacaaactgt 20

<210> 1096
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1096
ctgtaagtgg gcctacaaac 20

<210> 1097
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1097
taactgtaag tgggcctaca 20

<210> 1098
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1098
cattaactgt aagtgggcct 20

<210> 1099
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1099
tctcattaac tgtaagtggg 20

<210> 1100
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1100
ttttctcatt aactgtaagt 20

<210> 1101
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1101
ttcttttctc attaactgta 20

<210> 1102
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1102
atcttctttt ctcattaact 20

<210> 1103
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1103
gcaatcttct tttctcatta 20

<210> 1104
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1104
attgcaatct tcttttctca 20

<210> 1105
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1105
tcaattgcaa tcttcttttc 20

<210> 1106
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1106
taatcaattg caatcttctt 20

<210> 1107

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

<220>
<223> Synthetic oligonucleotide

<400> 1107
gcataatcaa ttgcaatctt 20

<210> 1108
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1108
caggcataat caattgcaat 20

<210> 1109
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1109
tagcaggcat aatcaattgc 20

<210> 1110
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1110
acctagcagg cataatcaat 20

<210> 1111
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1111
aaaacctagc aggcataatc 20

<210> 1112
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1112
gataaaacct agcaggcata 20

<210> 1113
<211> 20
<212> DNA

<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1113
ttggataaaa cctagcaggc 20

<210> 1114
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1114
cctttggata aaacctagca 20

<210> 1115
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1115
taacctttgg ataaaaccta 20

<210> 1116
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1116
tggtaacctt tggataaaac 20

<210> 1117
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1117
atttggtaac ctttggataa 20

<210> 1118
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1118
aatatttggt aacctttgga 20

<210> 1119
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1119
gtaaatattt ggtaaccttt 20

<210> 1120
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1120
atggtaaata tttggtaacc 20

<210> 1121
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1121
ccaatggtaa atatttggta 20

<210> 1122
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1122
tatccaatgg taaatatttg 20

<210> 1123
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1123
ccttatccaa tggtaaatat 20

<210> 1124
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1124
tacccttatc caatggtaaa 20

<210> 1125
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1125
taataccctt atccaatggt 20

<210> 1126
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1126
gtttaatacc cttatccaat 20

<210> 1127
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1127
aaggtttaat acccttatcc 20

<210> 1128
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1128
aataaggttt aataccctta 20

<210> 1129
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1129
gataataagg tttaataccc 20

<210> 1130
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1130
ctggataata aggtttaata 20

<210> 1131
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1131

gttctggata ataaggttta 20

<210> 1132
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1132
gatgttctgg ataataaggt 20

<210> 1133
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1133
ctagatgttc tggataataa 20

<210> 1134
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1134
taactagatg ttctggataa 20

<210> 1135
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1135
gattaactag atgttctgga 20

<210> 1136
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1136
aatgattaac tagatgttct 20

<210> 1137
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1137
agtaatgatt aactagatgt 20

<210> 1138
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1138
ggaagtaatg attaactaga 20

<210> 1139
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1139
tttggaagta atgattaact 20

<210> 1140
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1140
tagtttggaa gtaatgatta 20

<210> 1141
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1141
gtctagtttg gaagtaatga 20

<210> 1142
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1142
agtgtctagt ttggaagtaa 20

<210> 1143
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1143
aatagtgtct agtttggaag 20

<210> 1144
<211> 20

<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1144
gtaaatagtg tctagtttgg 20

<210> 1145
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1145
tgtgtaaata gtgtctagtt 20

<210> 1146
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1146
gagtgtgtaa atagtgtcta 20

<210> 1147
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1147
atagagtgtg taaatagtgt 20

<210> 1148
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1148
tccatagagt gtgtaaatag 20

<210> 1149
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1149
ccttccatag agtgtgtaaa 20

<210> 1150
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1150
ccgccttcca tagagtgtgt 20

<210> 1151
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1151
tacccgcctt ccatagagtg 20

<210> 1152
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1152
atatacccgc cttccataga 20

<210> 1153
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1153
ataatatacc cgccttccat 20

<210> 1154
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1154
tatataatat acccgccttc 20

<210> 1155
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1155
tcttatataa tatacccgcc 20

<210> 1156
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide

<400> 1156
ctctcttata taatataccc 20

<210> 1157
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1157
tttctctctt atataatata 20

<210> 1158
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1158
ttgtttctct cttatataat 20

<210> 1159
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1159
gtgttgtttc tctcttatat 20

<210> 1160
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1160
tatgtgttgt ttctctctta 20

<210> 1161
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1161
cgctatgtgt tgtttctctc 20

<210> 1162
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1162
tgacccacaa aatgaggcgc 20

<210> 1163
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1163
tggtgaccca caaaatgagg 20

<210> 1164
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1164
atatggtgac ccacaaaatg 20

<210> 1165
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1165
agaatatggt gacccacaaa 20

<210> 1166
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1166
ccaagaatat ggtgacccac 20

<210> 1167
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1167
ttcccaagaa tatggtgacc 20

<210> 1168
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1168
ttgttcccaa gaatatggtg 20

<210> 1169
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1169
atcttgttcc caagaatatg 20

<210> 1170
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1170
tagatcttgt tcccaagaat 20

<210> 1171
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1171
ctgtagatct tgttcccaag 20

<210> 1172
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1172
atgctgtaga tcttgttccc 20

<210> 1173
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1173
cccatgctgt agatcttgtt 20

<210> 1174
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1174
tgccccatgc tgtagatctt 20

<210> 1175

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

<220>
<223> Synthetic oligonucleotide

<400> 1175
ttctgcccca tgctgtagat 20

<210> 1176
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1176
agattctgcc ccatgctgta 20

<210> 1177
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1177
gaaagattct gccccatgct 20

<210> 1178
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1178
gtggaaagat tctgccccat 20

<210> 1179
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1179
ctggtggaaa gattctgccc 20

<210> 1180
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1180
ttgctggtgg aaagattctg 20

<210> 1181
<211> 20
<212> DNA

<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1181
ggattgctgg tggaaagatt 20

<210> 1182
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1182
agaggattgc tggtggaaag 20

<210> 1183
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1183
cccagaggat tgctggtgga 20

<210> 1184
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1184
aatcccagag gattgctggt 20

<210> 1185
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1185
aagaatccca gaggattgct 20

<210> 1186
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1186
ggaaagaatc ccagaggatt 20

<210> 1187
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1187
tcgggaaaga atcccagagg 20

<210> 1188
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1188
tggtcgggaa agaatcccag 20

<210> 1189
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1189
tggtggtcgg gaaagaatcc 20

<210> 1190
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1190
aactggtggt cgggaaagaa 20

<210> 1191
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1191
tccaactggt ggtcgggaaa 20

<210> 1192
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1192
ggatccaact ggtggtcggg 20

<210> 1193
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1193
gctggatcca actggtggtc 20

<210> 1194
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1194
aaggctggat ccaactggtg 20

<210> 1195
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1195
ctgaaggctg gatccaactg 20

<210> 1196
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1196
gctctgaagg ctggatccaa 20

<210> 1197
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1197
tttgctctga aggctggatc 20

<210> 1198
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1198
gtgtttgctc tgaaggctgg 20

<210> 1199
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1199

gctgtgtttg ctctgaaggc 20

<210> 1200
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1200
tttgctgtgt ttgctctgaa 20

<210> 1201
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1201
ggatttgctg tgtttgctct 20

<210> 1202
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1202
tctggatttg ctgtgtttgc 20

<210> 1203
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1203
caatctggat ttgctgtgtt 20

<210> 1204
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1204
tcccaatctg gatttgctgt 20

<210> 1205
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1205
aagtcccaat ctggatttgc 20

<210> 1206
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1206
ttgaagtccc aatctggatt 20

<210> 1207
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1207
ggattgaagt cccaatctgg 20

<210> 1208
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1208
ttgggattga agtcccaatc 20

<210> 1209
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1209
ttgttgggat tgaagtccca 20

<210> 1210
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1210
tccttgttgg gattgaagtc 20

<210> 1211
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1211
gtgtccttgt tgggattgaa 20

<210> 1212
<211> 20

<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1212
caggtgtcct tgttgggatt 20

<210> 1213
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1213
ggccaggtgt ccttgttggg 20

<210> 1214
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1214
tctggccagg tgtccttgtt 20

<210> 1215
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1215
cagctcctac cttgttggcg 20

<210> 1216
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1216
ctccagctcc taccttgttg 20

<210> 1217
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1217
atgctccagc tcctaccttg 20

<210> 1218
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1218
cgaatgctcc agctcctacc 20

<210> 1219
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1219
gcccgaatgc tccagctcct 20

<210> 1220
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1220
ccagcccgaa tgctccagct 20

<210> 1221
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1221
aacccagccc gaatgctcca 20

<210> 1222
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1222
tgaaacccag cccgaatgct 20

<210> 1223
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1223
gggtgaaacc cagcccgaat 20

<210> 1224
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide

<400> 1224
aaaggcctcc gtgcggtggg 20

<210> 1225
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1225
ccaaaaggcc tccgtgcggt 20

<210> 1226
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1226
accccaaaag gcctccgtgc 20

<210> 1227
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1227
tccaccccaa aaggcctccg 20

<210> 1228
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1228
ggctccaccc caaaaggcct 20

<210> 1229
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1229
gagggctcca ccccaaaagg 20

<210> 1230
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1230
cctgagggct ccaccccaaa 20

<210> 1231
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1231
gagcctgagg gctccacccc 20

<210> 1232
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1232
cctgagcctg agggctccac 20

<210> 1233
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1233
tgccctgagc ctgagggctc 20

<210> 1234
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1234
gtatgccctg agcctgaggg 20

<210> 1235
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1235
gtagtatgcc ctgagcctga 20

<210> 1236
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1236
tttgtagtat gccctgagcc 20

<210> 1237
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1237
aagtttgtag tatgccctga 20

<210> 1238
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1238
gcaaagtttg tagtatgccc 20

<210> 1239
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1239
ctggcaaagt ttgtagtatg 20

<210> 1240
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1240
ttgctggcaa agtttgtagt 20

<210> 1241
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1241
gatttgctgg caaagtttgt 20

<210> 1242
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1242
gcggatttgc tggcaaagtt 20

<210> 1243

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

<220>
<223> Synthetic oligonucleotide

<400> 1243
gaggcggatt tgctggcaaa 20

<210> 1244
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1244
caggaggcgg atttgctggc 20

<210> 1245
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1245
aggcaggagg cggatttgct 20

<210> 1246
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1246
tggaggcagg aggcggattt 20

<210> 1247
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1247
tggtggaggc aggaggcgga 20

<210> 1248
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1248
gattggtgga ggcaggaggc 20

<210> 1249
<211> 20
<212> DNA

<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1249
ggcgattggt ggaggcagga 20

<210> 1250
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1250
tctggcgatt ggtggaggca 20

<210> 1251
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1251
ctgtctggcg attggtggag 20

<210> 1252
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1252
ttcctgtctg gcgattggtg 20

<210> 1253
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1253
gccttcctgt ctggcgattg 20

<210> 1254
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1254
gctgccttcc tgtctggcga 20

<210> 1255
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1255
taggctgcct tcctgtctgg 20

<210> 1256
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1256
gggtaggctg ccttcctgtc 20

<210> 1257
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1257
tcaaaggtgg agacagcggg 20

<210> 1258
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1258
ttctcaaagg tggagacagc 20

<210> 1259
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1259
tgtttctcaa aggtggagac 20

<210> 1260
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1260
gagtgtttct caaaggtgga 20

<210> 1261
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1261
gatgagtgtt tctcaaaggt 20

<210> 1262
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1262
gaggatgagt gtttctcaaa 20

<210> 1263
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1263
cctgaggatg agtgtttctc 20

<210> 1264
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1264
tggcctgagg atgagtgttt 20

<210> 1265
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1265
gcatggcctg aggatgagtg 20

<210> 1266
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1266
cactgcatgg cctgaggatg 20

<210> 1267
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1267

ttccactgca tggcctgagg 20

<210> 1268
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1268
gaattccact gcatggcctg 20

<210> 1269
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1269
gtggaattcc actgcatggc 20

<210> 1270
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1270
gttgtggaat tccactgcat 20

<210> 1271
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1271
aaggttgtgg aattccactg 20

<210> 1272
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1272
tgaaaggttg tggaattcca 20

<210> 1273
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1273
cctgctggtg gctccagttc 20

<210> 1274
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1274
agagtctaga ctcgtggtgg acttctctca attttctagg gg 42

<210> 1275
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1275
tggatgtgtc tgcggcgttt tatcat 26

<210> 1276
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1276
catcctgctg ctatgcctca tcttctt 27

<210> 1277
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1277
caaggtatgt tgcccgt 17

<210> 1278
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1278
tgtattccca tcccatc 17

<210> 1279
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1279
cctatgggag tgggcctcag 20

<210> 1280
<211> 19

<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1280
tggctcagtt tactagtgc 19

<210> 1281
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1281
gggctttccc ccactgt 17

<210> 1282
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1282
tcctctgccg atccatactg cggaactcct 30

<210> 1283
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1283
cgcacctctc tttacgcgg 19

<210> 1284
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1284
ggagtgtgga ttcgcac 17

<210> 1285
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1285
gaagaagaac tccctcgcct 20

<210> 1286
<211> 159
<212> DNA
<213> Hepatitis B virus

<400> 1286
ccagcaaatc cgcctcctgc ctccaccaat cgccagacag gaaggcagcc taccccgctg 60
tctccacctt tgagaaacac tcatcctcag gccatgcagt ggaattccac aacctttcac 120
caaactctgc aagatcccag agtgagaggc ctgtatttc 159

<210> 1287
<211> 37
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1287
tggctcagtt tactagtgcc atttgttcag tggttcg 37

<210> 1288
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1288
ctggagccac cagcagg 17

<210> 1289
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1289
actggagcca ccagcag 17

<210> 1290
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1290
aactggagcc accagca 17

<210> 1291
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1291
gaactggagc caccagc 17

<210> 1292
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1292
actagtaaac tgagcca 17

<210> 1293
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1293
cactagtaaa ctgagcc 17

<210> 1294
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1294
gcactagtaa actgagc 17

<210> 1295
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1295
cgcagtatgg atcggca 17

<210> 1296
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1296
ccgcagtatg gatcggc 17

<210> 1297
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1297
tccgcagtat ggatcgg 17

<210> 1298
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1298

ttccgcagta tggatcg 17

<210> 1299
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1299
gttccgcagt atggatc 17

<210> 1300
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1300
agttccgcag tatggat 17

<210> 1301
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1301
gagttccgca gtatgga 17

<210> 1302
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1302
ggagttccgc agtatgg 17

<210> 1303
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1303
aggagttccg cagtatg 17

<210> 1304
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1304
aagcgaagtg cacacgg 17

<210> 1305
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1305
gaagcgaagt gcacacg 17

<210> 1306
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1306
tgaagcgaag tgcacac 17

<210> 1307
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1307
gtgaagcgaa gtgcaca 17

<210> 1308
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1308
ggtgaagcga agtgcac 17

<210> 1309
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1309
aggtgaagcg aagtgca 17

<210> 1310
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1310
gaggtgaagc gaagtgc 17

<210> 1311
<211> 17

<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1311
agaggtgaag cgaagtg 17

<210> 1312
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1312
cagaggtgaa gcgaagt 17

<210> 1313
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1313
gcagaggtga agcgaag 17

<210> 1314
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1314
tgcagaggtg aagcgaa 17

<210> 1315
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1315
gtgcagaggt gaagcga 17

<210> 1316
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1316
cgtgcagagg tgaagcg 17

<210> 1317
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1317
acgtgcagag gtgaagc 17

<210> 1318
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1318
tggagccacc agcagg 16

<210> 1319
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1319
ctggagccac cagcag 16

<210> 1320
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1320
actggagcca ccagca 16

<210> 1321
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1321
aactggagcc accagc 16

<210> 1322
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1322
actagtaaac tgagcc 16

<210> 1323
<211> 16
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide

<400> 1323
cactagtaaa ctgagc 16

<210> 1324
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1324
gcactagtaa actgag 16

<210> 1325
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1325
cgcagtatgg atcggc 16

<210> 1326
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1326
ccgcagtatg gatcgg 16

<210> 1327
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1327
tccgcagtat ggatcg 16

<210> 1328
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1328
ttccgcagta tggatc 16

<210> 1329
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1329
gttccgcagt atggat 16

<210> 1330
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1330
agttccgcag tatgga 16

<210> 1331
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1331
gagttccgca gtatgg 16

<210> 1332
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1332
ggagttccgc agtatg 16

<210> 1333
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1333
aggagttccg cagtat 16

<210> 1334
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1334
agcgaagtgc acacgg 16

<210> 1335
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1335
aagcgaagtg cacacg 16

<210> 1336
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1336
gaagcgaagt gcacac 16

<210> 1337
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1337
tgaagcgaag tgcaca 16

<210> 1338
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1338
gtgaagcgaa gtgcac 16

<210> 1339
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1339
ggtgaagcga agtgca 16

<210> 1340
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1340
aggtgaagcg aagtgc 16

<210> 1341
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1341
gaggtgaagc gaagtg 16

<210> 1342

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

<220>
<223> Synthetic oligonucleotide

<400> 1342
agaggtgaag cgaagt 16

<210> 1343
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1343
cagaggtgaa gcgaag 16

<210> 1344
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1344
gcagaggtga agcgaa 16

<210> 1345
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1345
tgcagaggtg aagcga 16

<210> 1346
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1346
gtgcagaggt gaagcg 16

<210> 1347
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1347
cgtgcagagg tgaagc 16

<210> 1348
<211> 16
<212> DNA

<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1348
acgtgcagag gtgaag 16

<210> 1349
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1349
ggagttccgc agtatggatc 20

<210> 1350
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1350
acgtgcagag gtgaagcgaa 20

<210> 1351
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1351
cggtccttgg aggatgc 17

<210> 1352
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1352
ccgtgtgcac ttcgcttcac ctctgcacgt 30

<210> 1353
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1353
ggaggctgta ggcataaatt ggt 23

<210> 1354
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1354
agagtctaga ctcgtggtgg acttctctca 30

<210> 1355

<400> 1355
000

<210> 1356

<400> 1356
000

<210> 1357

<400> 1357
000

<210> 1358

<400> 1358
000

<210> 1359
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1359
tatatggatg atgtggt 17

<210> 1360
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1360
tgccaagtgt ttgctga 17

<210> 1361
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1361
tgccgatcca tactgcggaa ctcct 25

<210> 1362
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1362

cttttttcacc tctgccta 18

<210> 1363
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1363
ttcaagcctc caagctgtgc cttgg 25

<210> 1364
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1364
aaatggcact agtaaa 16

<210> 1365
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1365
caaatggcac tagtaa 16

<210> 1366
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1366
acaaatggca ctagta 16

<210> 1367
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1367
aacaaatggc actagt 16

<210> 1368
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1368
gaacaaatgg cactag 16

<210> 1369
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1369
tgaacaaatg gcacta 16

<210> 1370
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1370
ctgaacaaat ggcact 16

<210> 1371
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1371
actgaacaaa tggcac 16

<210> 1372
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1372
cactgaacaa atggca 16

<210> 1373
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1373
cctgatgtga tgttctccat g 21

<210> 1374
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1374
aaacgccgca gacacatcca 20

<210> 1375
<211> 20

<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1375
gataaaacgc cgcagacaca 20

<210> 1376
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1376
atgataaaac gccgcagaca 20

<210> 1377
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1377
cacccaaggc acagcttgg 19

<210> 1378
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1378
gaatcctgat gtgatgttct c 21

<210> 1379
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1379
aatttatgcc tacagcct 18

<210> 1380
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1380
ccaaagccac ccaagg 16

<210> 1381
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 1381
caaattcttt ataagggtcg a 21