SEQUENCE LISTING

<110> Biogen MA Inc.

<120> COMPOSITIONS FOR MODULATING SOD-1 EXPRESSION

<130> X0802SG002

<150> 61/973,803
<151> 2014-04-01

<160> 1461

<170> PatentIn version 3.5

<210> 1
<211> 981
<212> DNA
<213> Homo sapiens

<400> 1
gtttggggcc agagtgggcg aggcgcggag gtctggccta taaagtagtc gcggagacgg 60

ggtgctggtt tgcgtcgtag tctcctgcag cgtctggggt ttccgttgca gtcctcggaa 120

ccaggacctc ggcgtggcct agcgagttat ggcgacgaag gccgtgtgcg tgctgaaggg 180

cgacggccca gtgcagggca tcatcaattt cgagcagaag gaaagtaatg gaccagtgaa 240

ggtgtgggga agcattaaag gactgactga aggcctgcat ggattccatg ttcatgagtt 300

tggagataat acagcaggct gtaccagtgc aggtcctcac tttaatcctc tatccagaaa 360

acacggtggg ccaaaggatg aagagaggca tgttggagac ttgggcaatg tgactgctga 420

caaagatggt gtggccgatg tgtctattga agattctgtg atctcactct caggagacca 480

ttgcatcatt ggccgcacac tggtggtcca tgaaaaagca gatgacttgg gcaaaggtgg 540

aaatgaagaa agtacaaaga caggaaacgc tggaagtcgt ttggcttgtg gtgtaattgg 600

gatcgcccaa taaacattcc cttggatgta gtctgaggcc ccttaactca tctgttatcc 660

tgctagctgt agaaatgtat cctgataaac attaaacact gtaatcttaa aagtgtaatt 720

gtgtgacttt ttcagagttg ctttaaagta cctgtagtga gaaactgatt tatgatcact 780

tggaagattt gtatagtttt ataaaactca gttaaaatgt ctgtttcaat gacctgtatt 840

ttgccagact taaatcacag atgggtatta aacttgtcag aatttctttg tcattcaagc 900

ctgtgaataa aaaccctgta tggcacttat tatgaggcta ttaaaagaat ccaaattcaa 960

actaaaaaaa aaaaaaaaaa a 981

<210> 2
<211> 11001
<212> DNA
<213> Homo sapiens

<400> 2
cactgcactc cagcctgggt gacagagcga gaccctgtct caaaaatcaa acaaacaacc 60

ccctcgcccc ggacaaaagt agtttgcact attttctcat ttcacaatat gtttttgaaa 120

tatttccctt gaaaggtaag tcatatttat cattcctgtt gtatggaggc atcataaatt 180

atttcaccat tctaccctcc ttgagtgttg tggcctttag gccagacaaa aacgcaggtg 240

atgcctagaa gccaactagt tgccgtttgg ttatctgtag ggttgtggcc ttgccaaaca 300

ggaaaaatat aaaaagaata ccgaattctg ccaaccaaat aagaaactct atactaagga 360

ctaagaaaat tgcaggggaa gaaaaggtaa gtcccgggat tgaggtgtag cgactttcta 420

taccctcaga aaactaaaaa acaagacaaa aaaatgaaaa ctacaaaagc atccatcttg 480

gggcgtccca attgctgagt aacaaatgag acgctgtggc caaactcagt cataactaat 540

gacatttcta gacaaagtga cttcagattt tcaaagcgta ccctgtttac atcattttgc 600

caatttcgcg tactgcaacc ggcgggccac gcccccgtga aaagaaggtt gttttctcca 660

catttcgggg ttctggacgt ttcccggctg cggggcgggg ggagtctccg gcgcacgcgg 720

ccccttggcc ccgcccccag tcattcccgg ccactcgcga cccgaggctg ccgcaggggg 780

cgggctgagc gcgtgcgagg cgattggttt ggggccagag tgggcgaggc gcggaggtct 840

ggcctataaa gtagtcgcgg agacggggtg ctggtttgcg tcgtagtctc ctgcagcgtc 900

tggggtttcc gttgcagtcc tcggaaccag gacctcggcg tggcctagcg agttatggcg 960

acgaaggccg tgtgcgtgct gaagggcgac ggcccagtgc agggcatcat caatttcgag 1020

cagaaggcaa gggctgggac ggaggcttgt ttgcgaggcc gctcccaccc gctcgtcccc 1080

ccgcgcacct ttgctaggag cgggtcgccc gccaggcctc ggggccgccc tggtccagcg 1140

cccggtcccg gcccgtgccg cccggtcggt gccttcgccc ccagcggtgc ggtgcccaag 1200

tgctgagtca ccgggcgggc ccgggcgcgg ggcgtgggac cgaggccgcc gcggggctgg 1260

gcctgcgcgt ggcgggagcg cggggaggga ttgccgcggg ccggggaggg gcgggggcgg 1320

gcgtgctgcc ctctgtggtc cttgggccgc cgccgcgggt ctgtcgtggt gcctggagcg 1380

gctgtgctcg tcccttgctt ggccgtgttc tcgttcctga gggtcccgcg gacaccgagt 1440

ggcgcagtgc caggcccagc ccggggatgg cgactgcgcc tgggcccgcc tggtgtcttc 1500

gcatccctct ccgctttccg gcttcagcgc tctaggtcag ggagtcttcg cttttgtaca 1560

gctctaaggc taggaatggt ttttatattt ttaaaaggct ttggaaaaca aaaatacgca 1620

acagagaccg tttgtgtgac actttgcagg gaagtttgct ggcctctgtt ctaggtcatg 1680

attgggctgc aagggcagag aaggtagcct tgaacagagg tccttttcct cctcctaagc 1740

tccgggagcc agaggtttaa ctgacccttt tggggatttt tgagggcagt gatcttaact 1800

ttgggtgcac agttagctta tttgaagatc ttactaaaaa tacaccagag cccaacctcc 1860

gaccaattac atcaaaacct gtcctagtgc agggtgagta ttgctgtttt ttgaaagttt 1920

ccaaaagtga ttttgatgtg cacctacgat tgagaactgt cgtttgagga cagtgggtgg 1980

agtttcgtat ttggaaatta gaagacctgg agtttccatt acaccgaatt ggcacttaat 2040

aactgttgtc ggagcatttc ttaagccaca ttttcgtaaa gtggctttaa aattgctctg 2100

ccagtaggca ggttgctaag atggtcagag acaaacttct gaacgactct tgtaaaatat 2160

acagaaatat tttcagaact tttatcagta aaattacaaa acgtgttgca aggaaggtgc 2220

ttgtgataac actgtcccca gaaccttagt gaagttacca actggtggaa aattttctct 2280

tgcactcggc ttaaaaatca tgagggaata tttactatac gaatgagatt cagtctttaa 2340

aggggtttac agaaacgtga gaggacagga acagttagtc tgtgtaaatg tctgaaatat 2400

atgtgaggga gataatgagt ttagcctttt tctttaatag gtctccagat tttctggaaa 2460

aggttctttg gcatttgact ccattttgct gtttcatttg tcagacttct ttttgtccct 2520

ctttacttct ccccacataa ttcaccagta ctagtgtttt gtttttcaga ccaagtctcg 2580

ctctgtcgcc caggctggag tgcagtggcg cgatctcagc tcactgcaac ctccgcctcc 2640

caggttcaag caattctcct gcctcagcct cccgggtagc tgggactaca ggcgcgcgcc 2700

gccacgcctg gctaattttt tatattttag tagagacggc gtttcaccat gttggccagg 2760

atggtctcga tctgttgacg tcgtgatcca cccgcctcgg cctcccaaag tgctgggatt 2820

acaggcgtga gccaccccgc ccggccacca gtgctattct taagacgcct ctgaggaatc 2880

ccttctccct ggccattgag aatccatgca tgaacccagg ttttccacct tccctgagca 2940

gcttgcatag ttccttcttt taagcgcctg acttcgtttt gtttggtgcc cgttgtacct 3000

gagaatgagc cttggatagt ggagcattcc agctttccag atatgcagag ataatacatt 3060

ggctatcagc tacttggctt ggcctattcc gtgtttaaaa tcttggactc tttgctagtt 3120

tttacagatc agaatttttc acgtattaat ccagttttcc tagcttctct tgaagaattt 3180

ttggagatct cttcatactg agccttcatt agcccaggac agtactgctg tagcagttca 3240

tatatttttt cgcttcccag gcctgtgtta ttcacttaag ttcatagcct ggtccctgca 3300

gggttgtacc cgagcacagc tacttagatg tcctgaatgt attaccggtt aaatggaggt 3360

ttcaaagaac ctgctgtttt tggccctgtg ctcttgataa cagagtgttt gagggacaac 3420

tttcacattt gagtttttcc aaaattaaag gttgtagaag agtcacagta tctattgtca 3480

aaaagaaaag aatttaaaaa ggcagcaatt gccaggatac ttcatttgag caatgatatt 3540

ttccagtgga aagtcacatc ttaagggtta atgcccctta actgttggcc gtatttgaaa 3600

acaaaccaag ctaaaaacaa gagacactga catgttgtat gacggtgtgg tgtggatgtt 3660

gtgtttattt tagtcctgag atctagttgt aacttccttg atttctgtat gtagccacgg 3720

agcaccatta cctgtcacca ttacctgaat ggctatactg cttgctttca ttttggtaga 3780

gtggaaaggt tacctaggtt tcagtgcttg aaaagatttc agaaagcagt agtacgtctg 3840

gttagactag aatcagtcct ctcctggggg cagtggaata taatattttc tgactgctaa 3900

ttaaaaatac ctgtgatagc cgggcgtggt ggcttacgcc tgtaatccca gcactttggg 3960

aggccgagac gggtggatca cgaggtcagc agatggagac catcctggct aacacggtga 4020

aaccccgtct ctactaaaaa tgcaaaaaaa ttagccgggt gtggtggtgg gcgcctgtag 4080

tcccagctac tcaggaggct gaggcaggag aatggcatga acctgggagg cggagcttgc 4140

agtgagccga gatcatgtca ctgcactcca gcctgggcga cagagcgaga ctcgtctcaa 4200

aaaaaaaaag aaaaaaactt atgatggaca cttaaaaaca ctcactgagt ggggagtgga 4260

gagcaggggt cccagggtag cctgttggac atttccaggg cgacttttc ttttttttt 4320

tttaaagtca agtgagtatg ccatatggaa aagggtgtgc gtggagaaaa agcaaggggc 4380

tccagagtgt aggatgagac atacaccttt tgggttaaaa aggctgaggc aggagaatgg 4440

cgtgaacccg ggaggcggag cttgcagtga gctgagatca tgccactgca ctccagcctg 4500

ggcgacagag cgagactctt gtctcaaaat aaaaaacgtt tacatgtaca tgtatattca 4560

acatgtacaa atataaccta ttcaaaagta tttactacat aaataggtac ttacattacc 4620

tatttactgt aatagtcaaa gcctatgaag tatctaacac tgatgtgtag gtactcactt 4680

tgcttgccac tctattaggt gctttttatg ttatttaatc atgaagcctg gccacagggt 4740

gcttgtgcat tgagtgtggg aacaagatta ccatctccct tttgaggaca caggcctaga 4800

gcagttaagc agcttgctgg aggttcactg gctagaaagt ggtcagcctg ggatttggac 4860

acagattttt ccactcccaa gtctggctgc tttttacttc actgtgaggg gtaaaggtaa 4920

atcagctgtt ttctttgttc agaaactctc tccaactttg cacttttctt aaaggaaagt 4980

aatggaccag tgaaggtgtg gggaagcatt aaaggactga ctgaaggcct gcatggattc 5040

catgttcatg agtttggaga taatacagca ggtgggtgtt gtgctgtgct ggtgacccat 5100

acttgttcac cctagttaga taaacagtag agtagcccct aaacgttaaa acccctcaac 5160

ttgtttttgt ttttgagaaa gggtcttgct ctgtcgctca ggctggagtg cagtggcgct 5220

gtgcgatcat ggctgacctt agccttgacc tcccaggctc cattgatcct catgccttgg 5280

cccgtagctg ggactacagg tacacaccac cacgcctggc taatttttgt atttttttct 5340

agaggtgggg tttcatcatg ttgcccaggc tggtcttgaa ctgctgggct caagtggtct 5400

atcctcctcg acctcccaaa gtgctgggat tacatgtgtg agccactgtg cctgggaaaa 5460

ccctcaactt ttcttttaaa aaagaggtca actttattgt atataagcac tgtgctaaaa 5520

ttgcaggaac tgggaccata tcctgatttt tgtaataatg ccagcagagt acacacaaga 5580

aaagtaactg cactagattg tgaagactgg ggtggacctg cttctgaagg tccagtgccc 5640

tttgtcttaa gatttggtgt agtgtgtctt tagaaaccaa aaaaagagaa gaagatcaac 5700

cttaagatta gccacaaaac tgggctttga tacctaggtg tggaaaagaa agggaaagag 5760

ttgatgtttt gtcttacagc atcattgtag aagagggtgt ttttttgttt gtttgttttt 5820

tgagacggag tcttactctg tggcccaggc tggagtgcag tggcgcgatc tcggctcact 5880

gcaagctccg cctcccgggt tcatgccatt ctcctgcctc agccccctga gtagctggga 5940

ctacaggtgc ccgccacccc gcctggctaa ttttttgtat ttttagtaga gacggggttt 6000

cactgtgtta gccaagatgg tctctctcct gacctcgtga tccgcctgtc tcagcctccc 6060

aaagtgctgg gattacaggc atgagccacc gcacccagcc agaagagggt gttttttaaa 6120

gaaggcaaat aggaaataaa aacttgggct cttaactttt gtaatgatcc caggtgtttg 6180

agctgggggt tgagggtggg tgcctcgagc aaaggggctg catttatttg cataatgcca 6240

tgtaagagta gctctacacc ccaaacacag gcttcttagt gggaccaaag tatgatacaa 6300

actgaagatg gaatgcagag gattattggt actttggaat atgcttaaaa aaaatttttt 6360

taaagtattt ttaaaaaatc aggcaacccc tgaaccagag taggttcaga gaaactgcca 6420

aattttattt tcttaatttg ggattggaag caagttaaca gaagtttatg agttaagttg 6480

catttagtga tcttttgcca tatttgagta ataatctgat ttttttgttt atagatttct 6540

tcttaaatta actttattca tcttgctaat ttagtttcaa atagtgattt gtaatgatca 6600

gatttgatcc atttctgtaa ttgctgaaat tcccccgagt tgctttttgg ctttaccgcc 6660

tctggtctgg gaggtgattg ctctgctgct tcctgtaact tgcctgcctt tctccctgtg 6720

tgggactcct gcgggtgaga gcgtggctga agacagccgt gttatgaaag ggcctcctgt 6780

gctgtcgagg ttgtgctctg tgaatgtcat cccctggtgc acagcagcac cttctacaca 6840

ggatacagtt ggaatgccgc cccctcgagt tgtgtaaggc agcagccttg gcccttgcac 6900

ataagatgct gttgaatatt ctgcctgcac caagtaaagg gcacagatag aactgcttgg 6960

catatgttgc tggggagatg agtttttttgt aaagtatact acgttcttaa gaatttggat 7020

cataaccatg ggattttaat aatagaaaaa ctgttgaaga tcagtctggt cccttatttt 7080

tacagtgaag aagccaaagc ccagagaagg gtgttaactt tacaagtgtc agacagtagt 7140

tagaacttgg tggggttttt ttttttttttt ttttgagatg gagtcttgct ctgttgccca 7200

ggctggagtg cagtggtgcg atctcagctc actgcaacct ctgcctccca ggttcaagcg 7260

attctcctgc ctcagcctac taagtagctg ggactatagg tgcgcaccac cacgcctagc 7320

taatttttgt attttttcag tagagacagg gttttgctat gctggccagg ctggtctcaa 7380

actcctgacc tcagatgatc cagccacctc agcttcccaa agtgctgggg ttccaggtgt 7440

tagccaccat gcctggccat agacttgttt ctgttccctt ctcactgtgg ctgtaccaag 7500

gtgttgctta tcccagaagt cgtgatgcag gtcagcactt tctccatggg aagttttagc 7560

agtgtttctt tttagaatgt atttgggaac tttaattcat aatttagctt ttttttcttc 7620

ttcttataaa taggctgtac cagtgcaggt cctcacttta atcctctatc cagaaaacac 7680

ggtgggccaa aggatgaaga gaggtaacaa gatgcttaac tcttgtaata atggcgatag 7740

ctttctggag ttcatatggt atactacttg taaatatgtg ctaagataat tccgtgtttc 7800

ccccaccttt gcttttgaac ttgctgactc atctaaaccc ctgctcccaa atgctggaat 7860

gcttttactt cctgggctta aaggaattga caaatgggga cacttaaaac gatttggttt 7920

tgtagcattt attgaatata gaactaatac aagtgccaaa ggggaactaa tacaggaaat 7980

gtcatgaaca gtactgtcaa ccactagcaa aatcaatcat cattgtgaaa cataggaagc 8040

ttctgtagat aaaaaaaaaa attgatactg aaaactagtc gagactccat ttatatgtgt 8100

atgttttctg aaagcctttc agaaaaatat taaatttaag gacaagattt ttatatcaga 8160

ggccttggga catagctttg ttagctatgc cagtaattaa caggcataac tcagtaactg 8220

agagtttacc ctttggtact tctgaaatca ggtgcagccc catctttctt cccagagcat 8280

tagtgtgtag acgtgaagcc ttgtttgaag agctgtattt agaatgccta gctacttgtt 8340

tgcaaatttg tgtctactca gtcaagtttt aatttagctc atgaactacc ttgatgttta 8400

gtggcatcag ccctaatcca tctgatgctt tttcattatt aggcatgttg gagacttggg 8460

caatgtgact gctgacaaag atggtgtggc cgatgtgtct attgaagatt ctgtgatctc 8520

actctcagga gaccattgca tcattggccg cacactggtg gtaagttttc ataaaaggat 8580

atgcataaaa cttcttctaa catacagtca tgtatctttt cactttgatt gttagtcgcg 8640

gtttctaaag atccagataa actgtacttg cagttcaaat taggaaaagc aattttattg 8700

gacaattacg gtgaaaatga attattttat ctaggtcagt taagaacact gttctgctaa 8760

gatgcagtaa aaagcaggtt acatttgacc atattagatc tgagtttgga aaacagaagt 8820

agtctttagt tttaaaatgg ccagattttc ttgccaggat tgggtttctc acttgttaaa 8880

cagaacattt tgttaagttt aaaacctggg atggacttaa gtattcatgt tcattcatgt 8940

tcattcagga ctgcaggtta tcatgacttg tttaacttgt gggaagctgt tgtcccaagt 9000

tatcctgggg aactgcatct ggttcttgca aaacaccaag tagacaggct ctcttttacc 9060

tccccttgag ggcattaaca ttcagtagtc acttccattc agttaaccct ttatttttat 9120

ggtttttctt gagccatagt tgtaaagcag aaaaatcatt tataaaggtt tgttgaacaa 9180

aattcaaaat actgttgctt aaagtattaa gatttttag gattatacct tacttatagg 9240

cccgtcattc atttggcatg aaattttgag ttttattcac tttcactttc ctttttttcc 9300

aaagcaatta aaaaaactgc caaagtaaga gtgactgcgg aactaaggtt actgtaactt 9360

accatggagg attaagggta gcgtgtggtg gtctacaaca tagttatttg ggttttagta 9420

tttcatttag acagcaacac ttacctaatg tttaaaggta atgtctttgc aacaccaaga 9480

aaaagctttg agtagtagtt tctactttta aactactaaa tattagtata tctctctact 9540

aggattaatg ttatttttct aatattatga ggttcttaaa catcttttgg gtattgttgg 9600

gaggaggtag tgattacttg acagcccaaa gttatcttct taaaattttt tacaggtcca 9660

tgaaaaagca gatgacttgg gcaaaggtgg aaatgaagaa agtacaaaga caggaaacgc 9720

tggaagtcgt ttggcttgtg gtgtaattgg gatcgcccaa taaacattcc cttggatgta 9780

gtctgaggcc ccttaactca tctgttatcc tgctagctgt agaaatgtat cctgataaac 9840

attaaacact gtaatcttaa aagtgtaatt gtgtgacttt ttcagagttg ctttaaagta 9900

cctgtagtga gaaactgatt tatgatcact tggaagattt gtatagtttt ataaaactca 9960

gttaaaatgt ctgtttcaat gacctgtatt ttgccagact taaatcacag atgggtatta 10020

aacttgtcag aatttctttg tcattcaagc ctgtgaataa aaaccctgta tggcacttat 10080

tatgaggcta ttaaaagaat ccaaattcaa actaaattag ctctgatact tatttatata 10140

aacagcttca gtggaacaga tttagtaata ctaacagtga tagcatttta ttttgaaagt 10200

gttttgagac catcaaaatg catactttaa aacagcaggt cttttagcta aaactaacac 10260

aactctgctt agacaaatag gctgtccttt gaaagcttta gggaaatgtt cctgcttagt 10320

cattttagca ttttgattca taaagtacct cctcatttta aaaagacatt atgatgtaag 10380

agagccattt gataactttt tagtgagctt tgaaaggcaa gttacagcct cagctagcta 10440

gtaagattat ctacctgcca gaatggcaca aattctacat tcaagggtag acgctggcac 10500

aacctactta cagattagcc ctttaaagca atctgtagca ttagaagatg gaaccaagga 10560

aatgtttgac tgtgggttct ggctgttgag aaataattta cacaccgaat tagtgaaatg 10620

agtcactttc tcttaatgta tttatgtacc tgagagaatg cttttcaatg ttaacctaac 10680

tcaggtttga ctaaattatt caattggaaa ttgtagaata ttatttctga taaaccagaa 10740

ataagtgaaa tgctgtttgt tcataaatat gtactttatc aaatgtagga gagatcattt 10800

aggagaggaa aagctaaatt ggaagacaaa tctgtagtgt ttccaaagtt ttaaaattat 10860

ggtaaacaac agtatgttca cagtaagtgg ttaaaacaac cattctttaa atctcagtag 10920

agaattttta aaaagcagta tttaacacat ttccctaatg tagtttgttg cctatgtgga 10980

ataactcaat tagagactca c 11001

<210> 3
<211> 13001
<212> DNA
<213> Macaca mulata

<400> 3
cctggaaccc agagaaactt cagccttggg caaaggccgt ttggccagca tttgcactgt 60

ttatgcaacc gtttagaata tacgaattat ctggaaacta ctactaaata caacacgcaa 120

aactgcaaat atgtatactt cctagaggat gataaaaaaa atgtgaattg tgttttctct 180

gatagaggat gcattagagt ctgagggtct aaataacata aataataaat aagtaaataa 240

atagatagta gtgtactcca aacgaggctg gaatagcttc tatcgttgtt tcacgctgga 300

cttgaattaa gtctgagtat tttgccatgc tcagtacgaa atactaggct ggacgtggtg 360

gcttatgtct gtaatcccag cactttggga ggccgaggtg ggcagactgg cttgagctca 420

agagtttgaa accagcctgg gcaacatggt aaaaccccat ctctacccaa aatacaaaaa 480

tcagccaggt gtggtgccac atgcctgtgg tctcaggtac ttgggaggct gaggcagcag 540

gatgactttt gaacccagga ggtcgaggct gcagtgagct atgatcgtgc cactgcactc 600

cagcctgggt gacagagcaa taccctgtct caaaaatcaa ataaacaacc ccttcgcccc 660

ggactaaagt agtttgtact attttctcat ttcatcaaag tttttgaaat atttcccttg 720

aaaggtaagt catatttatc attcctgttg tatggagaca tcacaaatta tttcaccatt 780

ctaccctcct tgagtgttgt ggccttgggg ccaggcaaaa acgcaggaga tgcctagaag 840

ccaactagtt gccgttttgg ttatctgtgg ggctgtagcg ttgccaaaca ggaaaaatat 900

aaaaagaata ccgaattctg ccaaccaaat aagaaactat gtgctaagga ctaaaacaac 960

tgcaggggaa gaaaaggtga ggccagggat tgaggtgtag cgactttcta tgccctcaga 1020

aaattaaaaa acaagacaaa aaaaaaaaaa gaaaactaca aaagcatcca tcttgggccg 1080

tcctaatttc tgagtaacaa atgagatgct gtggcgaaag tcagtcataa ccaatgacat 1140

ttctagacaa agtgacttca gattttcaag gcgtaccttg tttacatcat tttgccaatt 1200

tcgcgtcctg caaccgtcgg gccacgcccc cgtgaaaaaa aggctgtgtt tttttccaca 1260

tttcggggtt ctggaccttt cccggctgcg gggcgggggg aagtctgagg cgcacgcggc 1320

cccttggccc cgcccccagt catttcctgc cactcgcgtc ccgaggctgc cgcaggggggc 1380

gggctgagcg cgtgcgctgt gactggtttg gggccagagt gggcggggcg cggaggtccg 1440

gcctataaag tagtcgcggc gccgtggtac cgctttgcgg cgtagtctcc tgcagcgttt 1500

gcggtcagtc tcgcaatatt cggaagcagg accgcggcgt ggcctagcaa gtcatggcga 1560

tgaaggccgt gtgcgtgttg aagggcgaca gcccagtgca gggcaccatc aatttcgagc 1620

agaaggcaag ggccggggcg gaggcttgtt tgcgaggccg ctcccgcccg cttgtcgccc 1680

cgagcacctg tgctaggagc gggtggccag ccaggcctcg ggaccgccct ggtcccgcgc 1740

ccggcctcgg cccgtgccgc ccggtcggtg cctttgcccc cagcggtgcg gtgccggcta 1800

agtgctgagt catcgggcgg gcccgggtgc ggggtgtggg accgaggccg ccgcggggct 1860

gggcctgcgc gtggcgggag cgcggggagg gattgccgcg ggggcgggcg tgggcgtgct 1920

gccctccggg gtccgtgggc ggccgccgcg ggctctgtcg tggtgcttgg agcagctgtg 1980

ctcctccctt gcttggctgt gttctcgttc ctgagggtcc cgcggacacc gagtggcgca 2040

gtgacaggcc cggcccgggg tggcgactgc gcctgggccc ggctggtgtc ttagcatccc 2100

tctccgcgtt ccggcttcag cgctctgggt cagggagtct ccgcttttgt acagctctaa 2160

ggctaagtat ggtttttata tttttaaaag gctttggtaa acaaaaatac gcaacagaga 2220

ccgtttgtgt gacactttgc aggagtttgt tggcctctgt tctaggtcat ggttgggctg 2280

caagggcaga gaaggtagcc ttggatagag gtccttttcc tcctcctaag ctccgagagc 2340

cagagtttta actgaccgtt ttggggactt tcgagggcaa tgattcttaa ctttgggtgc 2400

acaattagct tatttgaaga tcttactaaa aatacaccag agcccaacct cagaccaatt 2460

acatcaaaac ctgtcccagc gcaggtgatt attgctgttt tttaagtttc caaatgtgat 2520

tttgatgtgc acctacgatt gaggactgtt gtttgaggac agtgggtggg gtttggaatt 2580

tggaaattgg gaagacctga agtttccatt acacggaatt ggtacttagt aactcttgtc 2640

ggagcatttc ttaagccaca ttttctgtga agtggcttta aaattgctct gccagtaggc 2700

aggttgctaa gatggtcaga gacaaacttc tgaacgactc ttgtaaaatg tagtacagaa 2760

atattttcat aactattatc agtaaaattg caaaacgtct tgcaaggaag gtgcttgtga 2820

taacactgtc cccagagcct tagtgaagtt accaactggt ggaaaattgt ctggtactcg 2880

gcttaaaagt catgagagaa tatttatcat atgaatgaga ttcagtcttt aaaggggttt 2940

acagaaaggt gagaggacag gaacagttag tctgtgcaag tgtctgaaat gtgtatgagg 3000

gagatacgag tttagctttt ttctttaata cgtctccaga ttttctggaa aaggttcttt 3060

ggcatttgac tccattttgc tatttcattt gtcagacttc gttttgtccc tctttactta 3120

ttcccacata attcactagt actagtgctg tgttttgttt ctgagaccga gtcttgctct 3180

cttgcccagg ctggagtgca gtggcgcgat ctcggctcac tgcaacctcc gcttcctggg 3240

ttcaagcaat tctcctgcct caggctcccg ggtagctggg attacaggcg cgtgccacca 3300

cgcccagcta atttttgta ttttagtagg gaccgggttt caccatgttg gccaggatgg 3360

tcacgatctc ttgacctggt gatccacccg cctcggcttc ccagagtggt gggattacag 3420

gcgtgagcca ccgcgcccgg ccaccagtac tagtcttaag acgcctctgt ggaattcctt 3480

ctccctggcc tttgagaatc catgcatgaa cccaggtttc tgtcattttc caccttccct 3540

gagcagcgag catagttcct tcttttaagc gcctgacttc gttttggttg gtgccccttg 3600

tacctgagaa agagccttgg atagtggagc attccagctt tccagatatg cagagataat 3660

aaattggcta taaactacct ggcgtggcct attccgtgtt taaaatctta gactcgtggc 3720

tagtttttac aaatcagaat ctttcaccta atagtccagt tttcctagct tctcttgaag 3780

aattgttgga gatctcttca tactgagcct tcattagccc aggacagtac tgctggagct 3840

ttccaggcct gtgttactca cttgagttca cagcctggtc cctgtagggt tgtacctaag 3900

cacaactact tacatgttcc caatgtatta cccgttaaat ggaggtttga aagaacctcc 3960

tctttttggc cctgtgctct tgataacaca gcatatttga gggacaactt tcacatttga 4020

gtttttccaa aattagaggt tgtagaagag tcacagtgtc tattctgaaa aagaaaagaa 4080

ttttaaaag gccgcaattg ccagaatcct tcgtttgagc agtggtattt tccagtggaa 4140

agtcatgtct taagggttaa tgcccttaa ctgttgtccc tatttgaaaa ccaagctaaa 4200

aacaagagac acaaacatgt atgacggtgt ggtgtggatg atgtgtttat tttagtcctg 4260

agatctactc gtaacgtcct tgatttctgt atgtagccac ggagcaccat tacctgtcac 4320

cattgcctga atggcgatac tgcttgcttt ctttttggta gagtggaaag gttatctagg 4380

tttcagtgct tgaaaagatt tcagaaaaca gtagtacctc tggttagact agaatcagtc 4440

ctctcctgag ggcagtgaaa taggatattt tctgactgct aattaaaaat acctatgata 4500

gccggacgtg gtggctcacg cctgtaatcc cagcagtttg ggaggcggaa ggggcggatc 4560

acgaggtcat gagatcgaga ccatcctggc taacacggtg aaaccccgtc tctgctaaaa 4620

atacaaaaaa ttaactgggc ttggtggtgg ttggcgcttg tagtcccagc tactcaggag 4680

gctgagggag gagaatggca tgaacctggg aggcggagct tgcagtgagc cgagatcatg 4740

ccactgctct tcagcctggg cgacagagct agactccatc tcaaaaaaaa aaaaaaaaca 4800

aaaaaacttt gatggaaact taaaaacaca cactgagtgg ggagtggaga gcaggggtcc 4860

tagggtagcc tgttggacgt ctccagggtg ccttttttctt tgttttaaag tgtgtatgct 4920

gtatggaaga gtgtctatat ggagaagcag caaggggcta aagagcatat gatgagacat 4980

acacctttg ggttaaaaag gctgaggcag gagaatggcg tgaacccggg aggtggagct 5040

tgcagtgagc cgagatcgcg ccactgccct ccagcctggg tgacagagcg agactctgtc 5100

tcaaaacaaa ccaaaaaggt ttacgtgtac atgtatattc aacatgtaca aatatgacct 5160

attcaagtgt ctactaaata ggtacttata ttacatattt actgtaatag tcaaacccta 5220

tgaagtatct aactctgatg tgtaggtact cactttgctt accactctat ttggtgcttt 5280

ttatgtttaa tcacgaagcc tggccacagg gcgcttgtgc attgagtgtg ggaacaagat 5340

taccatctcc cttttgagga cacaggccta gagcagttaa gcagcttgct ggaggtaccc 5400

tggctagaaa gtggtcggcc tgggatttgg acacagattt ttccactccc gagtctggct 5460

tctttttact ttactctgag gggtaaaggt aaatcagctg ttttctttgt tcagaaactc 5520

tctccaactt tgcacttttc tttgattaaa ggaaagtaat ggaccagtga aggtgtgggg 5580

aagcattaca ggattgactg aaggcctgca tggattccat gttcatcagt ttggagataa 5640

tacacaaggt gggtgttgtg ctgtgctggt gacccatact tgttcaacct agttagataa 5700

acagtagagt agcccctaaa tgttaaaact cctcaacttg gttttgtttt tgagacaggg 5760

tcttgctctg tcacccaggc tggagtgcag tggtgctgtg cgatcatggc tcaccttagc 5820

ctcgacctcc caggctccag ttatcctcat gccttggcct gtagctggga ctacaggcat 5880

acgccaccac acctggctac tttctgtatt tttttctagc cgtggggttt catgttgtcc 5940

aggctagtct tgaactgctg ggctcaagtg gtttatcctc ctgcacctcc caaagtgctg 6000

ggattacagg tgtgagccac tgtgcctggc aaaaccctca acttttcttt taaaaaaaga 6060

ggtcaacttt attgtataaa cactgtgcta aaatggcaga aactaggacc atatcttggt 6120

ttttgtaata atgccagcag agtatacaca agaagaaaag taactgcact agattgtgaa 6180

gactggggtg gacctgcttc ttaatgccca gtgccctttg tcttaagatt tggtgtagta 6240

tatctttaga aaccaaaaaa aaaaaaaaag tgaagttaaa ataactttga agatcaacct 6300

taagattagc cacaaaactg gtttttgtca cctaggtgtg gaaaagaaag ggaaagagtt 6360

gatgtttttt gtcttatggc atcattgtag aagaggattt ttttttttt tttggagaca 6420

agtcttactc tgtcgcccag gctggagcgc agtggcgcca tcttggctcg ctgcaagctg 6480

tgcctcctgg gttcacgcca ttctcttgcc tcagcctcct gagtagctgg gactacaggc 6540

gccgccacca cgcctggtta atttttttgt ttttttagta gagatggggt ttcactgtgt 6600

tagccaagat ggtcttgatc tcctgacctc gtgatccacc catctcggcc tcccaaagtg 6660

ctgggattac aggcatgagc cactgtgccc agccagaaga aagtgttttt taaagaaggc 6720

aataggaaat aacttgggtt cttaactttt gtaatgatcc caggtgtttg agctgggggt 6780

tgagggtggg tgcctcaagc gaaggggctg cattcgtttg cataatgtca tgtaagagta 6840

gctccacacc gcaaacacag gctccttagt gggacaaaag taggatacaa cctggagatg 6900

gaatgcagag gatcactggt actttggaat atgcttaaaa aatttttta gtatttttaa 6960

aaaatcaggc agcccctgaa cctgagtagg ttcagagaaa ctgccaagtt ttatattctt 7020

aatttgggat tggaagcaag ttaacaaaag tttatgagtt aaattgcatt tagtggtctt 7080

ttgccatatt tgagttatct gaatttttg tttataggtt tcttcttaaa ttaacttcat 7140

tcatcttgct aatttagttt caaatagtga tttgtagtga tcagatttga tccatttctg 7200

taattgctga aattccccaa gttgcttttt ggcttcccgc ctctggtttg ggaggtgatt 7260

gcgctgctgc ttcctgtaac ttgcctgcct ttctccccgt gtgggactcc tgggggtgag 7320

aggacttgtt acgaaggcag ccgtgttacg aaagggcctc ctgtgccgtc gaggttgtgc 7380

tctgtgaatg tcatcccctg gcccacagga gcaccttcta cacagggtac agtcggaatg 7440

ccgccccctg gagttgtgta aggcagcagc cttggccctt gcacataaga tgctgttgaa 7500

tattctgcct gcaccaagta aagggcacag gtagaactgc ttggcagtat gttgctgggg 7560

agatgagttt tttgtagtta aagtgtacta cattcttaca aatttggatc ttaaccatgg 7620

gattttaatg atagaaaaac tgttgaagat gagtctggtc ccttattgta cagtgaagca 7680

gcagaagccc cgaggaaggg tgttgacttt acgagtgtca gatagtagtt agaacttgct 7740

ttttttttg agacgcagcc ttgctctgtt gcctaggctg gagtacagtg gtgcaatctc 7800

agcttactgc aatctctgcc tcccaggttc aagcgattct cctgcctctg cctatcaggt 7860

agctgggact acacgtgcac accaccatgc ctagctaatt tttgtatttt tcagtagaga 7920

cagggtttcg ccatgttggc caggctggtc tcaaactcct gacctcagat gattcaccca 7980

cctcagcttc ccaaagtgct gggattccag gtgttagcca ccatgcccgg ccatagactt 8040

gtttctgttc ccttctcacc atgcctggac caaggtgttg cttatcccag aagttgtgat 8100

gcaggtccct gctctctcca tgggaagttt tagcaatgtt tctttttaga atgtatttgg 8160

gaactttaat tcataattta gctttttttt tttttctttt tcttgtaaat aggctgtacc 8220

agtgcaggtc ctcactttaa tcctctatcc agacaacacg gtgggccaaa ggatgaagag 8280

aggtaacaag atgcttaact cttgtaataa tggcgatagc tttctggagt tcatatggta 8340

tactacttgt aaatatgtgc taagataatt ccgtgttctc ccccaccttt gtttttgaac 8400

ttgctgactc atctaaaccc ctgctcccaa atgctggaat gcttttactt cctgggctta 8460

aaggaattga caaatgggga cacttaaaac gatttggttt tgtagcattt attgaatata 8520

gaactaatac aggtgccaaa ggggaactta tacaggaaat gtcatgagta acagtactgt 8580

caaccactag cagaatcaat catcgtgaaa cataggaagc gtctgtagat aaaaaaaaaa 8640

ttgatattga aaactagtcg agactccatt tgtatgtgta tgttttctga aagcctttca 8700

ggaaaatact aaatctaagg acaagatttt tatatcagag gcctcgggac atagctttgt 8760

tagctatgcc aataattaac aggcataact cagtaactga gagtctaccc tttggtactt 8820

ctgaaatgag gtgcaccccc atctttcttc ccagagcatg agtttgtaga cttgaagcct 8880

tgtttgaaga gctgtgttta gaatgcccag ctacttgttt gcaaatttgt gtttgctcag 8940

tcaagtttta atttagctca tgaactacct tgatgttcag tggagtcagc cctaatccat 9000

ctgatgcttt tccattatta ggcatgttgg agacctgggc aatgtgactg ctggcaaaga 9060

tggtgtggcc aaggtgtctt tcgaagattc tgtgatctcg ctctcaggag accattccat 9120

cattggccgc acattggtgg tgagttttca taaaaggatc tacataaaac ttcgtctaac 9180

atacagtcat gtatctcttc actttatgat tgttagtcgt ggtttctaaa gatccagata 9240

aattatactt gcagttcaaa ttaggaaaag caattttatt ggacaattat ggtgaaaatc 9300

aattatttta tctgggtcag tcaagaacac tgttctgcta agatgcagta gaaagcaggt 9360

tacatttgac catattagat ctgagtttgg aaaacagagt agtctttagt tttaaaatgg 9420

ccagattttc ttgccaggat tgggtttctc acttgtgaaa cagaacattt tgttaagttt 9480

aaaacctggg atggacttca gtattcatgt tcatccagga ctgcaggtta tcatgacttg 9540

tttaacttgt gggaagctgt tgccccaagt tattctgggg aatgcatctg gttcatgcaa 9600

aacaccaggt agactggctc tcttttacct ccctttgagg gcattaacat tcattagtca 9660

cttccactca gttaaccctt ttatttttaa ggttttcttg agccatagtt gtaaagcaga 9720

aaaattgttt acaaaggttt gttgaacaaa attcaaaata ctgttgctaa agtattaagg 9780

ttttttagga ttatgtctta tttataggcc tgtcattcat ttggtatgaa attttgagcg 9840

ttactcactt tcactttcct ttttttccaa agcaattaaa ttgccaaaga gtgactgctg 9900

aactacagtt actgtaactt atcatggagg actaagggta gtgtgtggtg gtctacaaca 9960

tagttatttg ggtttttagt atttcattta gagatagcaa cacttaccta atgtttaaag 10020

gtaatgtctt tgcaacacca agaaaaagct ttgaatagta gtttttactt ttaaactact 10080

aagtattagt atatctacta ggattaatgt tatttttcta atattatgag gttcttaaac 10140

tatcttttgg gtattgttgg gaggaggtag tgattacttg acagcccaaa gttatcttct 10200

tacaattttt tacaggtcca tgaaaaagca gatgacttgg gcaaaggtgg aaatgaagaa 10260

agtaaaaaga caggaaacgc tggaggtcgt ctggcttgtg gtgtaattgg gatcgcccaa 10320

taaacattcc cttggatgta gtctgaggcc cattaactca tctgttatcc tgctagctgt 10380

agaaatgtat cttgataaac attaaacact gtaatcttaa gagtgtaatt gtgtgacgtt 10440

tgcttagtac ctgtaatgag aaactggttg atgatcactt ggaagatttg tatagtttta 10500

taaaactcaa ttaaaatgtc tgtttcaatg acctgtattt tgccagactt aatcacagat 10560

gggtattaaa cttgtcagaa tttcttcaat tctcattcaa gcctgtgaat aaaaaccctg 10620

tatggcactc attttgagtc tattaaaaga atccaagttc aaactaaatt agctctgata 10680

cttatttata taaacagctt cagtggaaca gatttagtaa tgctaacagt gatagcattt 10740

tactttgaaa gtgttttgag atcatcaaaa tgcatacttt taaaacagca ggtcttttag 10800

ctaatacgaa cacaactctg cttagacaac aggctgtcct ttgaaagctt tagggaaatg 10860

ttcttgctta gtcattttag cattttgatt cataaagtac ctcattttaa aaagacgtta 10920

tcgtgtaaga gagccatttg ataacttagt gagtttaaaa ggcaagttac agcctcagct 10980

agctaataag attatctacc tgccagaatg gcacaaattg tacattcaag ggtggacgtt 11040

ggcacaacct acttaacaga ttagcccttt aaagaaatct atagcattgg aagatagaac 11100

caaggaaatg tttgactgtg ggttctggct gtttattaat ttacacaccg aattagtgaa 11160

atgagtcact ttcaatgtat ttacgtacct gagagagagt gcttttaaat gttattgact 11220

attcaattgg aaattgtaaa ttgtagaata tttctgataa accatgaata agtgacaatc 11280

tgttcataaa tacgtacttt atcaaatgta ggagaggaaa agctaaattg ggaagacaaa 11340

tctgtagtgt ttccaaagtt ttaaaattat gttaaagaac aatatgctta cagtaagtgg 11400

ttaaaaccac cattctttaa atctcggtaa tgtttaaaaa acactattta acccatttcc 11460

ctgatgtagt ttgttgccta tgtggaatta gagactcacg cctttcaaac ttcaaatata 11520

atcatgctac cagttaggag tagtcatttc atgtgcatat aggatgctct taagttggaa 11580

atacaggctg taagtccttc aagtctggat gttgagtaat cacgttttct tccagaagcc 11640

atttgttagg actttttttt gggccagtgt aaaattaagg acaagtttta taatttaaat 11700

ttacagatac aacaattttc tctcattttc taaaggcagg aatataagga cattgcccta 11760

gatatattct ccccatcaaa ccaaaggcct tgctgctgag tattatttaa aaaccagagt 11820

aataaagcag ctttgcctga ggatgacggc aaagacaaag ttaactgcta agcatactga 11880

aaccaagagt ttaaaaaagt aattcaaaac aacttgaagg ccataaatat ttggatagtg 11940

tgacatcagg tcttggcact ggatttcctg caatttcaga taaaggcttg acttggcttt 12000

ggatgtcttc atgtaattct tggataacct acaacaattt ttcctagtta acccaccaac 12060

tttaagcaaa agaaaaaaag tgtatgtggg ggaaaagttc agtttacctc tgcccagcag 12120

gggaattaaa aaactggtaa agaaaggcaa taggcaaggc ttatataagg aaacaataat 12180

aggttgcact gaagtcctca aacacaacaa aaagctttta gattgcaaat gttaaccttg 12240

attcttttac ccttttgaag aattcagtgg gatggttgga aaaaaaaaaa caacacacac 12300

acacatgcaa ccttctaacg taatacccac gcagtcagat aatttatagt acaacatgta 12360

acactggaat taacttttcc cccagcaaaa tcttacaaat taattagggc aacatatacc 12420

acaaagccaa tggggaaaaa aaaaaacctc gattgaattg caaacacagc ttttcaattg 12480

acattaaaac aactaacctt taccttatga ctgaaacact aaaattcaaa agtattacat 12540

atgaaagtga gaataactac ataaaatgtc tattttcatc aaataagtct aatttagact 12600

ccaatacagt attaacagct caaactttga tggtgaacaa tccttttcca ccttaatgca 12660

gtgtaggaag aatagcacac attaaagttt gttacgaaaa tagagtttat taaaaacatc 12720

cctattgttt tgaggagctt tcaccgttac cttgtcttaa attaaaaaaa aaaaaaaata 12780

gagagcactt ctaattacga tttgtaaact ttttaaagtc aaaactttta aaaagttaca 12840

gcaaaaaggg taatatttat tcatattttc agtatttttt gttattttgt ggctattttt 12900

aaatagaagg gaagcaatca aattgcttac agttccccac cagctggcgc ggggctgcag 12960

tacagcggga gcggatataa tacagcatct gtacacctca a 13001

<210> 4

<400> 4
000

<210> 5
<211> 25
<212> DNA
<213> Artificial sequence

<220>
<223> Primer

<400> 5
aggagaaaaa caaagaacac cagaa 25

<210> 6
<211> 25
<212> DNA
<213> Artificial sequence

<220>
<223> Primer

<400> 6
caattagggc aactcagaaa tagct 25

<210> 7
<211> 22
<212> DNA
<213> Artificial sequence

<220>
<223> Probe

<400> 7
ccaactggtc ccccagccaa ga 22

<210> 8
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Primer

<400> 8
gaaaccagcc tggacaccaa 20

<210> 9
<211> 24
<212> DNA
<213> Artificial sequence

<220>
<223> Primer

<400> 9
tccacagtct ttaccacgat gttc 24

<210> 10
<211> 25
<212> DNA
<213> Artificial sequence

<220>
<223> Probe

<400> 10
tccgtgtcag aaggccacct caaga 25

<210> 11
<211> 22
<212> DNA
<213> Artificial sequence

<220>
<223> Primer

<400> 11
ctctcaggag accattgcat ca 22

<210> 12
<211> 27
<212> DNA
<213> Artificial sequence

<220>
<223> Primer

<400> 12
tcctgtcttt gtactttctt catttcc 27

<210> 13
<211> 24
<212> DNA
<213> Artificial sequence

<220>
<223> Probe

<400> 13
ccgcacactg gtggtccatg aaaa 24

<210> 14
<211> 20
<212> DNA

<213> Artificial sequence

<220>
<223> Primer

<400> 14
cgtggcctag cgagttatgg 20

<210> 15
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Primer

<400> 15
gaaattgatg atgccctgca 20

<210> 16
<211> 21
<212> DNA
<213> Artificial sequence

<220>
<223> Probe

<400> 16
acgaaggccg tgtgcgtgct g 21

<210> 17
<211> 26
<212> DNA
<213> Artificial sequence

<220>
<223> Primer

<400> 17
tggagataat acacaaggct gtacca 26

<210> 18
<211> 23
<212> DNA
<213> Artificial sequence

<220>
<223> Primer

<400> 18
caacatgcct ctcttcatcc ttt 23

<210> 19
<211> 27
<212> DNA
<213> Artificial sequence

<220>
<223> Probe

<400> 19
atcctctatc cagacaacac ggtgggc 27

<210> 20

<400> 20
000

<210> 21
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 21
ccgtcgccct tcagcacgca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 22
cactggtcca ttactttcct 20

<210> 23
<211> 20
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 23
acaccttcac tggtccatta 20

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

<220>
<223> Synthetic oligonucleotide

<400> 24
ccacaccttc actggtccat 20

<210> 25
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 25
caacatgcct ctcttcatcc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 26
ccaacatgcc tctcttcatc 20

<210> 27
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 27
tccaacatgc ctctcttcat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 28
ctccaacatg cctctcttca 20

<210> 29
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 29
tctccaacat gcctctcttc 20

<210> 30
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 30
gtctccaaca tgcctctctt 20

<210> 31
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 31
caccttgcc caagtcatct 20

<210> 32
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 32
ccacctttgc ccaagtcatc 20

<210> 33
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 33
tccacctttg cccaagtcat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 34
ttccaccttt gcccaagtca 20

<210> 35
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 35
tttccacctt tgcccaagtc 20

<210> 36
<211> 20
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 36
atttccacct ttgcccaagt 20

<210> 37
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 37
catttccacc tttgcccaag 20

<210> 38
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 38
tcatttccac ctttgcccaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 39
ttcatttcca cctttgccca 20

<210> 40
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 40
cttcatttcc acctttgccc 20

<210> 41
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 41
tcttcatttc cacctttgcc 20

<210> 42
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 42
ttcttcattt ccacctttgc 20

<210> 43
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 43
tttcttcatt tccacctttg 20

<210> 44
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 44
ctttcttcat ttccaccttt 20

<210> 45
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 45
actttcttca tttccacctt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 46
tactttcttc atttccacct 20

<210> 47
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 47
ggcgatccca attacaccac 20

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

<220>
<223> Synthetic oligonucleotide

<400> 48
ggaatgttta ttgggcgatc 20

<210> 49
<211> 20
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 49
cctcagacta catccaaggg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 50
atacaaatct tccaagtgat 20

<210> 51
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 51
tgagttttat aaaactatac 20

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

<220>
<223> Synthetic oligonucleotide

<400> 52
tcattgaaac agacatttta 20

<210> 53
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 53
atacaggtca ttgaaacaga 20

<210> 54
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 54
gtcgcccttc agcacgcaca 20

<210> 55
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 55
tttaataccc atctgtgatt 20

<210> 56
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 56
agtttaatac ccatctgtga 20

<210> 57
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 57
ggtttttatt cacaggcttg 20

<210> 58
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 58
agggttttta ttcacaggct 20

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

<220>
<223> Synthetic oligonucleotide

<400> 59
atacagggtt tttattcaca 20

<210> 60
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 60
ccatacaggg tttttattca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 61
acgctgcagg agactacgac 20

<210> 62
<211> 20
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 62
cgaggactgc aacggaaacc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 63
taggccacgc cgaggtcctg 20

<210> 64
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 64
ttcagcacgc acacggcctt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 65
ccttcagcac gcacacggcc 20

<210> 66
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 66
gcccttcagc acgcacacgg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 67
tcgcccttca gcacgcacac 20

<210> 68
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 68
cgtcgccctt cagcacgcac 20

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

<220>
<223> Synthetic oligonucleotide

<400> 69
gccctgcact gggccgtcgc 20

<210> 70
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 70
aattgatgat gccctgcact 20

<210> 71
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 71
agtcctttaa tgcttcccca 20

<210> 72
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 72
aggccttcag tcagtccttt 20

<210> 73
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 73
gctgtattat ctccaaactc 20

<210> 74
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 74
tgcccaagtc tccaacatgc 20

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

<220>

<223> Synthetic oligonucleotide

<400> 75
acacatcggc cacaccatct 20

<210> 76
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 76
tctcctgaga gtgagatcac 20

<210> 77
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 77
accaccagtg tgcggccaat 20

<210> 78
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 78
tcatggacca ccagtgtgcg 20

<210> 79
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 79
gtactttctt catttccacc 20

<210> 80
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 80
ttgtactttc ttcatttcca 20

<210> 81
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 81
ctttgtactt tcttcatttc 20

<210> 82
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 82
gataacagat gagttaaggg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 83
cacaattaca cttttaagat 20

<210> 84
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 84
aatcagtttc tcactacagg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 85
cataaatcag tttctcacta 20

<210> 86
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 86
aactgagttt tataaaacta 20

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

<220>
<223> Synthetic oligonucleotide

<400> 87
ccatctgtga tttaagtctg 20

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

<220>

<223> Synthetic oligonucleotide

<400> 88
aagtgccata cagggttttt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 89
taataagtgc catacagggt 20

<210> 90
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 90
ctcataataa gtgccataca 20

<210> 91
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 91
gcctcataat aagtgccata 20

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

<220>
<223> Synthetic oligonucleotide

<400> 92
ttttaatagc ctcataataa 20

<210> 93
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 93
ggattctttt aatagcctca 20

<210> 94
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 94
ctcactacag gtactttaaa 20

<210> 95
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 95
aatcttccaa gtgatcataa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 96
attgaaacag acattttaac 20

<210> 97
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 97
caaagaaatt ctgacaagtt 20

<210> 98
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 98
acaggcttga atgacaaaga 20

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

<220>
<223> Synthetic oligonucleotide

<400> 99
tcataataag tgccatacag 20

<210> 100
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 100
caggccttca gtcagtcctt 20

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

<220>

<223> Synthetic oligonucleotide

<400> 101
cacattgccc aagtctccaa 20

<210> 102
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 102
tcggccacac catctttgtc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 103
catcggccac accatctttg 20

<210> 104
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 104
tagacacatc ggccacacca 20

<210> 105
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 105
ctcctgagag tgagatcaca 20

<210> 106
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 106
catggaccac cagtgtgcgg 20

<210> 107
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 107
taggccagac ctccgcgcct 20

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

<220>
<223> Synthetic oligonucleotide

<400> 108
actttatagg ccagacctcc 20

<210> 109
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 109
gacgcaaacc agcaccccgt 20

<210> 110
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 110
ggttccgagg actgcaacgg 20

<210> 111
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 111
tcctggttcc gaggactgca 20

<210> 112
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 112
gaggtcctgg ttccgaggac 20

<210> 113
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 113
gtcgccataa ctcgctaggc 20

<210> 114
<211> 20
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 114
tcagcacgca cacggccttc 20

<210> 115
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 115
cttcagcacg cacacggcct 20

<210> 116
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 116
cccttcagca cgcacacggc 20

<210> 117
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 117
cgcccttcag cacgcacacg 20

<210> 118
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 118
cgcccactct ggccccaaac 20

<210> 119
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 119
ccgcgactac tttataggcc 20

<210> 120
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 120
ccttctgctc gaaattgatg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 121
tccttctgct cgaaattgat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 122
ttccttctgc tcgaaattga 20

<210> 123
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 123
tttccttctg ctcgaaattg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 124
ctttccttct gctcgaaatt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 125
actttccttc tgctcgaaat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 126
tactttcctt ctgctcgaaa 20

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

<220>

<223> Synthetic oligonucleotide

<400> 127
ttactttcct tctgctcgaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 128
attactttcc ttctgctcga 20

<210> 129
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 129
cattactttc cttctgctcg 20

<210> 130
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 130
ccattacttt ccttctgctc 20

<210> 131
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 131
tccattactt tccttctgct 20

<210> 132
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 132
gtccattact ttccttctgc 20

<210> 133
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 133
ggtccattac tttccttctg 20

<210> 134
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 134
tggtccatta ctttccttct 20

<210> 135
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 135
ctggtccatt actttccttc 20

<210> 136
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 136
actggtccat tactttcctt 20

<210> 137
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 137
tcactggtcc attactttcc 20

<210> 138
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 138
ttcactggtc cattactttc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 139
cttcactggt ccattacttt 20

<210> 140
<211> 20
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 140
ccttcactgg tccattactt 20

<210> 141
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 141
accttcactg gtccattact 20

<210> 142
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 142
caccttcact ggtccattac 20

<210> 143
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 143
cacaccttca ctggtccatt 20

<210> 144
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 144
cccacacctt cactggtcca 20

<210> 145
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 145
ccccacacct tcactggtcc 20

<210> 146
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 146
tccccacacc ttcactggtc 20

<210> 147
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 147
ttccccacac cttcactggt 20

<210> 148
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 148
cttccccaca ccttcactgg 20

<210> 149
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 149
gcttccccac accttcactg 20

<210> 150
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 150
tgcttcccca caccttcact 20

<210> 151
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 151
atgcttcccc acaccttcac 20

<210> 152
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 152
aatgcttccc cacaccttca 20

<210> 153
<211> 20
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 153
taatgcttcc ccacaccttc 20

<210> 154
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 154
tccatgcagg ccttcagtca 20

<210> 155
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 155
atccatgcag gccttcagtc 20

<210> 156
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 156
aatccatgca ggccttcagt 20

<210> 157
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 157
gaatccatgc aggccttcag 20

<210> 158
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 158
ggaatccatg caggccttca 20

<210> 159
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 159
tggaatccat gcaggccttc 20

<210> 160
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 160
atggaatcca tgcaggcctt 20

<210> 161
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 161
catggaatcc atgcaggcct 20

<210> 162
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 162
acatggaatc catgcaggcc 20

<210> 163
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 163
aacatggaat ccatgcaggc 20

<210> 164
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 164
gaacatggaa tccatgcagg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 165
tgaacatgga atccatgcag 20

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

<220>

<223> Synthetic oligonucleotide

<400> 166
atgaacatgg aatccatgca 20

<210> 167
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 167
gacctgcact ggtacagcct 20

<210> 168
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 168
ggacctgcac tggtacagcc 20

<210> 169
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 169
aggacctgca ctggtacagc 20

<210> 170
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 170
gaggacctgc actggtacag 20

<210> 171
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 171
tgaggacctg cactggtaca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 172
gtgaggacct gcactggtac 20

<210> 173
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 173
agtgaggacc tgcactggta 20

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

<220>
<223> Synthetic oligonucleotide

<400> 174
aagtgaggac ctgcactggt 20

<210> 175
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 175
aaagtgagga cctgcactgg 20

<210> 176
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 176
taaagtgagg acctgcactg 20

<210> 177
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 177
ttaaagtgag gacctgcact 20

<210> 178
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 178
attaaagtga ggacctgcac 20

<210> 179
<211> 20
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 179
gattaaagtg aggacctgca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 180
ggattaaagt gaggacctgc 20

<210> 181
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 181
aggattaaag tgaggacctg 20

<210> 182
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 182
gaggattaaa gtgaggacct 20

<210> 183
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 183
agaggattaa agtgaggacc 20

<210> 184
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 184
tagaggatta aagtgaggac 20

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

<220>
<223> Synthetic oligonucleotide

<400> 185
atagaggatt aaagtgagga 20

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

<220>
<223> Synthetic oligonucleotide

<400> 186
gatagaggat taaagtgagg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 187
ggatagagga ttaaagtgag 20

<210> 188
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 188
tggatagagg attaaagtga 20

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

<220>
<223> Synthetic oligonucleotide

<400> 189
ctggatagag gattaaagtg 20

<210> 190
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 190
tctggataga ggattaaagt 20

<210> 191
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 191
atcctttggc ccaccgtgtt 20

<210> 192
<211> 20
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 192
catcctttgg cccaccgtgt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 193
tcatcctttg gcccaccgtg 20

<210> 194
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 194
ttcatccttt ggcccaccgt 20

<210> 195
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 195
cttcatcctt tggcccaccg 20

<210> 196
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 196
tcttcatcct ttggcccacc 20

<210> 197
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 197
ctcttcatcc tttggcccac 20

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

<220>
<223> Synthetic oligonucleotide

<400> 198
tctcttcatc ctttggccca 20

<210> 199
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 199
ctctcttcat cctttggccc 20

<210> 200
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 200
cctctcttca tcctttggcc 20

<210> 201
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 201
gcctctcttc atcctttggc 20

<210> 202
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 202
tgcctctctt catcctttgg 20

<210> 203
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 203
atgcctctct tcatcctttg 20

<210> 204
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 204
catgcctctc ttcatccttt 20

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

<220>

<223> Synthetic oligonucleotide

<400> 205
acatgcctct cttcatcctt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 206
aacatgcctc tcttcatcct 20

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

<220>
<223> Synthetic oligonucleotide

<400> 207
tgctttttca tggaccacca 20

<210> 208
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 208
ctgctttttc atggaccacc 20

<210> 209
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 209
tctgctttttt catggaccac 20

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

<220>
<223> Synthetic oligonucleotide

<400> 210
atctgctttt tcatggacca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 211
catctgcttt ttcatggacc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 212
tcatctgctt tttcatggac 20

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

<220>
<223> Synthetic oligonucleotide

<400> 213
gtcatctgct ttttcatgga 20

<210> 214
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 214
agtcatctgc tttttcatgg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 215
aagtcatctg ctttttcatg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 216
caagtcatct gctttttcat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 217
ccaagtcatc tgcttttca 20

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

<220>

<223> Synthetic oligonucleotide

<400> 218
cccaagtcat ctgctttttc 20

<210> 219
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 219
gcccaagtca tctgcttttt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 220
tgcccaagtc atctgctttt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 221
ttgcccaagt catctgcttt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 222
tttgcccaag tcatctgctt 20

<210> 223
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 223
ctttgcccaa gtcatctgct 20

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

<220>
<223> Synthetic oligonucleotide

<400> 224
cctttgccca agtcatctgc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 225
acctttgccc aagtcatctg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 226
cccaattaca ccacaagcca 20

<210> 227
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 227
tcccaattac accacaagcc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 228
atcccaatta caccacaagc 20

<210> 229
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 229
gatcccaatt acaccacaag 20

<210> 230
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 230
cgatcccaat tacaccacaa 20

<210> 231
<211> 20
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 231
gcgatcccaa ttacaccaca 20

<210> 232
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 232
gggcgatccc aattacacca 20

<210> 233
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 233
tgggcgatcc caattacacc 20

<210> 234
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 234
ttgggcgatc ccaattacac 20

<210> 235
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 235
attgggcgat cccaattaca 20

<210> 236
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 236
tattgggcga tcccaattac 20

<210> 237
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 237
ttattgggcg atcccaatta 20

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

<220>
<223> Synthetic oligonucleotide

<400> 238
tttattgggc gatcccaatt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 239
gtttattggg cgatcccaat 20

<210> 240
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 240
tgtttattgg gcgatcccaa 20

<210> 241
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 241
atgtttattg ggcgatccca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 242
aatgtttatt gggcgatccc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 243
gaatgtttat tgggcgatcc 20

<210> 244
<211> 20
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 244
tccaagggaa tgtttattgg 20

<210> 245
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 245
atccaaggga atgtttattg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 246
catccaaggg aatgtttatt 20

<210> 247
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 247
acatccaagg gaatgtttat 20

<210> 248
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 248
tacatccaag ggaatgttta 20

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

<220>
<223> Synthetic oligonucleotide

<400> 249
ctacatccaa gggaatgttt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 250
actacatcca agggaatgtt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 251
gactacatcc aagggaatgt 20

<210> 252
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 252
agactacatc caagggaatg 20

<210> 253
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 253
cagactacat ccaagggaat 20

<210> 254
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 254
tcagactaca tccaagggaa 20

<210> 255
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 255
ctcagactac atccaaggga 20

<210> 256
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 256
gcctcagact acatccaagg 20

<210> 257
<211> 20
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 257
ggcctcagac tacatccaag 20

<210> 258
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 258
gggcctcaga ctacatccaa 20

<210> 259
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 259
caggataaca gatgagttaa 20

<210> 260
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 260
gcaggataac agatgagtta 20

<210> 261
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 261
agcaggataa cagatgagtt 20

<210> 262
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 262
tagcaggata acagatgagt 20

<210> 263
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 263
ctagcaggat aacagatgag 20

<210> 264
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 264
gctagcagga taacagatga 20

<210> 265
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 265
agctagcagg ataacagatg 20

<210> 266
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 266
cagctagcag gataacagat 20

<210> 267
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 267
acagctagca ggataacaga 20

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

<220>
<223> Synthetic oligonucleotide

<400> 268
tacagctagc aggataacag 20

<210> 269
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 269
ctacagctag caggataaca 20

<210> 270
<211> 20
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 270
tctacagcta gcaggataac 20

<210> 271
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 271
ttctacagct agcaggataa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 272
tttctacagc tagcaggata 20

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

<220>
<223> Synthetic oligonucleotide

<400> 273
atttctacag ctagcaggat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 274
catttctaca gctagcagga 20

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

<220>
<223> Synthetic oligonucleotide

<400> 275
acatttctac agctagcagg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 276
tacatttcta cagctagcag 20

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

<220>
<223> Synthetic oligonucleotide

<400> 277
atacatttct acagctagca 20

<210> 278
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 278
gatacatttc tacagctagc 20

<210> 279
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 279
acagtgttta atgtttatca 20

<210> 280
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 280
tacagtgttt aatgtttatc 20

<210> 281
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 281
ttacagtgtt taatgtttat 20

<210> 282
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 282
attacagtgt ttaatgttta 20

<210> 283
<211> 20
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 283
gattacagtg tttaatgttt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 284
agattacagt gtttaatgtt 20

<210> 285
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 285
aagattacag tgtttaatgt 20

<210> 286
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 286
taagattaca gtgtttaatg 20

<210> 287
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 287
ttaagattac agtgtttaat 20

<210> 288
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 288
caaatcttcc aagtgatcat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 289
acaaatcttc caagtgatca 20

<210> 290
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 290
tacaaatctt ccaagtgatc 20

<210> 291
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 291
tatacaaatc ttccaagtga 20

<210> 292
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 292
ctatacaaat cttccaagtg 20

<210> 293
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 293
actatacaaa tcttccaagt 20

<210> 294
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 294
aactatacaa atcttccaag 20

<210> 295
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 295
aaactataca aatcttccaa 20

<210> 296
<211> 20
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 296
aaaactatac aaatcttcca 20

<210> 297
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 297
taaaactata caaatcttcc 20

<210> 298
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 298
ataaaactat acaaatcttc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 299
tataaaacta tacaaatctt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 300
ttataaaact atacaaatct 20

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

<220>
<223> Synthetic oligonucleotide

<400> 301
tttataaaac tatacaaatc 20

<210> 302
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 302
ttttataaaa ctatacaaat 20

<210> 303
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 303
gttttataaa actatacaaa 20

<210> 304
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 304
agttttataa aactatacaa 20

<210> 305
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 305
gagttttata aaactataca 20

<210> 306
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 306
cattgaaaca gacattttaa 20

<210> 307
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 307
gtcattgaaa cagacatttt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 308
ggtcattgaa acagacattt 20

<210> 309
<211> 20
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 309
aggtcattga aacagacatt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 310
caggtcattg aaacagacat 20

<210> 311
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 311
acaggtcatt gaaacagaca 20

<210> 312
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 312
tacaggtcat tgaaacagac 20

<210> 313
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 313
aatacaggtc attgaaacag 20

<210> 314
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 314
aaatacaggt cattgaaaca 20

<210> 315
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 315
aaaatacagg tcattgaaac 20

<210> 316
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 316
caaaatacag gtcattgaaa 20

<210> 317
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 317
ccttgccttc tgctcgaaat 20

<210> 318
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 318
aataaagttg acctcttttt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 319
ctctgatata aaaatcttgt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 320
gccccgcggc ggcctcggtc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 321
gctatcgcca ttattacaag 20

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

<220>

<223> Synthetic oligonucleotide

<400> 322
ctcaaatgtg aaagttgtcc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 323
gttctatatt caataaatgc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 324
aattaaagtt cccaaataca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 325
gatcattaca aaagttaaga 20

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

<220>
<223> Synthetic oligonucleotide

<400> 326
ccttctctgc ccttgcagcc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 327
acccaaataa ctatgttgta 20

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

<220>
<223> Synthetic oligonucleotide

<400> 328
ccaggtttta aacttaacaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 329
atctcaggac taaaataaac 20

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

<220>
<223> Synthetic oligonucleotide

<400> 330
aaataactat gttgtagacc 20

<210> 331
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 331
aagaaccttt tccagaaaat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 332
ggaacagaaa caagtctatg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 333
agaaagctat cgccattatt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 334
ttcccaaata cattctaaaa 20

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

<220>

<223> Synthetic oligonucleotide

<400> 335
aactgctcta ggcctgtgtc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 336
aaatggatca aatctgatca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 337
gtaggtgcac atcaaaatca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 338
tctgatataa aaatcttgtc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 339
accatatgaa ctccagaaag 20

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

<220>
<223> Synthetic oligonucleotide

<400> 340
aacatcaagg tagttcatga 20

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

<220>
<223> Synthetic oligonucleotide

<400> 341
gcaattacag aaatggatca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 342
ttttaagcat attccaaagt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 343
tcaaccccca gctcaaacac 20

<210> 344
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 344
agaaaaataa cattaatcct 20

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

<220>
<223> Synthetic oligonucleotide

<400> 345
aagattttaa acacggaata 20

<210> 346
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 346
agcagtcaca ttgcccaagt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 347
cagtgtttaa tgtttatcag 20

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

<220>

<223> Synthetic oligonucleotide

<400> 348
gcaaaataca ggtcattgaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 349
ggcaaaatac aggtcattga 20

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

<220>
<223> Synthetic oligonucleotide

<400> 350
tggcaaaata caggtcattg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 351
ctggcaaaat acaggtcatt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 352
tctggcaaaa tacaggtcat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 353
gtctggcaaa atacaggtca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 354
agtctggcaa aatacaggtc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 355
aagtctggca aaatacaggt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 356
taagtctggc aaaatacagg 20

<210> 357
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 357
ttaagtctgg caaaatacag 20

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

<220>
<223> Synthetic oligonucleotide

<400> 358
gtttaatacc atctgtgat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 359
aagtttaata cccatctgtg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 360
caagtttaat acccatctgt 20

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

<220>

<223> Synthetic oligonucleotide

<400> 361
acaagtttaa tacccatctg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 362
gacaagttta atacccatct 20

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

<220>
<223> Synthetic oligonucleotide

<400> 363
tgacaagttt aatacccatc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 364
ctgacaagtt taatacccat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 365
tctgacaagt ttaataccca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 366
ttctgacaag tttaataccc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 367
attctgacaa gtttaatacc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 368
aattctgaca agtttaatac 20

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

<220>
<223> Synthetic oligonucleotide

<400> 369
aaattctgac aagtttaata 20

<210> 370
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 370
gaaattctga caagtttaat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 371
agaaattctg acaagtttaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 372
aagaaattct gacaagttta 20

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

<220>
<223> Synthetic oligonucleotide

<400> 373
ttattcacag gcttgaatga 20

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

<220>

<223> Synthetic oligonucleotide

<400> 374
tttattcaca ggcttgaatg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 375
ttttattcac aggcttgaat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 376
tttttattca caggcttgaa 20

<210> 377
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 377
gtttttattc acaggcttga 20

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

<220>
<223> Synthetic oligonucleotide

<400> 378
gggtttttat tcacaggctt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 379
cagggttttt attcacaggc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 380
acagggtttt tattcacagg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 381
tacagggttt ttattcacag 20

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

<220>
<223> Synthetic oligonucleotide

<400> 382
catacagggt ttttattcac 20

<210> 383
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 383
gccatacagg gtttttattc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 384
tgccatacag ggtttttatt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 385
gtgccataca gggtttttat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 386
agtgccatac agggttttta 20

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

<220>

<223> Synthetic oligonucleotide

<400> 387
tggaaaaact caaatgtgaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 388
tttccctttc ttttccacac 20

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

<220>
<223> Synthetic oligonucleotide

<400> 389
tctttccctt tcttttccac 20

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

<220>
<223> Synthetic oligonucleotide

<400> 390
taccttctct gcccttgcag 20

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

<220>
<223> Synthetic oligonucleotide

<400> 391
gcaagggcca aggctgctgc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 392
aaagctaaat tatgaattaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 393
ctaatgaagg ctcagtatga 20

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

<220>
<223> Synthetic oligonucleotide

<400> 394
ggagtcaaat gccaaagaac 20

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

<220>
<223> Synthetic oligonucleotide

<400> 395
tgaattaaag ttcccaaata 20

<210> 396
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 396
acttggtgca ggcagaatat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 397
cctctgatat aaaaatcttg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 398
aaagttggag agagtttctg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 399
tctctgccct tgcagcccaa 20

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

<220>

<223> Synthetic oligonucleotide

<400> 400
ttacttggtg caggcagaat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 401
aatggagtca aatgccaaag 20

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

<220>
<223> Synthetic oligonucleotide

<400> 402
tatgaattaa agttcccaaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 403
agttctatat tcaataaatg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 404
tacaagtagt ataccatatg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 405
tagccttaga gctgtacaaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 406
gtccccattt gtcaattcct 20

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

<220>
<223> Synthetic oligonucleotide

<400> 407
aacctgccta ctggcagagc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 408
cttgttccca cactcaatgc 20

<210> 409
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 409
acaagtcatg ataacctgca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 410
tgttttccaa actcagatct 20

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

<220>
<223> Synthetic oligonucleotide

<400> 411
agaacctcat aatattagaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 412
ggttttaaac ttaacaaaat 20

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

<220>

<223> Synthetic oligonucleotide

<400> 413
ctctggtgta tttttagtaa 20

<210> 414
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 414
tatctctgca tatctggaaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 415
cagccttttt aacccaaaag 20

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

<220>
<223> Synthetic oligonucleotide

<400> 416
tggaatgctc cactatccaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 417
cgttcagaag tttgtctctg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 418
ctgctcaggg aaggtggaaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 419
tcaagagaag ctaggaaaac 20

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

<220>
<223> Synthetic oligonucleotide

<400> 420
tccctttctt ttccacacct 20

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

<220>
<223> Synthetic oligonucleotide

<400> 421
ttgttcccac actcaatgca 20

<210> 422
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 422
tcaccagcac agcacaacac 20

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

<220>
<223> Synthetic oligonucleotide

<400> 423
cctgggatca ttacaaaagt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 424
agtagtatac catatgaact 20

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

<220>
<223> Synthetic oligonucleotide

<400> 425
tctaatatgg tcaaatgtaa 20

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

<220>

<223> Synthetic oligonucleotide

<400> 426
ggttgggctc tggtgtattt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 427
tgccctttac ttggtgcagg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 428
agagagtttc tgaacaaaga 20

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

<220>
<223> Synthetic oligonucleotide

<400> 429
gaatttcagc aattacagaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 430
acaagttaaa caagtcatga 20

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

<220>
<223> Synthetic oligonucleotide

<400> 431
tgtgcccttt acttggtgca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 432
ttaggaggag gaaaaggacc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 433
actggcagag caattttaaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 434
agtcaaatgc caaagaacct 20

<210> 435
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 435
aagcatcaga tggattaggg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 436
gtccgcggga ccctcaggaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 437
caattacaga aatggatcaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 438
gctgtcaagt aatcactacc 20

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

<220>

<223> Synthetic oligonucleotide

<400> 439
agtgcaaagt tggagagagt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 440
acttgcttcc aatcccaaat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 441
aactcaaatg tgaaagttgt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 442
ttttagtaag atcttcaaat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 443
atttcagcaa ttacagaaat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 444
ttaagtgtcc ccatttgtca 20

<210> 445
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 445
ttagcaacct gcctactggc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 446
tattacaaga gttaagcatc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 447
atgttgaata tacatgtaca 20

<210> 448
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 448
tttgtctctg accatcttag 20

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

<220>
<223> Synthetic oligonucleotide

<400> 449
ttttccacca gttggtaact 20

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

<220>
<223> Synthetic oligonucleotide

<400> 450
caacagcttc ccacaagtta 20

<210> 451
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 451
caaatgtgaa agttgtccct 20

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

<220>

<223> Synthetic oligonucleotide

<400> 452
gctaccttct ctgcccttgc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 453
tcttagcaga acagtgttct 20

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

<220>
<223> Synthetic oligonucleotide

<400> 454
atacattcta aaaagaaaca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 455
gcacatattt acaagtagta 20

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

<220>
<223> Synthetic oligonucleotide

<400> 456
gggtcaccag cacagcacaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 457
gtgcaagggc caaggctgct 20

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

<220>
<223> Synthetic oligonucleotide

<400> 458
acctgggttc atgcatggat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 459
atcactattt gaaactaaat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 460
atacaataaa gttgacctct 20

<210> 461
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 461
ttttaaactt aacaaaatgt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 462
ctccccgcgc tcccgccacg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 463
gaaggctcag tatgaagaga 20

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

<220>
<223> Synthetic oligonucleotide

<400> 464
agaaaacagc tgatttacct 20

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

<220>

<223> Synthetic oligonucleotide

<400> 465
ccacaagtta aacaagtcat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 466
caaatttgca aacaagtagc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 467
cctaatttga actgcaagta 20

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

<220>
<223> Synthetic oligonucleotide

<400> 468
aaaaaactca tctccccagc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 469
aggctcagta tgaagagatc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 470
tgttatcaag agcacagggc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 471
cctcaaaagg gagatggtaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 472
agtatgggtc accagcacag 20

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

<220>
<223> Synthetic oligonucleotide

<400> 473
tcacaatcta gtgcagttac 20

<210> 474
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 474
caagtgagaa acccaatcct 20

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

<220>
<223> Synthetic oligonucleotide

<400> 475
agaaaatctg gccattttaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 476
acaggtaatg gtgctccgtg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 477
tgaaaggctt tcagaaaaca 20

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

<220>

<223> Synthetic oligonucleotide

<400> 478
caggcaagtt acaggaagca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 479
cagcaagctg cttaactgct 20

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

<220>
<223> Synthetic oligonucleotide

<400> 480
tgttgcaaag acattacctt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 481
gaaactaaat tagcaagatg 20

<210> 482
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 482
tcaagagcac agggccaaaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 483
aggaggagga aaaggacctc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 484
cctcagcctt tttaacccaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 485
ctatgttgta gaccaccaca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 486
ctccgtggct acatacagaa 20

<210> 487
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 487
tttatctgga tctttagaaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 488
aaaaaaagga aagtgaaagt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 489
ggttcatgca tggattctca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 490
ctgcaaagtg tcacacaaac 20

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

<220>

<223> Synthetic oligonucleotide

<400> 491
ttcagaagta ccaaagggta 20

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

<220>
<223> Synthetic oligonucleotide

<400> 492
taaaagcatt ccagcatttg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 493
tagtatacca tatgaactcc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 494
tgcatatctg gaaagctgga 20

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

<220>
<223> Synthetic oligonucleotide

<400> 495
cttaactgct ctaggcctgt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 496
aggcaccgac cgggcggcac 20

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

<220>
<223> Synthetic oligonucleotide

<400> 497
tgcaaagttg gagagagttt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 498
tcctcaaaag ggagatggta 20

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

<220>
<223> Synthetic oligonucleotide

<400> 499
agtataccat atgaactcca 20

<210> 500
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 500
tatttgtaca tgttgaatat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 501
acccaaaagg tgtatgtctc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 502
ctttggaaaa aaaggaaagt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 503
gggagaaagg caggcaagtt 20

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

<220>

<223> Synthetic oligonucleotide

<400> 504
ttaagcccag gaagtaaaag 20

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

<220>
<223> Synthetic oligonucleotide

<400> 505
agacattacc tttaaacatt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 506
gtggcttaag aaatgctccg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 507
gtgagaaggg aacagaaaca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 508
aaaagcatca gatggattag 20

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

<220>
<223> Synthetic oligonucleotide

<400> 509
ttccaccagt tggtaacttc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 510
tttttagtaa gatcttcaaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 511
atctgtgtcc aaatcccagg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 512
taagatcttc aaataagcta 20

<210> 513
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 513
atcaactctt tccctttctt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 514
tgtgtcctca aaagggagat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 515
tacctcctcc caacaatacc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 516
ttctgcttta caactatggc 20

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

<220>

<223> Synthetic oligonucleotide

<400> 517
gtacatgttg aatatacatg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 518
tttgtggcta atcttaaggt 20

<210> 519
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 519
tcctgcctca gccttttaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 520
cggtgtccgc gggaccctca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 521
gaaatggatc aaatctgatc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 522
ggtagttcat gagctaaatt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 523
aatggagtct cgactagttt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 524
caagtatggg tcaccagcac 20

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

<220>
<223> Synthetic oligonucleotide

<400> 525
ggtgtccgcg ggaccctcag 20

<210> 526
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 526
cgccacgcgc aggcccagcc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 527
tctaggcctg tgtcctcaaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 528
actgtcctgg gctaatgaag 20

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

<220>
<223> Synthetic oligonucleotide

<400> 529
aagcatcttg ttacctctct 20

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

<220>

<223> Synthetic oligonucleotide

<400> 530
gcccaggaag taaaagcatt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 531
gtaagatctt caaataagct 20

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

<220>
<223> Synthetic oligonucleotide

<400> 532
aaagggagat ggtaatcttg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 533
gccaaggctg ctgccttaca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 534
cagactaact gttcctgtcc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 535
tttgtcaatt cctttaagcc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 536
actacctcct cccaacaata 20

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

<220>
<223> Synthetic oligonucleotide

<400> 537
tacctctctt catcctttgg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 538
actgctctag gcctgtgtcc 20

<210> 539
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 539
cctcctccca acaataccca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 540
ggcaggcaag ttacaggaag 20

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

<220>
<223> Synthetic oligonucleotide

<400> 541
tcgcccactc tggccccaaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 542
cctcgcccac tctggcccca 20

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

<220>

<223> Synthetic oligonucleotide

<400> 543
cgcctcgccc actctggccc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 544
cgcgcctcgc ccactctggc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 545
tccgcgcctc gcccactctg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 546
cctccgcgcc tcgcccactc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 547
gacctccgcg cctcgcccac 20

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

<220>
<223> Synthetic oligonucleotide

<400> 548
cagacctccg cgcctcgccc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 549
gccagacctc cgcgcctcgc 20

<210> 550
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 550
aggccagacc tccgcgcctc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 551
ataggccaga cctccgcgcc 20

<210> 552
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 552
ttataggcca gacctccgcg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 553
ctttataggc cagacctccg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 554
tactttatag gccagacctc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 555
actactttat aggccagacc 20

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

<220>

<223> Synthetic oligonucleotide

<400> 556
cgactacttt ataggccaga 20

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

<220>
<223> Synthetic oligonucleotide

<400> 557
cgcgactact ttataggcca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 558
tccgcgacta ctttataggc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 559
tctccgcgac tactttatag 20

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

<220>
<223> Synthetic oligonucleotide

<400> 560
cgtctccgcg actactttat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 561
cccgtctccg cgactacttt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 562
accccgtctc cgcgactact 20

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

<220>
<223> Synthetic oligonucleotide

<400> 563
gcaccccgtc tccgcgacta 20

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

<220>
<223> Synthetic oligonucleotide

<400> 564
cagcaccccg tctccgcgac 20

<210> 565
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 565
accagcaccc cgtctccgcg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 566
aaaccagcac cccgtctccg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 567
gcaaaccagc accccgtctc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 568
acgcaaacca gcaccccgtc 20

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

<220>

<223> Synthetic oligonucleotide

<400> 569
cgacgcaaac cagcaccccg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 570
tacgacgcaa accagcaccc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 571
actacgacgc aaaccagcac 20

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

<220>
<223> Synthetic oligonucleotide

<400> 572
agactacgac gcaaaccagc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 573
ggagactacg acgcaaacca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 574
caggagacta cgacgcaaac 20

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

<220>
<223> Synthetic oligonucleotide

<400> 575
tgcaggagac tacgacgcaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 576
gctgcaggag actacgacgc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 577
gcaacggaaa ccccagacgc 20

<210> 578
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 578
ctgcaacgga aaccccagac 20

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

<220>
<223> Synthetic oligonucleotide

<400> 579
gactgcaacg gaaaccccag 20

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

<220>
<223> Synthetic oligonucleotide

<400> 580
ggactgcaac ggaaacccca 20

<210> 581
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 581
aggactgcaa cggaaacccc 20

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

<220>

<223> Synthetic oligonucleotide

<400> 582
tccgaggact gcaacggaaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 583
gttccgagga ctgcaacgga 20

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

<220>
<223> Synthetic oligonucleotide

<400> 584
tggttccgag gactgcaacg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 585
cctggttccg aggactgcaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 586
gtcctggttc cgaggactgc 20

<210> 587
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 587
aggtcctggt tccgaggact 20

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

<220>
<223> Synthetic oligonucleotide

<400> 588
cgaggtcctg gttccgagga 20

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

<220>
<223> Synthetic oligonucleotide

<400> 589
gccgaggtcc tggttccgag 20

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

<220>
<223> Synthetic oligonucleotide

<400> 590
acgccgaggt cctggttccg 20

<210> 591
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 591
ccacgccgag gtcctggttc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 592
ggccacgccg aggtcctggt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 593
gctaggccac gccgaggtcc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 594
tcgctaggcc acgccgaggt 20

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

<220>

<223> Synthetic oligonucleotide

<400> 595
actcgctagg ccacgccgag 20

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

<220>
<223> Synthetic oligonucleotide

<400> 596
taactcgcta ggccacgccg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 597
cataactcgc taggccacgc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 598
gccataactc gctaggccac 20

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

<220>
<223> Synthetic oligonucleotide

<400> 599
tcgccataac tcgctaggcc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 600
cgtcgccata actcgctagg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 601
cagcacgcac acggccttcg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 602
gccgtcgccc ttcagcacgc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 603
ggccgtcgcc cttcagcacg 20

<210> 604
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 604
gggccgtcgc ccttcagcac 20

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

<220>
<223> Synthetic oligonucleotide

<400> 605
ctgggccgtc gcccttcagc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 606
cactgggccg tcgcccttca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 607
tgcactgggc cgtcgccctt 20

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

<220>

<223> Synthetic oligonucleotide

<400> 608
cctgcactgg gccgtcgccc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 609
atgccctgca ctgggccgtc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 610
tgatgccctg cactgggccg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 611
gatgatgccc tgcactgggc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 612
ttgatgatgc cctgcactgg 20

<210> 613
<211> 18
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 613
ggcgatccca attacacc 18

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

<220>
<223> Synthetic oligonucleotide

<400> 614
tcgaaattga tgatgccctg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 615
gctcgaaatt gatgatgccc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 616
ctgctcgaaa ttgatgatgc 20

<210> 617
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 617
ttctgctcga aattgatgat 20

<210> 618
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 618
ttaatgcttc cccacacctt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 619
ctttaatgct tccccacacc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 620
tcctttaatg cttccccaca 20

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

<220>

<223> Synthetic oligonucleotide

<400> 621
tcagtccttt aatgcttccc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 622
agtcagtcct ttaatgcttc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 623
tcagtcagtc ctttaatgct 20

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

<220>
<223> Synthetic oligonucleotide

<400> 624
cttcagtcag tcctttaatg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 625
gccttcagtc agtcctttaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 626
gcaggccttc agtcagtcct 20

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

<220>
<223> Synthetic oligonucleotide

<400> 627
atgcaggcct tcagtcagtc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 628
ccatgcaggc cttcagtcag 20

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

<220>
<223> Synthetic oligonucleotide

<400> 629
catgaacatg gaatccatgc 20

<210> 630
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 630
ctcatgaaca tggaatccat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 631
aactcatgaa catggaatcc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 632
ccaaactcat gaacatggaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 633
ctccaaactc atgaacatgg 20

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

<220>

<223> Synthetic oligonucleotide

<400> 634
atctccaaac tcatgaacat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 635
ttatctccaa actcatgaac 20

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

<220>
<223> Synthetic oligonucleotide

<400> 636
tattatctcc aaactcatga 20

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

<220>
<223> Synthetic oligonucleotide

<400> 637
tgtattatct ccaaactcat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 638
ctgctgtatt atctccaaac 20

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

<220>
<223> Synthetic oligonucleotide

<400> 639
gcctgctgta ttatctccaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 640
cagcctgctg tattatctcc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 641
tacagcctgc tgtattatct 20

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

<220>
<223> Synthetic oligonucleotide

<400> 642
ggtacagcct gctgtattat 20

<210> 643
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 643
ctggtacagc ctgctgtatt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 644
cactggtaca gcctgctgta 20

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

<220>
<223> Synthetic oligonucleotide

<400> 645
tgcactggta cagcctgctg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 646
cctgcactgg tacagcctgc 20

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

<220>

<223> Synthetic oligonucleotide

<400> 647
ttctggatag aggattaaag 20

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

<220>
<223> Synthetic oligonucleotide

<400> 648
ttttctggat agaggattaa 20

<210> 649
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 649
tgttttctgg atagaggatt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 650
cgtgttttct ggatagagga 20

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

<220>
<223> Synthetic oligonucleotide

<400> 651
accgtgtttt ctggatagag 20

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

<220>
<223> Synthetic oligonucleotide

<400> 652
ccaccgtgtt ttctggatag 20

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

<220>
<223> Synthetic oligonucleotide

<400> 653
gcccaccgtg ttttctggat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 654
tggcccaccg tgttttctgg 20

<210> 655
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 655
tttggcccac cgtgttttct 20

<210> 656
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 656
cctttggccc accgtgtttt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 657
agtctccaac atgcctctct 20

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

<220>
<223> Synthetic oligonucleotide

<400> 658
caagtctcca acatgcctct 20

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

<220>
<223> Synthetic oligonucleotide

<400> 659
cccaagtctc caacatgcct 20

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

<220>

<223> Synthetic oligonucleotide

<400> 660
attgcccaag tctccaacat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 661
acattgccca agtctccaac 20

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

<220>
<223> Synthetic oligonucleotide

<400> 662
tcacattgcc caagtctcca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 663
agtcacattg cccaagtctc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 664
gcagtcacat tgcccaagtc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 665
cagcagtcac attgcccaag 20

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

<220>
<223> Synthetic oligonucleotide

<400> 666
gtcagcagtc acattgccca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 667
ttgtcagcag tcacattgcc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 668
ctttgtcagc agtcacattg 20

<210> 669
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 669
atctttgtca gcagtcacat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 670
ccatctttgt cagcagtcac 20

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

<220>
<223> Synthetic oligonucleotide

<400> 671
caccatcttt gtcagcagtc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 672
cacaccatct ttgtcagcag 20

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

<220>

<223> Synthetic oligonucleotide

<400> 673
gccacaccat ctttgtcagc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 674
cggccacacc atctttgtca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 675
atcggccaca ccatctttgt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 676
acatcggcca caccatcttt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 677
agacacatcg gccacaccat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 678
atagacacat cggccacacc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 679
caatagacac atcggccaca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 680
ttcaatagac acatcggcca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 681
tcttcaatag acacatcggc 20

<210> 682
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 682
aatcttcaat agacacatcg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 683
agaatcttca atagacacat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 684
acagaatctt caatagacac 20

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

<220>
<223> Synthetic oligonucleotide

<400> 685
tcacagaatc ttcaatagac 20

<210> 686
<211> 20
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 686
gatcacagaa tcttcaatag 20

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

<220>
<223> Synthetic oligonucleotide

<400> 687
gagatcacag aatcttcaat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 688
gtgagatcac agaatcttca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 689
gagtgagatc acagaatctt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 690
gagagtgaga tcacagaatc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 691
ctgagagtga gatcacagaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 692
tcctgagagt gagatcacag 20

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

<220>
<223> Synthetic oligonucleotide

<400> 693
ggtctcctga gagtgagatc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 694
atggtctcct gagagtgaga 20

<210> 695
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 695
caatggtctc ctgagagtga 20

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

<220>
<223> Synthetic oligonucleotide

<400> 696
tgcaatggtc tcctgagagt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 697
gatgcaatgg tctcctgaga 20

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

<220>
<223> Synthetic oligonucleotide

<400> 698
atgatgcaat ggtctcctga 20

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

<220>

<223> Synthetic oligonucleotide

<400> 699
caatgatgca atggtctcct 20

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

<220>
<223> Synthetic oligonucleotide

<400> 700
gccaatgatg caatggtctc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 701
cggccaatga tgcaatggtc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 702
tgcggccaat gatgcaatgg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 703
tgtgcggcca atgatgcaat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 704
agtgtgcggc caatgatgca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 705
ccagtgtgcg gccaatgatg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 706
caccagtgtg cggccaatga 20

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

<220>
<223> Synthetic oligonucleotide

<400> 707
ggaccaccag tgtgcggcca 20

<210> 708
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 708
atggaccacc agtgtgcggc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 709
tttcatggac caccagtgtg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 710
tttttcatgg accaccagtg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 711
gctttttcat ggaccaccag 20

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

<220>

<223> Synthetic oligonucleotide

<400> 712
tgtctttgta ctttcttcat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 713
cctgtctttg tactttcttc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 714
ttcctgtctt tgtactttct 20

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

<220>
<223> Synthetic oligonucleotide

<400> 715
gtttcctgtc tttgtacttt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 716
aagccaaacg acttccagcg 20

<210> 717
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 717
acaagccaaa cgacttccag 20

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

<220>
<223> Synthetic oligonucleotide

<400> 718
ccacaagcca aacgacttcc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 719
caccacaagc caaacgactt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 720
tacaccacaa gccaaacgac 20

<210> 721
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 721
attacaccac aagccaaacg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 722
caattacacc acaagccaaa 20

<210> 723
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 723
aggataacag atgagttaag 20

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

<220>
<223> Synthetic oligonucleotide

<400> 724
ggatacattt ctacagctag 20

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

<220>

<223> Synthetic oligonucleotide

<400> 725
caggatacat ttctacagct 20

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

<220>
<223> Synthetic oligonucleotide

<400> 726
atcaggatac atttctacag 20

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

<220>
<223> Synthetic oligonucleotide

<400> 727
ttatcaggat acatttctac 20

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

<220>
<223> Synthetic oligonucleotide

<400> 728
gtttatcagg atacatttct 20

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

<220>
<223> Synthetic oligonucleotide

<400> 729
atgtttatca ggatacattt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 730
taatgtttat caggatacat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 731
tttaatgttt atcaggatac 20

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

<220>
<223> Synthetic oligonucleotide

<400> 732
tgtttaatgt ttatcaggat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 733
agtgtttaat gtttatcagg 20

<210> 734
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 734
tttaagatta cagtgtttaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 735
cttttaagat tacagtgttt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 736
cacttttaag attacagtgt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 737
tacactttta agattacagt 20

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

<220>

<223> Synthetic oligonucleotide

<400> 738
attacacttt taagattaca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 739
caattacact tttaagatta 20

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

<220>
<223> Synthetic oligonucleotide

<400> 740
cacacaatta cacttttaag 20

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

<220>
<223> Synthetic oligonucleotide

<400> 741
gtcacacaat tacactttta 20

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

<220>
<223> Synthetic oligonucleotide

<400> 742
aagtcacaca attacacttt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 743
aaaagtcaca caattacact 20

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

<220>
<223> Synthetic oligonucleotide

<400> 744
gaaaaagtca cacaattaca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 745
ctgaaaaagt cacacaatta 20

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

<220>
<223> Synthetic oligonucleotide

<400> 746
ctctgaaaaa gtcacacaat 20

<210> 747
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 747
aactctgaaa aagtcacaca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 748
gcaactctga aaaagtcaca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 749
aagcaactct gaaaaagtca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 750
ttaaagcaac tctgaaaaag 20

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

<220>

<223> Synthetic oligonucleotide

<400> 751
ctttaaagca actctgaaaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 752
tactttaaag caactctgaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 753
ggtactttaa agcaactctg 20

<210> 754
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 754
caggtacttt aaagcaactc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 755
tacaggtact ttaaagcaac 20

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

<220>
<223> Synthetic oligonucleotide

<400> 756
actacaggta ctttaaagca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 757
tcactacagg tactttaaag 20

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

<220>
<223> Synthetic oligonucleotide

<400> 758
tctcactaca ggtactttaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 759
tttctcacta caggtacttt 20

<210> 760
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 760
agtttctcac tacaggtact 20

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

<220>
<223> Synthetic oligonucleotide

<400> 761
tcagtttctc actacaggta 20

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

<220>
<223> Synthetic oligonucleotide

<400> 762
taaatcagtt tctcactaca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 763
atcataaatc agtttctcac 20

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

<220>

<223> Synthetic oligonucleotide

<400> 764
tgatcataaa tcagtttctc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 765
agtgatcata aatcagtttc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 766
caagtgatca taaatcagtt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 767
tccaagtgat cataaatcag 20

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

<220>
<223> Synthetic oligonucleotide

<400> 768
cttccaagtg atcataaatc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 769
atcttccaag tgatcataaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 770
aaatcttcca agtgatcata 20

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

<220>
<223> Synthetic oligonucleotide

<400> 771
ctgagtttta taaaactata 20

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

<220>
<223> Synthetic oligonucleotide

<400> 772
ttaactgagt tttataaaac 20

<210> 773
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 773
ttttaactga gttttataaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 774
cattttaact gagttttata 20

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

<220>
<223> Synthetic oligonucleotide

<400> 775
gacattttaa ctgagtttta 20

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

<220>
<223> Synthetic oligonucleotide

<400> 776
cagacatttt aactgagttt 20

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

<220>

<223> Synthetic oligonucleotide

<400> 777
aacagacatt ttaactgagt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 778
gaaacagaca ttttaactga 20

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

<220>
<223> Synthetic oligonucleotide

<400> 779
ttgaaacaga cattttaact 20

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

<220>
<223> Synthetic oligonucleotide

<400> 780
tttaagtctg gcaaaataca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 781
gatttaagtc tggcaaaata 20

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

<220>
<223> Synthetic oligonucleotide

<400> 782
gtgatttaag tctggcaaaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 783
ctgtgattta agtctggcaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 784
atctgtgatt taagtctggc 20

<210> 785
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 785
acccatctgt gatttaagtc 20

<210> 786
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 786
atacccatct gtgatttaag 20

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

<220>
<223> Synthetic oligonucleotide

<400> 787
taatacccat ctgtgattta 20

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

<220>
<223> Synthetic oligonucleotide

<400> 788
aaagaaattc tgacaagttt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 789
acaaagaaat tctgacaagt 20

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

<220>

<223> Synthetic oligonucleotide

<400> 790
tgacaaagaa attctgacaa 20

<210> 791
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 791
aatgacaaag aaattctgac 20

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

<220>
<223> Synthetic oligonucleotide

<400> 792
tgaatgacaa agaaattctg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 793
cttgaatgac aaagaaattc 20

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

<220>
<223> Synthetic oligonucleotide

<400> 794
ggcttgaatg acaaagaaat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 795
caggcttgaa tgacaaagaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 796
cacaggcttg aatgacaaag 20

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

<220>
<223> Synthetic oligonucleotide

<400> 797
ttcacaggct tgaatgacaa 20

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

<220>
<223> Synthetic oligonucleotide

<400> 798
tattcacagg cttgaatgac 20

<210> 799
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 799
ataagtgcca tacagggttt 20

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

<220>
<223> Synthetic oligonucleotide

<400> 800
cataataagt gccatacagg 20

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

<220>
<223> Synthetic oligonucleotide

<400> 801
tagcctcata ataagtgcca 20

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

<220>
<223> Synthetic oligonucleotide

<400> 802
aatagcctca taataagtgc 20

<210> 803
<211> 20
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 803
ttaatagcct cataataagt 20

<210> 804
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 804
tcttttaata gcctcataat 20

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

<220>
<223> Synthetic oligonucleotide

<400> 805
attcttttaa tagcctcata 20

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

<220>
<223> Synthetic oligonucleotide

<400> 806
ttggattctt ttaatagcct 20

<210> 807
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 807
atttggattc ttttaatagc 20

<210> 808
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 808
gaatttggat tcttttaata 20

<210> 809
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 809
ttgaatttgg attcttttaa 20

<210> 810
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 810
gtttgaattt ggattctttt 20

<210> 811
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 811
tagtttgaat ttggattctt 20

<210> 812
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 812
tttagtttga atttggattc 20

<210> 813
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 813
tttttagttt gaatttggat 20

<210> 814
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 814
ttttttttagt ttgaatttgg 20

<210> 815
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 815
cgtttcctgt ctttgtactt 20

<210> 816
<211> 20
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 816
caagccaaac gacttccagc 20

<210> 817
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 817
cacaagccaa acgacttcca 20

<210> 818
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 818
accacaagcc aaacgacttc 20

<210> 819
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 819
acaccacaag ccaaacgact 20

<210> 820
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 820
ttacaccaca agccaaacga 20

<210> 821
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 821
ggataacaga tgagttaagg 20

<210> 822
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 822
aggatacatt tctacagcta 20

<210> 823
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 823
tcaggataca tttctacagc 20

<210> 824
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 824
tatcaggata catttctaca 20

<210> 825
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 825
tgtttatcag gatacatttc 20

<210> 826
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 826
aatgtttatc aggatacatt 20

<210> 827
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 827
ttaatgttta tcaggataca 20

<210> 828
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 828
gtttaatgtt tatcaggata 20

<210> 829
<211> 20
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 829
gtgtttaatg tttatcagga 20

<210> 830
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 830
ttttaagatt acagtgttta 20

<210> 831
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 831
acttttaaga ttacagtgtt 20

<210> 832
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 832
acacttttaa gattacagtg 20

<210> 833
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 833
ttacactttt aagattacag 20

<210> 834
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 834
aattacactt ttaagattac 20

<210> 835
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 835
acacaattac acttttaaga 20

<210> 836
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 836
tcacacaatt acacttttaa 20

<210> 837
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 837
aaagtcacac aattacactt 20

<210> 838
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 838
tgaaaaagtc acacaattac 20

<210> 839
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 839
tctgaaaaag tcacacaatt 20

<210> 840
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 840
actctgaaaa agtcacacaa 20

<210> 841
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 841
agcaactctg aaaaagtcac 20

<210> 842
<211> 20
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 842
actttaaagc aactctgaaa 20

<210> 843
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 843
gtactttaaa gcaactctga 20

<210> 844
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 844
aggtacttta aagcaactct 20

<210> 845
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 845
cactacaggt actttaaagc 20

<210> 846
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 846
ttctcactac aggtacttta 20

<210> 847
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 847
gtttctcact acaggtactt 20

<210> 848
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 848
cagtttctca ctacaggtac 20

<210> 849
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 849
atcagtttct cactacaggt 20

<210> 850
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 850
aaatcagttt ctcactacag 20

<210> 851
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 851
tcataaatca gtttctcact 20

<210> 852
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 852
gtgatcataa atcagtttct 20

<210> 853
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 853
aagtgatcat aaatcagttt 20

<210> 854
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 854
ccaagtgatc ataaatcagt 20

<210> 855
<211> 20
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 855
ttccaagtga tcataaatca 20

<210> 856
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 856
tcttccaagt gatcataaat 20

<210> 857
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 857
taactgagtt ttataaaact 20

<210> 858
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 858
aaacagacat tttaactgag 20

<210> 859
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 859
tgaaacagac attttaactg 20

<210> 860
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 860
atttaagtct ggcaaaatac 20

<210> 861
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 861
tgtgatttaa gtctggcaaa 20

<210> 862
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 862
tctgtgattt aagtctggca 20

<210> 863
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 863
catctgtgat ttaagtctgg 20

<210> 864
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 864
cccatctgtg atttaagtct 20

<210> 865
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 865
tacccatctg tgatttaagt 20

<210> 866
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 866
aatacccatc tgtgatttaa 20

<210> 867
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 867
ttaataccca tctgtgattt 20

<210> 868
<211> 20
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 868
gacaaagaaa ttctgacaag 20

<210> 869
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 869
gaatgacaaa gaaattctga 20

<210> 870
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 870
aggcttgaat gacaaagaaa 20

<210> 871
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 871
taagtgccat acagggtttt 20

<210> 872
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 872
ataataagtg ccatacaggg 20

<210> 873
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 873
cctcataata agtgccatac 20

<210> 874
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 874
agcctcataa taagtgccat 20

<210> 875
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 875
atagcctcat aataagtgcc 20

<210> 876
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 876
cttttaatag cctcataata 20

<210> 877
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 877
ttcttttaat agcctcataa 20

<210> 878
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 878
gattctttta tagcctcat 20

<210> 879
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 879
tggattcttt taatagcctc 20

<210> 880
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 880
tttggattct tttaatagcc 20

<210> 881
<211> 20
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 881
aatttggatt cttttaatag 20

<210> 882
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 882
tgaatttgga ttcttttaat 20

<210> 883
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 883
ttagtttgaa tttggattct 20

<210> 884
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 884
ttttagtttg aatttggatt 20

<210> 885
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 885
ttttttagtt tgaatttgga 20

<210> 886
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 886
cagtccttta atgcttcccc 20

<210> 887
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 887
gtcagtcctt taatgcttcc 20

<210> 888
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 888
cagtcagtcc tttaatgctt 20

<210> 889
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 889
ttcagtcagt cctttaatgc 20

<210> 890
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 890
ggccttcagt cagtccttta 20

<210> 891
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 891
tgcaggcctt cagtcagtcc 20

<210> 892
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 892
catgcaggcc ttcagtcagt 20

<210> 893
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 893
tcatgaacat ggaatccatg 20

<210> 894
<211> 20
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 894
actcatgaac atggaatcca 20

<210> 895
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 895
ctgtattatc tccaaactca 20

<210> 896
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 896
actggtacag cctgctgtat 20

<210> 897
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 897
gcactggtac agcctgctgt 20

<210> 898
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 898
ctgcactggt acagcctgct 20

<210> 899
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 899
acctgcactg gtacagcctg 20

<210> 900
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 900
tttctggata gaggattaaa 20

<210> 901
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 901
gttttctgga tagaggatta 20

<210> 902
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 902
ccgtgttttc tggatagagg 20

<210> 903
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 903
caccgtgttt tctggataga 20

<210> 904
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 904
cccaccgtgt tttctggata 20

<210> 905
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 905
ggcccaccgt gttttctgga 20

<210> 906
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 906
ttggcccacc gtgttttctg 20

<210> 907
<211> 20
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 907
ctttggccca ccgtgttttc 20

<210> 908
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 908
tcctttggcc caccgtgttt 20

<210> 909
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 909
aagtctccaa catgcctctc 20

<210> 910
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 910
gcccaagtct ccaacatgcc 20

<210> 911
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 911
ttgcccaagt ctccaacatg 20

<210> 912
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 912
cattgcccaa gtctccaaca 20

<210> 913
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 913
cagtcacatt gcccaagtct 20

<210> 914
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 914
tcagcagtca cattgcccaa 20

<210> 915
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 915
tgtcagcagt cacattgccc 20

<210> 916
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 916
tttgtcagca gtcacattgc 20

<210> 917
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 917
tctttgtcag cagtcacatt 20

<210> 918
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 918
catctttgtc agcagtcaca 20

<210> 919
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 919
accatctttg tcagcagtca 20

<210> 920
<211> 20
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 920
ccacaccatc tttgtcagca 20

<210> 921
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 921
ggccacacca tctttgtcag 20

<210> 922
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 922
cacatcggcc acaccatctt 20

<210> 923
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 923
gacacatcgg ccacaccatc 20

<210> 924
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 924
aatagacaca tcggccacac 20

<210> 925
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 925
tcaatagaca catcggccac 20

<210> 926
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 926
cttcaataga cacatcggcc 20

<210> 927
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 927
atcttcaata gacacatcgg 20

<210> 928
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 928
gaatcttcaa tagacacatc 20

<210> 929
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 929
cagaatcttc aatagacaca 20

<210> 930
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 930
cacagaatct tcaatagaca 20

<210> 931
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 931
atcacagaat cttcaataga 20

<210> 932
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 932
agatcacaga atcttcaata 20

<210> 933
<211> 20
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 933
tgagatcaca gaatcttcaa 20

<210> 934
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 934
agtgagatca cagaatcttc 20

<210> 935
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 935
tgagagtgag atcacagaat 20

<210> 936
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 936
gtctcctgag agtgagatca 20

<210> 937
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 937
tggtctcctg agagtgagat 20

<210> 938
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 938
aatggtctcc tgagagtgag 20

<210> 939
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 939
gcaatggtct cctgagagtg 20

<210> 940
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 940
atgcaatggt ctcctgagag 20

<210> 941
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 941
tgatgcaatg gtctcctgag 20

<210> 942
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 942
aatgatgcaa tggtctcctg 20

<210> 943
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 943
ccaatgatgc aatggtctcc 20

<210> 944
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 944
ggccaatgat gcaatggtct 20

<210> 945
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 945
gcggccaatg atgcaatggt 20

<210> 946
<211> 20
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 946
gtgcggccaa tgatgcaatg 20

<210> 947
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 947
gtgtgcggcc aatgatgcaa 20

<210> 948
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 948
cagtgtgcgg ccaatgatgc 20

<210> 949
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 949
accagtgtgc ggccaatgat 20

<210> 950
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 950
ccaccagtgt gcggccaatg 20

<210> 951
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 951
gaccaccagt gtgcggccaa 20

<210> 952
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 952
tggaccacca gtgtgcggcc 20

<210> 953
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 953
ttcatggacc accagtgtgc 20

<210> 954
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 954
ttttcatgga ccaccagtgt 20

<210> 955
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 955
cttttttcatg gaccaccagt 20

<210> 956
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 956
ccactctggc cccaaac 17

<210> 957
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 957
cccactctgg ccccaaa 17

<210> 958
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 958
gcccactctg gccccaa 17

<210> 959
<211> 17
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 959
cgcccactct ggcccca 17

<210> 960
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 960
cgactacttt ataggcc 17

<210> 961
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 961
gcgactactt tataggc 17

<210> 962
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 962
cgcgactact ttatagg 17

<210> 963
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 963
ccgcgactac tttatag 17

<210> 964
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 964
cgctgcagga gactacg 17

<210> 965
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 965
acgctgcagg agactac 17

<210> 966
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 966
tcgcccttca gcacgca 17

<210> 967
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 967
gtcgcccttc agcacgc 17

<210> 968
<211> 17

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 968
cgtcgccctt cagcacg 17

<210> 969
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 969
ccgtcgccct tcagcac 17

<210> 970
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 970
gccgtcgccc ttcagca 17

<210> 971
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 971
tctgctcgaa attgatg 17

<210> 972
<211> 17
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 972
ttctgctcga aattgat 17

<210> 973
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 973
cttctgctcg aaattga 17

<210> 974
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 974
ccttctgctc gaaattg 17

<210> 975
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 975
tccttctgct cgaaatt 17

<210> 976
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 976
ttccttctgc tcgaaat 17

<210> 977
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 977
tttccttctg ctcgaaa 17

<210> 978
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 978
ctttccttct gctcgaa 17

<210> 979
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 979
actttccttc tgctcga 17

<210> 980
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 980
tactttcctt ctgctcg 17

<210> 981
<211> 17

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 981
ttactttcct tctgctc 17

<210> 982
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 982
attactttcc ttctgct 17

<210> 983
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 983
cattactttc cttctgc 17

<210> 984
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 984
ccattacttt ccttctg 17

<210> 985
<211> 17
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 985
tccattactt tccttct 17

<210> 986
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 986
gtccattact ttccttc 17

<210> 987
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 987
ggtccattac tttcctt 17

<210> 988
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 988
tggtccatta ctttcct 17

<210> 989
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 989
ctggtccatt actttcc 17

<210> 990
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 990
actggtccat tactttc 17

<210> 991
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 991
cactggtcca ttacttt 17

<210> 992
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 992
tcactggtcc attactt 17

<210> 993
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 993
ttcactggtc cattact 17

<210> 994
<211> 17

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 994
cttcactggt ccattac 17

<210> 995
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 995
ccttcactgg tccatta 17

<210> 996
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 996
accttcactg gtccatt 17

<210> 997
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 997
caccttcact ggtccat 17

<210> 998
<211> 17
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 998
acaccttcac tggtcca 17

<210> 999
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 999
cacaccttca ctggtcc 17

<210> 1000
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1000
ccacaccttc actggtc 17

<210> 1001
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1001
cccacacctt cactggt 17

<210> 1002
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1002
ccccacacct tcactgg 17

<210> 1003
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1003
ttccccacac cttcact 17

<210> 1004
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1004
cttccccaca ccttcac 17

<210> 1005
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1005
gcttccccac accttca 17

<210> 1006
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1006
tgcttcccca caccttc 17

<210> 1007
<211> 17

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1007
atgcttcccc acacctt 17

<210> 1008
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1008
aatgcttccc cacacct 17

<210> 1009
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1009
taatgcttcc ccacacc 17

<210> 1010
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1010
atgcaggcct tcagtca 17

<210> 1011
<211> 17
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1011
catgcaggcc ttcagtc 17

<210> 1012
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1012
ccatgcaggc cttcagt 17

<210> 1013
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1013
tccatgcagg ccttcag 17

<210> 1014
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1014
atccatgcag gccttca 17

<210> 1015
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1015
aatccatgca ggccttc 17

<210> 1016
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1016
gaatccatgc aggcctt 17

<210> 1017
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1017
ggaatccatg caggcct 17

<210> 1018
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1018
tggaatccat gcaggcc 17

<210> 1019
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1019
atggaatcca tgcaggc 17

<210> 1020
<211> 17

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1020
catggaatcc atgcagg 17

<210> 1021
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1021
acatggaatc catgcag 17

<210> 1022
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1022
aacatggaat ccatgca 17

<210> 1023
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1023
gaacatggaa tccatgc 17

<210> 1024
<211> 17
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1024
tgaacatgga atccatg 17

<210> 1025
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1025
atgaacatgg aatccat 17

<210> 1026
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1026
ctgcactggt acagcct 17

<210> 1027
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1027
cctgcactgg tacagcc 17

<210> 1028
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1028
acctgcactg gtacagc 17

<210> 1029
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1029
gacctgcact ggtacag 17

<210> 1030
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1030
ggacctgcac tggtaca 17

<210> 1031
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1031
aggacctgca ctggtac 17

<210> 1032
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1032
gaggacctgc actggta 17

<210> 1033
<211> 17

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1033
tgaggacctg cactggt 17

<210> 1034
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1034
gtgaggacct gcactgg 17

<210> 1035
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1035
agtgaggacc tgcactg 17

<210> 1036
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1036
aagtgaggac ctgcact 17

<210> 1037
<211> 17
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1037
aaagtgagga cctgcac 17

<210> 1038
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1038
taaagtgagg acctgca 17

<210> 1039
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1039
ttaaagtgag gacctgc 17

<210> 1040
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1040
attaaagtga ggacctg 17

<210> 1041
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1041
gattaaagtg aggacct 17

<210> 1042
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1042
ggattaaagt gaggacc 17

<210> 1043
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1043
aggattaaag tgaggac 17

<210> 1044
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1044
gaggattaaa gtgagga 17

<210> 1045
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1045
agaggattaa agtgagg 17

<210> 1046
<211> 17

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1046
tagaggatta aagtgag 17

<210> 1047
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1047
atagaggatt aaagtga 17

<210> 1048
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1048
gatagaggat taaagtg 17

<210> 1049
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1049
ggatagagga ttaaagt 17

<210> 1050
<211> 17
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1050
tggatagagg attaaag 17

<210> 1051
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1051
ctggatagag gattaaa 17

<210> 1052
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1052
tctggataga ggattaa 17

<210> 1053
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1053
ctttggccca ccgtgtt 17

<210> 1054
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1054
cctttggccc accgtgt 17

<210> 1055
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1055
tcctttggcc caccgtg 17

<210> 1056
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1056
atcctttggc ccaccgt 17

<210> 1057
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1057
catcctttgg cccaccg 17

<210> 1058
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1058
tcatcctttg gcccacc 17

<210> 1059
<211> 17

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1059
ttcatccttt ggcccac 17

<210> 1060
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1060
cttcatcctt tggccca 17

<210> 1061
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1061
tcttcatcct ttggccc 17

<210> 1062
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1062
ctcttcatcc tttggcc 17

<210> 1063
<211> 17
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1063
tctcttcatc ctttggc 17

<210> 1064
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1064
ctctcttcat cctttgg 17

<210> 1065
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1065
tgcctctctt catcctt 17

<210> 1066
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1066
atgcctctct tcatcct 17

<210> 1067
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1067
catgcctctc ttcatcc 17

<210> 1068
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1068
acatgcctct cttcatc 17

<210> 1069
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1069
aacatgcctc tcttcat 17

<210> 1070
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1070
caacatgcct ctcttca 17

<210> 1071
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1071
ccaacatgcc tctcttc 17

<210> 1072
<211> 17

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1072
tccaacatgc ctctctt 17

<210> 1073
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1073
ctccaacatg cctctct 17

<210> 1074
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1074
tctccaacat gcctctc 17

<210> 1075
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1075
gtctccaaca tgcctct 17

<210> 1076
<211> 17
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1076
agcagtcaca ttgccca 17

<210> 1077
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1077
cagcagtcac attgccc 17

<210> 1078
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1078
agacacatcg gccacac 17

<210> 1079
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1079
cttcaataga cacatcg 17

<210> 1080
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1080
gagatcacag aatcttc 17

<210> 1081
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1081
tttttcatgg accacca 17

<210> 1082
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1082
ctttttcatg gaccacc 17

<210> 1083
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1083
gcttttttcat ggaccac 17

<210> 1084
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1084
tgcttttttca tggacca 17

<210> 1085
<211> 17

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1085
ctgctttttc atggacc 17

<210> 1086
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1086
tctgcttttt catggac 17

<210> 1087
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1087
atctgctttt tcatgga 17

<210> 1088
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1088
catctgcttt ttcatgg 17

<210> 1089
<211> 17
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1089
tcatctgctt tttcatg 17

<210> 1090
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1090
gtcatctgct ttttcat 17

<210> 1091
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1091
agtcatctgc tttttca 17

<210> 1092
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1092
aagtcatctg ctttttc 17

<210> 1093
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1093
caagtcatct gcttttt 17

<210> 1094
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1094
ccaagtcatc tgctttt 17

<210> 1095
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1095
cccaagtcat ctgcttt 17

<210> 1096
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1096
gcccaagtca tctgctt 17

<210> 1097
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1097
tgcccaagtc atctgct 17

<210> 1098
<211> 17

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1098
ttgcccaagt catctgc 17

<210> 1099
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1099
ccacctttgc ccaagtc 17

<210> 1100
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1100
tccacctttg cccaagt 17

<210> 1101
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1101
ttccaccttt gcccaag 17

<210> 1102
<211> 17
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1102
tttccacctt tgcccaa 17

<210> 1103
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1103
atttccacct ttgccca 17

<210> 1104
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1104
catttccacc tttgccc 17

<210> 1105
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1105
tcatttccac ctttgcc 17

<210> 1106
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1106
ttcatttcca cctttgc 17

<210> 1107
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1107
tcttcatttc caccttt 17

<210> 1108
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1108
ctttcttcat ttccacc 17

<210> 1109
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1109
actttcttca tttccac 17

<210> 1110
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1110
tactttcttc atttcca 17

<210> 1111
<211> 17

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1111
aattacacca caagcca 17

<210> 1112
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1112
caattacacc acaagcc 17

<210> 1113
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1113
ccaattacac cacaagc 17

<210> 1114
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1114
cccaattaca ccacaag 17

<210> 1115
<211> 17
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1115
gatcccaatt acaccac 17

<210> 1116
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1116
cgatcccaat tacacca 17

<210> 1117
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1117
gcgatcccaa ttacacc 17

<210> 1118
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1118
ggcgatccca attacac 17

<210> 1119
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1119
gggcgatccc aattaca 17

<210> 1120
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1120
tgggcgatcc caattac 17

<210> 1121
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1121
ttgggcgatc ccaatta 17

<210> 1122
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1122
attgggcgat cccaatt 17

<210> 1123
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1123
tattgggcga tcccaat 17

<210> 1124
<211> 17

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1124
ttattgggcg atcccaa 17

<210> 1125
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1125
tttattgggc gatccca 17

<210> 1126
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1126
gtttattggg cgatccc 17

<210> 1127
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1127
tgtttattgg gcgatcc 17

<210> 1128
<211> 17
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1128
atgtttattg ggcgatc 17

<210> 1129
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1129
aatgtttatt gggcgat 17

<210> 1130
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1130
gaatgtttat tgggcga 17

<210> 1131
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1131
ggaatgttta ttgggcg 17

<210> 1132
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1132
aagggaatgt ttattgg 17

<210> 1133
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1133
caagggaatg tttattg 17

<210> 1134
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1134
ccaagggaat gtttatt 17

<210> 1135
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1135
tccaagggaa tgtttat 17

<210> 1136
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1136
atccaaggga atgttta 17

<210> 1137
<211> 17

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1137
catccaaggg aatgttt 17

<210> 1138
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1138
acatccaagg gaatgtt 17

<210> 1139
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1139
tacatccaag ggaatgt 17

<210> 1140
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1140
ctacatccaa gggaatg 17

<210> 1141
<211> 17
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1141
actacatcca agggaat 17

<210> 1142
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1142
gactacatcc aagggaa 17

<210> 1143
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1143
agactacatc caaggga 17

<210> 1144
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1144
cagactacat ccaaggg 17

<210> 1145
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1145
tcagactaca tccaagg 17

<210> 1146
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1146
ctcagactac atccaag 17

<210> 1147
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1147
cctcagacta catccaa 17

<210> 1148
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1148
gcctcagact acatcca 17

<210> 1149
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1149
ggcctcagac tacatcc 17

<210> 1150
<211> 17

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1150
gggcctcaga ctacatc 17

<210> 1151
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1151
gataacagat gagttaa 17

<210> 1152
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1152
ggataacaga tgagtta 17

<210> 1153
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1153
aggataacag atgagtt 17

<210> 1154
<211> 17
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1154
caggataaca gatgagt 17

<210> 1155
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1155
gcaggataac agatgag 17

<210> 1156
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1156
agcaggataa cagatga 17

<210> 1157
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1157
tagcaggata acagatg 17

<210> 1158
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1158
ctagcaggat aacagat 17

<210> 1159
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1159
gctagcagga taacaga 17

<210> 1160
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1160
agctagcagg ataacag 17

<210> 1161
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1161
cagctagcag gataaca 17

<210> 1162
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1162
acagctagca ggataac 17

<210> 1163
<211> 17

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1163
tacagctagc aggataa 17

<210> 1164
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1164
ctacagctag caggata 17

<210> 1165
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1165
tctacagcta gcaggat 17

<210> 1166
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1166
ttctacagct agcagga 17

<210> 1167
<211> 17
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1167
tttctacagc tagcagg 17

<210> 1168
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1168
atttctacag ctagcag 17

<210> 1169
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1169
catttctaca gctagca 17

<210> 1170
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1170
atacatttct acagcta 17

<210> 1171
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1171
gatacatttc tacagct 17

<210> 1172
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1172
gtgtttaatg tttatca 17

<210> 1173
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1173
agtgtttaat gtttatc 17

<210> 1174
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1174
cagtgtttaa tgtttat 17

<210> 1175
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1175
acagtgttta atgttta 17

<210> 1176
<211> 17

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1176
tacagtgttt aatgttt 17

<210> 1177
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1177
ttacagtgtt taatgtt 17

<210> 1178
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1178
attacagtgt ttaatgt 17

<210> 1179
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1179
gattacagtg tttaatg 17

<210> 1180
<211> 17
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1180
agattacagt gtttaat 17

<210> 1181
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1181
aagattacag tgtttaa 17

<210> 1182
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1182
taagattaca gtgttta 17

<210> 1183
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1183
ttaagattac agtgttt 17

<210> 1184
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1184
atcttccaag tgatcat 17

<210> 1185
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1185
aatcttccaa gtgatca 17

<210> 1186
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1186
aaatcttcca agtgatc 17

<210> 1187
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1187
caaatcttcc aagtgat 17

<210> 1188
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1188
tacaaatctt ccaagtg 17

<210> 1189
<211> 17

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1189
atacaaatct tccaagt 17

<210> 1190
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1190
tatacaaatc ttccaag 17

<210> 1191
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1191
ctatacaaat cttccaa 17

<210> 1192
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1192
actatacaaa tcttcca 17

<210> 1193
<211> 17
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1193
aactatacaa atcttcc 17

<210> 1194
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1194
aaactataca aatcttc 17

<210> 1195
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1195
ataaaactat acaaatc 17

<210> 1196
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1196
gttttataaa actatac 17

<210> 1197
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1197
gagttttata aaactat 17

<210> 1198
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1198
attgaaacag acatttt 17

<210> 1199
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1199
cattgaaaca gacattt 17

<210> 1200
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1200
tcattgaaac agacatt 17

<210> 1201
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1201
gtcattgaaa cagacat 17

<210> 1202
<211> 17

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1202
ggtcattgaa acagaca 17

<210> 1203
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1203
aggtcattga aacagac 17

<210> 1204
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1204
caggtcattg aaacaga 17

<210> 1205
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1205
acaggtcatt gaaacag 17

<210> 1206
<211> 17
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1206
tacaggtcat tgaaaca 17

<210> 1207
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1207
atacaggtca ttgaaac 17

<210> 1208
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1208
aatacaggtc attgaaa 17

<210> 1209
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1209
aaatacaggt cattgaa 17

<210> 1210
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1210
aaaatacagg tcattga 17

<210> 1211
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1211
caaaatacag gtcattg 17

<210> 1212
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1212
gcaaaataca ggtcatt 17

<210> 1213
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1213
ggcaaaatac aggtcat 17

<210> 1214
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1214
tggcaaaata caggtca 17

<210> 1215
<211> 17

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1215
ctggcaaaat acaggtc 17

<210> 1216
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1216
tctggcaaaa tacaggt 17

<210> 1217
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1217
gtctggcaaa atacagg 17

<210> 1218
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1218
agtctggcaa aatacag 17

<210> 1219
<211> 17
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1219
aagtctggca aaataca 17

<210> 1220
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1220
taagtctggc aaaatac 17

<210> 1221
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1221
ttaagtctgg caaaata 17

<210> 1222
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1222
aatacccatc tgtgatt 17

<210> 1223
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1223
taatacccat ctgtgat 17

<210> 1224
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1224
ttaataccca tctgtga 17

<210> 1225
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1225
tttaataccc atctgtg 17

<210> 1226
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1226
gtttaatacc catctgt 17

<210> 1227
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1227
agtttaatac ccatctg 17

<210> 1228
<211> 17

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1228
aagtttaata cccatct 17

<210> 1229
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1229
caagtttaat acccatc 17

<210> 1230
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1230
acaagtttaa tacccat 17

<210> 1231
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1231
gacaagttta ataccca 17

<210> 1232
<211> 17
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1232
tgacaagttt aataccc 17

<210> 1233
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1233
ctgacaagtt taatacc 17

<210> 1234
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1234
tctgacaagt ttaatac 17

<210> 1235
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1235
ttctgacaag tttaata 17

<210> 1236
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1236
attctgacaa gtttaat 17

<210> 1237
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1237
aattctgaca agtttaa 17

<210> 1238
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1238
aaattctgac aagttta 17

<210> 1239
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1239
gaaattctga caagttt 17

<210> 1240
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1240
agaaattctg acaagtt 17

<210> 1241
<211> 17

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1241
aagaaattct gacaagt 17

<210> 1242
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1242
ttcacaggct tgaatga 17

<210> 1243
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1243
attcacaggc ttgaatg 17

<210> 1244
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1244
tattcacagg cttgaat 17

<210> 1245
<211> 17
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1245
ttattcacag gcttgaa 17

<210> 1246
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1246
tttattcaca ggcttga 17

<210> 1247
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1247
ttttattcac aggcttg 17

<210> 1248
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1248
tttttattca caggctt 17

<210> 1249
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1249
gtttttattc acaggct 17

<210> 1250
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1250
ggtttttatt cacaggc 17

<210> 1251
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1251
gggtttttat tcacagg 17

<210> 1252
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1252
agggttttta ttcacag 17

<210> 1253
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1253
cagggttttt attcaca 17

<210> 1254
<211> 17

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1254
acagggtttt tattcac 17

<210> 1255
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1255
tacagggttt ttattca 17

<210> 1256
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1256
atacagggtt tttattc 17

<210> 1257
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1257
catacagggt ttttatt 17

<210> 1258
<211> 17
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1258
ccatacaggg tttttat 17

<210> 1259
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1259
gccatacagg gttttta 17

<210> 1260
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1260
tgccatacag ggttttt 17

<210> 1261
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1261
gtgccataca gggtttt 17

<210> 1262
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1262
agtgccatac agggttt 17

<210> 1263
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1263
ttggattctt ttaatag 17

<210> 1264
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1264
ttttagtttg aatttgg 17

<210> 1265
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1265
ctcgcccact ctggccccaa 20

<210> 1266
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1266
gcctcgccca ctctggcccc 20

<210> 1267
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1267
gcgcctcgcc cactctggcc 20

<210> 1268
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1268
ccgcgcctcg cccactctgg 20

<210> 1269
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1269
ctccgcgcct cgcccactct 20

<210> 1270
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1270
acctccgcgc ctcgcccact 20

<210> 1271
<211> 20
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1271
agacctccgc gcctcgccca 20

<210> 1272
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1272
ccagacctcc gcgcctcgcc 20

<210> 1273
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1273
ggccagacct ccgcgcctcg 20

<210> 1274
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1274
tataggccag acctccgcgc 20

<210> 1275
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1275
tttataggcc agacctccgc 20

<210> 1276
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1276
gactacttta taggccagac 20

<210> 1277
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1277
gcgactactt tataggccag 20

<210> 1278
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1278
ctccgcgact actttatagg 20

<210> 1279
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1279
gtctccgcga ctactttata 20

<210> 1280
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1280
ccgtctccgc gactacttta 20

<210> 1281
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1281
ccccgtctcc gcgactactt 20

<210> 1282
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1282
caccccgtct ccgcgactac 20

<210> 1283
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1283
agcaccccgt ctccgcgact 20

<210> 1284
<211> 20
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1284
ccagcacccc gtctccgcga 20

<210> 1285
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1285
aaccagcacc ccgtctccgc 20

<210> 1286
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1286
caaaccagca ccccgtctcc 20

<210> 1287
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1287
cgcaaaccag caccccgtct 20

<210> 1288
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1288
acgacgcaaa ccagcacccc 20

<210> 1289
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1289
ctacgacgca aaccagcacc 20

<210> 1290
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1290
gactacgacg caaaccagca 20

<210> 1291
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1291
gagactacga cgcaaaccag 20

<210> 1292
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1292
aggagactac gacgcaaacc 20

<210> 1293
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1293
gcaggagact acgacgcaaa 20

<210> 1294
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1294
ctgcaggaga ctacgacgca 20

<210> 1295
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1295
cgctgcagga gactacgacg 20

<210> 1296
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1296
tgcaacggaa accccagacg 20

<210> 1297
<211> 20
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1297
actgcaacgg aaaccccaga 20

<210> 1298
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1298
gaggactgca acggaaaccc 20

<210> 1299
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1299
ccgaggactg caacggaaac 20

<210> 1300
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1300
ttccgaggac tgcaacggaa 20

<210> 1301
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1301
ctggttccga ggactgcaac 20

<210> 1302
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1302
ggtcctggtt ccgaggactg 20

<210> 1303
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1303
ccgaggtcct ggttccgagg 20

<210> 1304
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1304
cgccgaggtc ctggttccga 20

<210> 1305
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1305
cacgccgagg tcctggttcc 20

<210> 1306
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1306
gccacgccga ggtcctggtt 20

<210> 1307
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1307
ctaggccacg ccgaggtcct 20

<210> 1308
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1308
cgctaggcca cgccgaggtc 20

<210> 1309
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1309
ctcgctaggc cacgccgagg 20

<210> 1310
<211> 20
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1310
aactcgctag gccacgccga 20

<210> 1311
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1311
ataactcgct aggccacgcc 20

<210> 1312
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1312
ccataactcg ctaggccacg 20

<210> 1313
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1313
cgccataact cgctaggcca 20

<210> 1314
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1314
tgggccgtcg cccttcagca 20

<210> 1315
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1315
actgggccgt cgcccttcag 20

<210> 1316
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1316
gcactgggcc gtcgcccttc 20

<210> 1317
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1317
ctgcactggg ccgtcgccct 20

<210> 1318
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1318
tgccctgcac tgggccgtcg 20

<210> 1319
<211> 20

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1319
gatgccctgc actgggccgt 20

<210> 1320
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1320
atgatgccct gcactgggcc 20

<210> 1321
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1321
attgatgatg ccctgcactg 20

<210> 1322
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1322
aaattgatga tgccctgcac 20

<210> 1323
<211> 20
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1323
cgaaattgat gatgccctgc 20

<210> 1324
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1324
ctcgaaattg atgatgccct 20

<210> 1325
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1325
tgctcgaaat tgatgatgcc 20

<210> 1326
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1326
tctgctcgaa attgatgatg 20

<210> 1327
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1327
cttctgctcg aaattgatga 20

<210> 1328
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1328
tttaatgctt ccccacacct 20

<210> 1329
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1329
cctttaatgc ttccccacac 20

<210> 1330
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1330
gtcctttaat gcttccccac 20

<210> 1331
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1331
cccttcagca cgcacac 17

<210> 1332
<211> 17

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1332
gcccttcagc acgcaca 17

<210> 1333
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1333
cgcccttcag cacgcac 17

<210> 1334
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1334
caccacaagc caaacga 17

<210> 1335
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1335
acaccacaag ccaaacg 17

<210> 1336
<211> 17
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1336
tacaccacaa gccaaac 17

<210> 1337
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1337
ttacaccaca agccaaa 17

<210> 1338
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1338
attacaccac aagccaa 17

<210> 1339
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1339
aacagatgag ttaaggg 17

<210> 1340
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1340
taacagatga gttaagg 17

<210> 1341
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1341
ataacagatg agttaag 17

<210> 1342
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1342
ggatacattt ctacagc 17

<210> 1343
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1343
aggatacatt tctacag 17

<210> 1344
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1344
caggatacat ttctaca 17

<210> 1345
<211> 17

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1345
ttatcaggat acatttc 17

<210> 1346
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1346
gtttatcagg atacatt 17

<210> 1347
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1347
tgtttatcag gatacat 17

<210> 1348
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1348
atgtttatca ggataca 17

<210> 1349
<211> 17
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1349
aatgtttatc aggatac 17

<210> 1350
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1350
taatgtttat caggata 17

<210> 1351
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1351
ttaatgttta tcaggat 17

<210> 1352
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1352
gtttaatgtt tatcagg 17

<210> 1353
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1353
cttttaagat tacagtg 17

<210> 1354
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1354
cacttttaag attacag 17

<210> 1355
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1355
tcacacaatt acacttt 17

<210> 1356
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1356
gtcacacaat tacactt 17

<210> 1357
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1357
aagtcacaca attacac 17

<210> 1358
<211> 17

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1358
aggtacttta aagcaac 17

<210> 1359
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1359
acaggtactt taaagca 17

<210> 1360
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1360
tacaggtact ttaaagc 17

<210> 1361
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1361
ctacaggtac tttaaag 17

<210> 1362
<211> 17
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1362
cactacaggt actttaa 17

<210> 1363
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1363
tcactacagg tacttta 17

<210> 1364
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1364
ctcactacag gtacttt 17

<210> 1365
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1365
tctcactaca ggtactt 17

<210> 1366
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1366
ttctcactac aggtact 17

<210> 1367
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1367
tttctcacta caggtac 17

<210> 1368
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1368
gtttctcact acaggta 17

<210> 1369
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1369
agtttctcac tacaggt 17

<210> 1370
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1370
cagtttctca ctacagg 17

<210> 1371
<211> 17

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1371
tcagtttctc actacag 17

<210> 1372
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1372
atcagtttct cactaca 17

<210> 1373
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1373
aatcagtttc tcactac 17

<210> 1374
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1374
gatcataaat cagtttc 17

<210> 1375
<211> 17
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1375
tgatcataaa tcagttt 17

<210> 1376
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1376
gtgatcataa atcagtt 17

<210> 1377
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1377
agtgatcata aatcagt 17

<210> 1378
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1378
caagtgatca taaatca 17

<210> 1379
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1379
ccaagtgatc ataaatc 17

<210> 1380
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1380
tccaagtgat cataaat 17

<210> 1381
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1381
cttccaagtg atcataa 17

<210> 1382
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1382
tcttccaagt gatcata 17

<210> 1383
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1383
agacatttta actgagt 17

<210> 1384
<211> 17

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1384
gatttaagtc tggcaaa 17

<210> 1385
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1385
tgatttaagt ctggcaa 17

<210> 1386
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1386
gtgatttaag tctggca 17

<210> 1387
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1387
tgtgatttaa gtctggc 17

<210> 1388
<211> 17
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1388
ctgtgattta agtctgg 17

<210> 1389
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1389
tctgtgattt aagtctg 17

<210> 1390
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1390
atctgtgatt taagtct 17

<210> 1391
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1391
catctgtgat ttaagtc 17

<210> 1392
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1392
ccatctgtga tttaagt 17

<210> 1393
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1393
cccatctgtg atttaag 17

<210> 1394
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1394
acccatctgt gatttaa 17

<210> 1395
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1395
tacccatctg tgattta 17

<210> 1396
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1396
gcttgaatga caaagaa 17

<210> 1397
<211> 17

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1397
ggcttgaatg acaaaga 17

<210> 1398
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1398
cacaggcttg aatgaca 17

<210> 1399
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1399
tcacaggctt gaatgac 17

<210> 1400
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1400
aagtgccata cagggtt 17

<210> 1401
<211> 17
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1401
taagtgccat acagggt 17

<210> 1402
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1402
ataagtgcca tacaggg 17

<210> 1403
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1403
aataagtgcc atacagg 17

<210> 1404
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1404
taataagtgc catacag 17

<210> 1405
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1405
ataataagtg ccataca 17

<210> 1406
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1406
cataataagt gccatac 17

<210> 1407
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1407
tcataataag tgccata 17

<210> 1408
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1408
ctcataataa gtgccat 17

<210> 1409
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1409
cctcataata agtgcca 17

<210> 1410
<211> 17

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1410
gcctcataat aagtgcc 17

<210> 1411
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1411
agcctcataa taagtgc 17

<210> 1412
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1412
tagcctcata ataagtg 17

<210> 1413
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1413
atagcctcat aataagt 17

<210> 1414
<211> 17
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1414
aatagcctca taataag 17

<210> 1415
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1415
cttttaatag cctcata 17

<210> 1416
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1416
tcttttaata gcctcat 17

<210> 1417
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1417
ggattctttt aatagcc 17

<210> 1418
<211> 17
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1418
ttagtttgaa tttggat 17

<210> 1419
<211> 18
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1419
gtcgcccttc agcacgca 18

<210> 1420
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1420
cccacacctt cactgg 16

<210> 1421
<211> 18
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1421
ttccccacac cttcactg 18

<210> 1422
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1422
ccccacacct tcactg 16

<210> 1423
<211> 18

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1423
cttccccaca ccttcact 18

<210> 1424
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1424
tccccacacc ttcact 16

<210> 1425
<211> 18
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1425
gcttccccac accttcac 18

<210> 1426
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1426
ttccccacac cttcac 16

<210> 1427
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1427
cttccccaca ccttca 16

<210> 1428
<211> 19
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1428
aggatacatt tctacagct 19

<210> 1429
<211> 18
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1429
atacatttct acagctag 18

<210> 1430
<211> 18
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1430
gatacatttc tacagcta 18

<210> 1431
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1431
tacatttcta cagcta 16

<210> 1432
<211> 18
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1432
ggatacattt ctacagct 18

<210> 1433
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1433
atacatttct acagct 16

<210> 1434
<211> 18
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1434
aggatacatt tctacagc 18

<210> 1435
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1435
gatacatttc tacagc 16

<210> 1436
<211> 18

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1436
caggatacat ttctacag 18

<210> 1437
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1437
atgtttatca ggatac 16

<210> 1438
<211> 18
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1438
ttaatgttta tcaggata 18

<210> 1439
<211> 18
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1439
tttaatgttt atcaggat 18

<210> 1440
<211> 18
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1440
gtttaatgtt tatcagga 18

<210> 1441
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1441
ttaatgttta tcagga 16

<210> 1442
<211> 18
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1442
tgtttaatgt ttatcagg 18

<210> 1443
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1443
tttaatgttt atcagg 16

<210> 1444
<211> 18
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1444
gtgtttaatg tttatcag 18

<210> 1445
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1445
gtttaatgtt tatcag 16

<210> 1446
<211> 18
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1446
agtgtttaat gtttatca 18

<210> 1447
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1447
tgtttaatgt ttatca 16

<210> 1448
<211> 18
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1448
cagtgtttaa tgtttatc 18

<210> 1449
<211> 16

<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1449
gtgtttaatg tttatc 16

<210> 1450
<211> 18
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1450
acagtgttta atgtttat 18

<210> 1451
<211> 18
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1451
tacagtgttt aatgttta 18

<210> 1452
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1452
cagtgtttaa tgttta 16

<210> 1453
<211> 18
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1453
ttacagtgtt taatgttt 18

<210> 1454
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1454
acagtgttta atgttt 16

<210> 1455
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1455
ggatacattt ctacag 16

<210> 1456
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1456
taatgtttat caggat 16

<210> 1457
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1457
agtgtttaat gtttat 16

<210> 1458
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1458
catttctaca gctagc 16

<210> 1459
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1459
acatttctac agctag 16

<210> 1460
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1460
aatgtttatc aggata 16

<210> 1461
<211> 19
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1461
caggatacat ttctacagc 19