SEQUENCE LISTING

<110> Ionis Pharmaceuticals, Inc.

<120> MODULATORS OF DNM2 EXPRESSION

<130> BIOL0322WO

<150> 62/617,411
<151> 2018-01-15

<160> 3135

<170> PatentIn version 3.5

<210> 1
<211> 120000
<212> DNA
<213> Homo sapiens

<400> 1
gctcacacct gtaatcccag ctactctgga ggctgaggca ggagaatcac ttgaacccag 60

gacgtggagg tggcagtgag ccgagatcgc accactgcac gccaccctga gagacagcga 120

gatttcgtct aaaaaaaaaa aaaaaaaggt tggacgtggt ggtggctcac acctgtaatc 180

ctagcacttt gggaggccaa ggagggcaga tcatgaggtc aggagttcaa gaccagcctg 240

gccaacatgg tgaaacccca tctctactaa atatacaaaa attagctggg tgtggtggca 300

cgtgcctgta atcccagcta ctctggaggc tgaggcagga atatcgcttg aagccaggac 360

ttggaggttg cagtgagcca agatcgcact actgtactcc agcctgggag acagagcaag 420

cctccatctc aaaaaaagaa aagaaaagaa aaaaaaagtc caagcgcggt ggctcacacc 480

tgcaatccca gcactttggg aggccaagga gggagggtca tctgggtcag gagttcgaga 540

ccagcctggc caacatggtg aaaccccatc tctactaaaa atacaaaaat tagccaggta 600

tggtggcagg cgcctgtagt cccagctact tgaaaggctg aggcaggaga atcatttgaa 660

cccgggaggc ggaggttgca gtgagctgag attgcatcac tgcactccag cctgggctac 720

agagcaagac tctgtttcaa aaaaaaaaaa aagtgaaaaa gtaatacatg tatgtaatcc 780

acaattcaaa tcacatcaaa agtgcaacta cttttatcaa tttatgtatt tttccagcaa 840

ttttccgtgt gtacatatgg ttttcatgca tgtcagcatc cttcacacac agttctgtac 900

cttgcttgtt ttttcctctt agtatatctc aaattattta tacttcagta catgaagagt 960

ttcctcaacg tttttgtttg tttgtttatt tgtttttgag acggggtttt gctcttgttg 1020

cccaggctgg agtgcagcgg tgcgatctca gctcaccgca acttctgcgt cccgtgttca 1080

agcgattctc ctgcctcagc ctctcgagta gctgggatta caggcacgca ccaccacgcc 1140

tggctaattt tttgtatttt tagtagaaac gtggtttcac tatgttagcc aagctggttt 1200

cgaacctcta acctcaggtg atctgccctc cttggcctcc caaagtgctg ggattacagg 1260

catgagccac cgcacctggc gctttttgcc tatttctttg agacctgggg ttttgggtca 1320

caaaacaggc aaatgccatg agccaccctc ctcctctttc tccatcttct tgtgctgcct 1380

caggtcagag cacttacctg ctcctgcctt ctcactgggt ttccttgtct ctggcctatt 1440

tgtctccaga ggggtcaaaa cacttcaaat cctcctattt gtctctgtcc actgtcagga 1500

gttccagttc ccagaacccc aattttgcct acaaaatagc gtgtcttttc acggggagag 1560

gatttgttga gttttagtgg gtactcaaaa agatctaaag ccagttgggg gggttcacac 1620

atgtaatccc agcacttttg ggaggccggc ctgtgagggt cgtttgggcg caggagtttg 1680

agaccagcct ggacaacaca gcaagaccct gtctctataa aaaataaaat aaaaataatt 1740

agctgggcat agttgcgcac gtctgtggtt ccagctactc gggacgctga ggcgggagga 1800

tcgtttgagc ccaggtgctt gttgaattga gctatgagtg cactactgca ccccagcctg 1860

ggcaacagag taaggaccca gtttctaaga aaagaagatt cattagctag acgcggtggc 1920

tcacacctgt aattccaaca ctttgggagg ccaagacggg cggatcactt gaggccaggc 1980

gttcgagacc agcctggcca atatggtgaa accccgtcta ctaaaaatac aaaattagct 2040

gggcgtggtg gctcacactt gtaatcccag ctattcggga ggctgaggca ggagaattgg 2100

ttgaaccggg gaggcggagg ttgcagtgag ccaagatcgc gctactgcac tccagcctgg 2160

gtgacagagt gagtaccccg cctcaaaaaa aagaaaagaa aaaagattca tgatctgcta 2220

aagttgaaga agtgggggaa aacattggag tgttagcggc gtcaagatcg ggcgtgagca 2280

gaaagggcac agcatttgca aaggcgtgga ggagtgattt tattgcgttc tatccctagg 2340

aagcaatgac ttggcctcta ccatttgcag agcgcattgg gaccctgctc ccagagctgg 2400

tttgcagtct gggaactgag atgcgctctg ggacttgtag ttttccccag tgccaggaaa 2460

ctcaaaaatc gagacatcgg atcccaccac gaggtgtcgc ccttgagcga gtacggtggg 2520

atctatccta tacttcagaa ggctgttgca gacatccaac aatcacaagg aagaacggga 2580

gtttttctga ttgacagata tggttctcaa tgatagtcaa gattcggatg ttaaagcccg 2640

ccctcttttg cctggttggc tggagcaacg aagtgatatt tatatgaacc aatgggaaat 2700

tcttagggaa cgaggtagta gctcaatccc caacaccatt ggtccacatt gtctactggc 2760

acgtctgcct gccaataaga tggtggaact tcgccaatgg gcagagccaa cgtgcctttt 2820

tcggaaacac ccccttcctc tcttgacaac ttgctttctg ccgctattgg ctgttgcaca 2880

acagtgacgg ttcttttgtc caataagtca gcaagacggt ccccaggggg aaggtttact 2940

caaccatagg cccgtgccta gtttttattg gctagtgtat ccgagtggcg gtgcagcagg 3000

ccagtcgcgt gcggcgcgag tgctttgggc gcagcccccg gggccggggc gggaggtcgc 3060

tcgggtcggg tgtcgcctga gaaccggatg aggcggcgac cgtgaggccg agccgggagc 3120

gggcgtcttg ccgaggcccg ggcgggcggg gagcaacggc tacagacgcc gcggggccag 3180

gtcgttgagg gtcggcggcg ggcgaggagc gcagggcgct cgggccgggg gccgccggcg 3240

ccatgggcaa ccgcgggatg gaagagctga tcccgctggt caacaaactg caggacgcct 3300

tcagctccat cggccagagc tgccacctgg acctgccgca gatcgctgta gtgggcggcc 3360

agagcgccgg caagagctcg gtgctggaga acttcgtggg ccggtgagcg ggcgcggcag 3420

ggatcgcggg cgggtggcgg cctagggcgc ggagggcgga ccgggaatgg cgcgccgtgc 3480

gccgccggcg taactgcggc gcttgcgtgc ccgcggcggg gaaccggacg gggtcgggga 3540

ggcgggccct gtgggacgcc ctgggcagag gactccctgc aggggctccg gagcaggccc 3600

gggccccagg ggcggtgtca cgggccaggg cgccgtagga caggaggtgc gctggaaccc 3660

tgcggtccat ctggtcccag ctttcgtggg tgaagtctgc catctggttg gccgtgggtc 3720

tggggtagat ccctcttctg ctctttcggg ctgtccatca gaggtgaaac cggccatcta 3780

gatatctatt ggggcgaccg ctgcggtctg gctggcttgt tcttgtatct ggagctgccc 3840

ccgccgtctg gttggctgtc tctctgtcct gggcaagcct ccctgccacc accatttggt 3900

tgtccatctg tccagtccca cctggcagcc ccctgctgtc tggctagctg tccagggtga 3960

cctctgctgt ctggccgccc atccgtgccc ctcacagact ttaacactga gcagtccctc 4020

tgttgggtga caccagctgg cctctactgt ctgactggct agctgactcc taggggaccc 4080

tgtttgattc tctctggctg actcttacag cttgattcct ggctagcgct ggctcctctc 4140

ttccgtgtga attcttctgt ctgtctggcc atctcctagt ctgcccatga ctacccctga 4200

gtgtctggca caacggctct ggaaaggggt ggtaggaggg tagaggggag aacagagctg 4260

aaggaggagg tttggaccct acttcccctc tcagctggaa ggaggactct gggggtacct 4320

tacttcagga ttcctttccg agtgctagaa cacaggggcc cgcctcccag ctacagccta 4380

caaattgggg gccctccttt ggagcctggg aaggggcttc ttgcgtgatc aggcctcagt 4440

ggctagcgct gggatgtagc cttctctgga cagccttgag aagccgcggt gtgcccatct 4500

gtccagtggg caaactccac tctctggggc tgtttccagg attcaggaag caaatgaatg 4560

agaacagccc gtgcagccac ctctccctcc caccaacccc tcttgccttt cttgtctccc 4620

agatgggcgg ccacttctcc attccaggaa ctactcattt gtggtggtgt ggctgccaaa 4680

tgataacatc ctcctcctgt cattattgtc attgttattg ttgttatcat tgtcaaggga 4740

taatgtccct tcttgattca acatcttgaa tcccaagtaa ggagtggggt ggaggctgtg 4800

ttatcatccc caccttagct gagctgggag gctcagaagg gactgtgatc acccaaggcc 4860

actaggctgg cgtaaggcct tgtgtctgcc atcccagagc cttggggctt tgctccaagc 4920

agcacaaatc tcctcttttg ctaccttgtc tctagctcat tgccttctgt ctaccgtggt 4980

ggaaaggtgt ggacttgcag ccagctgggc ctggcctgat ctcaggctgg actgtggtgt 5040

gggccccttt gagtgaccat cttcctgcct gcccaggctt ctgggacggg ggtgggggggt 5100

gtttgcaaag ctctgtctct ttcacttgcc ttgtgacctt gcacaggttg tcttggcctc 5160

tctaagtctt ggttgactct cctaaacaag tttattttat tttatttatt tatttatttt 5220

ttttttttttt gagacagagt ctccctctgt catccagtct ggagtgcagt ggagcaatct 5280

tggctcactg caacctctgc ctcccaggtt caggccattc ttctgcctca gcctcccgag 5340

tagctgggat tacaggcgtc taccaccaag cccaactaat ttttgtattt ttagtagaga 5400

cggggtttca ccatgttggc caggctggtc tcaaactact tacctcaagt gatcctcatg 5460

ccttggcctc ccagagtgct gggattacag gtgtgagcca ccaagcctcg ccccaggagt 5520

tccaagacca gcctgggtaa catgacaaga tgccattcta caaaaaataa aaaaattagc 5580

caggtagggt ggtagtccca cacctgtagt cccagcaact caggaggctg gccctgggag 5640

gactgcttga gcccaggatg tccagactgc agtgagccgt gattgcacca ttaccctcca 5700

gcctgggtga cagaaccaga tccggtttca aaaaaagaaa agaaaaagtg cttacttacc 5760

taacgcactg cctggcacat agtaggtcta catggatggg gctattgttg tttatctggc 5820

tggttccttt gctatcaggg acaaaagcta accagaatga aagtgctttc acgttacaca 5880

cttaagcctt atgagggagg cattgctata atccccattt tacagagcag gaaactgagg 5940

ctcagatagc tgagcagaac actctcactg gaggctgtaa agtgaggagt taggtgttct 6000

gggttgggaa cctgggtctc tctcccatcc ttacctctcc tcagtccctc tacccttgc 6060

ctttctctcc tgtctaccat ggtgtctggc agctgccggc cagtatggag ctggttcctg 6120

tggcgacctc ctagaatcct gcaatgcagg agttgctcat tatatatata tttttacacc 6180

gagtctcact ctgttcccca ggctggagtg cagtggtgtt atctcagctt actgcaacct 6240

ccacctccca tgttcaagcg attctcatac ctcagcctcc cgagtagctg ggattacagg 6300

cgcgcgttac cacacccggc taatttttgt atttttagca gagatggggt ttcaccatgt 6360

tggccaggct ggtcttgaac tcctgacctc aggtgatccg cccacctcgg ccacccaaaa 6420

tgctggcatt aaaggtgtga accaccatgg ctggcctcgt taagagtatt aattcagtac 6480

ctgaaagcca aagttgtaaa aaggcctctc tttgggtatg aggggctcaa acaaggctta 6540

ctttttttg ggggggtgta agagataagg tctctctttg ttgccgaggt tggagtggag 6600

gggtgcagtc ctagctcatt gcagcctcga actccagggc tcaagcaatc ctcctgcctc 6660

tgcctctaaa agcactagga ttacaggtgt gagccattgc gccgagcctg gattttctaa 6720

ggatgtggtc cgagtgggaa cagcccagtt agttcagccc tatagctgga agtccagatc 6780

actggctctg ggggccaagg cctgcctgct gggtcttttg ttttacctgc gtagcttttg 6840

tttttaataa gactttccag tgttagattt ccagtcaata tccggatttc ttgtggctct 6900

aagacactca gatctataga gttctgagtt gtcatgcaaa ggctgtgggc ctaaggcctg 6960

gttccaccat gtctggctgt gcgactcggc cacgtggatt tggcgttctg ggcctcagat 7020

tccttttctg taagctgagg gtggtaactg gtaccctggg gcctagatgg gtgattgggt 7080

gatgcgtgcc gagtgcatgt gtcttatacg catggtggct gttgttgtaa tcagtttcac 7140

ctggcgttgc tgagcctttg tcccttgtgg cagtaatggc ttcgatttca gaagcaccag 7200

tcactgtccc atcagactaa gagtggccac tccagctgcc acagtcccca ctactcccta 7260

gcactcaccc aggcctagat cattttgctt ggagcctcct ggccctggaa cctttgagtt 7320

tgagacccct ggcttgtctg cggtgcacca gcagatagaa ctttggccct aaggagaaag 7380

gagggcatca ctccctcttg acccttgtca tttagcctca ggggctggcc agaaggaagg 7440

ccttaggcat tcccgcaccc tagcctcccg agtagctggg actgcaggca cccgccacca 7500

cgcctggcta atttttgtat ttttagtaga gacgaggttt caccatgtta gccaggatgg 7560

tctcaatctt ctgaccttgt gatccgtcca cctcggcctc ccaaagtgct gggattacag 7620

gcgtgagcca ccgcgcctgg cctgagatag ggtcttatac tgtcacccag gctagagtgc 7680

agtggcacca tctctgctca ctgcagcctt gacctcctgg gctcaagcga ttctcctacc 7740

tctcagcctc ctaagtagct gggactacag gcacgtgcca ccacgcttgg ctaatttttc 7800

atttttgta gatacagggc cttgctgtgt tgcccaggct ggtctcgacc tcctcgcctc 7860

aaatgatcct cctgcatcag tctcccaacg tgctggcatt acaggtgtga gccactgcgc 7920

ccagcctcct cttcattaaa atacaagtta taatagcact tctttccctt tctttttttt 7980

ttttgagacg gagtctggct ctgttgccca ggctggagtg cagtggtgcg atctcggctc 8040

actgcaatct cgcctcctga gttcaagtga ttctcctgtc tcagcctccc gagtagctgg 8100

gactacagtt gcgagccacc acacctggct aatttttttt ttttttttt tgagacggag 8160

tttcattctt gttgcccagg ctggagtgca atggcacgat cttggctcac cgcaacctcc 8220

cctcctggtt tcaagccatt ctcctgcctc agcctcctga gtagctggga ttacaggcat 8280

gcaccaccac gcctggctaa ttttgtattt ttagtagagg cggggttttc ccgtgttggt 8340

caggctggtc tcgaactccc gacctcaggt gatctgccgg ccatggcctc ccaaagtgct 8400

gggattacag gcgtgagcca ccgtgcccgg ctaatttttc tatttttaat agagatgggg 8460

tttcgccatg ttggccaggc tggttccaaa ctcctgacct caagtgatct tcctgccttg 8520

gcctcccaag gtgctgggat tgcaggtgta agccaccgcg cccagccccg tcttctttaa 8580

aataggagtt ataatagcac ttctttccct ttcttgaata gggattaagt gagacagttt 8640

ggagtgcttg gcatagaaga agtgcttaaa acattaggtg ttgttcgttc attaaaaaat 8700

gtttcctgag tacttttact gtgtgcctgg ggacatggcc ctgagcaagt taccagaact 8760

tctgctctgg aggagctggc ctttcagcag gaagcaaata aaggagaagc atgggccact 8820

tagtggctca ggcccacaat ctcagctctt tgggatccag gcgggaggat cacttgagcc 8880

cagaagttgg agaccagcct gggcaacata gaccccgtct ctacaaaaaa taaaaacatt 8940

agctgggcat ggtgacacct gtagtcccag ctactcagga ggctgaggcc ggaggatggc 9000

ttgagcctgg gatttcaagg ctgcagtgag ctctgatcac gctactgcct tccagcctgg 9060

gcggaagaac gagacctcgt ctcaaaaaaa aaaaaaaagg cgataagtat gatggaaaaa 9120

aggatcaagg agcaggatga gggagagatc acagttggag ggggtacatt ttattttatt 9180

atattattat tctttgagac ggagtctcac tctgtcttcc aggctggagt gcagtcacgc 9240

gatctcggct cactgcaacc tccgcctccc aggttcacgc cattctcttg cctcagcctc 9300

ccgagtagct gggattacag gcgcctgcca ccaggcccgg ctaatttttt gtatttttag 9360

tagagatgga gtttcaccat gttagccagg atggtctcga tctcctgact tcgtgatccg 9420

cccgcctcgg cctcccaaag tgctgggata acaggcgtga gccactgcgc ctggccagag 9480

ggggtacatt ttaaataggg aaattggtga catttgagca gagccttgaa ggaggcgagg 9540

aaggaacccc tggagacggg aagagaatcc agtgcaaagg tcctgatgtg ggaggatgcc 9600

cggaggccag tttagcaggc cagtggaggg agatcagatc tgggagatat tagggtggga 9660

ccaggcctct aggaacattg tgggcaggga ggctgtctga gcagagggaa gtaaagctgg 9720

tggcgctact gctgtccctc tggacctggc caagctgagg gctctctcct ttgatttcca 9780

gcttcaactc agttttctca gtaagcagac tccacaggca tgtaggcgcc ccgtgccatt 9840

tttcttttaa taagaagcag ctgtgccggg gatgctggcg tttccagctg cgtttttatt 9900

tggcctttgg tgatgtgtcc ctccagggat atgtggatga gccgcggggg cactgcctgt 9960

gcctcagtgg gtgctgcacc agtgcacatc ggatgcccgt tggctcctgt ccctgacaga 10020

tggaggggca cgtgatgtgt tccttgggct ggtttgtccc tttaacagat cttattagtt 10080

tagagccact tggaaatgac atcttctgtt tccagtgact ttccttttgg gcaaagacaa 10140

attgcatctt gaaaaggcca tacatggccg ggcatggtga ctcacacctg taatcccagc 10200

attttgggag gccgaggcag gcagatcaca aggttgggag tttgagacca gcctggccaa 10260

catagtgaat cccgatctct actaaaaata caaaaattag ccaggtgtgg tggcgcatgc 10320

ctttagtccc agctatttgg gaggctgagg caggagaatc acttgaaccc aggaggagga 10380

acttgcagta agcggagatc acgccattgc actccagcct gggggacaga gtgagactcc 10440

atctcaaaaa aaaaaaaaaa aggaaaaaag gaaaggccat gcaaggctcg gttagggtgg 10500

tctgcagtgc tgggcctgct ggaattggta cagtccagag ggatctgtgg gaatatggaa 10560

ggcttggttc tgccacacac caaaaaagtg acctcacttc tctgggcctc agtttcctca 10620

tctggaaaat gggaacatgg tggtctctgc ctactgggag tggactgaga atcacgtagc 10680

aaattgttgt gaaacaggca gcatttgtga tctcgttggt tggcttttgt ctccttttat 10740

ctgggatcag gactctgatg acaggtgtac gtttcttttc tcttgctctg tcccccagac 10800

tggagtacag tggcgtaatc atggctcact gcagcctcca actcctgggt tcaggtggtc 10860

ctctcacctg agtctcctga gtagctggga ctataggcat gagccaccac acctggctaa 10920

ttacaaaaaa attttttttgg cagggagcga tggctcacac ttgtattccc agcacttggg 10980

gaggccgagg cgggcggatc acggggtcaa gagattgaga ccatcctggc caacatggtg 11040

aaaccctgtc tctactaaaa atccaaaaat taggtgggtg tggtggctct cacctgtagt 11100

cccagctgct cgggaggctg aggcaggaga atcgcttgaa cctgggaggc ggaggttgca 11160

gtgagccgag atcgtgccac tgcactccag cctgggcgac agagcgagac tctgcctcaa 11220

aaaaaaaaaa ttttttttttt tttagagaca gggtcttact ttgttgctca gtttggtgtc 11280

aaactcctgg gcccaagcga tcctcctgcc ttggcttccc aaagtggtgg aattacaggt 11340

gtgagccgcc gaacccggcc ttagtttctt tttccttaaa gagaaggaac tcatcattac 11400

tctgttgata taaatggagt gcctatcagt gcaggcaatg ttcttgctct ggggatacag 11460

ccaggaccag gacatgcagg cacgccctgt tccccagatc ctgaaatatc gaccagaagt 11520

tgttcctggt tcctttctaa gtgggaatca tggctgcaaa caagtaattg gccgtgagag 11580

ttatttacac acattttgtg tacggtgatg agaaatggga gaaaaaatgc ccagcatcgg 11640

atcaccagag gtcaggagtt cgagaccagc ctggccaaca tggtgaaccc tcatctctac 11700

taaaaataca aaaattagcc gggcgtggtg gcaggcgcct gtaatcccag ctattcggga 11760

ggctgaggcg gagaatcgct tgaacctggg ggacggaggt tgcggtaagc cgagattgcg 11820

ccgctgcact ccagcctggg caacagagcg agactctgtc tcaaaacaaa caaacaaaca 11880

aaaaccaatg ataggggatt tggccagata agcgtgtcca gacaaccgac tatcaactcg 11940

ctactcagag ggatctagaa gaatctttaa tgacccagaa agctgcacaa gacctgttag 12000

gtaccagatg aaatgggctg tgggatcctg tcttgtttaa aacgattgta tttgctcagt 12060

gaaaagaccg gaaagacata ctctgcccta accccacatg tgaatcgtct ccccatgtga 12120

ttcttggttt gtttttgctg gtttggggat taggtttata atcaggaaga cagatttctc 12180

caaagctgcg ctctaggctg tccaagtgct ttttcagagt tacttattga cggataacag 12240

cccttgatag gttcataaca ttgaaatccc ctggtaataa cctggattgt ttctggatga 12300

gggcggaaga tggccttggg gacagttgta gatttagaga ggaggttttc ttttcttttc 12360

ttttttcttt tttgtttttt tttgagacgg gatctcactc tgttgcctag gctgaaatgc 12420

agtggcgtga tcacagctca cagcaacctc aacttcctgg gctcaaggga tcttcccact 12480

tcagcctccc aattagctgg gaccacaggt gtgcgccacc acccccagct aattttaaga 12540

aatttttgt agaggtgggg tctcattatt ttttgcccag gctagtctca aacccctggg 12600

ctcaagtgat tctcctgcct cggcttccca aagtgctggg attacaggca agagccacgg 12660

cacccggcct aggttagatt tagagttttc agagttggct taggcggtag aggctggcct 12720

ttgaatggaa ccctgtctcg ctgtcgctct cagcgtttat atttggctca gagccacatc 12780

tgccaaactt ctgcccgatt tgaatgaaag tgctgaaatt ataggcccct cggctgctga 12840

aaaaaagtga gaacatcatg taaaccgtaa tttactggga ttgccaacta caagctgtaa 12900

ttaagccctt attgtgttaa agctttggaa aaatccaagc caataatgag atatttatag 12960

ggcattagct acaatctgaa taaagggaaa atgtggccct gcgtctgaag caggactgca 13020

aagagaggaa agacgcctgc ttccgggtgc gttttgggtt tctgtgaata ttggtaacta 13080

ggtccctgct gggtggtggg aaattttccc ctgtggcgtc acccgtagct tgaaccggga 13140

gctggatgac tgtttcagtt tcatctgctg ctggacattt atgatgttaa gagccagtgt 13200

ttatggagaa tcaccgtgtg ccacatgtgc aagatctgac cagtgtcttc tctgcccagg 13260

ggtggcagct gctgctctta gcatccctgc tttataggta gagaaactga ggccagagag 13320

ggagactggc ctgaagtcac acagggagga ggacagagga gttggagctt gaactggatg 13380

tgggccctct agagccacac atatggcggc tttgggtggg aaggtgtggg cctgactctt 13440

gagagcaggg ctgaatggtg ggcaccatgg cgtttgtatc tgaggactgg gccaagatta 13500

cagagggagt gagcaacgcg tggctttgga tatgcatcga ggttgtcagc tctgtgtcca 13560

gcctgcgtgt ggtaagcagc aaccactcta caccagttgc tgggcaccca gcagggactg 13620

ggacagacag gacaggtgaa cagttaaatg agcaagaaca ttctggggca ggcacagggg 13680

ctcacacctg taatcccagc actttgagag gccaaggcgg gcagatcact tgaagccagg 13740

tgttcgagac cagcctggcc agcatggcga gccccatctc taccaaaaat acaaaaatta 13800

gctgagcatg gtggtacttg tctgtcgtcc cagctactta gcaggctaag gtgggaggat 13860

ctcctgagcc caggaattcg aggttgcatt gagctatgat tgcaccactg cgctccagcc 13920

tgggtgacag caagacccgg tctcaaaaaa aaaaaaaggc tgtatgcggt ggttcacgcc 13980

tgtaatccca acactttggg aggctgaggt gggagttcga gaccagcctg gccaacatgg 14040

cgaaacccca tctctactaa aaatataggc aggagaatgg cgtgaacccg ggaggcggag 14100

cttgcagtga gccgagatcg caccactgca ctccagcctg ggcgacagag cgagactccg 14160

tctcaaaaaa aaaaaaaaaa aaaaaaaaaa tataaaaaat tagccaagca tggtggcggg 14220

cacctgtaat cccagctact cgggaggctg aggcaggaga attacttgaa ggttgcagtg 14280

atccgaggtg gaggttgcag taatccgaga tcatgccacg gccctccagc ctgggcaaca 14340

agagcgaaac tctatctcaa aaaaaacaaa aataaaaata ttctgaagag tgagaagcgg 14400

tttgccctgt actgcattgg gtgggggaat ggctgcaggg ggctgcttca catgtggctt 14460

gttgggatgg gtgtcctgca gtggaatagc cccgccagga cttgggggaa cagcatcgca 14520

ggccagggaa acagcaggtg cagaggcctc gcacacaccc ggcccgctga gtgccccctg 14580

cggaccggaa aggaccagta ggcacgtgag agttaggacg ctgcccgtgg aatgccgact 14640

tttctaaatt tgaattacgc aagtagagcg tggagacagt gttcttggaa aaagggaaac 14700

cattacagat gaggaagagc acactgccca gcccgtccct tcctccagct ctacctggga 14760

gcaccactgt cacttcaggg tatgtctagc cagacccctc tggtgtttct gtacttaggt 14820

acatgctggt acctatagag aatacgtggc accattatgg gtggttattt ttttttttt 14880

tggaacaggt ctcactctgt cacccaggct ggagtgcagt ggcacagtca tggctcgctg 14940

cagccttgac atcctgtgct caagccatcc tcctacctca gcctcctgag tacctgggac 15000

aacaaccaca tgccaccacg cccaactaat gtttataatc ttttgtacag atggggtttc 15060

tctatgttgc caaggctggt ctcaaactcc tgggctcatg cgatcctttc acgttggccc 15120

cccaaagtac tgggattgta gacatgagcc acctctccca gccacgtgca tatatttgtt 15180

gaatgaaagt agctaaaggc tggaagtggt gactcacgcc tgtaatccca gcactatggg 15240

aggccgaggc aacatggctt gagctcagga gtttgagacc agcctgggca acatggtgag 15300

acctcgtctc taccaaaaat acaaaaatta gcaggcgtgg tggtgcatgc ctgtactctt 15360

agctacttgg aatcccgagg tgcgaggatc ccttgagcta gggtagcggt ggaacttgca 15420

gtgagcccac actgtgccat tgcactgcag cgtgggtgac agagcgagac cctgtctcaa 15480

aaaaaaaaaa gtagctaaaa accagaatgg agtgaatttc actgcacagt catggagggg 15540

accaggcaga ggacagccct gggtcttggt tttggagact cacagcctgc ctggggatgc 15600

agggaccctg aagcaaggac atcttccttt ggaggaagtg gagatttgct ccatctatat 15660

aaagagtaat aacagtaata ggctgagacc ctgaggctgg gcagcgtggg tgtctatctg 15720

cgttggcttc gagggctgta agatggggct agcagcgtcc cctccagggt gggagtgagg 15780

ccctgtatgg caacctgcgg ggtgccccct ctgacttttg cttcctgcct ggctgctcag 15840

tggccctggc aggggcaggc accactgctc tttctgttac aagagacctc ctttggataa 15900

atctgaacac gctcccatgg cagacctatg gggcggtaga caagaggcca gcagagctgt 15960

cccaggccct ggtgacacct ccatgcccag gtgaaggagg agcaggctac ttggagcctg 16020

ccctgtgaca cactttcgcg gtgatgagag cttctcaggg ctgcgatcct ggcgggccag 16080

tcaagcgggc aggagcagcc ccagccaggg tgaccctgcc tgctgggtga tacgccctgg 16140

cacgaccagg ccagccctgg ggaaagcccc cagggcggat cagggaggga cacagctgtc 16200

ctggccatga gacttctgtc ttttgtatgg atacacaggg tccttctaga gggtcacagc 16260

ctccaccccc gggaggccta ccagctggcc gcgcagccag gatcctgcag ccaccaggac 16320

actgcctttc caggttgttc ttttcttttc cttctttttt ttttttttt tgaggcagag 16380

tctcacagtg tcgcccgggc tggagtgcaa tgcatgatct cagctcactg caacctccac 16440

ctcctgggtt caagtgattc tcctgcctca gcctcctgag tagctgggat tacaggtgtg 16500

caccaccacg cctggctaat tttttgtatt tttagtagag atggggtttt gccatgttgg 16560

ccaggctggt ctcgaactcc tggcctcagg tgatccaccc gcctcggcct cccaaggctc 16620

tgggattaca ggcgtgagcc gccgtgcccg gcccccaggt tgttcttttc tacatcaaca 16680

tcaggggaca gtgactgaga gaggccacga gccactggct cagcttgacg aaggcttcct 16740

gtggtttggg ttgatgtatc tctctgtctt gcaacactga gttccccgtt gtctgggcgg 16800

aagccagtca gacggaagcc cggcttctgt ggtgcctgcc ctggtggcct ggacaggttg 16860

ctgggaagct caggtcaggc tgctttctga ggtggggagg ccccacctgg aatgtgctcc 16920

cagcactggg tgaaaattga tgcacaggct tgatttttt ttttttttt tgagacggag 16980

tttcgctgtt gttgcccagg ctggagtgca atggtgcaat ctcggctcgc tgcaacctcc 17040

gcctcccagg ttcaagcgat tcttctgcct cagcctcccg agtagctgtg attacaggcg 17100

tgcaccatca cacccggcta attttttgta ttttttagtag agactgggtt tcaccatggc 17160

cagactggtc ttgaactcct gacctcaggt tatccgcctg cttcagcctc ccagagtgct 17220

gggattacag gcatgagcca ccgcgccctt aaactctttt ctgttaaagg agttattcaa 17280

ctgtttactc gttgtggaga aaaaaaaaaa aaaaaaaaca ggccgggcgg tggctcatgc 17340

ctgtaatccc agcactttgg gaggccgagg cgggcggatc acgaggtcag gagattgaga 17400

ccatcctgac taacacggtg aaaccccacc tctactaaaa atacaaagaa ttagctgggc 17460

gtggtggcga gcgcctgtag tcccagctac tcgggaggct gaggcaagag aatggtgtga 17520

acccaggagg cggagcttgc agtgagccga gatcgcgcca ctgcactccc gcctgggtga 17580

tagagcgaga ctccgtctca aaaaaaaagg aaaaacaatt caccctgtcc ggaagtgcac 17640

agagtaaggc tgggtgtcct ttgcatggga acgacctcta gcagtctgtg gctcttgcca 17700

gatttttat atatatatat atatttctag gtgtgactac ccccgactca tccaaccagt 17760

gagcctataa gtctagtaac aaacgctccc gctccacagt ccaaagtctc aacagaatgt 17820

gactgtcttg caccaggtcc ctgctatatt tagtgcctcc aagaatgttt ggcttttgtt 17880

ttctgttttt ttttttcttt gagacaaagt ctcgctcttg ttccccaggc tggagtgcaa 17940

tggcgcgatc tcggctcact gcaagctccg cctcccaggt tcaagcgatt ctcctgcctc 18000

agcctcccga gtagctggga ttacagacac ctgtcaccat gcccagctaa tttttgtagt 18060

tttagtagag atggggtttc accatgttgg ccaggctagt cttgaactcc cgacctcagg 18120

tgatccaccc tcctcggcct cccaaagtgc tgggattacc agtgtgagcc accgcgcctg 18180

ggctggtgtg gttttttttt ttttttttgg agacagggtc ccactctttc acccaggttg 18240

gagtgcagtg gcatgatgtc ggcttactgc aacctccccc tctcgggctc aaaccattct 18300

cccaccacag cctcccaact agctgggacc acaggcgcgc accacaatgg ccggcatttt 18360

ttttttattt tcggtagaga cagggtttct ccatgttgcc caggctggtc ttgaactcct 18420

gagctcaggt aatctgcctg cctcagcctc ccaaagtgct gggattgtaa gcatgagcca 18480

caacgccctg cctagaaata attttagatt tagagaaaat aaataagctt caaatttaca 18540

gaaagtacaa agataacaca gagagctcct gtacatcctt caccagtgtc ctctaatttt 18600

atatttctta caaccaagaa attaacctag ctactcagga ggctgaggcg ggaggattgc 18660

ttgagtctag gagttaaagc ccagctttgg caacataacc tcttctctaa aaataaatga 18720

atgaggccgg acatggtggc tcacgcctgt aatcccagca ctttgggagg cagaggcagg 18780

tggatcacct gaggtcagga gttcaagacc agcctggcca acatagcgaa accccatctc 18840

tactaaaaat acaaaaaatt agccaggtgt ggggacatgt gcctgtagtc ccagctattt 18900

gggaggctga ggcaggagaa ttgcttaaac ctgggaagcg gaggctgcag tgagccgaga 18960

tcgcgccact gtacttcagc ctggacaaca aaaggagact ccatctcaaa aaataaaaaa 19020

aaaaaaatga atgaatgaaa ttaaccttgg tatactacta ttaagtgagg cctggcggga 19080

tgttgtggct cacactgtaa tctcagcact ttgggaggcc aaggtgggtg gatcacttga 19140

ggccaggagt ttgagaccag cctagacaac atatcaaaac cctgtctcta caaaaaattg 19200

agtgtggtgg tatacacctg tagtcccagc cactcgggag gctgaggtag gagaattgct 19260

tgaacctgag aggccaaggt tgccatgagc tgagatcaag ccactgcact ccagcttggg 19320

caacagaggg ggactctgtc tcaaaaaaaa aaaaaaaagg aagggaggcc aggtacagtg 19380

gctcacacct gtaatcccag cactttggga ggctagattg cttgagccca ggagttttag 19440

accagcctgg gcaatatagt gagacctcgt gtgtagaaaa aaaaaaaaat tagcttggcc 19500

tggtggtgct cacctggagt cccagctcct ctggaggctg agacaggagg atcacttgag 19560

ccctggaggt tgaggctgca gtgagtgatg attgcaccat tgcacaccag cccgggcaac 19620

agagccagac cctgtctcaa aaaaaaaaaa aaaaaaaaaa agccaaagcc agaatgtaca 19680

gatttcttca atttttccca tatgagacta atttaaaaaa aaatttttt ttttatcga 19740

gatgggggtc ttgctgtctg gaagtataca tactgagaaa ttttattttt caaacaaaat 19800

cacccctttt cctgtcttag gactggacat tgcatctagt tgtcggatct ccttaagcct 19860

ttttctggtc tgggaagcaa ctcagccctt ccttgttttt tataaccttg gtaagtcatg 19920

gaatgtccct caattagggc ttatctggaa ttcttcatgg tgagcctggg gtgtgagttt 19980

tggggaagaa ggccattggt gaggtgcccc tctcttctgt gaatcttttt ttgtttgttt 20040

gtttttgtt tttgtttttt tgagatggag tcttgctctg tcgcccaggc tggagtgcag 20100

cggcgcgatc tcagctcact gcaagctctg cctcctgggt tcacgccatt ctcctgcctc 20160

agcctcccga gtagctggga ttacaggctg ccaccatgcc cggctaattt ttgtattttt 20220

ttttagacgg ggtttcaccg tgttagccag gatggtctcg atctcctgac ctcatgatct 20280

gcccgcctct gcctcccaga gtgctgggat tacaggcgta agccacctcg tccagccatc 20340

ttctgtgaat cttatcagga gtataggata ccaacaagac tgataaatta ttgacagtga 20400

taactgatga tgctgacctt gatctcttgg ctgaggtagg cttgctaggt ttccccactg 20460

gaaagttact agttttcttc ttttcatact ctatcctttg ggatcatgga aaattttatt 20520

tttattttat ttttggagag tctcgctctg tcatctaggc tggagtgcaa tggtgtgata 20580

ttggctcact gcgacctccg cctcccggat tcaagcgatt ctcctgcctc agccgcttga 20640

gcagctgaga ctacaggcgc ccaccaccac gcccggctaa ttttttttt tcaagagatg 20700

gggtctcgct gtgttgctca ggctagtctc aaactcctag actcatgtaa taatcctctt 20760

gcctctggct cccaaagtgc tgggattaca ggcattaacc actgtgcccg gccttttctg 20820

gcactattga aaagaccatc ctttctccct aaagttgctt ttgtctggaa ttagttggcc 20880

atatttgtgt gggtccaacc tgaactgtct gttctgtgac gttgatgtat ggctctgtcc 20940

tttctccaaa accacatatc tttcttctct ttttagatag agatgggggc tgggcacagt 21000

ggctgacgcc tgtaatccta acactttgga ggcaggtgga tcacttgagg tcaggagttt 21060

gaaactggcc tggccaacat ggtgaaactc cgtctctact aaaaatacaa aaaaattagc 21120

tgggcgtggt ggtgggtgcc tgtaatccca gctaattggg agactgaggc aggagaatca 21180

cttgaacacg ggaggtggag gttgcagtga gccaagatcg cgctattgca ctccagcctg 21240

ggcaacagag tgagactctg tctcaaaaaa aaaaaaaaag aaaaaaagaa aaaaatagag 21300

atggggtctc acaatgttgc ctaggctggt ttcaaactac tgggctggtg atgctcctgc 21360

ctcagccttc cacagtgctg gcattatggg cgtgagccac cacgcccact catttctata 21420

ttgctgtagc tttatagtaa gacttgaaat caggccatgt gagtcctctt ttttcttgtt 21480

tctcaaaatt gttttgtcta gtctagttcc tttgcctcca catatatatt ttagaatcag 21540

cttgttgatt tcatagaaaa gatcattgtg tattagtacg tggaaagcca cggtattagt 21600

tttttgtttg tttgtttgtt tgtttagaca aagtctctct ctggcaccca ggctggtgtg 21660

ccaatagtgt tgggattaca ggcgtgaacc actgtgccca gctggtactg gtttttataa 21720

ctgtgtatta ttccatccac tgtcactact tccccaggac cagtacagtt tctgcctcct 21780

cagtcttgca cctttaacct tgtcctcacc cccaggctgt tctccctgca gtggacagag 21840

ggagcctgtt aagaatatcc ttcctagctg ggcgccgtgg cttacgctgt aatcccagca 21900

ctttgggagg ccgaggtgga aggatctctt gagcccagga gtacgagacc agcctgggca 21960

acataacgag acccccatct ctacaaaaca tttaaaaatt agccaggcat ggcagcgcat 22020

acttacagtc ccagctactc aggaggctga ggtgggagga ttgcttgaac ccaggaattt 22080

gaggctgaag tgagctgtga tcctgtcagt gcactccagc cggggagaca gagggagacc 22140

ctatatcctt cctctacttg gaatcctccc tggccctcag ttccctcagg gtaaaaatga 22200

agtcgtccct gaggctccat gatgttctca tgcaggtgag gcgctgtcct acctcatggc 22260

tttttcacat gctgcttcca ctgcctgcac tgcccttccc ccagataacc ctgtggctca 22320

tttcatcagc attctaaggc ctctgcttaa aagcctcctt ctcaaaaggc tctccccctg 22380

gccactctgc tcaaacgccc caccctgttc tctctgtccc cttcccctgc ttaatttttc 22440

ttggaaccac ttgtcattcc tgtcattgtt ccacctatgc gtttggtttc ttgttttctt 22500

tttttggggt ggagtcttgc tctgactccc aggctggagt ggagtggcga tcttggctca 22560

ctgcaacctc tgcttcccgg gttcaagcga ttctcctgcc tcagcctccc aagtagctgg 22620

gattacaggc gcacgtcaac atgcccgtat atttttgtat ttttagtaga gacgaggttt 22680

cactatgttg gccaggctga tctcgaactg ctgacttcag gtgatctgcc agccttggcc 22740

tcccaaagtg ctgtgattac aggcatgagc caccgcaccc ggcctatttg tttgatttct 22800

ctttctgtct ccccccacta gaaggggaat gccccatggt agggcggtgc ccctggctgt 22860

agcgcagtcc cttgcatggt gcctggcatg cgataggtaa tcggggcacc catctccctc 22920

tcgggatgca ctcattgatg tacttgtcaa tcactgagca agacccactc agcaatgtct 22980

gctgagcctg ctctgtgcca ggctctgacc tgaactgcca cccttctgga gtcaaacagg 23040

cctggttgcc accaagagga gttaggcctg gcagaggaga caagcattag tctcacaaca 23100

gaaggaagta ggccggacgt ggtggctcat gcttgtaatc ccagcacttt ggaaggccga 23160

ggtgggcaga tcatctgagg ctgggaggtg gaggttgcag tgagccaaga tcacgccgct 23220

gtactccagc ttgggtgaaa gagcgagact ccatctcaaa aaataaataa ataaataaat 23280

aaataaaaag gaagtggaga ctttcattga gatcagtatc aaagggcacg aggtggcagg 23340

gcatggtggc tcacgcccat agacccagca ctttgggagg ctgaggtggg aggattgctt 23400

gagcccagga gtttgatacc agcctgggca atatagtgag acctcatgtc aacaaaaaca 23460

gacaaaacaa aaaaaacagg ggagggaggg ctacaggagg gtgggatgag gactggccac 23520

agttggaggc caggcccttc ctggggatcc cagcggttgt tactctttaa gaaggacctg 23580

gcctggtgtg gtggctcacg cctgtgatcc cagcactttg ggaggttgag gcgggtggat 23640

cacttgaggt caggagttga agaccatcct ggccaacatg gcaaaacccc atctctatga 23700

aaaatacaaa aaaaagttag ttagctgggc gtggtggtgg gtgcctgtaa tcccagctac 23760

ttgggaggct aaggcaggag aagtgcctga acccaggagg cagaggttgc tgtgagctga 23820

gatcgcaccg ttgcactcca gcctgggcaa caagagcaaa actccatcgc aaaaaaaaaa 23880

aaaaaaggct gggctcagtg actcacgcct gtaatcccag cactttggga ggccgaggtg 23940

ggcggatcac gaggtcagga gattgagacc atcctggcta acacggtgaa accccgtctc 24000

tactaaaaat acaaaagatt agcggggcgt ggtagcgggc gcctgtactg tagtcccagc 24060

tactcaggag gctgaggcag gagaatggct tgaatcctgg aggaggagct tgcagtgagc 24120

cgagatcacg ccactgcact ccagcctggg cgacagagcg agactccgtc tcaaaaataa 24180

ataaataaat aaaagaagga cgtgttccct tgttcttcta tggggacatg gggaactcct 24240

gtactgtttt attttcctga aatattttta ttgaaatata attcacatac cataatacct 24300

aatccttttg aaatatacta ttcagtggat tttagtatat tcacagttgt gtaaccagca 24360

ccactatctg attttgtagc actttcattt cccctaaacc catacatatg aagcagttcc 24420

tccctccccc agcacctgga agccactaat gtcctttctg tctgtgaatt tgccaatttt 24480

ggatatttcc tataaatgga atcttacagt atatggcctt ttgtgtgtgg ctttgtttat 24540

ttagcatcat gttttcaaga ttcatccatg ctggttgggt gcagtggcgc acgcctgtaa 24600

tcccagcatt tgggaggctg aggcgggcag atcacttgag ggcaggaatt gatgagacca 24660

gcctgcccaa catggtgaaa ccccttctct actaaaaata caaaaattag ctgggtgtag 24720

tggcacatgc ctgtaattcc agctactctg ggtggctgag gcacgagaat ctcttgaacc 24780

tgggggggcaa ggttgcagtg agccgagatc actccactgc actctagcct gggcaacaga 24840

gcaagactct ctctctctct caaaaaaaaa aaaaaaaaaa aaaaaaagaa ttcaccaatg 24900

aagccacctg ggcctggact tttctttgtg ggacgttttt tgaatactaa ttaaatttct 24960

tgtacatcta ttgagttttt ctgtgtcttc ttgagtcagt ttcagtaatt tgggtctttc 25020

taggaatttg tccatttcat ctagggtgta tttaatttgt tagaatagta ttcccttatc 25080

atctttttta tttctgaaag gttggtagtg atgtctcctc tttatttctg atttttgtaa 25140

tttgagtctt atctcttttt ctcttggtta atctagctaa aggtttgtca gtttggttga 25200

tctattcaaa gagcaaattg tggtggtgtt aacttctctc tccatttttt tagtctcttt 25260

atttcttctc taattatttc cttcttttct ctttggattt ggtttaccct ccttttctga 25320

ggttcttgaa gtggaagatt attgaaatct gaaagtattt gaaatctttc tctttttttt 25380

gttttttttt tttgagacgg agtctcgctc tgtcgcccag gctggagtgc agtggcacga 25440

tcttggctca ctgcaagctc cgcctcccag gttcacgcca tcctcgtgcc tcagcctcct 25500

gagtagctgg gactacaggc acccaccacc atgcctggct aatttttgta tttttggtgg 25560

agacggggtt tcaccatgtt ggtgaggctg gtctcaaact cctgacctca ggtgatccac 25620

ccacctcggc ctcttaaaag tgtggggatt acaggcgtaa gccaccgcgc ccggccaaaa 25680

tcttccttct ttttaaatac agttgcttac atctatgaat ttccctgtaa acctgcttta 25740

gctgcatcca taagttttga tatgttgtgt tttcattttc atttatctca gcatatcttc 25800

tcatttctct tatgatttct tctttgatac ataggttatt tagcagtatg ttcatttcta 25860

tatatttgag aatttctgaa aaacatcttt cttgtgttca tttctaactt catttcactg 25920

tggttggagg aactactttg tatgatttca atctctttaa aattattgag tcatgtttta 25980

tggcttggcc tcgaatacgg tgtgtcctgg agaatgttcc atatgcacat gataagaatg 26040

tgtattttac tcttgggtgg agtgttctgt acacatctgt caggtcttat tggtttcgta 26100

ttttctattt ccttgttatc ttttatttgg ttgttccatc cattattatt atttttcttg 26160

cctgatacca atgctgatat ccatccatga ttgaaagtgg ggtattgaag tctccaactt 26220

tctttctttc ttttttcttt tctttttgga gacacggtct tgctctgtct cccaggctgg 26280

aaacgtggtg gcatgatcat agctcactgt agcttctgtc tcctgggctc acatgatcct 26340

cccacctctg cctcccgagt agctgggacc acaggcgtgt gccacacccg actaattttt 26400

gtatttttttc tagaggtagg gtcttgctat attgaccagg ctggccttga actcttgggc 26460

tcaagtgatc ctctcatctt ggcctcccaa agtgctgaga ttacaggcat gagccactgt 26520

gctcagcccc aaattggcca atatttcttt ctttttttt ttttttgag acagagtctt 26580

gctctgtcgc ccaggctgga gtgcagtggc gcgatcttgg ctcactgcaa gctccgcctc 26640

ccgggttcac gccattctcc tgcctcagcc tcccaagtag ctgggagtac aggtgtccgc 26700

caccatgccc ggctaatttt ttttgtattt ttagtagaga cggggtttca ccgtgttagc 26760

caggatggtc tctatctcct gaccttgtga tccacccgcc tctgcctccc aaagtgctgg 26820

gattacaggc gtgagccacc acgcctggcc aatatttctt ttgttctgtg ctttttcctt 26880

cctccctccc ttcctcttta ccttcctctt taccttcctc tttccctccc tcccttcttt 26940

ccttccttcc ttccttttg ttcttgttct tttctttttc ctctaccctt ctttcttttc 27000

cttctttctt tttttctttc tttgtttttg cttgattgca gcatcatgag agagtcctgt 27060

gctttttat agctgcaagt attcctgggt cgagcctact cccactaaca ctgatcactc 27120

tccccttga atttttaggt tatttctagt ttttcccctc ctgccagaga cttgggggtc 27180

cgcaggcttg tgtgtctgct atgctcaggg tggataccct gcaagggagt gccatgttgc 27240

atcagaagtg gatttagagt gatgttgcca ggcccaccag gaaaggctgt gccaaggctc 27300

tttgctgggg tgccaagaag aagggtctgt gcctgttgtg gtgccaggca ttgacatcct 27360

tcactcccac ccccgtcacc ctcatgaact agtgaactag tcctgtggaa tagggcctta 27420

tgcgtgctag accctgggtt tgtcctgctg acaaccccat agtgtaggtg ctgttatccc 27480

aatttcatag agaaactgag ggctggggaa gtggcagcct tcattcagtt cctgccgtga 27540

ggctgtggct gagctgccag gctgcagagt cttcacccaa tgatcttgct cagttgtccc 27600

catgaggaag ctgagcctgg ccttcctgtc tctggagtcc aaggtttcct ttccttgtgt 27660

gcccctggaa gtgctgtgtg gtgaccggga tggtgcctgg cagatggaga ttagacgcag 27720

gttggattgg tgcctcattg gtcaggaggg ctgctcttag ctgtgtgcca atagaccgga 27780

tgacttaatc tctctatcct tggtttcccc atctgcaaaa cagggttggc cagagccctg 27840

tgaaggtgga agaaggccct gtgtgcctgg agctttgtgc agtgccctgg agatgctagc 27900

ttgtttttct ttctttttttt ttttttttttt tgagacagag tctccctctg tcatgcaggt 27960

tgtggtgcag tggctcagtc tccgctgact gcagcctcaa cctcctgggc tcaagtgatc 28020

ctcccacctc agcctctcaa gtagctggga ccacaggcgt gtgccaccac gcccggctaa 28080

ttttttgtag aggcgaggtt tcatcatgtt gcccaggctg gtcttgaact cctgagctca 28140

ggtgttccgc ctgccatggc ctcccaaaat actaggatta caggtgtgag ccaccacgcc 28200

cggccgtgat gccagcttct tttgccgtgc agctagcatt tgctgaacac ctgctgtgtg 28260

ccagatagtg tgctggaggc agggcagtga acaagacaga cgagatccct gtcctgtgga 28320

gctgatgctc tagctggggg cctgaggggt gggaaggaag cacaggtgct cgggtgagaa 28380

aaaacatcat gcggccaggc atggtggctc acacctgtaa tcccagatct ttgggaggct 28440

gaggcaggcg gatcatctga ggtcatgagt tcgagaccag ccttgcaaaa ccccgtctct 28500

actaaaaata caaaaattag ccaggtgtgg ctgggtgtgg tggctcacac ctgtaatccc 28560

agcactttgg gaggcggagg caggtggatc acaaggtcag gagatcgaga ccatcctggc 28620

taatatggta aaactccgtc tctactaaaa atacaaaaaa ttagccgggt gtggtggcgg 28680

gtgcttgtag tcccagctac tcaggaggct gaggcaggag gatggcatga acccgggagg 28740

cggagcttgc agtgagccga gattgcgcca ctgcactcca gcctgggtga caaagcgaga 28800

ctctgtctca aaaaaaaaaa aaaaaaaaaa aaaaaaatta gccgtgtgtg gtggcgtgcg 28860

cctgtagtcc cagctacttg ggaggctgag gcagcagaat tgcttgaact cgggaggcaa 28920

ggttgcagtg agccaagatc acgccattgc actccagcca gggcagcaga gcgagactgt 28980

ttccagaaaa aaaaaaaaaa tacaaaaatt agccagacgt ggtagcatac gcccgtagtc 29040

ccagctgctt aggaggctga ggcaggaaaa tcacttgagc ccaggaggcg gaggttgcaa 29100

tgagccaaga tcctgccact acacttcggc tggggtgaca gagccagact ccatctaaaa 29160

aaaaaaaaaa ttctttaaaa atcaggcaca cagtgtgatc tgacttgcag ttttccaagc 29220

ctgtggggca gggagcctgg gggaggcttt gccctgagat gggagacttg gcctcaggac 29280

attagagcga aacagaggag gaggggatgg gtctggatat ccaaggcagg atctgccgag 29340

agatacgctg tgggggtggg acaaagacct caagaacggg tccgggctgt tcctgtcact 29400

tgtgacattg tggactgagt ctgcctggat atttccttat gggctggctc cccatcaccc 29460

cgggagagtc tcggggtgga gggaactaga acgtgtttgc ctggaggtca ctacctactc 29520

ccctggaagg aaggggctcc aggaggctgg ctgtggaatg cagactgtgg gtggtgcccg 29580

gctgcctgcc tctagttcac ttgggccctc agggtggtac agagctggaa atccatacat 29640

ggctgaccac cctgtaaggg ctgcagacac agtgagcgtt cactttgccc tggcaactgg 29700

aactgtctcc tccagtcctc accacaaccg ttttacagag caggacacct gttgcaagat 29760

gggagagact ttgctaacaa ggtcccacag ctggcactca ccaggctggc tggggtactc 29820

aggccacccc ttgcagtggg gagcagttag gatgacaccg aggacacccc taggagggcg 29880

gagttgtgag ctccaggacc ccacatttga gcagtttccc cgtcactctt gaaaatgctg 29940

ctgggccggc cagtttcttt ggggtttctc agtactgctg aaagttacaa ggtcaacact 30000

ggcctgcaat cacagttata aaaaagttat aaaagcctga cattcaaatc acgttggaga 30060

ctataaaaca gcaagttttt catttgcaca cctcacatga cctcaagcct gctgtccata 30120

cacaggaaat ggggatgtgc ggaaaaaaaa cccgaagtgg aggacatcat cccccacgca 30180

taatccagtc cgtgcatcgc acttgacctt cggcactgca gcctgcattg ctccccggac 30240

tagctcccaa gattgattta gccagttccc tgccagtgga catttaggtc attatcggtt 30300

ttcattccac aaagtactgc cctcagggag tcggctgtcc ttgccaaacc actgcattaa 30360

tatgtttctg ggtgctgggg aaagggcgct taagacccct gccctcaagg tgttgatatt 30420

ctagttggga ctgttagata aatgagcaat taggctgggc acgcttgaaa tcccagggct 30480

ttgggaggct gaggtgggag gatcgcctag gcagcatatc actacagaaa aacacaaata 30540

aaaaaagtta gctgggcgtg gtggcaagtg cctgtagtcc gagctactca ggaggctgag 30600

ggaggaggat cgcttcagcc caggagtttg aggctgcagt cagctatgat tgcatcactg 30660

cactccagcc tggatgacag agtgagatcc tgtctctgaa aaaagaggtg caaataaacc 30720

agaaaagtac caactagtgg gcagtgctgt gtttagaagg aaaacagggc aacatgaagg 30780

ggaggtgggc atcagtaggg gacagacctc tctgaggagg tgacatctga gttgagtccc 30840

tggtaaccgg agatagccag gattgtggaa atacttggag gagatgagat ggtctttcga 30900

agcaggaggc cagcatgtgc aaaggccctg cgacagcaat gtctggcctc cttgctgttt 30960

ctttttattt catttttga gacggagtct cactctgacc tatgctggag tgcagtggca 31020

tgatcttggc tcactgcaac ctctgcctcc caggttcaag cgattctcgt gcctcagcct 31080

cctgagcagc taggagtaca ggcacacgcc accacacccc actaattttt ctgtattttt 31140

agtagagaca aggtttcacc atgttggcca ggctgctctc gaactctgga cctcaggtga 31200

tccacccacc tcggccttcc aaagtgctgg cattacaggt gtgagctacc acgcccggcc 31260

tttttgctgt ttcttgacca ccaatgtggc tggaggcagg gagtgagggg gtggtggggg 31320

aggagggcac ggaggtgaca gggccatggg gggcacttgg gaactgtcaa accgtcaaat 31380

gttatgagca gaggagggtc atgttcttac attgtatcga gttttccttt ttgttttttt 31440

gagatggagt ttcactctta ttgcccaggc aggagtgtaa tggtgtgatc ttggctgact 31500

gtaacctctg cctcccaggt tcaagcgatt ctcccacctc agcctcccga gtagctgaga 31560

ttacaggcat gcaccacacc tggctaattt tgtatttta gtagagacgg ggtttctccc 31620

tgttggtcag gctggtctcg aactcccaac ctcaggtgat ctacctgcct cggtctccca 31680

aagtgccggg attacaggtg tgagcaaccg tgccggcttt ttttttgttt tttgtttttt 31740

tttttttga gacagtctca ctctgttgcc caggctggag tgcaatggca tgatctcaca 31800

atctcagctc actgtgacct ctgcctcctg ggttcaagcg gttttcctgc ctcagcctct 31860

cgagtagctg ggattacagg tgcccaccac cacgcctggc taatttttgt atttttagta 31920

gagacggagt ttctccatgt tggccaagct ggtctcaaac tcctgacctc gggtgatctg 31980

cccgcctcgg ccccgcaaag tgctgagatt acaggcatga gccaccgcac tcaaccaatt 32040

ttttttttt ttttagtagt agagacaggg tctcatcatg ttgcccaggc tggtttcaaa 32100

ctcctgggct caagagattg cgtgccaagg tgctgggatt ataggcacga accactgtgc 32160

tcagcctgag ttttactttg attcgatggg gcgaatgttc tcttttgggt atcatggtaa 32220

gagtttcaca aacccttcca cctcctctct gaggcaggtg gcatcattcc cacataacag 32280

attgggaaac tgaggcacaa agaggttacc tgacctgccc atcttgtcca gaaaggaaat 32340

actggattcc agccagggcc tggagagtcc cagagccacg atcacgaatt gccacaggtc 32400

acctcctgct tttgctccca gcctgttgtg tcccttggat gagaccaggg agcaggtgat 32460

gccacggctt gagtgccaag ggcgggcctc gagccgggag ctgcaggatt cctgatcagg 32520

gaggggctgc tgggctggga atgttgggga ggagtgaggc caggagtgga ttgtggaagt 32580

gagaagtctc ctcatctgta aaatggcaga tttggcccat tgttctgcaa gcattggtca 32640

tctgcctcct gcctgggtgt gtgttgggta ctggggagag agcagagaag gggccgatac 32700

gggaccctgc gcccatgagg ctgccactct aataggatgt tgaggtgggg gcagggacag 32760

actgcagctg ggtgaacaca tcaggaaccc ggaagatgcc agttgtgagt ggcactgagc 32820

attgagcggg ttgatgtgtg aaagaagggg agcagcttcc tatggcgggg ggagggaggg 32880

tgcagtttgc tgggagctgc ccgcctgctc tgttaatgct gcaggaagaa ggttccaggc 32940

tgagggaaca gcctgggcaa aggccctggg gcaggacagt gtctggtgtg tttcgggaac 33000

atggaggagg catatgtggc tggagtaaag ccagcaagac agagagtagg gggaggtgag 33060

gacaggaagg tgacaggaca ggtcgtgcag ggcttggggg gctgcaggga aaagtctggc 33120

ttttattcca agtgaagcgg gagcccaagg agggcccata acaaaggggt ttacagtgac 33180

atggtgtgca caggcacctt gtggctgctt tgtgggaggc agattgtggg gaccaagggc 33240

acgactgcac tggtgtaggc aggtgacagt gggacacgct gacagccttg gacgtggagg 33300

gaattgagca gaatcaggcc tgatgtggag gtgaaaccag caggactcgc ggctggacaa 33360

ggcgggtggg tgagggccag gggagcccca ggtctgcagc ctcgtgaggg gtttctcccc 33420

tccctgccct ttggggtgac cacagggatg cagtggcacc tacctgcgga cactgtgtgg 33480

gccgagcact gtaaggcttg ggcgtccttg ctgggtgacc aatggctatt gttggaagga 33540

tgaggcaggg accgaggtgg gcagaggaga ctgggcatgg gtccccactt ctgctccaac 33600

agagcgacag agaagcccct gaggtgggtg cgggtgactg cgggtctgcc tcattggtgt 33660

cccacccaca ttcgtgtcct ggctctgctc ctccctcgct gagcgtcctg ggcaagtcct 33720

gagactgaac ctcagtccac ctgtctgaaa tgggactttt ggccctggca tccttgtgac 33780

tttcaacccc tctggggttg tcagaggatt tgccgctatg ttgcccgaga tggggttaga 33840

gacagcctgt tgggtggcca gcgttccttg tgtggctctt atcagagtcc tgagagaaga 33900

ggccagggtg gaaattggcc ctggagtgtg ggctcctgcc gaagcctctt cctgtggcca 33960

gtgccatgct gaaggctggc tgtggtgtca cgtgagccct cccagccaca ttcaggctca 34020

aagagactgt gctgagcata tggtgacaag gaagggatcc cagcccaggg tcctggccag 34080

gccctgccag caccaggctg cacaggtgag gggtggcttg ccctggggtg ctggctctgg 34140

gccacactgc tgactcaccc tctgtgggct tatctgttga ttctccctcc catgggaagg 34200

ctctgggttt gagcctgcat cgttcctgca cgtagccgtc cccaccctca taggggctgg 34260

aagtcaaaag gcgcctggtg gagccttgtg gtctgttcaa aaaacggtaa ataaacagcc 34320

tgggcttctg atctgctgga ctcaacctgg cacctctccc atcgctgctg ggtgctgcct 34380

cccagctgca cccttccctg cctgtcccct accgccttcc tggagcgctt atccccttcc 34440

agggagaggt ggcccacttt agagctctga aacctgctct ggtggggtga agtgacttga 34500

gccaggccaa gccggtggct gggccctctg tggcagactg gaagtgtcct cccatttcat 34560

ggatggccaa gtcagtgccc agagaggggt agagacctgt ccagggccac acagcccagg 34620

aggggcggag ctcgactttg aacccaggct gcctggctcc acagtctgga ttcttcttac 34680

ccattcaaca aatacttaat gagcacacac tgtctggcag gcactgttct aggtgctgag 34740

gatctagcag tgaccaggcc aggtgcagaa gtcttggcgt gtcacaggac tagaccttca 34800

tcagaggccg ttttgctggg agtgggaagg ggtgtgtatt tgggagggag gggcgcaagc 34860

catcacacct gcccatggcc aggtaggcag ggcctatggg agggtttcct ggcagaggga 34920

acacccccctg caaaggcctg aaggccagca gtgccagaga gaactcagag gaggcaggtg 34980

caggggggtgg ggctggggaa cccggtcagc actgggacta ggactggaca ggacgggcta 35040

ggaccagtca cttggtttct gcaagagaga agcttggagg caggatcttc attttagaaa 35100

ggtcactggg gaaggtggga ggttgggcca ggaccctggg gcctggcctg ggcccatgga 35160

taggaggcca ggtactgaaa tgatgcaata gtactaggct aggtgcagtg gctcacacct 35220

gtaatcccgg tgctttggga ggccgatgcg ggaagattgc atgaggccag aagtttgaga 35280

ccagcctggg caacatagcg agaccctgtc tctgcaaaaa ataaaaaaat tagccgggca 35340

tggtggtgtg tgcctgcagt cccagttact tgggaggctg aggtgggaag ttcactaggg 35400

tccgggagtt caaggctgca gtgaggtatg attgtgccac tgcactccag actgggcaat 35460

ataggaagat gccatctcta aaaaaaaaaa attagccaag catggtgaca tatacctgta 35520

gtcatagcta ctcaggaggc cgagactgag gtttgcctgt accctggagt ttgaggctgc 35580

agtaagctgt gattgtgctg ctgatgcagc ctgggcacag agtgagatcc tgcctctaaa 35640

ataaataagg ccgggcgcgg tggctcatgc ctgtaatccc agcactttgg gctgctgagg 35700

caggtggatc acctgaggcc aggagttcga gaccagcctg gccaaaatgg caaaacccca 35760

tctctactaa aaatacaaag aaattagccg ggtgtggtgc tgggcgcctg taatcccagc 35820

tacttggggg gctgaggcag gagtaagctg agattgcgcc actacactcc agcctgggtg 35880

acaaagcaag actccatctc aaaaaaaaaa aaagttaata aactacttaa ttgtgcatct 35940

cctgtgtgcc agccctactc tatgctttgg ggatggaatg ttggaggatc ccaccttggg 36000

gagctgtgtg tgagctcccc acacagctca gatgggggta tggggtctgt atgtgagcca 36060

gaacaaaatg cagctaagtg acatttagca tgtgttagtt ccacagagaa aaatgaggca 36120

tgggggggtgg aggtgggaga ggtgtgaatg ggggtgagag aagtctctga ggaaatgtca 36180

ttcgagcgga atcactctga gcttggcaag gttaccctgt cttactgacg ggaaacctag 36240

accagagagg ccaggaagcc cgcccaggat cacacagcac agaggtggcc aagcagggac 36300

tggaatgcag ggcagcctgg gtgcacagag ggcactgtag cagcagcaaa gggagaggag 36360

aggagtaggt agatttcagt actctcagaa tgcggatggg atcaacgagg aggaagtaga 36420

tgacggaggc tggaaagtca cttcctgcta agtggccagt gtcagtgttc caggcagagc 36480

tgcttgggag gtggtttctg gaaggctcca agtactcctg ctgctgtgtc ccagaaaacc 36540

cttagggcca ggcccctgct caccaagctc ctaggagact tctgggggggc tcatttcgga 36600

ggcagtccag gccgagggtg aatgttggtg ccctttgcat gcagcagtct gggaactttt 36660

agaagcaaaa tcggataagt cccagggctc ctggcgctct cagcctggca tgcgaggccc 36720

tctgcgcctg ccctgccctg tcctcaaact ctcccctgag agctgcgtct ccgtcgccca 36780

ggctgtgccc tcctgtgccc gacttagaac tgttcggaat aacactcaaa attttaagga 36840

aattaaacac tcgaacaaag gatttttagc aaagcaattt tacttctgta cagaggggtg 36900

cttgtccttg gccagtcgcc atgagagcac acctgaacaa agggacacga gagcctttat 36960

tcctgatgca agtcctgctc ctgtaccctc tccccattgg ccggggtcgg gtcatacaat 37020

ctaaaccaat tttggttggc taaacatttg aatttttgta gataaggtgg gcacgtaaaa 37080

gagagaggaa aggggaaggg atgtctgtag tgaactagaa agttagtctt ctttgtaaat 37140

aagggaagga atgtgagctg gtactggtaa cgcctggtac tgtggcgtgc ctgggcatct 37200

aacaaagcca gaaaggaaaa aggaaaaaag agtgtgtatg tgtgtgtggg gtactatgaa 37260

ttaaaagatt gatcagcctg tttgaagaga aacctcatca tattccacac tacaaatacc 37320

ccaggcccag aaagtcacct tctcctgcct gtgcccacag ctctgtgttc tcttgggcgt 37380

cactcccgcc ctatgttctg aagctgtgat tgtccgttgt ctgagctggg cgctggtggc 37440

gtctggggca tcaccattgt cctcacagtg cctggcgcct cagacacaaa gtggagtcac 37500

aggacagcac aggccacagg caaacaccag aggtccaaag ccgggccctg gctgggagtt 37560

actggagggt ctgcctaaga tgtgtttgct cagaaggcca ggtgccctgg tggttagaca 37620

gctcaggccc tgtgccttca gtccatgttc atgccacccc cagatgctgt gtgaccctgg 37680

gcaggccccc accctctggg cctcatttgc atctgtaaaa tggagccagc agacccattt 37740

taatggatcc tgtcatggtt aaatgggtta ataggcaggt gcagtggggt cattgcaggg 37800

agttcaagac cagcctggac accatagtga gaccttgcct ctacaagaaa cttaaggtgg 37860

cctggtgtgg tggctcacgc ctgtaatccc agcactttgg actccattgc actccagcct 37920

gggtgacaca gtgagactct gtctgttaaa gaaacaaaca aacaaaaaaa ccaaaaaact 37980

taaggtggtg gtgggtacct gtgatcccag ctacttggga ggctgagacg ggaggatcac 38040

ttgagcccta cagttggagg ttgtagtgag ctgtgacctt accactgcac tccagccagg 38100

gcagcagagt gagaccctgt ctctatttaa aaagaaatca aaaaggttaa taatcatgaa 38160

aagttctcaa tgccttgctt ggcatagagt cagtgttgaa tagctattag ctactctaat 38220

gttttgaact cagtaatgcg tgtgtatgat gcggaattca aagatgtcgg aaaacatgca 38280

gtggctcctt ccccaccagg ccccagccgc cccgggtcct gttttgtttc cctttggttg 38340

tcttagtcac aaagtacaga ctttcttctg tacctttcc ttccccttcc cccctccccc 38400

ttcccttccc ccccccactt ccctttcccc ttccccccttc cctttccctt ttccttctct 38460

tcttcctttc cttttctttc ttcagtaaaa ctgatcacta caaacctttt ctttttttct 38520

cacttagtac accaaaaagg gagttacatg tctagaaagg acaggctctt tttgtgtgtc 38580

tgttgctgca tagcagcatg gataggccat aatttatata taaatacacg tattttattc 38640

tattttaaag gtttttgttt tgtttttttc ccccgagacg gagtttcgct ctttgttgtg 38700

caagctggtg caatggcgcg atctcagctc attccaacct ctgcctcctg ggttcaagcg 38760

attctcctgt ctcagcctcc tgagtagctg gcattaaagg cacccaccac cacgcctggc 38820

taatttttgt aattttagta gagatggggt tgcaccatgt tggccaagca ggtctcgaac 38880

tcctgacctc aaacgatcca cccacctcgg cctctgaaag tgtttggatt acaggcgtga 38940

gccattatgc ccagcaatat atcttatata taaggtgatt gaaaatatat gttttcaaaa 39000

agaaaacata ttttcagtca gcttccttag gttgaacgta atttatattt aactagtccc 39060

ctgttgctgg gctttaaaat tctttgagat ctgaattttt cgtcttattg agaaactaac 39120

agggttgtaa caattctgtg ggcaaatttt aatggaatgt ccaccctgta cttttgtatc 39180

tgaatcttca cgaacatgtt ctccttgact tgtgaccttt tcctgagatt tcagttagat 39240

atagttaatc gcttaagtct ttttttttttt ttttgagacg gagtctcact ctgttgccag 39300

gctggagtgc agtggcgcta tctcagctca ctgcagcctc cgcctcccag gttcaagcga 39360

ttctgcctca gcctcctgag tagctgggac tacaggcacc ctccacctcg cctggctaat 39420

tttttgtatt ttagtagaga cggggtttta ccgtgttggc caggatggtc ttgatctgct 39480

gacctcataa tctgcccgcc tcagcctccc aaagtgctgg gattataggc gtgacccact 39540

acaactggcc aatcgcataa atcttaaaca tataccttga ttttcttgtc ttcttcttct 39600

tctttttttgg agacagtctc cctctgttgc ccaggctgga gtgcaacggc gcaatcatgg 39660

ctcactgcag cctcagtctc ctgggctcaa gtaatcctcc tgccacagcc tcccgagtag 39720

ctgacactac aggggaatgc caccatccgc agtgaattac tttttacttt ttgtagagac 39780

aggggctcgt tatgttgccc aggctggtct cgaactcctg acttcaagtg atccacccac 39840

cttggcctcc caaagtgctg ggattacagg tgtgagccac tgctgcaagt tttgattttc 39900

taataaatga ttgtaccttg gtacctactg gctagatcaa gatgcaggac ttcttcatgg 39960

tctcagaaag tccctcctgc cccttctagt ccatttcccg aaagggaacc actgccctga 40020

tttctatctc cagagactag ctttgccggt tcaagttcaa gtccaccctg tgactcagca 40080

agagaaacaa ggacatgtgt ctacaaaaag cgcatatgag aatgttcaga acagctttat 40140

ttgtaataaa ttcaagctag gaagacccca aatgtccatc caatggtgac tagacgaaca 40200

gactgtagtc catcagtgca atggacagat tcgaccacga aaaggaatga acgtcagaca 40260

cacgaagcag acaggatgtc tgtgattgca tcacatgctg ctcctgtgtt gttttatcgt 40320

tgacatcttc cacttgcaca cttcaaaaat agtcattgaa aggatggagc aggggcactg 40380

ttgtgagggg cacgtgctgt caccgccgct gctggtgatt cagtgtctag ccagcgccgc 40440

atggtttctg agatgctgca tttgtctttt ttttttttt gagacagagt cgttctgtca 40500

cccaggctgg agtgcagtgg cgcgatctca gctcactgca acctctgcct tccaagttca 40560

agcggttctc ctgcctcagc ctcccaagtg gttgcgatta caggtgtcca ccaccacacc 40620

cggccagggt ttttttttgt ctttttttt ttgtattttg tattgttttt gtttttgttt 40680

tgagatggag tctcactctg tcacccaggc tggagtgcag tgatgcgatc tcggctcact 40740

acaatctccg cctcccgggt tcaagccatt ctcgtgtctt agcctcccga gtggctggga 40800

ttacatgctt gcgcccccac acccggttaa tttttgtatc ttaagtaaag gcggggtttc 40860

accatgttgg ccaggctggt ctcaaactcc tgacctcagg tgacccaccc accttggctt 40920

cccaaagtgc tgggattata ggcgtgagcc actgtgcctg acctgagaca ctgcgtctct 40980

gatgtgcaag atgccaagtg tccctgcccc tcaggtccct acctgtgagc taggtggcct 41040

ggggctctgg tagggccagg gccaaggcta cttgtggcgt tcatgaggtt aataccctgg 41100

gacagcctgg tgtccactgt gactactgtg acggaaagac aaggggccat gctaagaggt 41160

gactttgggg tctgtcacct gcatgggggc gcccgctcgc tgtttccctc gttcagttca 41220

ctccgcctcc caattgatgt agcttgttcc ctcagtcccc ctgctcagag aaccctctcc 41280

aattatccca gcccccaacc cctctcaccc ctgcagtatg tcttcctcgc acccaccccc 41340

gtcagaatgt tggcgccagt gtcaccagca cctccccaag tgctcaggag ccagtgagaa 41400

aggttcgctc cttttcatgc aagccatgag ctgtgatgtt gtccaagtct cgtatcctgt 41460

ttgtgcctca ggctcctcat cagccgaatg ggaggctgac ggaaagggat tagagctcag 41520

gcatcagctt gaactggggc acgtggcgtg acaggcctag tgcctggcag gcaggtccct 41580

cgggctcttt gtcatcctca ggagtgtggc tcgaagacag gtagcatccc aggcctggag 41640

agctgactgt gctgcctgtg gctgcagaga caggatgcag aggccagggc tcgtccccca 41700

gagccttgca agtgtctgta gggcgctccc ctctgtcttg cctcctccca ctctctggct 41760

cttctctatc cggcctgccc tcaggttgtg accatccacc tcccaaactg ccctggaatc 41820

tgcctacggc ctgtccactg gcctccgtac ccctgcctgc catctctctg gtttcgcccc 41880

tgatgtcact cacatgaacc acagcggtca cccccacctg cctcctgctc ctgccctctc 41940

ctctgccctg catcagccag agggggggttt aaaagcttac atttgttaat aatctggcta 42000

aagcttaaca tttattgtaa tccatcccta aatcccagct ggtggcattg ctctaacagt 42060

gatgaccagc ctcctcatca taatccccag cactgccacc ctcaaccccc cagcgctgac 42120

cactggaggc tgcttctaaa acttcagccc tgctctgcca gcagcgcccc tgggggggtct 42180

tcgtagccct gttgcccatc acgatccctt ttctcatgca gtccaggctg caagcccccg 42240

ccgagggctt gggctgactt gttgtgtagt cagtgctgtg tctctgcacc cagccagaag 42300

tggtgggaca gccccccggc tgacgggcta gaacccatca tccagggtgt gtggaaagag 42360

cacatctccc ccccgacgcc agccactggg taatacattc ccaggaattt ccagtgccca 42420

gccccagctg agaaacaggt cttctggaac cctccagcac cctcatcagg ggttcccagc 42480

atgggtaggg ccacctgcca gctgggaatg attgtagtgc tagtgacact cactcaggga 42540

cccaggatgc tgtctcgttc tgtacagggc acagctgtac agtaccaatt gccctgtgtc 42600

ctgtacaaat tttcaacgat ccaaacatct aggtgcaaaa cctgtttgaa attctctgtg 42660

ttggccaggc acggtggctc acacctgtaa acccagcact ttgggaggcc aaggcgggca 42720

gatcacctga ggttgagttc gagaccactc tggccaacat agtgaaaccc tgtctctact 42780

aaaaatacaa aaaaattagc caggcatggt agcgcgtgca tgtaatccca gctactcagg 42840

aggctgaggc aggagaatcg cttgaacccg aggcagaggt tgcagtgagt tgagatcgag 42900

ccactgcact ccagcctggg caacaagagc gaagctctgt ctcaaaaaaa aaaaaaaaaa 42960

aaaaagaaaa agaaattccc tgtgcctaga acctttcacc attttgtatg aaacaacaga 43020

atttcctttc gagcctttaa tgtaccccga gcccactgtt tctacttcag tcctcactgg 43080

aaagctttca ttttcctttc tgagtgtaca gggtgacttc ctgtcttcct ccttgctgga 43140

atcctggtgt attcactgta agtcggagca ggctactccc tctatcttct ggggtggttg 43200

tgcctgagtc ttttccattg tgaaagacat ggaattgatt cctttcttcc ttccctcctt 43260

ccttccctcc ttccttccct ccctccttcc ttccctccct ccttccctcc ctccttcctt 43320

ccctccctcc ttccttccct ccttccttcc ctccctcctt ccttccctcc ctccttccct 43380

ccctccttcc ttccctcctt ccttccctcc ttccttccct ccctccttcc ctccctccct 43440

ccttccttcc ctccctcctt ccttccctcc ttccttcctt ccctccctcc ttccttcctt 43500

cctccctttc ctccctttcc tcccttccct cccctccctc ccttccctcc cttcccttct 43560

ttccttgatg gagtcttgct ctgtcgccca ggctggagtg cagtggcacg atctcagctc 43620

actgcaacct ccgcctcctg ggttcaagcg attctcctgc ctcagcctcc tgagtagctg 43680

ggattacagg cgtgtgccac cacacttgga taatttttgt atttttagta gagacggggt 43740

ttcgccatgt tggccaggct ggtctcaaac tcctgacctc aagtgatccg cccacctcgg 43800

cctccccaaa gtgctgaggt tacaggcctg tgccactgca cccggccagg atatgtactt 43860

ttcttaaaca gctctgtcga atagtaattt acattccgcg aaatcgatcc atttcagaat 43920

tagtggtctt tagtcatttt acagtccttt ttttttccc acacagagtc tcgctctatt 43980

gcctaagctg gagtgcagta gtgcagtcat ggctctgtac aacctcagcc tcccgggctc 44040

atgccatcct cctctctcag cctctctagt agctgggatc acaggcgtgg gccaccacgc 44100

ccagctaatt ttagtttagt ttagtttagt ttagtttttg tagagatggg gtcttactat 44160

cttgtccagg cttttacagt taattttagt aaacatcacc atagtccaga tgtagaacat 44220

tttcatcacc ccagaaagct ccttcccctc cattggcagt caccccgtt cccacatcca 44280

ggtatccact gatctgcctt ctgcttctgt agatgtgact tttctggaca tgaaacacat 44340

cctattttgt catcaataac tttcctcgta ttttacccat atacatgtgg cattgtgttg 44400

atttaaaaca cataggaaat gtgttgatct cctgggtatg ggggaaattt aacaaataca 44460

tgccagggaa tgggcccccc gggagtacgg ggggtggggc acagcctgcc agagggaaat 44520

ggttctggtc actatgacct tccatgcata ccttcctgag ctcttcaggc ctcaggaccc 44580

tccaagacca gagcattccc cagggcccag ctggggttgg tgcctttgct gaggtcgccc 44640

aaattgcaag acagagttgc tccaccacat gtggtcacac ttcctgcccc tcgatccgga 44700

cgcaagagta atttctgtcc ctctcccccc ctcacaggga cttccttccc cgcggttcag 44760

gaatcgtcac ccggcggcct ctcattctgc agctcatctt ctcaaaaaca ggtaaaatgg 44820

ggcggcctga ggttcagcag gaagtggatg tggatgtgtg gttgccagga gttgctgggg 44880

gcggagggtg gaacttgggt cctgggctgt cattggacat tgaattcacg tgttccacat 44940

gtgtgaggaa attgaaaaac ggctcagtga acacttacac acccacactg caagccctca 45000

gctgtgacca gaatgccagg tgccatgtgt gctttctttt ttctttttt tgagacagag 45060

tctcactctg tcacccaggc tggagtacag tgatgctatc ttggctcact gcaacctcca 45120

cctcccaggt tccagcgatt ctcctgcctc agcctcccaa gtagctggga ttacaggtgt 45180

gaccctccat ggccagcttt ttttttttt ttgtattttt agtagagaca gggtttcacc 45240

ctgttggcca ggctggtctt gaactcctga cctcaagtga ccctctcact tcggcctccc 45300

taagtgctgg gattacgggc atgagccacc acaccggccc catgtgtgct tttcatgtgt 45360

tatagataac ccgattttgc tgaacgcttt caaagtcagt agcagacgtg gtgacacatc 45420

catccttcac gccccagtgc acctccccat gcaataaaga cgcctgtcta caaagtccca 45480

gcaccatgcc ccagagaacg agtcattccc gcatgtcatc cacgtcccag tttctactca 45540

gcatgtcgcc agttgtcccc cagatatctg gctggtttta tagctgctct gctcaatcca 45600

atgctatact cttttgtaat ctcttcttct cttttcatta aagcagcctc cccataatca 45660

ctttttttat ttttttaag agacagggtc tcactctgtt ccccaggccg tgcagtggtg 45720

tagtcatagc tcactgcggc ctcgacctcc tgggcccaag caatcctctc caatcagcct 45780

ctcgggtagc taggattaca ggtgcacaca ccaccacacc cagctgattt ttttttttt 45840

ttttggtaga gatgggggtt atgttaccca ggcaggtctt gaagtcctgg cctcaagcaa 45900

tcctcctgcg tcagcttccc acagtgctgg gattataggc atgaaccatc acaccagccc 45960

tctaccattg ctttttattt tttattttat ttatttattt atttttgag acaaagtctt 46020

gctctgtcgc caggctggaa tgcagtggcg tgatctcggc tcactgcaac atccgcctcc 46080

tgggttcaag cgattctcct tcctcagcct cctgagttgc tgggactaca ggtgtgtgtc 46140

accatgtctg gctaattttt gtatttttag tagagatggg atttcaccat gttggccagg 46200

ctggtcttga tctcttgacc tcgtgatccg cccacttcgg cctcccaaag tgttgggatt 46260

acaggcgtga gccaccgcgc ccggccacca ttgcttttta atcagacttt gactcttagg 46320

gagacccagc ctgttgaata tagtatggcc tatgtgtgga ttttttcctg ttctttcctt 46380

ccctgatctc agtgtatttc tattcttccc acccgaggct gacatgaggt gggcgtatat 46440

cccagctgga aacccccctcg ggcctccttg ggaaggatct tgggtcagaa gctagacccg 46500

ggagaggtaa gggtctccgt gccccttccc tgctaatctg caacatcagc tctgggcgtt 46560

caacactcag tttgtgttaa tgtcttcttg cggccctttt aaatactctc acactgggaa 46620

ggcagctgac acacacaccc ccattctaca gatggggaaa ctgaggctta gccatgctgc 46680

ctgcctttcc aatgggcccc agatctggga cctgcatcca ggcagatctg acctcaacgc 46740

cagctctcag cttggcctcc caagactcct cactttcgtc ctctggcccc gcccaacctg 46800

gcaagaaggc gtgtctccag tgagagacag cagccgatgg gcccaccacc tcttctttat 46860

gagctctgct atttcgtacg ccaccgatgg gccaatgggc tgccacctct gggttcaggc 46920

gtccaatcag ctgtgccagg aatgggcagc cccaaagtcc tgagagtcac tatagaaatc 46980

agtgttggta gttttctgtt tctcattgag caggatgggg acagatgtgc aaactgcatt 47040

tttattttat tttattttga gacggagtct cactctgcca cccaagctgg agtacagtgg 47100

cgggtgatct tggctcactg ccacctccgc cttccaagtt caagcaattc tcatgcctca 47160

gcctcctgag catctacagg catgagctac cacgcccggc taatttttg tgtttttagt 47220

agagacagag cttcaccatg ttggccaggc tggtctggaa ctcctgagct caaatgatct 47280

gcccgcctct gcctcccaaa gtgctgggat tacaggcgtg agccactggg cccggccaca 47340

aactgcattt ttaatgagtc cctggtgatg ctgccagtct ctggccacac cactgggaga 47400

gcctgccctg cttggtttag gcttggagcg gagactgccc aggttcccaa cccagctcct 47460

agggagggac caccactgtg tttcctgtct ggacagtgat gacaataaca ccaccttgtt 47520

agccttaaag cacacgttat ttactacatg tcagggagga ggggagagaa gcaggcagag 47580

agccttggcc aggagggagc acagagcgca ggcctaccca gtacctgacc cggatgaacg 47640

atgatgggtt cctgatgtct gtccccacct tacagaggag ggagccaagg cttcctgacc 47700

acttgcctta gggcacatgg gaacattgtc tttaaagccc acccttaagc cacctcttgg 47760

gggaatgtgg ccttaggcca aggtgtgact tgaccagatc ctgtggctgt tggtggaaaa 47820

gggaccacag gggccagtgc tgaggccagt gccctggagg aggcaggagt aggtgctgga 47880

aggggtgggg gcaggtgggg gatgggtgtg gcagctgtgg tggaggtgga tgcatagttg 47940

catcctgttg ggctggttga aaagggagtt ccagaagtgt cccacatggg tggggccttt 48000

tcctgcctcc cagcttgcac ccctcagccc cgcctgatca tggcattttc agtctctgtc 48060

tccttttttg ttttgttttg ttttgttttg tttgagacaa ggttctgctc tgtggcccag 48120

gctagggtgc agtggcacga tctcggctca ctgcaacctc cacctcccag gttcaagcaa 48180

ttcttctgcc tcagcctccc aaatagctgg gactataggc gcacaccacc tagcctggct 48240

aatttttgta tttttagtag agacggggtt ttaccatatt ggccaggctg gtcttgaact 48300

cctggcctca agtgatctgc ccaccttggc ctcccaaagg gctgagattg caggtatgag 48360

ctaccgcgcc tggcaaattt ttaaattgag atgaagtctt gctatattga ccaggctggt 48420

cttgaactcc tgggctcaag caatcctccc atctcagctt cccaaaatgc tgggatgaca 48480

ggggtgagcc cctgcgcccg accaggctcc aatctcttat tgctccaagt aggtgcccac 48540

ttggtgctgg gccttagctg atctccaggg aggcagcgtg agcacctggc atggtcccag 48600

cccccgagcc cagcctgtga gtgtctgttg gattcacctt ggggttgggg gcccagagag 48660

aacattctag gtagggaaac agcattagca aagcagtgtg gggaggtggt gaggcttggg 48720

aggggccaga aggcaggagg gactgggact ggaaggcatg ttgaggattc aggcagtggg 48780

agctggggtg gcatgcatgg tggcgggaga ccactggctg ccatgttcag gagggacagt 48840

cagggaccag aatgcaagcg gggagtgggg gatagggagt ggcagagagg ctggcatggc 48900

gccaggcaag aggcaatggg ggcctggccc tggtggtgcg ggcagatgcc aggcagtcta 48960

gactgtcttc caggcaaggc attaagcagc ataggcaccc ttgctggggg aggtgggtgg 49020

gaggtaggac gccttactaa gaggagagga aaatgaacac attgcgggca tcagtgattg 49080

ctggggccgg cggggccttg tggggtatac accagaccac gtggctccta gggattggca 49140

gctggctctc tgtgaccaaa ctcagaacca ggctgccacc ctttactggc ccgggacttg 49200

ttaaagtgac ttccctctct gtgccttggt agcttcatct gtaaaatggg ggtgatggtg 49260

gcgctgccat cgtggccatg gcaccccatt ggctgtggta tgctgtctct tcctgtgggg 49320

tctgatgtcc aaagacaggg cccccagggc gcagcccacg ttcccctctg gttcccgcag 49380

cttgccctca ttccagccat ccccagtgaa ccataacttc cagccataga agtttaaaca 49440

ttacctaaga ccataaccac caggaagttt ggtggcccat gagtgaaccc tgccctcact 49500

gggaagcagc cccgtaaact ctgagtgcct gggactgttc ctgtgtggaa tgtgcacagt 49560

gaggccctgt gaaccacccc tccccaccgc ccttggcctt gaactggcct ttggtgtgct 49620

caccggaacc aaggaagaga tgtcaggacc tggctccagg gcttcccatt ggcctcagaa 49680

tcaaatcgag cctccttctc aaggccttgt ggcccttgcc agtctctggg acctcacctc 49740

ctcctggtcc ccagccactg cccccatcca tctccctcct gattctcagg cccagcttgc 49800

tggttcccac tgcttggcct ctgtgctcac tgtgctgcct gcctggaacg ccctgttccc 49860

tacctgccac tgtctgctgc tcacccgcac ctggtcactt gccgccttcg ttccccggtc 49920

cccggcagca cgagttatcc tgttcttgtt ttttcttttt cttttttttt ttttttgag 49980

atggagtctc gctgtcgccc aggctggagt gcagtggcgc catctcagct cactgcaagc 50040

tccgcctccc gggttcacac catgctcctg tctcagcctc cggcgtagct gggactacag 50100

gcgcccgcca cctcgcccgg ctaatttttt tgtatgctta gtagagacgg ggtttcaccg 50160

tgttagccag gatggtctcg atctcctgac ctcgtgatcc gcccacctcg gcctcccaaa 50220

gtgctgggat tacaggcgtg agccaccacg cccggcctgt tttttcttaa tggactctct 50280

ctgcgccagc acacgagaac aggcatgcag atcggctctg cccagcacag ggcctggcgc 50340

cgagcaggtg ctccgcatgc acggccgagt gaacgagctc aaagggctgg tgctgtgccc 50400

cttcttgcct actgggcggg aagtgatggg ggttacttta ccaagcatct tcccctggtg 50460

agcctggtcc atcactctgc cattccatct gcagccttgt atctagagag cagaccaagc 50520

tggcgtgcgt caggctgtgg gctggctggg atgcctgccc aggctgacac cttcccagtg 50580

gcaatttgtc ctggactggg agatatttgc gtattgcctc ggattagaga gaactcaagg 50640

gctaaatggg catgggaagt gttgtgtgct gtgcccactt cttggtctgc tgaaggctct 50700

caaaagtcct gcatgagtgg atcctgcctg ctggcgtggt agctagggtc tcctgatggt 50760

ggcagatccc caagttgttc cccctggtcc tgcctgccaa cagcaggttt gggaaaggca 50820

gatctcctct ccttgccttc agggccagcc tcgtcattgt gttctttgct gggggaacgg 50880

tgagaagatc cagggcagag ccccagtgtg caaagcactg ggaccctagc ccagcccctg 50940

agggttccct gagactaaca gctgagccgt gtttgtgctc ctgatgggat ttgatcgcag 51000

tcatatggga gccccggcac tgggttctgt gtcattgcat tttggggaaa ctgaggtgct 51060

gagagaaggg taggaacccg gagctgggtg tcgctaggct gtgaaaccac gaggcacccc 51120

gaaaactctc ctccctctct ccctctcctc acctccccaa accctgctgt cttttctgtt 51180

gggctgaagg caggtcttcc cagcaggacc tgggcatttc aaaattctta agtagtgcca 51240

gcgggcacgt gaccagtgtg ctttgaagat agggagggcc attctctgac caagggcctt 51300

cggtcactct ggggctccac aagctccttt gaaacaggag gctccgaaga cctccagggt 51360

ctccaggcca gaggtgactg tggcctctgg caaggggctg cttcttcatg tcccaggccc 51420

cctgaccctg agaaggtggc agcttgcacc tgtggctccc ttctggggac acctcaaagg 51480

gcctgaggtg caggggattg actgtttagc acagtggggc cccagttggg ggttcctggg 51540

agtgatgtcc tcctaggtta gagcacagat tctttttca tggattttaa ttaagcagct 51600

gctgtatacg agatgctagg gggaactgtg atcacaccaa gtctctgctc tctcagagct 51660

ccagcttcag taggggacac aggcttggga gggaggcaga acctctctct ggaaaaaccc 51720

gcaagtacaa ccagtgggcc cacagttagg aggccctgtg gtgggcgagg acggctgact 51780

ccctggcctt ggcagcgtga ttgctggatg actgcccaga ttaatccttt actcctgctg 51840

tgtgccaggc tgggtccctc agagtcccca gggcctgatc acatgccagc tgcgaacctc 51900

tctgaggggg cccgggctga ccctcctccc agggagccct cctggctcag ggtgccgggt 51960

gacagtgggg gtgtgtgtgg agctatcaaa atgctttgca gtttgccgag gaattacagg 52020

aactggcttt ggtatctgga aatgcctgtc tgcagagggt ggctgtgggg tgcagcttga 52080

tggcagggac cgggacaggc agagccaggg gtggctcagt ggcttgttgg ctgggcctcg 52140

gctgctgctg ctgtggacaa gttgacaggg aactcagtgt taaggcctct ggctgattct 52200

ttgggccagt ggattgttaa aaaaaaaaaa aaaatcatct catctccagc acttgagcgc 52260

atgcagcgtt ccagaggccc aggctaggcc ctccactcta tttctctttt tgtcattgtt 52320

ttgagacagg gtctctggcc tccccttgtc atccaggctg gagtgcagtg gcgtgatcac 52380

agctcactgc agcttcaacc tcccaggctc aagcagtcct cccacctcag ccacccgtgt 52440

agctggaact acaggcttgc gccaccacgc ccagctaatt tttaattttt ttgtacatgt 52500

aggatcttgc tatgttgccc aggctggcct ccaatgattc tcccacttca gcctcccaaa 52560

gtgctggagt tacaggcatg ggccactgct ctcggcctgg tggaagcttt taaacctcta 52620

ttgggctggg catgatggct catgcctgta atcccagcac tttgggaggc cgaggtgggc 52680

ggatcacctg aggtctggag ttcgagacca gcctggctaa catggtgaaa cctcatcttt 52740

actaaaaata tacaaattag ccaggcgtgg tggcatgcgc ctataatccc agttacttgg 52800

gaggccgaag tatgagaata gcttgaaccg gggaggcaga ggttgcagtg agccgagatt 52860

tcactactgc actccagcct gggtgacaga gcaagactca gtctcaaaac aaacaaacaa 52920

aaaacctctg ttgacctggc attcagcatt tactttcacc atgccaggga gccctgtgaa 52980

gaaaggcagg cagctgcggc agacctggtc ggtgcctggg ccttttttctc tggtgtggtt 53040

ctgttgctca ctgacccact agggaagaaa cggttttctg gcacctgctg tccatatcct 53100

tcgcccacat ggaggggttg gccgacagca gaaggatctt ggaggagaga tcacaaagaa 53160

cagcccctgc tggccgggcg cggtggctca cacctgtaat cccagcactt tgggaggccg 53220

aggcgggtag atcacgaggt caggagatcg cgatcatcct ggctaacacg gtgaaaccat 53280

gtctccacta aaaatacaaa aaaattagct gggcgtggtg gcgggcgcct gtcgtcccag 53340

ctacttagga ggctaaggta ggagaatggc atgaacccag gaggcagagt ttgcagtgag 53400

ccgagattgc actactacac tccagcctgg gtgacagagc gagacttcgt ctcaaaaaaa 53460

acaacaacaa caaaaaaaaa cagcccctgt cttctctgat cccctgttgg ttcccagcct 53520

gcatgtgaca accggggaag gtgccgtgct ccaaagtctg gcatgtgagt ctggctgcct 53580

ggttccagcc ccatctcgtg tctgcccctg actgggcgga cttgggtggg gcaggtggtc 53640

cttcctgggc ccgtttcctg gtccttgcgt tggggaatgg cctgaggttc cgggggaacc 53700

ttttgcagct cagacaccta gattcagctt gctggggaag cctgtggcag ccgggcaggc 53760

agaacctcca tttctcacct aacatgcgtg agtgtgccct tggggacaca gcaatgacca 53820

aggcagatgg gcgtcccttc cctggtggca tggacattca aggtaaagct ctctatatta 53880

gatttcttct cacccctttgt cagatggtag taagtgttat ggggaaacga aggcagggga 53940

ggagggggct gggtggagca gctgctgtgg ggagagagat ctgcaggagg tggggatgct 54000

gtgtgacttg agagagtagc ttgccctctc tgggctcctg cctgtgtgtg ctgggggaac 54060

gatggcgccc actgcccctg gtgctgtctt tgccacatca ttccttgggg acttctgccc 54120

accagctgct cagaccgtag ctgtgctggc tatgctcttc ctgtgcaggt attgactctg 54180

agtcctcata cagcctgtta tgatgcgcat tttacagatc agtagactga gacctgggca 54240

ggccctctga ctacagactg agctcattac tgcacacagc gtgctgccag tacatgctgg 54300

gctctggggt gctggagccg caggtcctgg ccccatcaat acaatccaaa gtgagctggc 54360

tctgatgagg aagaggccaa gatgccccac tcagggaagt cttcctggga gaggtggtag 54420

ccaggcagac ctgggagtag gaggaggtag ggctgggctt tgtagacacc acacttggtg 54480

ggacagaggc ctgctaggga gagggcctgt gtccttgcca ccagcccatc ttccacgcca 54540

tgtccccctg cactctttga agggagatgg tctcttttgg ggctaagctg gggtcctgga 54600

gccagaagag aactgagatt tgctgtgggg ggttgggagc tgttccattt ttagtggctg 54660

ctacaggaag agcggccgag tgtttcccct tgtccctgca gaaggctgga gtgtaactgt 54720

ccttgggaac tgggtcagct gatagcaggg ctgggggtgg gggtggggat cctgaatcct 54780

ccagcagatg tcctcattgc cctgatctgg gtggccagtg cctgtgctgg acacggtcct 54840

cagtcatcgg agcccactga gtctcccccc gaccctgcag agaatttcaa agaggcgaag 54900

ttccttccag tggcctcaca aaggctatct ggcttaggag ccattacctg aagccagaat 54960

ttctgagttc caagtcccag ctccatcacg gaacttggcc caaggccctt aacccctctg 55020

ggcctcagtt ttgtcatctt tgaaatgggg atcttagaga tgcctacctg tcaagggact 55080

tgtgaggcgc aacgggacca cacgcagggc ctggccagag tgccgtagtt tcttcggttg 55140

ccatgatggg acggtgaaac tcctcacact cttctttctg ccttgaagat tctagacctg 55200

gctgggtgtt catctccctt tttgcctttg cttgaggcag tttatggcat ggctgtgtta 55260

ttcacgtcgc caggtctcct cctggtggac gttgaggcca ttttcatttt tttactctta 55320

aaaacgacag ggcagtgcgc atcttcgcat ctccggggtg ggtcaggtct ctgacctctt 55380

tgccagtgtg acttattacc cctttctttc tttgtttttc tttttgagac agtgtcttgc 55440

tctgtcgcca ggctggaatg cagtggtgtg atcatagatc atagctcact gcaacctcca 55500

gctcctggct caaatgatcc tcccacttca gccgatatta atccattttc atgctgctga 55560

taaagacgta tttgagaccg ggcaatttac aaaagaaaga ggtttaatgg agttacagtt 55620

ccacacagct gggctgggga agccccacaa tcatggcaga aggcaaggag gagcaagtca 55680

catcttatac ggatggcagc tggcaaagag agtgagagag cttctgcagg gaaactcctg 55740

tttttaaaac catcagatct cgtgagactt attctctatc acgagaatag cacgggaaag 55800

acccaccccc atgattcatt gatctcccac tgggtccctg ctacaacaca agggaattat 55860

gggagctaca agatgagatt tgggtgggga cacagagcca gaccatatca gcctcccaag 55920

tagctggaac tacaggtgtg cgccaacatg cctggctaat tttttaaatt tctgtagaga 55980

cggggtctca ctgtgtcacc caggccggtc ttgaactcct gggctcaagt gatccaccct 56040

cctcggcgtc ccacagtgct ggataatagg cgtgagccac tgtgcccagc catttccccc 56100

ttatttttag catcactaca gtagctgtga tctctgagct ttggggatat cccctcccca 56160

acattttact ctgaaaattc gaacatctgg aaacgtcaag gctttgtaca gtggacacct 56220

gtgtactcgg cagccacctt ccgtgatgaa catgccttat atttgctttg tcctcaatct 56280

gtgattcggg actggatttc tcttgtttcc tggtgggacc cacactgctt gtcaattact 56340

tattttgttc cccttcatcc cagtcttgct gtgactttca gataccccg ggtcttatat 56400

acactcaggg ttatacccag aaaacatttc tcctgggga tttgtctcta ggtaggggc 56460

cctcttgaat agtcaggggg agaaagaaag actcaagacc agctctgagg aggcggcagg 56520

ggtgcccctt ccctctacct tgtgggctcc ttggggaaga aggacaagtg agtgccatga 56580

gaaatacccc tggggatttt gtggagctgg aatgtgctgg tggaccatga atccacaagg 56640

acttgggcat cgaactccct tgactgggac ccacagcaag ggaggctctg cagcatcacc 56700

ttaatcaaat ggactcaccc tctctgggtg atgtatcctg gtgcttcctc ttctgttcat 56760

cagtcaatca acaaataaat ggctgggcgt ggaggcatat gcctgtaatc ccagaaactt 56820

tggtcattgg ttatgtctac ctgtttattt ttgggggagg gggattcata atatgtcatg 56880

acgtatatta acagtttgca aagtgccaca tgggaacgta atcttcagga tctggaaaga 56940

ggctcagtct attcagtcta taggaacccc cgcctccccc aagacccttg tcatgagaac 57000

gaatctttca ctcccaaatt cctagagtga cgatgattgg gtcattattt tctttttat 57060

tttattttat tttattttat ttatttttt atttttttga gatggagtct tctctgtctc 57120

ccaggctaga gtgcagtggc gcaatctcgg ctcactacaa cctccgcctc ccgggttcaa 57180

gcaattatcc tgcctcagcc tcctgagtag ctgagactac aggcatgtgc caccatgcca 57240

ggctaatttt ttgtattttt agtagagaca gggtttcacc atgttagtga ggatggtctg 57300

aatctcctga ccttgtgatc tgcccacctc tgcctcccaa agtgctggga ttacaggcgt 57360

gagctactgt gcccagcctg ggtcattact ttcattcaac aaagcatttc tccccgcagt 57420

ccatgcgcac cctgcccaca gctctttctc attttcagca tctctcttcc ctttctagaa 57480

catgccgagt ttttgcactg caagtccaaa aagtttacag actttgatga agtccggcag 57540

gagattgaag cagagaccga cagggtcacg gggaccaaca aaggcatctc cccagtgccc 57600

atcaaccttc gagtctactc gccacacggt aggcagcacg ggtggggacc catcactgac 57660

cgtttctggt cgttcatgga cagtgctatg ggtgagcctg tgtacttcca ctcatgggta 57720

tcatgtgccc attcacaaac agttgatatt cacacacaca tagccccttg atctgtatct 57780

tcccacttgt gctaggtatg tagtacccag acctctgtct cagcttgaag aaagagcatg 57840

ccaagaagtt gtttggagtg gtgggggatt gcagccattt ccccctttta ccaagggcag 57900

ccaccacttg gctcaaggca gccagatctg ctggtgcctc aagagaggcc agaaccagtc 57960

ttctgtaaaa tatcctgggt ttttttttt ttttttgag acagagtctt gctctgttgc 58020

ccagtctggg gttcagtggt gtgatctctg ctcgctgcaa cctccacctc ccaggttcaa 58080

gcaattattg tgcctcagcc gcccaagtag ctgggattac aggcatgcac cactacaccc 58140

agctaatttt ttttttttt tttttgagat ggagtctcgc tctgtcgccc agactggagt 58200

acagtggtgt gatctcagct cactgcagtc tccgcctccc aggttcaagc tattctcctg 58260

cctcagcctc ccaagtagct aggactagag gcaactgccg ccacgcctgg caaatttttt 58320

gtatttttag tagagatggg atttcaccat attggccagg cttgtctcaa actcccgacc 58380

ttgtgatctg cccactttgg cctcccaaaa tgctgggatt acagacgtga gccgccgcgc 58440

ccggccaaat ttttttttt ttttttgaga cagagtctcg ctctgttgcc caggctggag 58500

tgtagtggcg caatctccac tcaatgcaac cttcacctcc cgggttcaag caattctctg 58560

gcctcagcct cccgagtagc tgggattaca ggtgtgtacc accctgcctg gctaattttt 58620

ttttatttt ttatttttt tatttttagt agagacgggg tttcaccatg ttgcacaggc 58680

tggtctcgaa ctcctgagct caggcaatcc acccacctca gactcccaaa gtgctaggat 58740

tacaggcgtg agccaccacg cccagcccat tcagctactt ttttgtattt ttagtagaga 58800

tggggtttca ccatgttggc caggctggtc tcgaactcct aacctcaggt gatcgcctgc 58860

atccccctcc caaagtgctg ggattacagg ttttagccac cttgcccagc caaatatcct 58920

gattttaaaa ctctgcattc aaacagcagc ccggggccat agacatcctc tggcccagag 58980

gcacagattg ctaccatgat gggttccttg cgataagttt taaatttgtt tttcaataaa 59040

tgacacctgc atgtggctca gaattcaaaa attacagaaa ggtatatcgc aaaaacctac 59100

cttgtcaacc agttttgcac acatatttta ggttcttcag atgacaatgc aaacatgagc 59160

tgggtgtggt ttcacacacc tgtcattcaa gctgcctgaa aggctgagtc aggagggtca 59220

cttgggccca ggaagtcgag gttgcagtga gctatgatca catctgtgaa tagctactgc 59280

acttcacctg ggtaacatag caagaccctc tatcttaaaa aaaatgtgta agcaaaaaac 59340

atgtaagcaa ttgtgattgt atctatgtat atgttgtgta tgtgtttatc actccttttc 59400

cttaaattgt tagcataaca taaaaatcac ttatgctttt tttgagatgg agtttcactc 59460

ttattgccca ggctggagtg caatggtgca atcttggctt accgcaacct ccacctcccg 59520

ggttcaagtg attctcctgc ctcagccccc tgagtagctg ggattacagg catgcgccac 59580

ctcacccggc taattttgta tttttagtag agacggggtt tgtccgtgtt ggtcaggctg 59640

gtctcgaact cccgacctca ggtgatcgcc tgccttggcc tcccaaagtg ctggcattac 59700

aggtgtgagc cactgcgttg gcctatgctt ttttttttt tttgtatgcc tctcagaatg 59760

tttctttatt atatatttat ttttttttt ttttgagaca gggtttaaca ctgttggcca 59820

agctggagta cagtggtgag atcttggctc acttcttctc ctgggctcag gcgatcctcc 59880

cgccttagtc tcctgagtag ttaggacaac agatgcacac catcatgcca ggctaatttt 59940

ttatattttt ggtagaggta gggtttcgcc atcttgccca ggctggtttc gaactcctga 60000

gctcaagtga tctacccatc atggcctccc aaagtgctgg gatgacaggc atgagtcacc 60060

gcgcctggcc tcatccattt gtcttttgtt tttgtttttt tgagacagtc ttgctctgtc 60120

gcccaggctg gagtgcagtg gtatgatctc agctcactgc aacctccacc ttctgggttc 60180

aagtgtttct catgcctcag cctccagagt agctgggagt acaagtgtgt gctaccacgc 60240

ccagctaatt tttgtatact tagtacagat ggggttttgc catgttggct aggctggtct 60300

agaactcctg gcctcaagtg atccacccac ctcggcctcc caaagtgctg ggattgcaga 60360

tgtgagccac cgcacccagc ctcatctgtt tgtctgtaat ggttctttgg tattggctga 60420

atggatgggc tgaaatttat tcagtcattt aggtctattc cagtctgaac tgtcctgatt 60480

tagaactgtg ccattgaaat ggagtaggta gaaggtatct gtaggatggg atcctagaag 60540

gggagttact ggatcaaagg tgtggttcag gcagagtgtc aggcgacatc ctcaagtctg 60600

agccccgcgc aggaactttg gtagtcagct gggtggctgc gggcctgttt gtgcctcccc 60660

tctcctggct ctgaatgcct ttccttctgg tttccctccc agtgttgaac ttgaccctca 60720

tcgacctccc gggtatcacc aaggtgcctg tgggcgacca gcctccagac atcgagtacc 60780

agatcaagga catgatcctg cagttcatca gccgggagag cagcctcatt ctggctgtca 60840

cgcccgccaa catggacctg gccaactccg acgccctcaa gctggccaag gaagtcgatc 60900

cccaaggtaa ccctgagcct agggcagtcc cctcttccag gtgcctctga gcatgggatg 60960

tgcccagcat ccttggttcc aagtcactgg cgttctcttt aatccatggc cgctgtagga 61020

aaaggcctcc tggaacatgg cacttcctcc gagaaccagc agtgctggtg ggcatcccct 61080

gggaagtcac tgtgtggcag ttggacggtc ctccttggac atggcagtgc ccatgttgcc 61140

agagtgggaa gctagcctag ggctgaagga agggcccagc gctccatcgc ccagatgcga 61200

tcttaggtcc catctagctg ttactctgct ccctgagaca tggtcccctc ttagtcagaa 61260

cgggaacttc agtcctaacc cagatagctg atgtgaggac tgttgaactt ttgggttgtt 61320

tctgatcttt gcatggtgag atcgtctatt tcccttcgag ttgacacccc tgggcccctc 61380

tagtcagatc cttctactga accctcactg cagaatgtga gcaggaaggg gccccaggga 61440

gggcacagct gtggcccccc tgatgcccaa attggcaccc accagagatc ttcactctgg 61500

cttccatctg tccccagtgt ctcatgcaca tgccacacat ataacacaca cggttagcac 61560

agagccaggc cctcagcccc cgtgggagca gttgatctgc agaggtgaga ctttgctaga 61620

aagacatcct tgactctgga atgacttgtg gagaggtgga attggatggg atggtttcca 61680

gagtggaatt ttagccattc aggcaagagg tagtcctgga aacagtcgtg tcaaactcaa 61740

atgttccctt gggactttgc cggcacttgg aaagtccagc atcaaaatct ggcccaggaa 61800

tcatgtttac gtgaggtttc ccaaagcctg cagcagcaga ggttgtcctt aataacacaa 61860

atgacaataa cggccagcat ttgttgagta tttgccgtgt gccaggctca cccttatgac 61920

caccctgtga gatcagggct gtgaccatct tcattcgaca tgtcggaaac tggggtccag 61980

gcctgtgacg ttctggcttt cccaggtgat gtgacctgga agtttcaggg ccaactggac 62040

cccaggtggc ttgcagctgc cagctgatgc tctttcctgg tggcagcctc tgacctctga 62100

cctctgggct ctttcaggcc tacggaccat cggtgtcatc accaagcttg acctgatgga 62160

cgagggcacc gacgccaggg acgtcttgga gaacaagttg ctcccgttga gaagaggtgt 62220

ggctttgggg gtgctgggga agcaggagga tgggtggggt ccttatcatt actgaaaccc 62280

cagcacctgt tccctgcctg cctggaagtc attgcttctc catttcaccg taactccttc 62340

tttcttttcc ctttgagcta tgtatctttt tcttctgatt tgtatgcatt cgtttttcaa 62400

gtgcacaatt aacacctgct ggtttctgaa acattagaaa acaagtgtat agaaagagga 62460

aactaaactc acccgcagcc acacttcccc cagacagcca ctggtgaatc tgcagctccc 62520

agctccccag ggtttataac tttaattaat ttttttatta ctttctatta tgagccttcc 62580

cttccctttt ccttttcctt tttgtttttt gagacggagt ttttgctctt gtcacccaag 62640

ctatagtaca gtggcacaat ctcagctcac tgcaacctcc gcctcccagg ttcaactgat 62700

tctcctgccc cagcttcctg agtagctggg attacaagtg ggcaccacca cgcccagcta 62760

gtttttgtat ttttactaga gacggggttt cactgtgttg gccaagctgg tctcaaactc 62820

ctgacttcag gtgatccact tgccttggcc tcccaaagtg ctgggattac agccatgagc 62880

caccgcaccc ggcctattat gagcattttc aaacattccc aaaagtgtgg aaaaaagttc 62940

aaagaatcct cgtggatggc ttccccagct tcggtggtta ttattattat tttcttcctg 63000

gaatatttta ttttttcatt ttatttattt atttatttat ttatttattt atttatgaga 63060

cggagtctct gttgcccagg ctggagtgca atggtgcagt ctgggctcac tgcaacctcc 63120

acctcccagg ttcatgccat tctcctgcct cagcctcccg agtagctggg attacaggtg 63180

ccagccacca cgcgtggcta atttttgtat ttttaattga gacagggttt caccatgttg 63240

gccaggctgg tctcgaactg ctgacctcgt gatccacccg cctcggcctc ccaaagtgct 63300

gggattacag gtgtgagcca ccgcacccgg ccatcttcct ggaagatttt aacacaaatc 63360

ctaggcactg gctgggcgag gtggctcacg cctgtaatct cagtgctttg ggaggctgag 63420

gcaggaggat gccttgaggc tgggagttca agactagcct gggcaacata tcaagtccct 63480

gtctctacta aagattaaaa agttagctgg gcatggtggc atacacctat agtcccacct 63540

acttaagagg ctgaggtggg aagattgctt gagcccagga gttcgaagct gcagtgagct 63600

atgatcacac tactacactc tagcctgcac aacagagcaa gatcttgcct ctaaaaaaaa 63660

aaaaattcta taaatcctag gcattgtagc attttacaca taaataccca catttctttt 63720

caaatacttc cccttgccat cccatttgtt tttttctata ccattcattt gtggaagaaa 63780

ccagaccaca tcccacattt gggatttggc caattattgt tctctgttag ctggtaatta 63840

gatcaggttc aggttcaagt tcaggtacag atcttctgat aggagtaacc taagtatttt 63900

ttattttatt ttaaaaatat tttaaatatt ttgggtcggg catggtgact cacacctgta 63960

atcccagcac tttgggaggc caaggcaggc ggatcacaag gtcaggagat caagaccatc 64020

cttgctaaca cagtgaaatg ttgtctgtac taaaaataca aaaaattagc caggcgtggt 64080

ggcacacact tgtagtccca gctactcggg aggctgaggc aggagaatcg cttgaaccca 64140

ggaggtggag gttgcagcga gctgagatgg cgccacttca ctccagcctg ggccacagag 64200

caagggtctg tctcaaaaaa aaaaaaaaag aaaaattttt caagcatttt attttatcgg 64260

agcagcagtt ttaggttcat agccaaactg agagggagat acagagattt cctatcagcc 64320

ctatagccca cacatctgta acctctccca ctttcaacgt gcccagcaga gcggtgcatt 64380

tgctagaact gatgagcctg cgttgaccca ttgtcaccac cccaccccac atccatggtt 64440

gacatcaggg ttcactcttg ctgttataag ttttttttctt tctttctttc tttctttctt 64500

tctttttttt ttttttttt ttttttgac gatgtcttat tctgtcacct aggctggagt 64560

gcactgggac aatcatagct cactgtagcc ttaaactccc aggctcaagt gatcctccga 64620

gctcagcctc ccaagtattt gggattacag gcatgtgcga ttgctcctgg ctaggtttta 64680

ttttgttttg ttttattttt ttcagacaga gtttcattct tgttgcccag gctggagtgc 64740

aggggcacaa tctcagctga ctgcaacctc tgcctcctga gtagctggga ttacaggcac 64800

tcgccaccac acacagctga tttttgtgtt tttagtagag atggggtttc accatgttgg 64860

ctaggctggt cttgaactcc tgacctcatg tgatccaccc gcctcagcct cccaaaatgc 64920

tgggattaaa ggcatgagcc accgtgccca gccttctttt gtgtttttttt aaagccattc 64980

ctcccctctg gcatctactc taagctgcgg gcacctcctg cctttccctt catgcttagc 65040

cgcagtcatt tagagcattt cttttactcc tgggttttcc acctcgatgt ctgagataga 65100

tgtggggaaa agttcagacc ttggttgcca gcatccccca gcactgctga gatattgagt 65160

ggtgaggcga ccccggatcc caggggaatg ctgtcagggc taaattcaaa accctgttta 65220

gctgtgaaga tccggggctg agaagcaaat ctgtggctgg ctgaggtttg gggaggattt 65280

gctggtgcta gagaggaaag cagaccctac ccaaccccac gccctactac agccaccccg 65340

acccggctgc ccttggacac tgttaggcct ccatcttgga tcctaagggc ctttggggtc 65400

tgtgggcact agccaggctg aggatttggt gatatgggcc tcttcccctt cctcctgact 65460

cactgatgtc cacagctgcc cttctctgcc ttccttcctg tttctaagaa cgaaggcgct 65520

tccactctca gctcacttgt aggcctgctc ccgttttgtg acctcaggct tcagaagccc 65580

tcccactgga ccctttttcc tggcgtacta atgactcaca actcctcctc ctttacggga 65640

acccaggcta ggcgtggtgg ctcatgccta taaccccagg attttggaaa gcacagttgg 65700

gaggatggct tgaggcccag agtttgagac cagcctgagc aacacagcaa gaccccatct 65760

ctctcttaaa aaattatcca ggctgggcac agtggctcac gcctgtaatc ccagcacttt 65820

gggagaccaa ggcgggtgga tcaaacccca gctctactaa aaatagaatt agctgggtgt 65880

gttggtgcat gcctgtaatc ccagctactc gagaggctga gacatgagaa tcgcttgaac 65940

ccaggaggca gaggttgtag tgagctgaga ttgcaccact gtactccagc ctgggtgaca 66000

gagtgagact ctgtctttaa aaaaaaaaaa aaaaaaaaaa atccgtgtgt gatggtgcac 66060

gtgcctgtac tcccagctac tcaggaggct gagtccggag gatggcttga gcccaggagt 66120

tcaaagctgt agtaagctat gattgtgcca ctgcaatgca gaatgggcag cagagcgaga 66180

ctccatctct taattaagta aatcaagcca aatccaagcc agatgctttt tactggcccc 66240

tgctgtttcc ttctttgtgc tgtcacacag gtgatggtga ctctggcttc acagggatct 66300

aggttcagat cttgggtctc ctactgtgac ctcaccttgg catgtcttcg tttccctcct 66360

ccctcttgga tccaagagag atctggcgag gatgaagagc agtcacatcc cacaagaccc 66420

tacaggatag atgaccggca cctctccctt gcttctcaag agaaacatgc acaaccccac 66480

tacaaagaaa agggagcaca ggccaggcac tgtggctcac gcctgtaatt ccagcacttt 66540

gggaggccat ggcgggcaga tcatgaggtc aggagttcga gaccagcatg gccaacatgg 66600

tgaaaccccg tctctactaa aaaaacaaaa attagccagg cgtggtgacg cacgcctgta 66660

atcccagatg ctcaggaggt ggaggttgca gtgagctgag gttgcaccac tgcacttcag 66720

cctgggcagc aagagtgaaa ctctgtctca aaacaaaaaa ccccacaaaa caaaaaccta 66780

gccaggagtg caatggtagg cattccactt ggattctttg caacagtgtg tattgaatta 66840

tccagctttt ctcccccata tactgaagcg ttaactttca gttctacctc cttctcggtg 66900

tagttttgga ctttcttttc agttccattg atctctctgg acatgaatac cctgatgtac 66960

ccaactgttt aaaatatact cgtttgatag tggattttag ctcttcccta ttgctcttgt 67020

ttttaagatg ttatttcttt tttttcttgt gagacaaggc ctcgctctgt tgcccgggct 67080

ggagtgcagt ggggtgatta cagcttgctg caacctcgaa ctcccaggct caggtgatcc 67140

tcccatctca gcctcccagg tagctgggac tatacacgtg tgctaccacg cctcgctaat 67200

ttttgtatat ttttgtagag atggggtttt gccatgttac ccaggctggt ctggaactct 67260

tgggctcaag cgttccaccc gcctcggcct cccaaagtgt tggaattaca ggcgtgagcc 67320

accgcacctg gccttgagat tttttttctt tttcttttttc tttttctctt tctttttatt 67380

cagagtcttg atctgtcgcc caggctgaag tgtagttgca tgatcttggc tcactgcaac 67440

ctccgcctgc cgggttcaag cggttctcct gcctcagcct cccgagtacc tgggactata 67500

gtcacgcgcc accatgcacg gctaattttt tgtatttta gtagaggcgg ggtttcacca 67560

tgctggccag ggtggcctcg agctccttac cttgtgatct acccacctca gcctcccaaa 67620

gtgatgggat tacaggcgtg agccaccgct cccggccgag attttttct cacctatctt 67680

tgaatctcag cttgtagatt tcatctgccc caaagctttt ttctgtccct gcgcacacag 67740

gctggatgtg agctctcctt cctccaaata cttaatgttg ctcttcgcag ctgccatgtg 67800

cattcgcacc ctctgtgttg tttctgagta acatgttatg acagctgtga gtgcctcgtg 67860

ggacaggatc catctctata cttgaatctt gcccatcccc gtgccaggtc cacttggctc 67920

acctagcttt gcccctgacc tgactgcctc tccccacagg ctacattggc gtggtgaacc 67980

gcagccagaa ggatattgag ggcaagaagg acatccgtgc agcactggca gctgagagga 68040

agttcttcct ctcccacccg gcctaccggc acatggccga ccgcatgggc acgccacatc 68100

tgcagaagac gctgaatcag gtactgcaag ggtttgcacg tagtgtgcag tggcataggc 68160

tgtgcactgc acaacagctg caatcctcac tggcacttgt ttcaggctag agcagcactt 68220

gttttagcaa aatgggttca gtccacattt agcctaggag tttgagacca gtctgggcaa 68280

catatggaga ccccatctct aggaaaaata gaaaaaatta gctaagcatg gtggcacatg 68340

cctgtagtcc caggtactca ggaggctgag gcaggaggat cacttgagcc tggaaaatca 68400

aggcttcagt gagccatgtt catgccactg cactccagcc tgggcaatag agtgagaccc 68460

tgtttcaaaa acttaaataa ctaaataaaa gaaatgtact tgattcaggg tctggtgaag 68520

agcagatgtt cagtgacttg gtgctgctac tattacaacc atcactgtta ttattaccaa 68580

aattttaatt atcattgtaa ttattcagtc atttacccag aagactgtat gcattgcctg 68640

gggttggtga caggggggtta ataactcttt tttatttatt attattatta ttattattat 68700

tattattttt tatttttgga gacacagtct cactctgtca cctaggctag agtgcagtgg 68760

catgatcttg gctcactgca acctccacgt cccaggttcg agtgattctc ctgcctcagc 68820

ttcctgagta gctgggatta caggcgtgtg ccaccacacc tggctaattt ttgtattttt 68880

agtagagatg gagtttcacc atgttggcca ggctggtctc aaattctgag ctcgagtgat 68940

ccgcctgtgt cagcctcctg aagtgctgag attacaagca tgagccacca tgcctggcct 69000

atcgttctct tcttgtaagt aattgattca catggtgcat aaacagaaat ggtattaaaa 69060

gctatacagt gggccagtgt gtggtagcag gggcaagacg ctcctcctcg ctgttttcta 69120

gcaccttcca gggtggcagc agggcctcag cagcactcca gcagtcatct tttcatgcac 69180

atatcagggg gacacagtgt ccacacgaga gtaggttcct gtccttgtag aaggcataat 69240

tctaatgggg gagactgaca cccaacaaac cgccagataa atgcacgatc aagaatccag 69300

taggggcgcg ggggccggga aaagagccac ccagagaagg cagctcagga gagcaaagag 69360

ggaagtcagt gtctagaggg aggggccctc caggagagga agctggggtg cttacaaacg 69420

ggagtaggga gaggaaggga agtaaaactc cgcagctggc tggggcctcc tgagagccag 69480

cagtgaaaag tccagctggc ctccagggag cctggagggg gctcagcctc cttccacgtg 69540

gggtgcttcc cagagcagca gcgccccttc ctctccattt gctcatgact taagtgccct 69600

agtatcctgt cacagaccaa gggaaggcca gcgtagctcc ctgcctttct aggcagccca 69660

catagacggg ggtcgatggc cagggctgca gggcagggac ccttggtcac ggaggtcttt 69720

gggttacccc acttgctcca tgccatagat gtgaggttcc ttcatgcctc ttttctagct 69780

cgccagacac tttgtattta ttttttattt ttttgatgat ttttttttt ttttttttt 69840

tgagacagag cctcactctg ttgcccgggc tggagtgcag tggcatgatc tcagctcact 69900

ccagcctcca cctcccaggt tcaagtgatt ctcatgcctc agcctcccaa gtagctggga 69960

ttacaggcgt gcgccaccac actcaactaa cttttgtatt tttagcagag acagggtttc 70020

accatgttgg ccaggcttgt ctcctaatct caggtgatct gcccgcctta gcctcccaaa 70080

gtgctgggat tacaggcgtg agccactgta cccatcccgg ccttcccctc aaccccagat 70140

ggagtctcgc tctgttgccc aggctggagt acagtggcac aatctcggct cactgtaagc 70200

tccgtctccc gggttcacac cattctcctg cctcagcctc ccgagtagct gggactatag 70260

gcacccatca ccacacccgg ctaatttttt ttttttttt gtatttttag tagagacggg 70320

gtttcaccgt gttagctggg atggtcttga tctcttgacc tcatgatctg cctgccttgg 70380

cctcccaaag tgctggaatt acagtgtgag ccactgcccc cggcccatgc ccagcctttt 70440

tgatttttca gacaaggtct tactctgttg tccagaatgg attgcagtga cacaaacacg 70500

gctcattgca tcctcagcct cctgtactca agcgatcctt ttgccttagc ctcctgagta 70560

gctgggacta caggtgtgtg ctgccacacc tagctaattt ttaaaacttt ttttatcttt 70620

tgtagagaga aggtctcacc atattgcctg ggctggtctc aaacgcctat cctctagtga 70680

tctgtctcaa cctccccaag tgctaggatt acaggcgtga gccactgcac ccagctttct 70740

ctgttgtagg acagatggcc aaactctgct ttacactttg caagtatagg ctgattttat 70800

ggctttgttt ttctttttct ttttttttga gacagagtct tgctctgtca cccaggctgg 70860

agtgccattg tgtgatctcg gcccactgca acctccacct cccgagttct ttctcagcct 70920

cccaagtagc tgagactaca ggcacccacc accacaccga gataattttt gtatttttg 70980

gtagaaacag ggtttcattg tgttggccag gctggtctcg atctcttgat cttaagtgat 71040

ccttctgcct cagtctccca aagtgctggg attgcaggtg tgtaccacca tgcctggccc 71100

acatttgtct attttgaatc ttccttgctt ttctctgtag atgcagatgc agccggggag 71160

ctcatcttga gtgcattctc cacctttca ggggcgatct ttccatctta gtttgtaggg 71220

cctgtcccca tgtgtgttca ttggcccccg tttccgtggt ctggatggac tgtccttgca 71280

agctgttgct tgtcctccaa ggcgtggata ggcccagtgc ctgatgtcgg ccccgtgggc 71340

tgtttgtagc ctcttacact catgggcagc tccgtgccgt ctccgttccc agacatgagt 71400

gtgtctgtgg cttgatttat ctgttgctgt ctctcaaggc tgtgtggtgt ggtggccgca 71460

tagtggcacc ctggtgttgg cccttggttg gggggagtgt gtctgccact ccctggtatc 71520

ctgcccatgc cacccttct gatctctgac ctctctcctg cagcaactga ccaaccacat 71580

ccgggagtcg ctgccggccc tacgtagcaa actacagagc cagctgctgt ccctggagaa 71640

ggaggtggag gagtacaaga actttcggcc cgacgacccc acccgcaaaa ccaaagccct 71700

gctgcagtat gtaccccggc acccaccacc accaccaccc tggcccctgc cttccatcag 71760

ccacagggcc ccctaggctg ggcaccactc atcactcgtc cactcattga ttcagcagac 71820

acttgctgca agccttctgc gtgccaggct ccatcctaag catggcattc gccccagtgg 71880

aggggacagg tgtccgtccc tgcccctgga gtgctcagaa tgggggggaag tgggacgaat 71940

gggacaaaaa acaagaaaga aaatgtatag tgtgttaaat gtcaaaatat gaaagtggtg 72000

ctagtgtggg agttgtcggg aacagcctcc tttagaaggt gagcattggc cggccaggag 72060

cggtggttca cgtctgtaat cccagcactt tgggaggcca aggtgggtgg atcacctgag 72120

gtcgggagtt cgagaccagc ctgatcaaca tggtgaaacc ccgtctctac tgaaattgca 72180

aaattaggct gggcatggtg gctcacacct gtaatccccg tacttttggg aggccgaggc 72240

gagcggatca tgtcaggaga tcgagaccat cctggctaac gtggtgaaac cccatcacta 72300

ccaaaaaaaa aatacaaaaa actagccagg cgtggtggtg ggcgcctgtg gtcccagcta 72360

cttgggaggc tgaggcagga gaatggcgtg aacccaggag gtggagcttt cagtgagtcg 72420

agattgcgca acttcactcc agcctgggca tcagagtgag actctgttta aaaaaaagaa 72480

aaaaggccag gcacggtggc tcacgcctgt aatcctagca ctttgggagg ctgaggtggg 72540

tggatcacca ggtcaggaga ttgagaccac ggtgaaaccc tgtctctact caacgtacaa 72600

aaaaattagc cgggcgcggt ggtgggcacc tgtagtccca gctacacagg aggctgaggc 72660

aggagaatga catgaaccca ggaggcggag cttgcagtga gctgagatca cgccactgca 72720

ctccagcctg ggtgatcgag caagactgtc tcaaaaaaaa aaaaaaaaaa attgcaaaat 72780

tatccaggca tggtggcaca tgcctgtaat cccagctact tgggagactg aggcaagaga 72840

attgcttgaa cccaggaggt tgaggttgca gtgagccgag atcgtgccat tgcactccag 72900

cctgggtgat agggcaagac tccgtctcca aaaaaaaaag atgagtgttg gccaggggtg 72960

gtggcttacg cctgtaatcc caacattttg ggaggccgag gcgggaggat cacttgaggt 73020

ccggagttca agaccagcct ggccaacatg gtgaaacccc tgtctctact gaaaatacaa 73080

aaattagcca ggtgtggtgg caggcgcctg taatcccagc tactcgggag actgaggcaa 73140

gagaatcgct tgaagccaag aggcagaggt tgcagtgagc tgagaacgtg tcactgcata 73200

tcagcctggg caacagagta agactccgtc tcaaaaaaaa aaaaaaaaaa agaagttgag 73260

tgtcaggcga agacctgaag caggtgaggg cagggcagga gccgtgtggg attaagcccg 73320

gccagtgcaa aggccctggg gcaggactgg gccgggcatg tcagaggaag accctgtggc 73380

tggatggagt gagtgagggg agtgggagga ggtgatagag caggttgtgc agggccttgt 73440

ggggcctcag ggaggacatt ggcttttgct gtgagtgagg tgggagccat ggacagttct 73500

gagcgcagga gagtcaggac tgactcaggt gctcacaggc tccctagccg tggtgggaga 73560

agagacatgg gagagcgggt gggagccaga ccttggctag gttaggtccc tctccagctt 73620

ggcctcttaa gatccacccc atgacttggt tggtgcagct gcttagctgt gagattggga 73680

agcaggtgtg cccccacaat cccaaattct cactcgggga ctcttctgcc tctgaccttt 73740

tggcttttgg cctgtaaggg accttgaggc actggaacag ctggaccaga gcaggtgaca 73800

gggacacctg ggtagctcat actgcagaca gtgccatgca tgaggcactt cccacaggga 73860

caccaggagg acaccgcctc ctctggccat cacagccctg gcatcccccc acccctctg 73920

ccaggcagta gtgcatggtc gtgggctaag gggccagagt gcttttatgc tcagacagcc 73980

ttgactacgt tacaaaacac tttctacaga gcagatagtg gccctttgca ggcttcagga 74040

ggaaattcat agccggggat ggtggtgcac ccctgtaatt ctagctactt gggaggctga 74100

ggcaggagaa tcgcttgaac ccaggaggtg gatgttgcag tgagccaaga ttgtgccact 74160

gcactccagc ctgggtgaca gagcaagact ctgtctcaaa caaacaaaga aacaaacaaa 74220

caaacaaaca aaacacaaga ttcagcctac tagactgaag gaagtgttgt tgtggaggat 74280

tcagcctaag ggtggacctg ggcctgctgg gtgaccacag gcaggtgatt ggacctctct 74340

gagcctcatt ttctgcacct ctaaagtgag ggtcatagca gctgtcatct cacatggcca 74400

tggggacaaa ctggcagatt acaaggtgcc tgtaatccca gcacatgggg atgccaagtc 74460

aggaggattg cttaaagcca ggagtttgag accagcgtga gcaacaaagt gggatcctgt 74520

ctctgaaatt aagaaaaaaa aaaaaaatta ggctggggac gatggttcac gcctgtattc 74580

ccagcacttt gagaggcttc agtggatgga tcacttgagg tcaggagttc aagaccacct 74640

tcaccaacat ggtgaaaccc tgtctctatg aaaaaataca aaaattagcc aggtgtggtg 74700

gtgggcacct gtagtcccag ctacttggaa ggctaaagca ggacaatcac ttgaacctgg 74760

gagtcagagg ttgcagtgag ccaggatcac accactgcac tccagcctgg gcagacagag 74820

cgagactgta tctcaaaaat aaataagtaa ataaataaat aaataaattt aaatactact 74880

tgttaagcct atggcaggac tgggccaggg gatgcccatc acaaacagtc cctgtccccc 74940

ggggcttagc acgttacgtc atttgtaacc agttgccttg cagggccctc cctgcccagg 75000

cactctcacc atggagaagc gccactgtta tctgtgtctc ctgtcaagag ctgggccttc 75060

ttgctttagc attttatctg agggtccaag gtcctcatgc agacatgggc ggtctttctc 75120

ggttcacgcc ttacaagaga acgggaatta cggtaataga cttcccccag cctgaattct 75180

gcacttggct tttctcttct tgttaaagca aagcctggag ccttctgtct ccgcctggtg 75240

cagcccacag actgttcatg tatcccagtg cccatgggga cacccagggt ttttttgttt 75300

gtttgtttgt ttgtttttgg ccttaaccga tgcttgtaag ttcatctgtg actgtacagg 75360

caaggattcc tgcagggcaa agaccccagc agagggatct tgggttaagg aacatacgtg 75420

tttaaaattg atttttaatt tttcatttta ttttatttat gtatttggtg gttttttttg 75480

tttttgtttt gagatagagt ctcgctctgt cacccaggct gaagcgcagt ggcatgatct 75540

cagctcactg caacctccca ggttcaagcg attctcctgt ctcagcctcc tgagtagctg 75600

agattacagg catgcgccac cacacccagc aaatttttgt atttttagta aagacagggg 75660

tttcaccatg ttggccaggc tggtgtcgaa ctcctgacct taggtgatct gcccacctcg 75720

gcctcccaaa gtgctgggat tacaggcatg agccaccatg cccggacctc atgtatttgt 75780

tttttaaacg gggtctcgcc ttgttgccca ggctagagtg cagtggtgca atcccggctc 75840

accgcagcct caccacttgg gctcaggtga tcctcccacc acagcctccc gagtagctgg 75900

gaataataca ggtatgcgcc accatgccta gctaattttt gtatttttgt agagacaagg 75960

tctcactatg ttacctaggc tgatcttaaa ctcctgacct caagcaaacc gcctgcctga 76020

actttccaac tatgagatcg cagacgtgaa ccaccacgcc tggccttgtt tttttaattt 76080

ttatttattt tattttattc ttttgagaca aggtctcttg ttctgttgcc caggctggag 76140

tgcactggtg caatcacggc tcactgaagc ctggacctcc tgggctcaag caattcttct 76200

gcctcagcca cctgagtagc ctgatcctca ggcgtgcacc acagcacctg gctaattttt 76260

aaagtatttc tagagactgg atctcactat gttgcccagg ctgtctcaaa ctccttagct 76320

caagcgatcc tcctacctca gcttcccgaa gtgatgggat tacaggagtg caccaccatg 76380

cccagcccaa ctcccccttt ttataaggac accagttata ttggctatga gcacaccctg 76440

tgatattctc ttgactgatt acatctgcag tgaccctgtt tccaaataag agtacattcc 76500

gaggtacagg ggggcaggat tcaacccgaa ttccgcggga caccgaccag ccggtcacaa 76560

ttgtccagaa tgctctgatt gtgcagcgtg ggttgggcct gtaaatcacc tccagggccc 76620

ccaggaggct ggtgcccagg tgtgctttgt cccctgtggc tgagagcagg tccccagagt 76680

ctccatcctt gcctaaccct ccccctcccc ccgtcgccca gtctgttgtc tgtcattagt 76740

ttagtgctat gcctttgctg accttggtcc tggtttggtc cacaattcaa attctccatt 76800

ccaggctggg tgcagtggct catgcctgta atcccagcac tttgggaggc caaggcgggc 76860

ggatcacttg aggtcaggag attgagagac cagcctggcc aacatgccga aaccccattt 76920

ctcctaaaag cacaaaaatt agctgggcat ggtggcgggc acctgtattc ccagctactg 76980

gagaggctga ggcaggagaa tcacttgaac ccggcaggcg gaggttgcag taagctgaga 77040

ttgtcccatt gcgctccagc ttgggcgaca gagtgagact ccagctcaaa aaacaaaaaa 77100

caaaaaaaac aaattcccca ttccaggtga agcattaacc taggcctttg tgtgtctcct 77160

ggaaggaaat taaatgtgca cacccttac ttcatgtgag gaaagagatt ttggggatct 77220

gggcagcttg tgcttgcctc tcccagttgg ggtatgaagg agacccccct ttctttggca 77280

gcccagcctt ggtggccctg acagtggtca ccatttgagc agttcccctt taggagcaag 77340

tccccaggta cttcagtaga tcatgatttt tgggagggaa actgatgaag ggagacagcc 77400

cagtacccta aggagagcaa ttaggaatgc ttaggaaaac taaaacgtga acaagatcat 77460

cctacttttt tactattcac gatgccaata ggcaatgctg agagactctt tttaagggcc 77520

aggcccgttc taaggggcga cacatgttat taccactttt tgtccattag atgagcaatt 77580

gtttaccaac aaaaattttc tttctttttt ttcttctttt tttgagacag ggtcttactc 77640

tgtctcgccc aggctggagt gcagtggtgc gatctcggct cactgcagcc tccgccaccc 77700

agattcaagc ggttctcctg cctcagcctc ccgattaact gggactagaa acgtgcacca 77760

ccacacccag ctcgtttttg tatttttagt agagacgggg tttcgccatg ttgtccaggc 77820

taatctcaaa ctcctgggct caggtgatct gcctacctca gcctcccaaa gtgctgggat 77880

tataggtgtg agccaccgtg tccagtatat atatatattt tttaataaaa tgtggtctca 77940

ctgtgttgcc cagggtggtc tcgaactccc agactaaagc catcctctca cctcagcatc 78000

ctaaagtgct aatattgcag gcatgagcca ccgcacccgg ccaataaaac attttaactt 78060

gtgtgaaacc aggtgtcttt gcagaattac cattagtggc agcatttttt ctttttttgt 78120

gggcacacaa aataacagtg cattttagga tcagtgactt cttggaggta atgagatcta 78180

aaaacatctt cagtctccac gaaggaggta gatgttgtta ccctcaaccc attttgtaga 78240

tgaggaatcg gaggctcaga ggggcaaagt cctgtccaag gcctcacatc ccatcgatgg 78300

gtcaggacca accccagcag gctgggaggt ggcgggaacc tatggaagcc acctgaattg 78360

tggggaagtg gctacctttc cttcccagca tcctgtaaat caagttgagc ttcagggcag 78420

aggtgctgag ctttgacccc tgaacttcac tcctgtcttc tgcaaagtgg gaggaataag 78480

tgggccttct cagatcgaat gggtgaataa tcggaacagg cttagcttga gcctgactcg 78540

tagccagcat ttgccattgg gagctcttga atttggttta tttgtcttaa tatagacaga 78600

agacattttg ctgctgaaaa atggtaaaag aacagtaaac cctggcttga cttggaacat 78660

cattccagag tagtgtggaa acctccgttt tgatgcttgc tttttccttt tcctcatagg 78720

atggtccagc agtttggggt ggattttgag aagaggatcg agggctcagg agatcaggtg 78780

gacactctgg agctctccgg gggcgcccga atcaatcgca tcttccacga gcggttccca 78840

tttgagctgg tgaaggtagt gccccccggg gctgggccct cccgtctctg gtcaggcacc 78900

ctcctgctgg cctcaagcca ggcctcctcc caggcaataa ggtctcaagc tcctacctct 78960

aggcctgaac ttgtggtggg cagggtgtgg cctggatgag gtgtccccat gggcttcctt 79020

ttctgacact cagctttgag gttttgggca gaacaatatg aaaaccccctg tgtttttcct 79080

ctgacaaaag ccaatataca ttctttgcaa aatacataga aaatacagat aaatttacat 79140

gagaagatgt ccctagcatg tcattgaaga aggaaaaaat aggcattgga gccagcatgt 79200

gcaacatagc actgagctga tatatacaac atccttatgt atgaaactga acatggatgt 79260

ctgtctacaa gtgtttcttt gtatttgcaa ggatgtttgc aaaaatgtca gccctgggtg 79320

ctaggatttg ggacttcttt ttccgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtga 79380

tttgcttgaa gttttatact gtttacaatg agcacatagc atttttttatt aaaaaaacaa 79440

acagtttttt aaaatcagag gagcaagacc aaatgcagtg gctcacgcct ataatccgtg 79500

ggaggccaag ggggcctgat cacttgagcc caggagttca agaccagcct gggcaacatg 79560

gtgaaacccc atctctacta aaaatacaaa aattatccag gtgtggtggc atgtgcctgt 79620

agtcctagct acttgggaag ctgaggtagg agaatcactt gagcccagga ggcagaggat 79680

gcagcaatga gccaagatgg caccaccgca ctccagcctc agtgacagag ccagacccta 79740

tctcaaaaaa aaacaaaaaa aacaaaaaga aagaaaaaag aaaaagctgg gtgtggtggt 79800

gcatactgat agtctgaaaa atctaagttt acatgaattt atattcccac caatatgatg 79860

agagagttgg tgtcatgtca tgctttctga aactgggttt taattaatta atttgtttgt 79920

ttatttttat ttttttgag acagggtctt gctctttcac ccaggctgga gtgcagtggt 79980

gcaatcacag ctcactgcag cttcgacctt cctgggctcg gatgatcctc ccacctcagc 80040

ctcccgagta gctgggacta taggcgtgca ccagcccacc tggccaattt ttgtattttt 80100

agtagagatg gggtctcact atgttgccca ggctggtctc aaactcctgg gctcaagcca 80160

tctgcctgcc ttggcctccc aaagtgctga gattacaggt gtgagccact gtatctggcc 80220

agttttcaat tttttaaata aaattttgac gagttaaata ttctgccttg tgaatatagc 80280

cacacgtggg agagaacgtt ccccagatgc acgcctgcca cgggggcgcc ccgggtgcct 80340

ccatgcatgt gcttggtttg tctcttctca gatggagttt gacgagaagg acttacgacg 80400

ggagatcagc tatgccatta agaacatcca tggagtcagg caagttccac gaggagagtc 80460

accactgttc cttcctctcc gtggtgcgac cccccagcta attgggtcac ccacacctct 80520

gagtccctaa tcgttaggcc ttaagagggc tcttggatgg ttttctgtag ctgcgagccc 80580

ctccctgagg gtctccaagg gcacatgagg gtggatgtgt cttagtcctg cgtccattgc 80640

aggcttcagg gctgtctgca gctcctgatc aaatagggct tagttcctgc ccagtcggtt 80700

ggtgtgaacc tcatgctaaa ctaagaatgc tcactgcaga tttgcctggg gaggggcggg 80760

gcggcactga atcagggttt tgggaagcca gcatgagtcc ccatcatggc ttcctcgtga 80820

gcctcttggg tcccctcctt attctaacaa aggtagttgc tccaggtgtc tgcccttcca 80880

tcgccgtggg gtcctcgggt caccctgagg gtttccgggc agtggactca ggcatccgac 80940

cccacacatg acacaacctt cattccttgt tggggacccg gccagggcca atgaaattgc 81000

tgaccatgct ttgtttctct ctgacttatc tcccctgccc ccgggtctgg acggtttcag 81060

gaccgggctt ttcaccccgg acttggcatt cgaggccatt gtgaaaaagc aggtcgtcaa 81120

gctgaaagag ccctgtctga aatgtgtcga cctggttatc caggagctaa tcaatacagt 81180

taggcagtgt accagtaagg tattgctccc tcggcagggt gactcctgac cttgtggaaa 81240

cgggggtacg ggggtttggt atcaggctcc cagcgcctca ttggccccca ctggtgcctt 81300

ttctccccat atcgctttgt gtccgtgaac ttggcctctc cccagaggct ggggcaggag 81360

catgtaggcc tgggcccagg cacacagggg agtgccaggc ctcctggact ggccagacag 81420

atgcacagtt gtccctggga ccctgatacc aagcctagca tgtgtctgat gaaattgggg 81480

tttcactggg ctgttgcttt gctgcctcct gggaagcaga gagggacccc ccgcgtcaac 81540

tgctggaggc tgagctcctt gaagctccct ggctgtcacc ccttcttgac caatgcccgg 81600

cattctcaga cttccctgga gccaccgact tctctgtccc tcagctccgg gaatggcctg 81660

aatgccagcg acatcatgag agccagctgg ggtcctaagt gcccctgccc acccccctgca 81720

ccccacgctg tcccccaggg gcagcccatt tttggatcca cttagtcaca gtgcctctat 81780

gcgctctcga cgagccactg cctccactca gcaggacgcg ccgggctccc ccaacccgcg 81840

ccaacgccgc gggcctggtt cccagggcag cacgctttgg ccaagcagct gaaatgcctc 81900

ccagtgggca gtctgtgctt gcgcgaccac agtgtcccca gcgctccggg ttgccaggga 81960

atttctgctt gagcccctct gttcttagtc tggaaaagcc cacatttgct gcttaagctt 82020

cttcgattag aaaagggagg gggaaaacag tccaaacagg ttggaaaacg ctcgtcctag 82080

agccaggtgt catggacatg aatgttagag gactccgcac accttggctg tctgtctgtg 82140

caatgacaac cccccgtggc ccttctgtaa ctacacccca gaccgagccc acacccccaa 82200

accccagacc tctttgatcc gaagcagctt ccggggcaaa tgcgggcgca ggctccccca 82260

tgcatggact aatcagatga ctctcgtttc ttctcttctc tctgtctcct gtcctgcgtg 82320

tgtggcctgc actgtccctg ggtgtctttc tgcctcatcc tgccctccgc atgacccagg 82380

acggggctct tcacccccga catggccttt gaagccattg tgaaaaaaca gattgtaaaa 82440

ctcaaagagc cgagtttgaa gtgtgttgat ctcgtggtct cagagctggc cacggtcata 82500

aaaaagtgtg ccgagaaggt aacaggtttt gttctcatct ccgcatttgt ccccgtcctc 82560

cccctccatg tgttagtctc aacccgagca tctggaaaat tcagcctcgg caggaacccc 82620

cttccgccta ccagttgtca cttagagatg tcgccacctt gcattggcag atggaatggg 82680

gggagtggca tcacacgtgg gttgtggctg cccgtggggg cggtcagcct ttgttgttgc 82740

caaacgcatt gcatttacta agcagtgccc tttcctggaa cccctagaga aaggggtttc 82800

ccagccagca ccaaaacagc aaaacacagg aaacacatca tctgtatagc cctgcatgtt 82860

ctcacagtct aggccacctg agagtaacca ttccattttc cccgactcgt ggacttgacc 82920

cacactgcag aagatgggac tcccctgtgc atgaggtctg gttaagttgg tgctgcagat 82980

gaagcctggg gaggtggggg catttggcga gtgtgtgcca cagatacagt gatcaggagt 83040

ggttctctgc aaggagttcc tatcgaggct gatggcccag atacccgcct taccattcta 83100

gaacagacgc tactcactca cgctggcgag gcccttcagg gttcctgctc tcacccagtg 83160

ctgggcaaga ggggggtgcc ctgaagccct gcatggcaaa catgcccctg cttttctgct 83220

ttcatgttgc ctcctgcctc ctgccccccg gtcactggct ggaaaagcag ctctgctctc 83280

ctgctgtctc cggtccacgg tgcccccact cttctgctct tagctcccag ctggactcac 83340

tgggggccag gagcaaggtg tgggctcggt gggccccctc atatctcatt ccccaccccc 83400

ctccgcattt tctacctgtg tggttcatgt tgcttcccgt gccacgagga ccccgccaat 83460

gcgaccactc tgcttgttcc cccagctcag ttcctacccc cggttgcgag aggagacaga 83520

gcgaatcgtc accacttaca tccgggaacg ggaggggaga acgaaggacc aggtactggc 83580

cttttgtctt ctttattggg tataatttac atgcagtaaa tgtcaagtgt actgttctgt 83640

gcatgctgac agctgcatat ggcaaagtaa cccttacctc aatcaagata cagagcggtt 83700

ccgtcacctc ctaaaatccc tgtccctatc atgctgacag ctgcatatgg caaagtaacc 83760

cttacctcaa tcaagataca gagcggttcc gtcacctcct aaaaacccctg tccctatcat 83820

gctgacagct gcatatggca aagtaaccct tacctcaatc aagatacaga gcggttccgt 83880

cacctcctaa aatccctgtc cctatgcccc tttgtagtca acctctcaaa aacccacagg 83940

ccaggctggg tgtagtaact cacgcctgta atcccagcac ttagggaggc tcaggcagga 84000

ggattgcttg agcccaggag ttcgagacca acgtgggcaa catagcaaga ccttgtctct 84060

acgaaaacat aaaaaaatta gccaggcgtg gtggcgcatg cctgtggtcc cagttacttg 84120

ggagggtgag gtgggaggat cccttgagcc cacaagatca aggcttcagt aagttatggt 84180

cgtgccatcg ccctccagcc tgggagacag agcgagaccc cgtctcttaa aaaagaagca 84240

gcaaaggaaa tccccaggcc ctggccacca ccagcccgct ccctatccta cagtccttca 84300

agtggactcc cacaacgtaa ggcccattga ctcttgactc ccttcctgcc acccttcttc 84360

cctccctccc tcccctcggc gtctgcattt gggagccaag cgtgttgttt gttgtatctg 84420

tagtttgctg ccttgattac taagcaatct tccagggaat ggatggagca cagcaaggac 84480

ctccacttgc ctgctggagg gtgtttgggg tgctttttgt gttgtggttt tttgtttttt 84540

ttttttttt tgagacagag ttttgctctg tcgcccaggc tggggtgcag tggcacgatc 84600

ttgactcact gccacctcca cttcccaggt tcaagtgatt ctcatgcctc agcctccgaa 84660

gtagccagga ctacaggcac atgccacttt acccacctaa tttttgtatt tttagtagag 84720

agagattttc actatgttgg ccaggctggt cttgaactcc tgacctcagg tgatctgccc 84780

gccttggcct cccaaagtgc tgggattata ggggtgagct accacgccca gcctgctttt 84840

tctttttta acatttaacg ctttcttgca aaggcatgca agcacacacc ccaagttgct 84900

gcctaccct cagctgagac tgtcacccac gaagcactgg gccgtcctta tactctcctg 84960

cagccgcagc ctcagcctcc caagtagctg ggactatagg cgtgagctac cacgcctggc 85020

taatttttgt atttttagta gagatgaggt ttcgccatgt tggccaggct ggtcttgaac 85080

tccttagctc aaatgatcca cccacctcag cctcccaaag tgctgggatg acaggtgtga 85140

gccactgctc ccagatctgt tttgagtcac tttctctcag ttgtcctctg tgttcttttt 85200

acaactgttt gttgaaacca gagcttaatt aagcccttgc ttgctatgtc actttgttta 85260

aaatggtccc tctccccttg ccattgatgg ggatgaaatg ggctcatttg tcctgcaggg 85320

aggcgcccag ttttgatttg gccaattgct ccctcagggc accagtccac ctatgcctca 85380

tagctgctgt agcttggaaa ttgtatcaaa agtctggaag agtctgattc tttttgttgt 85440

tactgttggt aagaatgctg ccggcccttc cacagcccct ggtgcccacc tgccatgctg 85500

ccaggccgga tctgagagcg ctgggttgag gagactcagg ccttactaaa ccagccacgc 85560

tcgctcccac agatggagca ccctggcatt ttccagcagg cgacaggtcc gagtgccttg 85620

ccctacttta ttctcaggaa cttggaggtg cagtgagggg aagtgactgg ccaagggcca 85680

ggggagtcca gtgacgcgca tcccagcgcc tcctccccag cagcctggcc tgttataaat 85740

gggaatcaag ccagtgagct gcctggatcc atggttccca tagaccaact tcatcctggg 85800

caaaagacaa gaaggatgag ggagggagag tttcagcaag tgcagtggac tcataagccc 85860

tgctcctcac atgagacctt tctagcttga tagcttgagc gtgtgtgtgt gtgcgcgcgt 85920

gcacgtgcac gtgtgtgttt tattttagtg ttcataattg gacaaattag cttcgcagtt 85980

ttaatgcaac actttgaaca cgccaggcgc taaagacttt acaggctgga cacggtggct 86040

cacgcctgta gtcctagcac tttgggaggc caaggcaggt ggattgcctg agctcaggag 86100

ttcgagacca gcttgggcaa cacggtgaaa acccgtctct actaaaatac aaaaaattag 86160

ccaggtggtg tggcgtgcgc ctgtggtctc agctactcgg aagactgagg caggagaatt 86220

gcttgaaccc aggaggcaga ggttgcagtg agccgagatt acgccattgc acgccagcct 86280

gggtaacaca gtgagactct gtctcccaaa aaaaagaaaa agaaaaaaat acaaggcagt 86340

ggcttgcagt ggttcacacc tgtaatccca gcactttggg aggccaaggt aggaggatca 86400

cttgagccta ggagttcagg accagtctgg gcaacatagt gagaccccac ctctacaaaa 86460

aaagaaaaat cagccaggtg tggtggcaca tgcctgcgac cccagcatct tgggacgctg 86520

aggcaggggg ttgcttgagc ccaggagttt gaggctatga ttgttctact gcactccagc 86580

ctgggagaca gtaagttctt ttctcaaaaa aaaaaaaaaa aaaaagccag gcgcagtggc 86640

tcatgcttgt aatcccagca ctttgagagg ccgaggcggg cggatcatga ggtcaggatt 86700

tcgagaccag cctgaccaac tcagtgaaac cctgtatcta ctaaaaatac aaaaattagc 86760

tgggcgtggt ggcaggcacc tgtaatccca gctatttggg aggctgaggc aggagaatcg 86820

cttgaaccca ggaggcagag gttgcagtga gccaagattg tcccactgca ctccagcctg 86880

ggcgacagag caagactccg tctcgaagaa aaaaaaaaaa aaaacaaaaa aaacaactgc 86940

acattattaa acccttggca gttgggcctc ctgtcacccc attccacagc tcagtaacgt 87000

gaggcccagg gtcacacggc caattagtgg ctcaatcaag actccagacc ttggggacag 87060

cggccctgcc tgtgactggc acattgggct gcgtggctgt gctctgttgt cccaggctct 87120

gttgcctatg agggtgtggg gagtgcgacg ccagcccctg ttctcctgtc tgggaagcct 87180

cctggttccc acgccttccc tgctggcaag gccaggaaat gctcttgccg ctgccccccc 87240

ttgccaggct tggccttgta ctcacagtga cccccgctct cccccagatt cttctgctga 87300

tcgacattga gcagtcctac atcaacacga accatgagga cttcatcggg tttgccaagt 87360

aggtactttt agagactggc tggtcgggcg gcaccaatcc tcactctcag atccaaggag 87420

gtgactgagt tgggattctc tgagagggca ggtgtcagac agtctctgtc gggggtcctg 87480

gggtgaaggc agagccaact gagaatatct ggaagctctc ctgggctgat agtggtccac 87540

tgtccccaac caacacgcct tctgtgaggc atccccatgg ttagtttagg gagagggcag 87600

tgctatgttc agatctgcag ggagaggggg aagccagcca gctgctgcac cccctctcct 87660

tcaggacttc tcagagcctt tagcgaccag tgtgcagctt ttcccagact ctgccacttc 87720

atggacagca tctcatgggc tcagggctcc ggaagctgct ctttgggaaa tgctgcctgg 87780

ggtctcccta gcttcaaggc atacactgta gatttaaacc agaaccttcc gtggcaccca 87840

gatgagggcc cacatcgggg agccctgatt tcagcaggat gtcgattcag tgtgcgtggt 87900

ctcaggcatc acccgctgat tccttcagcc ccttggcatg cttaggcctc actcagattg 87960

ttggagaggc tcacgcaggc cttcctgcct gaggcaggcc gggtggtgcc gctggtatgc 88020

cctctcgctg ggccctgtga tagagcagtg ggcaaaccca cacccagctc cccaccctca 88080

gaggaagacc acatgcaggg aaccgatggg gacccagggc gttaaggtgt agtgtgctta 88140

gtgctgggcg gggccgtgca gggcttgtgg gtgtccagag ggcggccact gggccttgcc 88200

ttgaggggtc aggcaggctt cctaggggag ggcctctaga gccaaatctc aggctatgga 88260

gtcaccagat acaacattta tcggtgcacc tgacaaagct gattgaggat ctgttccgtg 88320

ctgggcacca ggtaggtgag gagaagggag gaaggaaaac gaaggaatga gggcctcatc 88380

agaacccctc ctagagatga gccgaagtcc ctgactgggc ctcccctgcc tgtgggtggc 88440

agcccccggc cctgtgctcc cggccgccgg gtgtgtgtgg gctcacagcg ctggtcccca 88500

tctttggttt gctgctgttt tcctcacctt gatgtctctg cttctcacac ttcatccaca 88560

gttccttctc acaatctctc ctgtttttcc tttgaccact ctttcctctg gattcctggg 88620

ccttcccact taccccagct gttactatac tgagcagctg gtgacctggt gggtattgcc 88680

tgctgtgtgc ctttgccctg gtgtgtgaac ggggtacgcc ctggctgggt ggccccagcc 88740

ctgggtggga catccctggg gcccgctgaa gagctacggg gtgctctctc agagccaggg 88800

ccagtgctgg gcctctgggc caggaccttg accgcaccag ctgtagcccc tgctgtttca 88860

gagcctgcag gctggggagg tggagtcctt aaacaaattg tcacaaggat gatgagagta 88920

ggaagagagg gtaggggata gactatggga aaggggagct gggaatgtgg cctggagaga 88980

tcttcctgaa gaagtcaggt gatgccaggg ggacccagag aattggaccc agggaaggaa 89040

ggctaccaga ccaggcaggt agaggtaaga gagccagcgg ccaggcccca tcgccaggag 89100

ggccctgcag gtccagggga ggattttgga ttttccccca agacaccagg atgcttctga 89160

ttagatccag gcccaggaga ggggccacct tgtgggctgc tatttgaggg agccctggca 89220

aggatgggag ccaggaggcc cttaggaaat agcacctctg gaacctcact gtcacccagc 89280

catcactgtg gaggttggct cagctcagtg ccacctcctt cagatgctgt tgatgaaaat 89340

ccttcttgtg cttgaatgtt ctgggcttcc cattgccctc caaatgtata ttataaacag 89400

ggcccaagcc tggcgcagtg gctcatgcct gtaatcccaa tactttgcag gaggccaagg 89460

tgggtcgatt gctggagccc aggagtttga gaccagcctg ggaaacatgg tgaaaccctg 89520

tctctacaaa aaatacaaaa attaactggg catggtggtg gtgcgtaatc tcagctactt 89580

aggaggctga ggtgggagaa tgacctgagc ccaggaagtc aaggctgtgc tgagccatga 89640

tcacaccagg gctctccagc ctgggtgaca gagtgagact ctgtctcaaa aataaataag 89700

taaataaata gcccagataa gaagccctat aataaactta ctgaatgttg ggaatatcac 89760

tggataaaat tctgcctttg ttcttagttt tccagccttt cctgatctag aaacagaagc 89820

ctactttctc ccttatccta cagccaactt ggactttaaa acaaaacccc cgaggtagtc 89880

agcaaaggaa ggtgaccaag ctgacttgct tttccatatt gttctgaaag tttcagccaa 89940

agcaataaga aaagacaaga aaatatgatg gataagtaac aggagatata tgttgtttgc 90000

aagtggtgat atgattgtca gagtagaaaa tatattagaa ccgtaaggtg gtggagtagg 90060

tgtccacata taaaatatag tgggatttgt ctatgccggc atgaactagc caggaagtag 90120

gatggataaa gaagaaaaga gatctgggat tgtggatgaa taaggaacct tatagaaaca 90180

caccctgtcg accttggatg tcctctaaat ttgggtcagg agtcatgcaa gatatgtgtc 90240

atttcatgac cagcagctgt cccacagtct gatgtctaag actggatggc tctgtggtta 90300

gagccactta caggctggtg ttgggatcaa atgatgagaa gagtaggaag aagggccagg 90360

tgcagtggct catgcctgta atgccagcac tttgggaggt ggagccaggc agatcccttg 90420

agtctaggaa tttaagacca gcctgggcaa cacagtgaaa cctcgtctct acaaaaaatc 90480

aaaaattagc tgagcatggt ggtatgcacc tgtggttcca gctactcggg agactgaggc 90540

aggggaacta cttgagcccg ggagggtcaa ggctgcagtg agctgtgatt gcgccactgc 90600

actcatctta ggcaacacct tctcacactt ccccttagaa actccgggat tctagtgaca 90660

tctggaagta acctgcgctt tagtaagtcg gctgagatga gggcctagaa gcctcaattg 90720

aaccagatac atttacttgt tccgtgtgcc caggccgttt cccttgcgca gctctgtgtg 90780

tgcagggggc ttctctctgc ctctacctgt ggctgctcac ttggtcccca gggagagaac 90840

ggccacattc gcctcttccc cttcttcccc cccggcatct tgtccacgtg aaccctgtct 90900

gttctttggt ttcagtgccc agcagaggag cacgcagctg aacaagaaga gagccatccc 90960

caatcaggta gcacacccct ctgcagtctc ccgctctacc ctgggggcgg gaggacgcta 91020

agtgacagct aagcccccgt gatggagctc ggcctgtgta aagccccacc ccacagcctc 91080

agtaccaggc catctgctct ctctagaggc cacttaggaa ttgataattc tgggagatgg 91140

cctgagagcc aacactctgg cagggcctag tgggcacatt ttacccaccc agaaggccct 91200

atgtgccatc caaggccagg gttagaactt gactcttggc tgggcacagt agctcacacc 91260

tgtaatccca gcattttggg aggccgaggt gggaggatca cttgaggcta agagtttgag 91320

accagcctgg gcaacataga aagactctgt ctctacaaat aataatattt aaaaattacc 91380

tgggagtggt gggctcatgc ctatcacccc agctacttag gaggccaagg tgggagggtc 91440

acttgagccc agcagttcat gaccatccgg ggcaatacaa tgagacctca tcttaaaaat 91500

taataatagg ctgggcacga tagctcacac ctgtaattct agcatgttag gaggctgagg 91560

cgggcggatt gcctgagctc aggagtttga gaccagcctg gctaacatgg caaaaacccc 91620

atctctacta aaaatacaaa aaattaacca ggcgtggtgg cacgcgcctg taatcccagc 91680

tactcaggag gctgaggcag gaggattgct tgaaccttgg aggcggaggt tgcagtgagc 91740

caagattgcg ccaccgcact ccagtgtggg tgacagggcc agactctgtc tccaaaaata 91800

ataataataa agatataaat aagaattttt cccttgagcg ggggtctgtg acctctttga 91860

gctttccaac acagccccag ggattgggag cccctaggtg agagccgctg gaaactacat 91920

tgtcactagc agctcagggg agcttgggat agttgaagcc ccacacctgg agaagccctg 91980

agccacaaag ggttgtacct tgacatctta acccagctag aggccttgtg aaatatgaac 92040

ggctgtatca atgcctgcct tcagtacctt attattatta ttattatttt gacacagagt 92100

ctcgcattgt cacctgggct gcagtgcagt ggcgcaatct tggctcactg caacctctgc 92160

ctcccaggtt caagcgattc tcctggttca gcctcctcag tagctgggat tacaggtgct 92220

caccacaaca ccaggctaat ttttttttat ttttttcttg agatggagcc ttgctctgtg 92280

tcccagctgg agtgcagtgg cacgatttca gctcactgca acctccacct cccgggttca 92340

agcaattctc tgcctcagcc tcctgagtag ctgggattac aggcgcccgc cagcacgccc 92400

agctaatttt tttgtatttt tagtagagag ggggtttcac catcttggcc aggctggtct 92460

caaactcctg acctggtgat ccacccgcct cggcctccca aagtgctgga attacaagcg 92520

tgagccatca cgtccagcct tttttttttt ttttttttct ttttttgaga cagagtctca 92580

ctctgccacc aaggctggag tgcagtggcg cggtctcagc tcaccacaac ctccgcctcc 92640

tagcttcgtg tgattctcct gcctcagcct tctgagtagc gacgattaca ggagcctgcc 92700

accacccctg actaatttct gtatttttag tagagacagg gtttcaccat gttggccagg 92760

ctggtctcga actcctgacc ccaggtgatc cacccgcctc gcccggacaa agtgctggga 92820

ttatcatgcc agcctttatc attaattttt aagaaaacct ggacgggcac ggtggctcac 92880

acctgtagtc ctagcacttt gggaggccga ggcgggcgga tcacctgagg tcaagagtta 92940

gagaacagcc tggccaacat ggtgaaaccc cgtctctact aaaatacaaa aaattagcct 93000

ggcatgatgg tgggtgccta taattccacc tactcgggag gttgagacag gagaatcact 93060

tgaacccagg agatggtggt tgtggtgagc caggatcaca ccactgcact ctggcctggg 93120

cggctgagcg agactccata tcaggaaaaa aaaaaagaaa gaaagaaaag gaaaccataa 93180

tcttcgcaaa atttctgcct atgtccctcc cttctcccca ttgggcaggg gtgggggcgg 93240

ggactccacc atgtaccttg cacgatcata gagcctactg gaaggaagaa cgtaaccatt 93300

gcatgattta tttttgcgct tgccgtaggt aatacatatg ttgttgcttt tttgtttctt 93360

gagataataa tgaattaaat attaacacca tgaatatgat taatagcatg taatttttt 93420

tcttttgctg ttttttcccc tgctcttctc ttctcctgtt tttgtgcttt tcctgctttt 93480

tctttgtccc cttcacgtcc cttccatctc ttttcctttg cctgctcttc cctgatttac 93540

ccacaaccct aactttgcat attcaaaggg ggagatcctg gtaagtacat gcttagtgtg 93600

gtagcaaaca ttagagaatc tagtggtgat ggagaccccg cccaccccta atattccctg 93660

ttccccatcc cctccaaata acaaaaatac taaaaatcga gctaacctgg aaaccccatg 93720

ccgcagccgg cgctggactg cacgttgccc tgggtataag tcgactcaca caggcactaa 93780

ctggaccgcc acccttgaag gcgcacttct gcagccagtt cctggcaggt tttcctggtt 93840

tcctgtaggt cagggatggc aaatacttac acaccgcccc tgcctcccct cacatccctg 93900

gctgtggaag atctcgctta agccagacca gaattcattc ttggcactgc ccctcctcct 93960

tctatctcct atgcagatgt cactcatgga tcagagcata tttttccaca tggcagaaat 94020

cttgccctct tgtgcccatg gcagacatgg ctagttgatc tagcactctt tgccttgtgc 94080

cgctcctcta gcacacgccc atggcagaca ttgctaagca atcctagcat tctttccaaa 94140

taagcttgcc agcactcctg ttctatagca gatgtggcta agtgattaag gtattgtttt 94200

tctccctata tgataccctc ttctctatgc atggcaggca tgactagtca atcaggagcc 94260

tctttcctag atgctgcctc ttgtcctcca gataaattga tgaggctctt ctgttccact 94320

taccctttct cctatccttg gcctgtgaca ggcaacacta attgatccta gcaccgtttc 94380

ctgccacgcc cagaattctc accacagtgc ttcaggtatc ttgtaccagt cgattgacat 94440

ggctcccgag atgaatcata tttgctgtcc atccctgctg tgggtaacac ctccttcctt 94500

tgtgcagaac cctcagctgg ggcccagtgt ggggcgtgag atgggcgtga ggcccagtcc 94560

agcccagccc agcgggaagc agcctgctac tcatagctga gaactgaacc cagctcaagg 94620

agctcacctc taggcagccg gcctcagccc ggctcttaca cttggacagc acagcctggg 94680

cctccagtcc tagcaggggc tccctttgc tggacattct cccactgcca gccaccaagg 94740

cgctggtcat ccctgccact gccctctggc ggggctcttc tggcaatccc agggtctttc 94800

ttgtagctga gccgatccta tgccagggcc tcgctgctcc cagggcctgg gtgtgcagat 94860

agggccatgg gtggggcagt gacgggagga attagttggc ctcgggcttg tggttttcag 94920

gttcctcatg tgttcccccc agtccctttg aatttgccag gccaagacca ggaacctgct 94980

tctcccttgt accccaagag gtttaggggt tcctcttttc ctaccagagg ccacatagcc 95040

cagccccgtc atgagcgtgg ccgtggcctc tgggtctccc atctgtggtt cccatctcta 95100

cccgggagac tcaggccagg accctcaccc aggaaagaga ctggagcagc ctgccagagg 95160

atccctgctt tgccgccccc tgcctgccct gccacccata ccgccccatg tgcctgcctg 95220

cctgtcactg tgcaccctag cccgcaacgg cctgccgcct cttctgtctc tcccacccct 95280

acttccttct aagcccagtc ccattgggat gtgtcccttg gatgcaaacc tgactttctg 95340

ctgaggcctg gctgctccct ttctctggct cacaagtggt ggatggctaa cgggcctttg 95400

tttgccaccc acagcttgca gctccctagg gtgggatttt gtctctgaac ccgtgtggag 95460

aagggcacct cagggcttct gccagacgtc ctgccccaag gcttggtgtg ccatccccag 95520

catggccccg atcagtgccc tggccctgtg gccatgcacc ccaaagtgta gcgtgggccc 95580

tgtgctccag ctctgaccaa cactaacccc ggctggaggc aggagagcca ggccaccgag 95640

gggtgtgcgg gcacatccct ctccttagaa accgggccag gcctaggagt atggaggcct 95700

cacatttctc tgggggagca ccgacagcct gtctccctgt tttccctcac ctggttgtca 95760

ttcagtcatg gaaccagggt ctactaagca ctcgttctgt gcccagctct gggctgagac 95820

aaggcagtgc ccccaccccg ctccccccgg gtgaatggag gcattcccag actgccagac 95880

ctttggtgct aacaccagga cgtcctggac agaccaggaa gagctcgtca ctgcgttccc 95940

agaggggatg ctgtgacctc acaggggctg ctggcctcag ccccctcacc caccaccagg 96000

cagcccgtga atggccagat gccaggggtc actgcctgct ccaaacaact gtgagagtcc 96060

tgtctgctca tcccagggag ggataagtct gtacccttgg ccttaacaag gggcgcccgg 96120

tggcatctca tgctgtcccc agcctgggca gtgacttctg catggtccag gggtccctgg 96180

gtactcttta gccacctccg tcttcatggc cacctggggc ttagcactca catccagcca 96240

ccaaggagcc gctggagctg tgggctggtg gccctggttc agaatgtcag gcccggggtg 96300

ggtcggggta gtccggatga agcccctcca gaggaccgcc cccgactagg acagcatctg 96360

ggccccagag ggattcctgg aggccccatc tctggcgctc ctgccgtgcc gtgccctgcc 96420

atgccctgca ctgggggatg caggccagcc cttcgcagct gtccatggcc atgctcagcc 96480

cacccctttgt agcttggcca agtctgtcag tgcctgggtc ccaggccgcc ctgtgcgtgc 96540

ctccgtgtgc ttcctgcagc tcccagggcc ctcgtcctga gtggggtggg gggctctgcc 96600

cacacatgcc tccagcggcc agggagcatg ggagcacagc ccccaggctg cctgccgtta 96660

gttgtcaggt gagtccctgc gcaggcctgg gttctgaccc ccacgcagat gacagctaca 96720

gccacacaat ccccatccat ggggtctccc agcctgaaac cctgatgtgt cagtcaaaag 96780

gatgaccacc aggcttgcag ccagcttggg acatgagccg cgctccttca atgtccttgg 96840

ggagggcccc tgggctcaca cctttgaccc tagccctctg tgtggatgct acccttggaa 96900

ccttatctca cgcaaacaag tgcagttcct cagatgtcac atttcatgtg ccacagcccc 96960

acacacaagc cccagggact cctcccatgg gccccttcc atcaggcctc tgtgagtcta 97020

taccccatca gcccctggcc cagtgagtct gtctgtccgc ccacctgccc aggtggcgcc 97080

tcatgttggt ttcctgctgg aaatgcttgg gacagggtgg aactgggttt cctgggcttt 97140

ggggctggag gtgtctctat tgcggtccct ggcttcccac tgagctgtgg gcaaggctgc 97200

tgcgctgggg gatggctggg gcacggagcg aggttccctg ctaagctgcg cgctttcccc 97260

caggtgatcc gcaggggctg gctgaccatc aacaacatca gcctgatgaa aggcggctcc 97320

aaggagtact ggtttgtgct gactgccgag tcactgtcct ggtacaagga tgaggaggtg 97380

agtggcaggc gggagcaggg ctgctggggt aggtggggca gccagggaag agcgggtggg 97440

cgctccctct gggcagaact cagtcactgc gccactctgc cctgagtcac cattaggact 97500

gtaactcgcc gggcacggtg gctcccgcct gtaatcccag cactttggga gggcgaggca 97560

ggtagatcac gaggtcggga gtttgagacc agcctggcca acatgatgaa accccgtctc 97620

tactaaaatt gcaaaaatta gccaggagtg gtggcacgcg cctgtaatcc cagctactca 97680

ggaggctgag gcaggagaat cgtttgaacc cgggaggcgg aggttgcagt gagccgagat 97740

tgcgccactg cactccagcc tgggcgagag agcgagactc catctcaaaa taaacaaaca 97800

aacaaacaaa aaacaaccgt aacccagggc tggagagcag ccaccatgtg ccaaaaggct 97860

tacattgtac ctggccccca tgggaccagc tcctagagtg caaaagggag atggagggtg 97920

atggagtcac tagcaggcta gaaacaggcc ctgacctcca gtgccactgt gactgccccg 97980

tgctcaagag aaggggccat gcccaagggt caggggctca ggcatgcagc cagcctccag 98040

gggcaccggg gttccatcac ttacacctca gtcaggcccc ttgcctctct gggcctcagt 98100

ttttctatct gcgaagtggt ctaggatggt ccctgcccac tgtgcggtgc ttggccacag 98160

tgtgcagaac gatccccaca tgctcgtcat tatgggaagg aagtggagag gcccctgggt 98220

gatgactgca gggagcagtg ttgagtgctg agtcatggga gggactcgtt cactgcgagt 98280

gaggggggcag gccttgagca aggatactgc caaccggcct ctgctctcca tgctgaccca 98340

gcatccctcc tgatggtcct atgtagaaaa agatacataa tgtttgacat atttatgggg 98400

tccctgtgat gttttattag atgtacagag tatgtaatga tcacggcaga gtgtttgtgg 98460

tgtctgtcac tttggtattc ctcattttcc tgtgttcaga acagttcagg tcctctcttc 98520

tgactacttt gaaatacaca aggctgggca cggtgcctca ggcctataat cccagcactt 98580

tgggaggctg aggtgggagg atggcctgag ttcaggggtt caagaccagt ttgagcaaca 98640

tagcattacc ctgtgtctat taaaacccaa aaaaaattag ctgggcatgg tggtgcatac 98700

ctgtagtccc agctactcag gaggctgagg tgggagggtc acttgagccc aggagatgga 98760

ggctgtggtg agctatgatc acaccactgc actccagcct gggccacaga gcaagacact 98820

gtctcaaaaa aaaaaaaaaa gaagaagaag aagaaataga caatacgttg ttgcattgtt 98880

ggctgggcac agtggctcat gcctgtaatc ttagcactct gggaggctga ggtgggtgga 98940

tcacctgggg tcaggtattc aagaccagcc tggccaaacg gtgaagcccc ttctctacta 99000

aaaatgcaaa aattagccag gtgtggtggc gcacgcttgt aatcctagtt acttgggggg 99060

ctgaggcagg agaatcaccg gaacctggga ggtggaggtg gagtttgcag ggagccgaga 99120

tggtgccact gaactccagc ctgggcgaca gagtgagaga ctccctctca aaaataaaaa 99180

caggctgggc gcagtggctc acgccattaa tcccagcact ttgggaggcc aaggcagaca 99240

gatcacttga ggtcgggagt tcgagaccag cctgaccaac atggagaaac cccgtctcta 99300

ctaaaaatac aaaattaatc tggcgtggtg gcgcatacct gtaatcccag ctactcagga 99360

ggctgaggtg ggagaatcgc ttgaacctgg gaagcagagg ttgcggtgag ccaaaattgc 99420

gccattgcac tccagcctgg gcaacaagag tgaaagtgtg tctcaaagaa aaaaaaacac 99480

cagacaattg ttgttaacta tagtcttaac tgcagtcacc ctactcttct gttgaacaat 99540

agaagttaat gccttttctc taactgtatg tttgtaccca ttaaccccac ctctctttac 99600

cccctacttg tccccacctt tcccagcctc tagtatttat ccttctactc tccacctctg 99660

tgagatccgc tcttctacct tttatttttt tagctcccac gtatgagtga caacatgcaa 99720

gatctgtctt tttgtgcctg gcttatttca cttaacataa tgacctccag ttccattcat 99780

gttgctgcaa atgacaggat ctcattcttt tctatggccc tgatcaaccc gtttcttgct 99840

taattctctt gacgtaacca tggcttagtg gcctggaagg gaagccactt ctgtgtgata 99900

gcttgttgct actctgatgc ggtccaggtt ggctttcaag agtccctggc aaagagagct 99960

gtgtttttct cattgtcctg gttgctctgg gagaagactg caggctgtcc tgtgagccat 100020

ggctgtgtta tgtgggcaat ggatttgcgt ctgtaacaga ggcccaaaat gaaggctctt 100080

aaagagatga agtctgtttc ttgctcacgt ctcagtgagc ttggtgaccc tgtgctgcaa 100140

ggctgtccag ggcctggctc cgcgtctcct gttgccacct taacacaggg ctcccttcat 100200

agtttaaaat ggctgcccca tacccatcac catgtagcct ctagcagccc aagaagggaa 100260

agaagggcct ctgtgtgtgg gaactgtgag tccagctaac agttctagca ctttctaaga 100320

aggaagtgga tattggttgt ttctgagcgt gacagctggg gcttgacacc cggaagtcac 100380

caggatattg gttgggtggt gtcaaccctt cgtgtctcgt ctccccacct ataaagtcag 100440

gactctggcc tgtcccctct ggactgcggg aaccagtggg ggaattctgg tacttgagcc 100500

caggactgtg cctggctcac tgcatgtgtc ccaggttttg tcctggtaac taccagcatc 100560

aagtcctccc agctcctctc tgtaggaggg aacctaccca cctaccccca gtgcacagag 100620

gaggagctgg aggctgtgtc aggtgcaggg ccagctggcc agtccccatg gtccctggga 100680

tggcacagcc accaactcag tccaggcaac ctcagtggag aggctggggt tgcctgaggc 100740

ccctggagcc gccctgcctg gctctcttcc ccttgggttt gggggaatgc tctgtaggag 100800

tgcccccccac tggggacttg ctggcaccca acccagcccc aggataggca ggactgggct 100860

tggaagtccc agacttagag agaaggcagg ctgggggggcc ccggctggcc ccagggagaa 100920

gcaaagagag gcgggcctct tggctatgga cccctgctct gtgctgggct cattggctaa 100980

gagagcccac tgaggccaca cctgaggaga accctactcc ccgtgaggaa accctcacgc 101040

ttgctattcg ggtggctctg tggtcacccc catctaaggc tctgagcggt gacttgcccc 101100

acatcatgga gcgggggagg gtccccctgg ggtggaggct tccccagtgc acgtctgcgg 101160

gcccatgctc cctgacctga gggacacccc agcccgacat ccgaacacct ccgctgcagc 101220

ccaggcctga tgtccccttg actgaggaca ttgggggtga aaggatcatc ccgctccaca 101280

tgaggccaga cgctcatctc tggaatgttc ctgaaacctc aggagccctg aggcttctgc 101340

gggactctgg ggcgctgttt ctaaacccag ggtggtggag tctgctgagc caccatacaa 101400

gcatttctgg ggtccctgtg gaagcttcca gaacctcaga tccagcgaac ctcatggggt 101460

tgggatgtgg gaggagtgtg gagccaggcg tggtctgcag ccttctcccc gcctcaggca 101520

cctctaggaa ctcacgtgtc cagatcggat ggctcctcaa aatggctggg gtggggtagg 101580

gtgccctttc tctttttctc ccctctttcc gccttgcagt gagaaaccag cctgcgctgt 101640

ggtgtgtggg ctgtcaggcc ggctgagagc tggtgccctg cctttcagtt cagggctgtg 101700

gggaccttcc agggtcccct gggtgggaat gccaggcctg gggcagcgag ccttggagga 101760

gcctctgggc ctgaacctca gcctggcagc tctctgcctg gcagcattgc aagtctagtt 101820

ttcagatctc ctcttccttc acgtgagggg cccttcgtgt ttttctcatc tgagagttga 101880

aagccagagc ccccgaccct cccgtggagc cccacactgg agtctggagc agcagtggga 101940

gaagggccgg gcgccggccg taatgagaaa cagccgacct gtgaaagggg ccctgtgtga 102000

gccccagaca caaagcaggc tccattcagg agggggcagc catggaacct gacccccgcc 102060

accacccaag ttaggatccc agcagggacc cttggagtca cacacgtggc agccacccct 102120

gaggaggagg ccaccctctt agatgcctca gtgagacaca agacatcaat atctctttat 102180

ttaaaaaata aacaagacat ttacagccat ggggtgggga tggcagactg atagggccag 102240

ggcctccaac ccctcggccg gcctcggggc tccctctgcc tttccccagt gcctcttctc 102300

ccacccaggc cctcgaatct tctatgcgag gctctgccac agtgggaaac ggggtggtgg 102360

aaaatgacac tcacctgccg gcgagtttgg ggggcctgtc tcgacgagcc gctcacccaa 102420

gcccagccta accaatgtgc agactactgt acacattgag agcctcctga acaggtagtc 102480

tgaacactgg gttggcgggg ccggctatcc atcctgcaga acccccccagg cagacgctgg 102540

ggccaccagg ccaggccgtg cctcagcacc tctgagcagc caaggaaacc accactcttc 102600

ccgagacgat ccgctctgtc ccttctgacg tggcaaggct ggggccggct cgcatctgga 102660

gaaagttctg ggttttcagg aaatcctaaa gagtgggggga ggcggagcag gaggcagggt 102720

ttgggatcgt ggcttctggg ctcaggagga atgtctgact ctttgggggt cgggggtggg 102780

gaggaggggc gcacacacac gtgtgtgtgt gtgtgtgcgc gcgcgcgcac gcgtgcgtgc 102840

cggcagcacc aggaaggcgg ccactgattt ctcggcggaa tcgcactgta aacagttcca 102900

gatgtggcat tagctggaat ggcctgtgac tcagttactt ggccctgctg gctggaagct 102960

tccggccgcg tgatatgata gggtcagggc agcaaaggcc cttgggcaaa cgtccgagcc 103020

gggggcaggg cttctgcaga gccccctccc ctagcccctt ctaaagcccc caaaactctt 103080

ccccgaaagg tgggagggac ccaggccctg tgttacccag ccttgcctgg gatgacgggt 103140

gcaggctttc ttcatcacct tccctccctt gggtccgcag cggcatccct ccctccatgg 103200

ccaccgggcc cctctcctat gctctgctcc ctccatggcc accgggcccc tctcctatgc 103260

tctgctccct ccatggccac cgggcccctc ttcctatgct ctgccctact tctttgccta 103320

gagcctggca ggctaatcct ggagccgctc acaagagcaa ccaaagaaaa tcccgggtgc 103380

tcatgggcac cagctctgca gtgggcacca agctcctcca tcctccttgg atagatgagg 103440

aaactgagat gaaatgggag gtggcgggga agtggcttgc ccgagggcac acggccagga 103500

aagggcaggg ctggcatcac ctcaaccatg ctgagctcct aacgccctga ggctgagccc 103560

atgtgccaag cccactgctt catcctggct ccccttgcaa agtcctgaca gtcccagctg 103620

gcccccactt gccagggagc ccccgctgcc ttctccacag tcactgtggc tgctcctgaa 103680

cttggaggcg gcagccaggt taggctttgt gctggggcag cgcagtgagg ggacatgaga 103740

ggagtttcca gagacggccc agggagaaga agggccaggg gcactgtggg gaggactggg 103800

ctttgggtca cagagacctg gcctctgaag tcctgctgtg gcttgcgctg cctgccgtgt 103860

ggccttcggc agccagcttc cctctctgag ctaggaggga tccgtgaact gagaccaagc 103920

agtgcatggc atgggtcccc aagagctgct gctgtggcgg gtgggcacac acatcactgg 103980

gtgagtgtgg gactccaggg tgccaccccc agctccgtga ctcgccagcc ccttgccccc 104040

ggccgagggg cccacctctg agctgcctcc ctagcagtct ggacagccgt ggctggcact 104100

tggtgcttcc tgaacagggc caaccttaga aagcaagtga tagggcaggt gcggtggtgc 104160

acacctgtaa tcccagcact ctgggaggct cgcttgaacc caggagttta agaccagcct 104220

gggcaacata gcgagacccc atctctatta aaataatgat aatgataata ataaagaaag 104280

ggagtaaggc ttctgcagca cctggcccag gacctatcca gccccaagat gtcctaaagc 104340

ggccaaggtt gaaatcccag ccctgctcct ctctgcctca gtcttcccct ctgtaaaatg 104400

gcatcacaga ggtaactcac tcctaggctc gtttcaaaga tggagcccag ataaaagttc 104460

cattcacttc gtgcaaggcg aggggcagtt gtgttgtgcg tgccgtcagc cacatgtcag 104520

cagtgaactc aacaggagtc cctgccctgg agaaacttga gtcagtccag tggcagtcag 104580

ccacctaggt caataagcac aggcagtcag gcacctaggt caacaagcgc aggatacgtg 104640

acgtgttgtg tgagggaaaa ggaggatgga ggtggggagg gtgcgggtag agttagggca 104700

ggagggagcc atgcaagtgt caggatcagg cagtagcccg gtcgtccgaa ggccctgggg 104760

taggaaccca ggtgggatac tcagggagca tcatggaggg cagcgtggct gggacagagt 104820

gacggacggg gaagggccgg cagatgggct catatacagc agcgaccagc attgagaagc 104880

ccccggggct ggtggtggcg catgctacac gctctggcct ggggcatcct gagttgtcac 104940

gtggaccgct cagggtgact cttttccctc caccctcagg agaaagagaa gaagtacatg 105000

ctgcctctgg acaacctcaa gatccgtgat gtggagaagg gcttcatgtc caacaagcac 105060

gtcttcgcca tcttcaacac ggagcagagg tgaggggccc aggggcctgg ggatggctcg 105120

gggtgaagac caatggcctc attcacactc cacaaccttc actgagcact gagcacctgg 105180

ctgtcagcag tccctgccct tgggacccag cttttagaaa ggggagtcac gtgagaaata 105240

gcaaatgcca gggatgcttc ccgtgctggg tcagagatga cctctctggg cagagatgag 105300

gatgaaggca ggctccgagt cagtgggagc catggagagt tctgagcaca gggtgaccag 105360

gacctggctc aggtgcttgc aggagccctc tggtggctga gagggaaaca gtatgagagg 105420

gtgagagatg ggggacgagg gcaaaggccg ctgccttgtc caagtgggcg atgatggggc 105480

cagaacccat agggaaggag ggtgcagatt ctgggtagaa gagtcaggcg gagccctggt 105540

gggcatggat atgagagaga aaggcaccaa ttgtgaccct gagtacgtgg gcctgagctc 105600

ctgcactgcc cagctgctgc cattggccga ggtggggaag gcagcggcag gtaggcctgg 105660

agacagccaa gagctccatt taggccatgc caagggagag ggtgcatcag ggaggcacct 105720

gggtagatcg aggagtgtga tgtccaggaa cgagctccag tctgggatgt gaactgggca 105780

gtcaccattg cgtggatggt atttcaagga acgaaaccag atgagctccc aggagagtga 105840

agctggagaa tgggaggccc caggaagctc acagtacatc tgtcccatga ggcgtagctg 105900

gagactttag cagagacact gctctcagga agaaacccag ctggcaggag ggctcttccc 105960

atgctcacac aatcacgctc atccaggaag cagggcccac ctgagtcagg gattagctgt 106020

cagtaaaggc ccggtggtac cctgagacct gtaggcaggc actgacgtcc tccctgctgg 106080

ccccagaacc tccttgccta ctgcttggct acacccacca actccagctg agtctcctgg 106140

ttccctcctg ctttgctctg gctggcctaa agctcgagac ccatttgtcc accagctggc 106200

cgtgaaaacc ttcatagctc ttctaggctt gcccctggcc atatgacacc tggcagctgt 106260

cccaggtccc tgagccgtgt gcctcctgta cagggagggt gacaatatta tctgatatat 106320

cttttaagag caggttcagg aaacccagag tagtagctgc aaaaacaaga taagatggtt 106380

gatagttttt tgtgtaaatt aagtccagac tttagtatcc cgggcaaagt ggagcagctc 106440

cacaggcatc agggtccagg ccctgcatgt tcctcaggat tccacctgat atgcagaagc 106500

cgagctctgc ggtgggacag gcctgccatg aaatcctgac ttttttttta aacggagttc 106560

cgctgttgtt gcccaggcta gagtgcaatg gtgcgatctc agctcaccgc aacctctgcc 106620

tcctgggttc aagcgattct cctgcctcag cctcccaagt agctggaatt acaggcatgc 106680

accaccacgc ctggctaatt ttttattttt agtagagacg gggtttctcc atattggtca 106740

ggctgggctc gaactcccaa cctcaggtga tccacccacc tcggcctccc aaagtgctgg 106800

gattacaggt gtgagctact gcacctggcc caaaaccccg acttctactt ctttgtccaa 106860

aatggctgcc cagactccag ccattgtgat gatgtcccag gcagcagcag gaaggagagg 106920

aggagctaca agggcatgcc tctccccaca caacctcatc cagaggtcgt tcggggcagc 106980

cacttgctga ccacaaaccc aactctcact taaaggcttt gtgggcagct tggctgtctt 107040

aaccacacct ggatgtggga caggaaaatg tgcgtggcat gtggcacggg gcctggcctg 107100

tagaccacca tctgcaagca ctgtttagca tccattccat ttatctccca gctttgagac 107160

cctggttctt ttttcttttt ctttttcttt ttttttttt tttgagatgg agtcttcctc 107220

tgtcacccac ccaggctgga gtgcagtggc atgatctcag ctcattgtag cctccacctc 107280

ccatgctcaa gtgatcctcc cgcctcggcc tcccgagtag ctgggactac aggcgcacac 107340

caccatgccc agctaatttt tgtattttct gtagagatgg gggtgttgct gtgttgctca 107400

ggctggtctc caactcctga gctcaagcaa tccccctgtc tcagcctccc aaagtgcagg 107460

aattacaggt atgagccacc atgcctaaac tttacaaaaa ttttttttgtt ttgttttgat 107520

acatagtctc actctgtcgc ccaggctgga gacagtggca caatcttggc tcactgcaac 107580

ttccacctcc caggtttaag cgattctcct gcctcagcct cccgagtagc tgggattaca 107640

ggcatgcagt accactccca gctaattttt tgtattttag tattgacggg gtttcaccat 107700

gttggccagg ctggtctcaa actcctgacc tcagttgatc ctcctgcctc agcttcccaa 107760

agtgttggga ttacaggcgt gagccactgt gcccagccaa aacttttttt ataaaaaaca 107820

cacaggccgg gcacgggggc tcacgcctgt aatcccagca ctttgggagg ccgaggcagg 107880

taggtcacga ggtcagaaga tcgagatcat cctggcgaac acggtgaaac cccgtctcta 107940

ctaaaaatgc aaaaaattag ctggggtggt ggcaggtgcc tgtagtccca gctactcggg 108000

aggctgaggc aggagaatgg tgtgaacccg ggaggcggag cttgcagtga gccaagatcg 108060

cgccactgca ctccagcctg ggcgacagag caagactctg tctcaaaaac aaaacaaaac 108120

acattcgggc acagtggctc acacctgtaa tctcagaact ttgggaagcc gaggtgggcg 108180

gatcagctga ggtcaggagt tcgagaccag cctgaccaac atggagaaac cccatctcta 108240

ctaaaaatac taaaattagc caggtgtggt ggcgcatgcc tgtaatccca gctactcggg 108300

aggctgaggc aggagaatcg cttgaacccg aaaggtggag gttgcggtga gccgagattg 108360

cgccattgca ctccagcctg gacaacaaaa gcgaaactcc gtctcaaaaa aaaaaaataa 108420

ataataataa taataataaa gttctggtgg acagtgctgc tctgggcttt cctgaaaatg 108480

ccccagtggg agcttcccag ccacagttgg tgtcgagggt cacatgccca cctctggggg 108540

cccaggaaaa gagaagagtc agctgatcca acagaaacaa agaaactcag acacttgccg 108600

agcttgtgca cagcgctctt ctgtgtaggc gtcactcacg gtgacccctc agcatgacca 108660

ggtgaagcct gggttgggtt tgggttcctg atcagtcaga aagaccccta gagcccattc 108720

ctctcggcag tctgccagac ccatggcagg gtcaagcttg tgcccctcct tccccacccc 108780

cccgcagaaa cgtctacaag gacctgcggc agatcgagct ggcctgtgac tcccaggaag 108840

acgtggacag ctggaaggcc tcgttcctcc gagctggcgt ctaccccgag aaggaccagg 108900

tgaggagccg tcctgcgcag ccaggcccag agcccccacc tgggagagga agcagggctg 108960

gctttcccca ggacaggtca ttttcaggcc atgttagcca ggagtctctg aaatcatgta 109020

gcagatgccc acttgagcaa gcaaaggaga aattgggggt actttgtcat cagggcccag 109080

aaagttccct cacggaagcc agtgaccggg gcacacaggg gatggggtcc cacttgcttt 109140

gttctcttct cttttccccc tccatcctga ggtagagtga acatggccac ccttggcccc 109200

aatattaaaa tgccttgccg ggcacggtgg gtggttcgcc cctgtaatcc cagcactttg 109260

ggaggctgag gtgggcagat catttgagct caggggttcg aaaccagcct ggccaacatg 109320

gtgaaacccc gtctctacta aaactacaaa aattagccag gcatggtggt acgtgcctgt 109380

aatcccagtt actcaggagg cttaggcagg agatcgctta aacccgggag gtagaggttg 109440

cagtgagctg agatcacgcc attgcactcc agcctgggcg acagagcaag actccatctc 109500

aaaaataaaa taaaatgtcc caaggttggg tgtggtggct tacacctgca atcccaacac 109560

tttgggaggc aatgtgggca gatcctttgg gcccaggagt tcgaaaacag cctgggcaat 109620

gttgcaaaac ccttctctcc aaaaaataca aacataccca ggcatggtgg cgcacccctg 109680

taatcccatc tactccaggg cgctgaggtg ggaggatcac ttgagctctc cctgggaggt 109740

tgaggctgcg gtgaactgtg tttgtgccac tgcactgcag cctgggtgac atagcaagac 109800

tgtgtcaaaa aaaaacaaaa caaaaaaaca acgttccaat gcccaggtga ggggatccac 109860

cccagcatca gccagggtca ccccattgtt tgggcagctc tggcccaggg caagcaggcc 109920

tatctggtgc cagtggggct gtcaggggcc agcctgaggt cagttattgg tgggacaata 109980

gggcagatgg tttccagaga accaggactt ggcccaggcc acagtcaccc ctcagcacct 110040

cccctcccgc ttgcaggcag aaaacgagga tggggcccag gagaacacct tctccatgga 110100

cccccaactg gagcggcagg tggagaccat tcgcaacctg gtggactcat acgtggccat 110160

catcaacaag tccatccgcg acctcatgcc aaagaccatc atgcacctca tgatcaacaa 110220

tgtgagtgga gaactaaaaa tgagaaggag gtagctgggt gcggtggctc acgcctgtaa 110280

tcccagcact ttgggaggcc aaggcgggcg gatcacttga ggtcaggagt tcaagaccag 110340

cctggccaaa acggtgaaac cccatctcta ctaaaaatac aaaaattagg ctgggcgcgg 110400

tggctcacac ctgtaatccc agcactttgc gaggccaagg cgggcggatc acgagctaag 110460

gagttcgaga ctagactgac caacatggtg aaaccccatc tctactaaat atacaaaaat 110520

tagccgggca cggtagctca cgcctgtaat cccagctact caggaggctg aggcagggga 110580

atcgcttgaa cccaagaggc agaggttgtg gtaagcctag agtgcaccac tgcactccag 110640

cctgggcgac agagtgagac tccgtctcaa gaaaagagag agagagagag agaaaaatac 110700

aaaaagtagc cgggcatggt ggcgggtgcc tgtaatccag ctacccggga agctgaggca 110760

ggacaattac ttgaacctgg gagatggaga tggcagtgag ccaagatcgt gccactgcac 110820

tccagcctgg ttgacagagc gagactccat ctcaaaaaaa aaaaaaaaaa aaaatgagaa 110880

ggaggccagg caccctaggc catacctgtt tgtagtctta gcactttggg aggctgaggc 110940

aggaggatca cttgagccca ggaggttgag gctgcagtga gctatgatca tgccactgca 111000

ctccagcctg ggcgacagag caagaccttg tgtccaacaa cagcaacaac aaatttgaat 111060

gaatcaccac cctttgaaca ccagaatctg cacggccatc ctctttggga aaccctaggg 111120

tttccgagcc acactgggtc catagtccca tcaagtccac taactggagt gaacactgca 111180

ggtgtgcgcc ttctctgaat taacttaggc tggcatcaga ataactgcag gagggagaac 111240

ggccatcttc cccatttcac agacagaaaa caaggccaga gagatcaagt aacctgcccc 111300

aagttcctta ggaaagtggg aagtgggatt caaacccacg tttaccctgg ttgcaaccat 111360

acccttgggt tgtgttgggc agccgctgtg tcctaatgat ctggggccca gcctcttcct 111420

catgggcgtc acccgcctgg ccccgggttc cctggagact ctcagggctc tgggctcctc 111480

ttcagtgaaa tgcagctgta ctgatagtat ctccagctca ggctgctaga gggctcaggg 111540

cacttgtgta tcaggccttt ggcatggcac tagccactca ggaagcttta taaaccagct 111600

ttggggccgg agcagtggct catgcctgta atcccagcac tttgggaggc tgaggaggga 111660

ggatcacttg agcccaggag ctgaagacca gcctgggcaa catagccata ccccagtctc 111720

tacaaaaaat ttaaaaatta gctgggcgtg gtggcaaatg cctgtagtcc cagctactca 111780

gaagaccgag gtaagagcat cacttgagcc caggaggttg aggctgcagt gagccatgat 111840

tacgccactg ctctccagcc tgggtgatgg agcaggaacc tctttcaaaa aaaaagtgtc 111900

ttgggttttg tatatgaatg tcaaccacag aaacctgcgg atctaagtaa aactcccaca 111960

cagggtgtgg ctgggcatgg tggctcacat ctgtactccc agcactttgg gaggcttggc 112020

aggaggatca ctcgatccca ggagttcaag accagcctgg acaacatagt gagaccccat 112080

ccctatttaa aacacacaca cacctcccac gtgccatgcc ctcccaccct gttgctccca 112140

ttctcagtag tgatcagtgt tcacagtttc atggtgtcct ggtatgtttc ctcatatacc 112200

gataggatcg gagacatata cggttcttct gctatgaaat ttaaaatgca tatatccttt 112260

gaccctgcaa gtttactttt aggaacttct ctaagagaga caattgccca cgtgcaaagt 112320

gagcttatac atgcttattg ttttccatga tgttttatag cagccaaaga tgggacataa 112380

ttatccattt ttaatagact cttataaaat aaaaatattt tattatttaa gaaaataata 112440

aatctgtcgg cccagctact cgggaagctg aggcaggaag atcacttgag cccaggagat 112500

cgaggctgcg gtgagcaaag atcgctccac tgcattccag cctgagtgat aggagtgaga 112560

ccctatctaa aaaaaaaaaa agttgtgacg gccaggtgtg gtggctcatg cctgtaatcc 112620

cagcactttg ggaggctgag gcgggcacat cacgaggtca agagactgag accatcctgg 112680

ccaacatgct gaaaccccccc tctactaaaa atacaaaaat tagctgggcg tggtggcacg 112740

cgtctgtagt cccagctact ctggaggctg aggcaggaga atcacttgaa cctaggaggt 112800

ggagtttgca atgagcggag atcatgccac tgtactccag cctggtgaca gagggagact 112860

ctgtctcaaa aaaaaagaaa aaaaaaagta actgaaaaac ttctgtatcc agtaggaggt 112920

tccagaaagg acaatgtata aaattcatga acagaaacta gtagtgtttg aacagaagcc 112980

aggtggaaga tgtaacagga ttagccgggc gcagtggctc actcacgcct gtaatcccag 113040

cactttggga ggccaaggcg ggtggatcac ctgaggtcag gagttaaaga ccagcctggc 113100

caatatggtg aaaccccatc tctgctaaaa atacaaaaat tagccggggg ttgggggca 113160

cgcctgtagt cccagctact tgggaggttg aggcacaaga attgcttgga cccaggagac 113220

gcaggttgca gtgagccaag attgcactgc agcctgggtg acagagtgag actctgtcac 113280

aaaaaaataa agatataaca ggattggctg ggcgcggtgg ctcacgcctg taatcccagc 113340

actttgggag gctgaggcag gcggatcata aggtcaggag atcgagacca tcctggctaa 113400

cagggtgaaa ccctgtctct actaaaaata caaaaaataa gctgggcgtg gtggcaggcg 113460

cctgtagtcc cagctacttg ggagactgag gcaggagaat ggcataaacc cgggaggcgg 113520

aggttgcagt gagctgagat tgcaccactg cactccaacc tgggcgacag tgagactgtc 113580

tcaaaaaaaa aaaagcaaaa acaaaaaaga tataacagga ttattctgcc aaggttaagg 113640

aaataaataa ataagctaaa acaggagaaa agacatcaat ggaagaggca agatactaga 113700

aataagttga ataagaatct cataaccagc ctgggccaca tggtggaacc ctatctctaa 113760

aaaaattaca aaacttagcc aagcatggtg tcaacgtgcc tgtcgtccta gctacttggg 113820

aggctgaggc aggataatta cttgaacccg ggaggcggag gttgcagtga gctgaaattg 113880

agccactgta ctccagcctg ggtgacagag caagactctt tttcaaaaaa gtctgggggt 113940

ggccccgccc tgtgagagat gtttttccag cagtcactgt gggttctggg ttggggtgat 114000

acacaagcct gaccctcccc aacccctgcc cgcagacgaa ggccttcatc caccacgagc 114060

tgctggccta cctatactcc tcggcagacc agagcagcct catggaggag tcggctgacc 114120

aggcacagcg gcgggacgac atgctgcgca tgtaccatgc cctcaaggag gcgctcaaca 114180

tcatcggtga catcagcacc agcactgtgt ccacgcctgt acccccgcct gtcgatgaca 114240

cctggctcca gagcgccagc agccacaggt ccggaagcct ggttccccta ccctcaagca 114300

ttcggcctgc aggttcctgc cctccctgtg tgtcctgcag ggtcctggca ggaaacagga 114360

cacagcccaa gggtggcacc cagggctggg cactgtggga gctgctgccc tgctgaggcc 114420

ggaggaggga gagaaggggt atgggggcga gccagcccta cagctctagg gcaggaccct 114480

gtgaataaat accccgcctg ccctctgctg gtgccttcca ttggcacagc ccaaatggaa 114540

gctggggtaa gaggctggag gggcagcagc cacaggagag agatgagcct cctggagcac 114600

agagaagggc agatgggagg ctctggaggg gcaaacgcaa ggcgtggcca gagctgctgc 114660

cgcccctgag ttgtccattg aggccgtcgg gcagggaacc tcagaggggg ctgccttgca 114720

gagccctggg ggagccatgg agttccttaa ggggaggata tcgcacccag gcctgcaggt 114780

ggcagggact gaggcccagg agggaatctg gatgtctgga cagggcttgc aggttccacg 114840

gcccctagag atattagggc ttgatctgga ggactctgga agtgtctttg gctgtgaggg 114900

tggatcccag gcccaaggcc tgaggggggcc ctgtgagtgg gaagtgcctg agggggccga 114960

gggcaaggga aggtgggact ggcgctcagg ttggggtggg aggatcccac tgcgcctgcg 115020

ctgtccccat agccagcccc cacctcaggt tctggcagcc acagtggcat ggcgggggct 115080

cctactccat ctgtatctgt agctcacacc ctctccttcc tcacagcccc actccacagc 115140

gccgaccggt gtccagcata cacccccctg gccggccccc agcagtgagg ggccccactc 115200

cagggccccc cctgattcct gttcccgtgg gggcagcagc ctccttctcg gcgcccccaa 115260

tcccatcccg gcctggaccc cagagcgtgt ttgccaacag tgacctcttc ccagccccgc 115320

ctcagatccc atctcggcca gttcggatcc ccccagggat tcccccagga gtgcccaggt 115380

aaggccaacc ccctgccctc caccccaact gcctgcaccc tggggtctct cctcctgtct 115440

cacttcctcc cagtgagctc tcactacgtg cccagctgct ggagtggagg aatcgtcctc 115500

atccctattt ggcttgcgag gaaacaggcc cagagaggcc aagaggcttg ttcagtgtca 115560

cagagtagcg gagccctggt gactccgggg ctcccagctt gccctctgcc tactggggtg 115620

tgccaccagg cagctgggga accctcacac tgggcacctc ctcccactgt ttaccttctt 115680

ctccttcctg ctcctgcctg cctcaaccta ccgtgggcca ggctttattc tccccacttc 115740

tccggtgggg aagctgaggc ccagggaggg caggggggctc actgagggtc aaacagcagg 115800

cgagttgatg cctaggtttg gcactcctgc ccgacaccct ggtggcttgc ggaggtcagc 115860

ctgggaacac cctggggtgg tgtgtgggtg ggggctgggt cctcaaccca ggcctgcctc 115920

ttgctcccgg cctcactgcc gtctcccccc ccccacctgt ctttattctc tttgcagcag 115980

aagacccccc gctgcgccca gccggcccac cattatccgc ccagccgagc catccctgct 116040

cgactaggcc tcgaggggg cgtgctctcg ggggggcctc acgcacccgc ggcgcaggag 116100

cttcagtggt ctggggccct ccgccgcccc tatgctggga ccaggctccc agtgggcagc 116160

cctggcctct tccttaacgc tggccccggt ccagggccgg cccctgtgcc tggctggaca 116220

ccgcactgcg caaaggggcc ctggagctcc aggcaggggg cgctggggtg ttgcactttg 116280

ggggatggag tctcagggtg gcagaggggg gaccagaacc cttgacacca tcctgaatga 116340

ggggtccagc ctgggggga ctctaccaag gtcttcttgg gctgggaaag cccatgtagg 116400

gcaggccttc tataagtgcg ggcaccaagg gcgcctacat ccccaggcct tgctggggtg 116460

caggggtata tcaacttccc attagcagga gctccccagc ggcaagcctg gcccagtggg 116520

ctcggtagtg cccagctggc aggcctgagg tgtacatagt ccttcccggc catattaacc 116580

acacagcctg agcctggccc agcctcggct gccagaggtg cctttgctag gcccggagcc 116640

gttggcccgg gccggccttg ccctattcct ctcctcctcc tcctcctggg tcccccaggg 116700

tggctgggct tgggctatgt gggtggtggt ggcgggggggt cttgggggcc tctcagctcc 116760

cgcccatgcc tccctgatgg gtgggcccag ggcggcctct ctctgaggag acctcaccca 116820

ctcctcgctc agtttgacca ctgtaagtgc ctgcactctg tattctatta ataaactaaa 116880

ataaagggaa gacgctgctg gtggctgctg tgtgggcctc ttgtgttagt gttcaggctg 116940

gggacatggg tgccacctcc atcaggcctc ccataaggat gcccaagtcc ctgcactcat 117000

aagtgcctcc catctccctg agggctctgc tttcgggggt gtcacctttc agaggaagcc 117060

actcgataca ggggagagct tttactttcc ttagcatgtg aggagtggga gcagatattc 117120

tctgaccccc tgcacacccc cacgtgcaca ggcctggctg ctgcctggtg aagcggggac 117180

cccagcgctc cacccccttc ctaccctcag gccctgcttc tctcacctcg tggggaagcc 117240

caagcctcgt ggcccaactg gggctcagtt aaactttgct ttctgatttt tctcttgtgc 117300

caggcgacca cctccatcgg ctcccgcacg acctttcttc tgagcttcgt gggaggcccc 117360

tcccacctgt ctggctgccc cctcgggggc cggtctgtcc tggctggtgt ccctgagccc 117420

caatcagcag gctcttgtga ttttctgacc ataatttatt gactccaatg cccaggccac 117480

accacccttt gttataggag gcttctgcct agactttggc cgggccatcc ctcatgcctg 117540

tgtggggccc ctgcaggaga ggggccgggg caggtggtct tccaggcccc cttcctggca 117600

ttctgttacc agacctcaac ctggcttgga gggcccaggt ttccttgtta ggccctgccc 117660

cgcaccaggc aacgctaaca caggatggga ggcttaggct aaggcacatt tacagtagag 117720

gggccaggaa atccgaggct cacgttccaa cgctgcagtg cccaccatgt gagatttcca 117780

ggaccgtcgg tgcagccact gagccgtccc ttctacaagc cagaggtgtt ccctgcccgc 117840

tgaggacgga aggagactca tggggccaga ccgcaggccc tgactgcaca ctcccgtttt 117900

ggcaggaaac taaaattggg gagggacccc caagtctcat atgcacacac cctgctgccc 117960

ctcctttgtc ccgttcttcc ttccatggca ggggctacgt gggcaccggg cgcttgtcct 118020

ggaagaagcg cttgagcgtg cagacctgca gcacagccac cagcagcagc accgccacgt 118080

tgacagctga ccagaagttg acccgctcca agttgccctc ttgcaggttg cggtcacgtg 118140

cctcgaaggc ccgcagtagc gtgagcatct ggatgctgcg ctccagccgg gtccgcatgg 118200

tctcaatgga ctcctacagg gcagcgggag gggaagggtc aggcctccct ccacccatca 118260

gggagcagag accaaaaaaa ccgggggata cggagggagg ctgtattaac cctgggaggt 118320

acagctgcaa acacagactt gttcaggcta agttcaaatc ctcaccctgc cactcactgg 118380

ctgtgaccat gagcaactta attaacctat ctgagcctgt ttcctcttct ataagcttcc 118440

aaattgctgt gaacatttaa tgcctaaata aatgtacaag gatgagcatg gtggctcatg 118500

cctataatcc tagcactttg gaaggctgag gtgggaggat cgcttgagcc caggagtttg 118560

agaccagcct gggctacatg gcaaaacccc atctctacaa aaaattagcc aggggtggtg 118620

atgtgcaact gcaatcccag ctactcagga ggctgaagca agattacacc tgtaatccaa 118680

acacaggagg atcacttaaa cccaggagtt caagaccacc ctagccaaca tggtgaaacc 118740

tcgtctctac agaaaacaaa aaattaggca tggtggtgca cacccgtagt cccactgagg 118800

tggcaggatt gcttgagccc aggagtttga ggctgcaatg ggctatgatc acaccactgc 118860

actccagcct gagtgacaca gcaagacctt gcctcgccgt agctcacacc tgtaatccca 118920

gagctttggg aagccaaggc agacagatcc cctgaggtca ggagttcgag accagcctgg 118980

ccaacatggt gaaaccctgt ctctactaaa aatacaaaaa ttagtcagtc aggcgtggtg 119040

gcacagctat tcaggaggct gaggcaggag aattggctga acctgggagg cagaggttgc 119100

agtgagctga gatcgtgcca ctgcaatcca gcctgggtga ccaagagaga tctgttagaa 119160

aataaataaa taagtagtta attaaaatac taataaatgt acagaacata tttgcttgtg 119220

gttaagagca tagttgctga aaccagcatg ggttcaatac caactctgct agttggtctg 119280

tgtggccgtg agttgctcag ccatcttgta tctcactttc tccacctgta aaatggggat 119340

gacttgagca cagggtctgc ttcacaaggt ggtttggaga tttacggtat gagttattta 119400

tgatatgagt tccttaaacc tttacaccag ggtttatacc tagaaatgaa ctacttttt 119460

ttttttttt ttttttgaga cggagttttg ctcttattgc ccaggctgga gtgcaatggt 119520

gcgatctcgg ctcactgcaa cctctgcctc ccaggttcaa cttccacctc ctgggttcaa 119580

gtcattctct ggcctcagcc tcctgagtag ctgggattac agacgcccgc caccacaccc 119640

ggctaatttt tgtattttta gtagagacgg ggtttcacca tgttggccag gctggtctca 119700

aaactcctga cctcaggtga tccacccgcc tcagcctccc aaagtgctgg gattacaggc 119760

gtgagccacc gtgcccggcc tgaaatgaac tacttatttt aagagctgct actcttacta 119820

taattcagtt ggagggcaca actacggagg ggaggctggg tcagcccaag gggggcaccc 119880

caggtgaatc ctagagatct ggaaggagtg gccccagcgc agcctggaca caccttgatg 119940

tcctccattt taacatccag catctcctcg ggctccacag cctctgccca tccttcgacc 120000

<210> 2
<211> 3672
<212> DNA
<213> Homo sapiens

<400> 2
gaggtcgctc gggtcgggtg tcgcctgaga accggatgag gcggcgaccg tgaggccgag 60

ccgggagcgg gcgtcttgcc gaggcccggg cgggcgggga gcaacggcta cagacgccgc 120

ggggccaggt cgttgagggt cggcggcggg cgaggagcgc agggcgctcg ggccgggggc 180

cgccggcgcc atgggcaacc gcgggatgga agagctgatc ccgctggtca acaaactgca 240

ggacgccttc agctccatcg gccagagctg ccacctggac ctgccgcaga tcgctgtagt 300

gggcggccag agcgccggca agagctcggt gctggagaac ttcgtgggcc gggacttcct 360

tccccgcggt tcaggaatcg tcacccggcg gcctctcatt ctgcagctca tcttctcaaa 420

aacagaacat gccgagtttt tgcactgcaa gtccaaaaag tttacagact ttgatgaagt 480

ccggcaggag attgaagcag agaccgacag ggtcacgggg accaacaaag gcatctcccc 540

agtgcccatc aaccttcgag tctactcgcc acacgtgttg aacttgaccc tcatcgacct 600

cccgggtatc accaaggtgc ctgtgggcga ccagcctcca gacatcgagt accagatcaa 660

ggacatgatc ctgcagttca tcagccggga gagcagcctc attctggctg tcacgcccgc 720

caacatggac ctggccaact ccgacgccct caagctggcc aaggaagtcg atccccaagg 780

cctacggacc atcggtgtca tcaccaagct tgacctgatg gacgagggca ccgacgccag 840

ggacgtcttg gagaacaagt tgctcccgtt gagaagaggc tacattggcg tggtgaaccg 900

cagccagaag gatattgagg gcaagaagga catccgtgca gcactggcag ctgagaggaa 960

gttcttcctc tcccacccgg cctaccggca catggccgac cgcatgggca cgccacatct 1020

gcagaagacg ctgaatcagc aactgaccaa ccacatccgg gagtcgctgc cggccctacg 1080

tagcaaacta cagagccagc tgctgtccct ggagaaggag gtggaggagt acaagaactt 1140

tcggcccgac gaccccaccc gcaaaaccaa agccctgctg cagatggtcc agcagtttgg 1200

ggtggatttt gagaagagga tcgagggctc aggagatcag gtggacactc tggagctctc 1260

cgggggcgcc cgaatcaatc gcatcttcca cgagcggttc ccatttgagc tggtgaagat 1320

ggagtttgac gagaaggact tacgacggga gatcagctat gccattaaga acatccatgg 1380

agtcaggacc gggcttttca ccccggactt ggcattcgag gccattgtga aaaagcaggt 1440

cgtcaagctg aaagagccct gtctgaaatg tgtcgacctg gttatccagg agctaatcaa 1500

tacagttagg cagtgtacca gtaagctcag ttcctacccc cggttgcgag aggagacaga 1560

gcgaatcgtc accacttaca tccgggaacg ggaggggaga acgaaggacc agattcttct 1620

gctgatcgac attgagcagt cctacatcaa cacgaaccat gaggacttca tcgggtttgc 1680

caatgcccag cagaggagca cgcagctgaa caagaagaga gccatcccca atcaggtgat 1740

ccgcaggggc tggctgacca tcaacaacat cagcctgatg aaaggcggct ccaaggagta 1800

ctggtttgtg ctgactgccg agtcactgtc ctggtacaag gatgaggagg agaaagagaa 1860

gaagtacatg ctgcctctgg acaacctcaa gatccgtgat gtggagaagg gcttcatgtc 1920

caacaagcac gtcttcgcca tcttcaacac ggagcagaga aacgtctaca aggacctgcg 1980

gcagatcgag ctggcctgtg actcccagga agacgtggac agctggaagg cctcgttcct 2040

ccgagctggc gtctaccccg agaaggacca ggcagaaaac gaggatgggg cccaggagaa 2100

caccttctcc atggaccccc aactggagcg gcaggtggag accattcgca acctggtgga 2160

ctcatacgtg gccatcatca acaagtccat ccgcgacctc atgccaaaga ccatcatgca 2220

cctcatgatc aacaatacga aggccttcat ccaccacgag ctgctggcct acctatactc 2280

ctcggcagac cagagcagcc tcatggagga gtcggctgac caggcacagc ggcgggacga 2340

catgctgcgc atgtaccatg ccctcaagga ggcgctcaac atcatcggtg acatcagcac 2400

cagcactgtg tccacgcctg taccccgcc tgtcgatgac acctggctcc agagcgccag 2460

cagccacagc cccactccac agcgccgacc ggtgtccagc atacaccccc ctggccggcc 2520

cccagcagtg aggggcccca ctccagggcc ccccctgatt cctgttcccg tgggggcagc 2580

agcctccttc tcggcgcccc caatcccatc ccggcctgga ccccagagcg tgtttgccaa 2640

cagtgacctc ttcccagccc cgcctcagat cccatctcgg ccagttcgga tccccccagg 2700

gattccccca ggagtgccca gcagaagacc ccctgctgcg cccagccggc ccaccattat 2760

ccgcccagcc gagccatccc tgctcgacta ggcctcgagg ggggcgtgct ctcgggggg 2820

cctcacgcac ccgcggcgca ggagcttcag tggtctgggg ccctccgccg cccctatgct 2880

gggaccaggc tcccagtggg cagccctggc ctcttcctta acgctggccc cggtccaggg 2940

ccggcccctg tgcctggctg gacaccgcac tgcgcaaagg ggccctggag ctccaggcag 3000

ggggcgctgg ggtgttgcac tttgggggat ggagtctcag ggtggcagag gggggaccag 3060

aacccttgac accatcctga atgaggggtc cagcctgggg gggactctac caaggtcttc 3120

ttgggctggg aaagcccatg tagggcaggc cttctataag tgcgggcacc aagggcgcct 3180

acatccccag gccttgctgg ggtgcagggg tatatcaact tcccattagc aggagctccc 3240

cagcggcaag cctggcccag tgggctcggt agtgcccagc tggcaggcct gaggtgtaca 3300

tagtccttcc cggccatatt aaccacacag cctgagcctg gcccagcctc ggctgccaga 3360

ggtgcctttg ctaggcccgg agccgttggc ccgggccggc cttgccctat tcctctcctc 3420

ctcctcctcc tgggtccccc agggtggctg ggcttgggct atgtgggtgg tggtggcggg 3480

gggtcttggg ggcctctcag ctcccgccca tgcctccctg atgggtgggc ccagggcggc 3540

ctctctctga ggagacctca cccactcctc gctcagtttg accactgtaa gtgcctgcac 3600

tctgtattct attaataaac taaaataaag ggaagacgct gctggtggct gctgaaaaaa 3660

aaaaaaaaaa aa 3672

<210> 3
<211> 3684
<212> DNA
<213> Homo sapiens

<400> 3
gaggtcgctc gggtcgggtg tcgcctgaga accggatgag gcggcgaccg tgaggccgag 60

ccgggagcgg gcgtcttgcc gaggcccggg cgggcgggga gcaacggcta cagacgccgc 120

ggggccaggt cgttgagggt cggcggcggg cgaggagcgc agggcgctcg ggccgggggc 180

cgccggcgcc atgggcaacc gcgggatgga agagctgatc ccgctggtca acaaactgca 240

ggacgccttc agctccatcg gccagagctg ccacctggac ctgccgcaga tcgctgtagt 300

gggcggccag agcgccggca agagctcggt gctggagaac ttcgtgggcc gggacttcct 360

tccccgcggt tcaggaatcg tcacccggcg gcctctcatt ctgcagctca tcttctcaaa 420

aacagaacat gccgagtttt tgcactgcaa gtccaaaaag tttacagact ttgatgaagt 480

ccggcaggag attgaagcag agaccgacag ggtcacgggg accaacaaag gcatctcccc 540

agtgcccatc aaccttcgag tctactcgcc acacgtgttg aacttgaccc tcatcgacct 600

cccgggtatc accaaggtgc ctgtgggcga ccagcctcca gacatcgagt accagatcaa 660

ggacatgatc ctgcagttca tcagccggga gagcagcctc attctggctg tcacgcccgc 720

caacatggac ctggccaact ccgacgccct caagctggcc aaggaagtcg atccccaagg 780

cctacggacc atcggtgtca tcaccaagct tgacctgatg gacgagggca ccgacgccag 840

ggacgtcttg gagaacaagt tgctcccgtt gagaagaggc tacattggcg tggtgaaccg 900

cagccagaag gatattgagg gcaagaagga catccgtgca gcactggcag ctgagaggaa 960

gttcttcctc tcccacccgg cctaccggca catggccgac cgcatgggca cgccacatct 1020

gcagaagacg ctgaatcagc aactgaccaa ccacatccgg gagtcgctgc cggccctacg 1080

tagcaaacta cagagccagc tgctgtccct ggagaaggag gtggaggagt acaagaactt 1140

tcggcccgac gaccccaccc gcaaaaccaa agccctgctg cagatggtcc agcagtttgg 1200

ggtggatttt gagaagagga tcgagggctc aggagatcag gtggacactc tggagctctc 1260

cgggggcgcc cgaatcaatc gcatcttcca cgagcggttc ccatttgagc tggtgaagat 1320

ggagtttgac gagaaggact tacgacggga gatcagctat gccattaaga acatccatgg 1380

agtcaggacg gggctcttca cccccgacat ggcctttgaa gccattgtga aaaaacagat 1440

tgtaaaactc aaagagccga gtttgaagtg tgttgatctc gtggtctcag agctggccac 1500

ggtcataaaa aagtgtgccg agaagctcag ttcctacccc cggttgcgag aggagacaga 1560

gcgaatcgtc accacttaca tccgggaacg ggaggggaga acgaaggacc agattcttct 1620

gctgatcgac attgagcagt cctacatcaa cacgaaccat gaggacttca tcgggtttgc 1680

caatgcccag cagaggagca cgcagctgaa caagaagaga gccatcccca atcaggggga 1740

gatcctggtg atccgcaggg gctggctgac catcaacaac atcagcctga tgaaaggcgg 1800

ctccaaggag tactggtttg tgctgactgc cgagtcactg tcctggtaca aggatgagga 1860

ggagaaagag aagaagtaca tgctgcctct ggacaacctc aagatccgtg atgtggagaa 1920

gggcttcatg tccaacaagc acgtcttcgc catcttcaac acggagcaga gaaacgtcta 1980

caaggacctg cggcagatcg agctggcctg tgactcccag gaagacgtgg acagctggaa 2040

ggcctcgttc ctccgagctg gcgtctaccc cgagaaggac caggcagaaa acgaggatgg 2100

ggcccaggag aacaccttct ccatggaccc ccaactggag cggcaggtgg agaccattcg 2160

caacctggtg gactcatacg tggccatcat caacaagtcc atccgcgacc tcatgccaaa 2220

gaccatcatg cacctcatga tcaacaatac gaaggccttc atccaccacg agctgctggc 2280

ctacctatac tcctcggcag accagagcag cctcatggag gagtcggctg accaggcaca 2340

gcggcgggac gacatgctgc gcatgtacca tgccctcaag gaggcgctca acatcatcgg 2400

tgacatcagc accagcactg tgtccacgcc tgtacccccg cctgtcgatg acacctggct 2460

ccagagcgcc agcagccaca gccccactcc acagcgccga ccggtgtcca gcatacaccc 2520

ccctggccgg cccccagcag tgaggggccc cactccaggg ccccccctga ttcctgttcc 2580

cgtgggggca gcagcctcct tctcggcgcc cccaatccca tcccggcctg gaccccagag 2640

cgtgtttgcc aacagtgacc tcttcccagc cccgcctcag atcccatctc ggccagttcg 2700

gatcccccca gggattcccc caggagtgcc cagcagaaga ccccctgctg cgcccagccg 2760

gcccaccatt atccgcccag ccgagccatc cctgctcgac taggcctcga ggggggcgtg 2820

ctctcggggg ggcctcacgc acccgcggcg caggagcttc agtggtctgg ggccctccgc 2880

cgcccctatg ctgggaccag gctcccagtg ggcagccctg gcctcttcct taacgctggc 2940

cccggtccag ggccggcccc tgtgcctggc tggacaccgc actgcgcaaa ggggccctgg 3000

agctccaggc agggggcgct ggggtgttgc actttggggg atggagtctc agggtggcag 3060

agggggggacc agaacccttg acaccatcct gaatgagggg tccagcctgg gggggactct 3120

accaaggtct tcttgggctg ggaaagccca tgtagggcag gccttctata agtgcgggca 3180

ccaagggcgc ctacatcccc aggccttgct ggggtgcagg ggtatatcaa cttcccatta 3240

gcaggagctc cccagcggca agcctggccc agtgggctcg gtagtgccca gctggcaggc 3300

ctgaggtgta catagtcctt cccggccata ttaaccacac agcctgagcc tggcccagcc 3360

tcggctgcca gaggtgcctt tgctaggccc ggagccgttg gcccgggccg gccttgccct 3420

attcctctcc tcctcctcct cctgggtccc ccagggtggc tgggcttggg ctatgtgggt 3480

ggtggtggcg gggggtcttg ggggcctctc agctcccgcc catgcctccc tgatgggtgg 3540

gcccagggcg gcctctctct gaggagacct cacccactcc tcgctcagtt tgaccactgt 3600

aagtgcctgc actctgtatt ctattaataa actaaaataa agggaagacg ctgctggtgg 3660

ctgctgaaaa aaaaaaaaaa aaaa 3684

<210> 4
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Primer

<400> 4
gacctcatgc caaagaccat 20

<210> 5
<211> 21
<212> DNA
<213> Artificial sequence

<220>
<223> Primer

<400> 5
gtctgccgag gagtataggt a 21

<210> 6
<211> 22
<212> DNA
<213> Artificial sequence

<220>
<223> Probe

<400> 6
ccttcatcca ccacgagctg ct 22

<210> 7
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 7
ctcaggcgac acccga 16

<210> 8
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 8
gatgagggtc aagttc 16

<210> 9
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 9
cttgatctgg tactcg 16

<210> 10
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 10
gtccgtaggc cttggg 16

<210> 11
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 11
accgatggtc cgtagg 16

<210> 12
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 12
aatggtgggc cggctg 16

<210> 13
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 13
acacacttca aactcg 16

<210> 14
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 14
cccgacccga gcgacc 16

<210> 15
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 15
cacccgaccc gagcga 16

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

<220>
<223> Synthetic oligonucleotide

<400> 16
gacacccgac ccgagc 16

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

<220>
<223> Synthetic oligonucleotide

<400> 17
ggcgacaccc gacccg 16

<210> 18
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 18
gttctcaggc gacacc 16

<210> 19
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 19
ccggttctca ggcgac 16

<210> 20
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 20
catccggttc tcaggc 16

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

<220>
<223> Synthetic oligonucleotide

<400> 21
cctcatccgg ttctca 16

<210> 22
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 22
cgccgcctca tccggt 16

<210> 23
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 23
ggtcgccgcc tcatcc 16

<210> 24
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 24
cacggtcgcc gcctca 16

<210> 25
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 25
ctcacggtcg ccgcct 16

<210> 26
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 26
gcctcacggt cgccgc 16

<210> 27
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 27
cggcctcacg gtcgcc 16

<210> 28
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 28
gctcggcctc acggtc 16

<210> 29
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 29
ccggctcggc ctcacg 16

<210> 30
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 30
acgcccgctc ccggct 16

<210> 31
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 31
ggcctcggca agacgc 16

<210> 32
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 32
ccgggcctcg gcaaga 16

<210> 33
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 33
cgcccgggcc tcggca 16

<210> 34
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 34
ccgttgctcc ccgccc 16

<210> 35
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 35
agccgttgct ccccgc 16

<210> 36
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 36
tgtagccgtt gctccc 16

<210> 37
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 37
cgtctgtagc cgttgc 16

<210> 38
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 38
aacgacctgg ccccgc 16

<210> 39
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 39
accctcaacg acctgg 16

<210> 40
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 40
ccgaccctca acgacc 16

<210> 41
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 41
cgccgaccct caacga 16

<210> 42
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 42
ccgccgccga ccctca 16

<210> 43
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 43
tcgcccgccg ccgacc 16

<210> 44
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 44
cgctcctcgc ccgccg 16

<210> 45
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 45
tgcgctcctc gcccgc 16

<210> 46
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 46
ccctgcgctc ctcgcc 16

<210> 47
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 47
gcgccctgcg ctcctc 16

<210> 48
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 48
gcggcccccg gcccga 16

<210> 49
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 49
ctggccgatg gagctg 16

<210> 50
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 50
ctctggccga tggagc 16

<210> 51
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 51
gcagctctgg ccgatg 16

<210> 52
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 52
gggaaggaag tcccgg 16

<210> 53
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 53
attcctgaac cgcggg 16

<210> 54
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 54
cgattcctga accgcg 16

<210> 55
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 55
gacgattcct gaaccg 16

<210> 56
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 56
gacttgcagt gcaaaa 16

<210> 57
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 57
tggacttgca gtgcaa 16

<210> 58
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 58
tttggacttg cagtgc 16

<210> 59
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 59
acttttgga cttgca 16

<210> 60
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 60
cctgccggac ttcatc 16

<210> 61
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 61
tctcctgccg gacttc 16

<210> 62
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 62
caatctcctg ccggac 16

<210> 63
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 63
ttcaatctcc tgccgg 16

<210> 64
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 64
ggtcgatgag ggtcaa 16

<210> 65
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 65
cgggaggtcg atgagg 16

<210> 66
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 66
cccgggaggt cgatga 16

<210> 67
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 67
gatacccggg aggtcg 16

<210> 68
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 68
gtgatacccg ggaggt 16

<210> 69
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 69
cttggtgata cccggg 16

<210> 70
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 70
aggcaccttg gtgata 16

<210> 71
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 71
gtccttgatc tggtac 16

<210> 72
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 72
atgtccttga tctggt 16

<210> 73
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 73
aggatcatgt ccttga 16

<210> 74
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 74
ctgcaggatc atgtcc 16

<210> 75
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 75
ggctgatgaa ctgcag 16

<210> 76
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 76
gctctcccgg ctgatg 16

<210> 77
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 77
gctgctctcc cggctg 16

<210> 78
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 78
gtgacagcca gaatga 16

<210> 79
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 79
gtccatgttg gcgggc 16

<210> 80
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 80
cgacttcctt ggccag 16

<210> 81
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 81
atcgacttcc ttggcc 16

<210> 82
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 82
tggtccgtag gccttg 16

<210> 83
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 83
gatggtccgt aggcct 16

<210> 84
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 84
tcaacgggag caactt 16

<210> 85
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 85
gcctcttctc aacggg 16

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

<220>
<223> Synthetic oligonucleotide

<400> 86
tagcctcttc tcaacg 16

<210> 87
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 87
gcacggatgt ccttct 16

<210> 88
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 88
gctgcacgga tgtcct 16

<210> 89
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 89
ccagtgctgc acggat 16

<210> 90
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 90
gtgccggtag gccggg 16

<210> 91
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 91
atgtgccggt aggccg 16

<210> 92
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 92
gccatgtgcc ggtagg 16

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

<220>
<223> Synthetic oligonucleotide

<400> 93
cggccatgtg ccggta 16

<210> 94
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 94
cgtcttctgc agatgt 16

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

<220>
<223> Synthetic oligonucleotide

<400> 95
gccggcagcg actccc 16

<210> 96
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 96
agggccggca gcgact 16

<210> 97
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 97
cgtagggccg gcagcg 16

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

<220>
<223> Synthetic oligonucleotide

<400> 98
tctgtagttt gctacg 16

<210> 99
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 99
gctctgtagt ttgcta 16

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

<220>
<223> Synthetic oligonucleotide

<400> 100
gtcgggccga aagttc 16

<210> 101
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 101
ctttggtttt gcgggt 16

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

<220>
<223> Synthetic oligonucleotide

<400> 102
gagtgtccac ctgatc 16

<210> 103
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 103
cccggagagc tccaga 16

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

<220>
<223> Synthetic oligonucleotide

<400> 104
gcccccggag agctcc 16

<210> 105
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 105
gcgcccccgg agagct 16

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

<220>
<223> Synthetic oligonucleotide

<400> 106
gcgattgatt cgggcg 16

<210> 107
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 107
agatgcgatt gattcg 16

<210> 108
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 108
gactccatgg atgttc 16

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

<220>
<223> Synthetic oligonucleotide

<400> 109
gcccggtcct gactcc 16

<210> 110
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 110
aagcccggtc ctgact 16

<210> 111
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 111
gaaaagcccg gtcctg 16

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

<220>
<223> Synthetic oligonucleotide

<400> 112
ggtgaaaagc ccggtc 16

<210> 113
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 113
gaatgccaag tccggg 16

<210> 114
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 114
ctcgaatgcc aagtcc 16

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

<220>
<223> Synthetic oligonucleotide

<400> 115
ggcctcgaat gccaag 16

<210> 116
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 116
gacgacctgc tttttc 16

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

<220>
<223> Synthetic oligonucleotide

<400> 117
cttgacgacc tgcttt 16

<210> 118
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 118
gcttgacgac ctgctt 16

<210> 119
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 119
cagcttgacg acctgc 16

<210> 120
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 120
ttcagcttga cgacct 16

<210> 121
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 121
ctttcagctt gacgac 16

<210> 122
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 122
ctctttcagc ttgacg 16

<210> 123
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 123
ggtcgacaca tttcag 16

<210> 124
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 124
caggtcgaca catttc 16

<210> 125
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 125
tggataacca ggtcga 16

<210> 126
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 126
attgattagc tcctgg 16

<210> 127
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 127
gcctaactgt attgat 16

<210> 128
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 128
ctgcctaact gtattg 16

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

<220>
<223> Synthetic oligonucleotide

<400> 129
acactgccta actgta 16

<210> 130
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 130
tactggtaca ctgcct 16

<210> 131
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 131
ctgagcttac tggtac 16

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

<220>
<223> Synthetic oligonucleotide

<400> 132
gaactgagct tactgg 16

<210> 133
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 133
ggtaggaact gagctt 16

<210> 134
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 134
tcctctcgca accggg 16

<210> 135
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 135
gtctcctctc gcaacc 16

<210> 136
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 136
tctgtctcct ctcgca 16

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

<220>

<223> Synthetic oligonucleotide

<400> 137
gtgacgattc gctctg 16

<210> 138
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 138
aagtggtgac gattcg 16

<210> 139
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 139
gtaagtggtg acgatt 16

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

<220>
<223> Synthetic oligonucleotide

<400> 140
ccgttcccgg atgtaa 16

<210> 141
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 141
cgttctcccc tcccgt 16

<210> 142
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 142
cagaagaatc tggtcc 16

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

<220>
<223> Synthetic oligonucleotide

<400> 143
gtcgatcagc agaaga 16

<210> 144
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 144
caatgtcgat cagcag 16

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

<220>
<223> Synthetic oligonucleotide

<400> 145
ctcaatgtcg atcagc 16

<210> 146
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 146
ctgctcaatg tcgatc 16

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

<220>
<223> Synthetic oligonucleotide

<400> 147
ggactgctca atgtcg 16

<210> 148
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 148
taggactgct caatgt 16

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

<220>
<223> Synthetic oligonucleotide

<400> 149
gatgtaggac tgctca 16

<210> 150
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 150
gttgatgtag gactgc 16

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

<220>
<223> Synthetic oligonucleotide

<400> 151
ggctgatgtt gttgat 16

<210> 152
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 152
caggctgatg ttgttg 16

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

<220>
<223> Synthetic oligonucleotide

<400> 153
tcatcaggct gatgtt 16

<210> 154
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 154
gcctttcatc aggctg 16

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

<220>

<223> Synthetic oligonucleotide

<400> 155
tgactcggca gtcagc 16

<210> 156
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 156
cagtgactcg gcagtc 16

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

<220>
<223> Synthetic oligonucleotide

<400> 157
aggacagtga ctcggc 16

<210> 158
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 158
atcacggatc ttgagg 16

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

<220>
<223> Synthetic oligonucleotide

<400> 159
ccacatcacg gatctt 16

<210> 160
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 160
tccacatcac ggatct 16

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

<220>
<223> Synthetic oligonucleotide

<400> 161
tctccacatc acggat 16

<210> 162
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 162
gaagatggcg aagacg 16

<210> 163
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 163
caggtccttg tagacg 16

<210> 164
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 164
gctcgatctg ccgcag 16

<210> 165
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 165
cagctcgatc tgccgc 16

<210> 166
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 166
tcggaggaac gaggcc 16

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

<220>
<223> Synthetic oligonucleotide

<400> 167
gctcggagga acgagg 16

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

<220>
<223> Synthetic oligonucleotide

<400> 168
cagctcggag gaacga 16

<210> 169
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 169
gccagctcgg aggaac 16

<210> 170
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 170
gcctggtcct tctcgg 16

<210> 171
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 171
aggtgttctc ctgggc 16

<210> 172
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 172
gaaggtgttc tcctgg 16

<210> 173
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 173
ggagaaggtg ttctcc 16

<210> 174
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 174
atggacttgt tgatga 16

<210> 175
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 175
tcgcggatgg acttgt 16

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

<220>
<223> Synthetic oligonucleotide

<400> 176
ggtcgcggat ggactt 16

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

<220>
<223> Synthetic oligonucleotide

<400> 177
tgaggtcgcg gatgga 16

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

<220>
<223> Synthetic oligonucleotide

<400> 178
cgtggtggat gaaggc 16

<210> 179
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 179
ccgaggagta taggta 16

<210> 180
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 180
ctgccgagga gtatag 16

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

<220>
<223> Synthetic oligonucleotide

<400> 181
gtctgccgag gagtat 16

<210> 182
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 182
ctggtctgcc gaggag 16

<210> 183
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 183
gctctggtct gccgag 16

<210> 184
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 184
ctggacaccg gtcggc 16

<210> 185
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 185
atgctggaca ccggtc 16

<210> 186
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 186
gtatgctgga caccgg 16

<210> 187
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 187
gggtgtatgc tggaca 16

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

<220>
<223> Synthetic oligonucleotide

<400> 188
cacgggaaca ggaatc 16

<210> 189
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 189
ctgcccccac gggaac 16

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

<220>
<223> Synthetic oligonucleotide

<400> 190
cgccgagaag gaggct 16

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

<220>

<223> Synthetic oligonucleotide

<400> 191
gttggcaaac acgctc 16

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

<220>
<223> Synthetic oligonucleotide

<400> 192
ctgttggcaa acacgc 16

<210> 193
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 193
gaggtcactg ttggca 16

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

<220>
<223> Synthetic oligonucleotide

<400> 194
ggccgagatg ggatct 16

<210> 195
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 195
ctggccgaga tgggat 16

<210> 196
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 196
gaactggccg agatgg 16

<210> 197
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 197
tccgaactgg ccgaga 16

<210> 198
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 198
gggatccgaa ctggcc 16

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

<220>
<223> Synthetic oligonucleotide

<400> 199
gctgggcgga taatgg 16

<210> 200
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 200
gctcggctgg gcggat 16

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

<220>
<223> Synthetic oligonucleotide

<400> 201
tggctcggct gggcgg 16

<210> 202
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 202
agggatggct cggctg 16

<210> 203
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 203
agtcgagcag ggatgg 16

<210> 204
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 204
ggcctagtcg agcagg 16

<210> 205
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 205
cgaggcctag tcgagc 16

<210> 206
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 206
ccctcgaggc ctagtc 16

<210> 207
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 207
ccccctcga ggccta 16

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

<220>
<223> Synthetic oligonucleotide

<400> 208
cgccccctc gaggcc 16

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

<220>

<223> Synthetic oligonucleotide

<400> 209
cccgagagca cgcccc 16

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

<220>
<223> Synthetic oligonucleotide

<400> 210
ccccccgaga gcacgc 16

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

<220>
<223> Synthetic oligonucleotide

<400> 211
ggcccccccg agagca 16

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

<220>
<223> Synthetic oligonucleotide

<400> 212
cgtgaggccc ccccga 16

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

<220>
<223> Synthetic oligonucleotide

<400> 213
aagctcctgc gccgcg 16

<210> 214
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 214
gaccactgaa gctcct 16

<210> 215
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 215
cagaccactg aagctc 16

<210> 216
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 216
cggagggccc cagacc 16

<210> 217
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 217
ggcggagggc cccaga 16

<210> 218
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 218
tggtcccagc ataggg 16

<210> 219
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 219
cctggtccca gcatag 16

<210> 220
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 220
actgggagcc tggtcc 16

<210> 221
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 221
cgttaaggaa gaggcc 16

<210> 222
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 222
gcggtgtcca gccagg 16

<210> 223
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 223
gtgcggtgtc cagcca 16

<210> 224
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 224
cgcagtgcgg tgtcca 16

<210> 225
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 225
ttgcgcagtg cggtgt 16

<210> 226
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 226
ctttgcgcag tgcggt 16

<210> 227
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 227
ccccttgcg cagtgc 16

<210> 228
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 228
gggccccttt gcgcag 16

<210> 229
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 229
cagggcccct ttgcgc 16

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

<220>
<223> Synthetic oligonucleotide

<400> 230
tgcaacaccc cagcgc 16

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

<220>
<223> Synthetic oligonucleotide

<400> 231
caaagtgcaa cacccc 16

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

<220>
<223> Synthetic oligonucleotide

<400> 232
ccccaaagtg caacac 16

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

<220>
<223> Synthetic oligonucleotide

<400> 233
tggtcccccc tctgcc 16

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

<220>
<223> Synthetic oligonucleotide

<400> 234
caagggttct ggtccc 16

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

<220>
<223> Synthetic oligonucleotide

<400> 235
tgtcaagggt tctggt 16

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

<220>

<223> Synthetic oligonucleotide

<400> 236
ggtgtcaagg gttctg 16

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

<220>
<223> Synthetic oligonucleotide

<400> 237
ggatggtgtc aagggt 16

<210> 238
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 238
gacccctcat tcagga 16

<210> 239
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 239
tggacccctc attcag 16

<210> 240
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 240
ggctggaccc ctcatt 16

<210> 241
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 241
gagtcccccc caggct 16

<210> 242
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 242
ggtagagtcc ccccca 16

<210> 243
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 243
ccttggtaga gtcccc 16

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

<220>
<223> Synthetic oligonucleotide

<400> 244
agaccttggt agagtc 16

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

<220>

<223> Synthetic oligonucleotide

<400> 245
cctacatggg ctttcc 16

<210> 246
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 246
ctgccctaca tgggct 16

<210> 247
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 247
atagaaggcc tgccct 16

<210> 248
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 248
ttatagaagg cctgcc 16

<210> 249
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 249
gcacttatag aaggcc 16

<210> 250
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 250
gcccgcactt atagaa 16

<210> 251
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 251
gtgcccgcac ttatag 16

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

<220>
<223> Synthetic oligonucleotide

<400> 252
cgcccttggt gcccgc 16

<210> 253
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 253
tataccccctg cacccc 16

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

<220>

<223> Synthetic oligonucleotide

<400> 254
ggaagttgat ataccc 16

<210> 255
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 255
gctaatggga agttga 16

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

<220>
<223> Synthetic oligonucleotide

<400> 256
cctgctaatg ggaagt 16

<210> 257
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 257
gctcctgcta atggga 16

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

<220>
<223> Synthetic oligonucleotide

<400> 258
gggagctcct gctaat 16

<210> 259
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 259
gccaggcttg ccgctg 16

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

<220>
<223> Synthetic oligonucleotide

<400> 260
gggccaggct tgccgc 16

<210> 261
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 261
accgagccca ctgggc 16

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

<220>
<223> Synthetic oligonucleotide

<400> 262
ctaccgagcc cactgg 16

<210> 263
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 263
gggcactacc gagccc 16

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

<220>
<223> Synthetic oligonucleotide

<400> 264
cagctgggca ctaccg 16

<210> 265
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 265
tgtacacctc aggcct 16

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

<220>
<223> Synthetic oligonucleotide

<400> 266
ctatgtacac ctcagg 16

<210> 267
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 267
ggactatgta cacctc 16

<210> 268
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 268
gaaggactat gtacac 16

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

<220>
<223> Synthetic oligonucleotide

<400> 269
ggccgggaag gactat 16

<210> 270
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 270
atggccggga aggact 16

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

<220>
<223> Synthetic oligonucleotide

<400> 271
aatatggccg ggaagg 16

<210> 272
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 272
ggttaatatg gccggg 16

<210> 273
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 273
ggctgtgtgg ttaata 16

<210> 274
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 274
cctctggcag ccgagg 16

<210> 275
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 275
gcacctctgg cagccg 16

<210> 276
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 276
aggcacctct ggcagc 16

<210> 277
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 277
tagcaaaggc acctct 16

<210> 278
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 278
gcctagcaaa ggcacc 16

<210> 279
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 279
ccgggcctag caaagg 16

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

<220>
<223> Synthetic oligonucleotide

<400> 280
gctccgggcc tagcaa 16

<210> 281
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 281
cggctccggg cctagc 16

<210> 282
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 282
ccaacggctc cgggcc 16

<210> 283
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 283
ggcccgggcc aacggc 16

<210> 284
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 284
ccggcccggg ccaacg 16

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

<220>
<223> Synthetic oligonucleotide

<400> 285
ggccggcccg ggccaa 16

<210> 286
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 286
aaggccggcc cgggcc 16

<210> 287
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 287
gcaaggccgg cccggg 16

<210> 288
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 288
gggcaaggcc ggcccg 16

<210> 289
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 289
tagggcaagg ccggcc 16

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

<220>

<223> Synthetic oligonucleotide

<400> 290
aggaataggg caaggc 16

<210> 291
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 291
accacccaca tagccc 16

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

<220>
<223> Synthetic oligonucleotide

<400> 292
caagaccccc cgccac 16

<210> 293
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 293
ccccaagacc ccccgc 16

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

<220>
<223> Synthetic oligonucleotide

<400> 294
agaggccccc aagacc 16

<210> 295
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 295
ggcccaccca tcaggg 16

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

<220>
<223> Synthetic oligonucleotide

<400> 296
tgggcccacc catcag 16

<210> 297
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 297
agagagaggc cgccct 16

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

<220>
<223> Synthetic oligonucleotide

<400> 298
tcagagagag gccgcc 16

<210> 299
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 299
gagtgggtga ggtctc 16

<210> 300
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 300
gagcgaggag tgggtg 16

<210> 301
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 301
aactgagcga ggagtg 16

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

<220>
<223> Synthetic oligonucleotide

<400> 302
tcaaactgag cgagga 16

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

<220>
<223> Synthetic oligonucleotide

<400> 303
gtggtcaaac tgagcg 16

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

<220>
<223> Synthetic oligonucleotide

<400> 304
cttacagtgg tcaaac 16

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

<220>
<223> Synthetic oligonucleotide

<400> 305
gagtgcaggc acttac 16

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

<220>
<223> Synthetic oligonucleotide

<400> 306
aatacagagt gcaggc 16

<210> 307
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 307
ccacgagatc aacaca 16

<210> 308
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 308
gaccacgaga tcaaca 16

<210> 309
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 309
agaccacgag atcaac 16

<210> 310
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 310
ctgagaccac gagatc 16

<210> 311
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 311
gctctgagac cacgag 16

<210> 312
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 312
gaccgtggcc agctct 16

<210> 313
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 313
atgaccgtgg ccagct 16

<210> 314
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 314
tatgaccgtg gccagc 16

<210> 315
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 315
tttatgaccg tggcca 16

<210> 316
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 316
ttttatgacc gtggcc 16

<210> 317
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 317
cggcacactt ttttat 16

<210> 318
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 318
ttctcggcac actttt 16

<210> 319
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 319
ccccgccgcg ggcacg 16

<210> 320
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 320
ccaaaggagg gccccc 16

<210> 321
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 321
cgccagccta gtggcc 16

<210> 322
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 322
tgggactacc acccta 16

<210> 323
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 323
ctccatactg gccggc 16

<210> 324
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 324
cttaacgagg ccagcc 16

<210> 325
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 325
acccatctag gcccca 16

<210> 326
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 326
tggtgcaccg cagaca 16

<210> 327
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 327
tcaggaggcg agattg 16

<210> 328
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 328
cgggaaaacc ccgcct 16

<210> 329
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 329
agccactaag tggccc 16

<210> 330
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 330
gctaaactgg cctccg 16

<210> 331
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 331
gccaacgggc atccga 16

<210> 332
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 332
gtccactccc agtagg 16

<210> 333
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 333
ggtgatccga tgctgg 16

<210> 334
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 334
ggccatcttc cgccct 16

<210> 335
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 335
ctaacctagg ccgggt 16

<210> 336
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 336
agacgcaggg ccacat 16

<210> 337
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 337
ggctctagag ggccca 16

<210> 338
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 338
ccgcatacag cctttt 16

<210> 339
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 339
gcattccacg ggcagc 16

<210> 340
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 340
caccgctacc ctagct 16

<210> 341
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 341
gggcaccccg caggtt 16

<210> 342
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 342
tctagaagga ccctgt 16

<210> 343
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 343
agccgggctt ccgtct 16

<210> 344
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 344
tttaagggcg cggtgg 16

<210> 345
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 345
tgcacttccg gacagg 16

<210> 346
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 346
caccagccca ggcgcg 16

<210> 347
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 347
agctaggtta atttct 16

<210> 348
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 348
caacatcccg ccaggc 16

<210> 349
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 349
agcaatctag cctccc 16

<210> 350
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 350
tgcaatgtcc agtcct 16

<210> 351
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 351
acctagcaag cctacc 16

<210> 352
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 352
gctacagcaa tataga 16

<210> 353
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 353
tcttaacagg ctccct 16

<210> 354
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 354
cctcagggac gacttc 16

<210> 355
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 355
tatacgggca tgttga 16

<210> 356
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 356
gtgcatcccg agaggg 16

<210> 357
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 357
atgaaagtct ccactt 16

<210> 358
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 358
aaccgctggg atcccc 16

<210> 359
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 359
gtacaggagt tcccca 16

<210> 360
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 360
aaatacaccc tagatg 16

<210> 361
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 361
gaagattttg gccggg 16

<210> 362
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 362
ctccaggaca caccgt 16

<210> 363
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 363
gggagtaggc tcgacc 16

<210> 364
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 364
ccctattcca caggac 16

<210> 365
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 365
gctaagagca gccctc 16

<210> 366
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 366
ggcatcacgg ccgggc 16

<210> 367
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 367
tgtcacccca gccgaa 16

<210> 368
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 368
agccgggcac caccca 16

<210> 369
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 369
ggcaaggaca gccgac 16

<210> 370
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 370
gtttggcaag gacagc 16

<210> 371
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 371
gtggtttggc aaggac 16

<210> 372
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 372
gcagtggttt ggcaag 16

<210> 373
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 373
atgcagtggt ttggca 16

<210> 374
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 374
tcaacacctt gagggc 16

<210> 375
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 375
tgcctaggcg atcctc 16

<210> 376
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 376
gacattgctg tcgcag 16

<210> 377
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 377
tcccaagtgc ccccca 16

<210> 378
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 378
agccggcacg gttgct 16

<210> 379
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 379
gagaacattc gcccca 16

<210> 380
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 380
tgacctgtgg caattc 16

<210> 381
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 381
ggtgacctgt ggcaat 16

<210> 382
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 382
tcccgtatcg gcccct 16

<210> 383
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 383
gtccagccgc gagtcc 16

<210> 384
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 384
ggcagacccg cagtca 16

<210> 385
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 385
gggcaagcca cccctc 16

<210> 386
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 386
aagtcgagct ccgccc 16

<210> 387
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 387
tggtcctagc ccgtcc 16

<210> 388
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 388
gggtacaggc aaacct 16

<210> 389
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 389
ccataccccc atctga 16

<210> 390
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 390
gcgcagaggg cctcgc 16

<210> 391
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 391
cactacagac atccct 16

<210> 392
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 392
agccagggcc cggctt 16

<210> 393
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 393
ctccaactgt agggct 16

<210> 394
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 394
gcggatggtg gcattc 16

<210> 395
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 395
cagcagcggc ggtgac 16

<210> 396
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 396
ctcttagcat ggcccc 16

<210> 397
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 397
ggcctgggat gctacc 16

<210> 398
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 398
ttaaaccccc ctctgg 16

<210> 399
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 399
gcccaagccc tcggcg 16

<210> 400
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 400
atgcacgcgc taccat 16

<210> 401
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 401
acatatcctg gccggg 16

<210> 402
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 402
ctggatgtgg gaacgg 16

<210> 403
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 403
cctcaggccg ccccat 16

<210> 404
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 404
ggccatggag ggtcac 16

<210> 405
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 405
gggacaactg gcgaca 16

<210> 406
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 406
tggtagaggg ctggtg 16

<210> 407
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 407
gcccatcggc tgctgt 16

<210> 408
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 408
gggtaggcct gcgctc 16

<210> 409
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 409
tgccatgatc aggcgg 16

<210> 410
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 410
accaagtggg caccta 16

<210> 411
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 411
ccacaaggcc ccgccg 16

<210> 412
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 412
gtgaccaggt gcgggt 16

<210> 413
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 413
ctgggcagag ccgatc 16

<210> 414
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 414
gacgaggctg gccctg 16

<210> 415
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 415
ccccactgtg ctaaac 16

<210> 416
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 416
agtcagccgt cctcgc 16

<210> 417
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 417
caccaggccg agagca 16

<210> 418
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 418
gcccaggcac cgacca 16

<210> 419
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 419
ccccggaacc tcaggc 16

<210> 420
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 420
cagcacgctg tgtgca 16

<210> 421
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 421
cactcggccg ctcttc 16

<210> 422
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 422
gcgcactgcc ctgtcg 16

<210> 423
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 423
caagagggcc ccctac 16

<210> 424
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 424
tatgaatccc cctccc 16

<210> 425
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 425
gcgcatggac tgcggg 16

<210> 426
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 426
tggaagtaca caggct 16

<210> 427
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 427
gtctatggcc ccgggc 16

<210> 428
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 428
gcataggcca acgcag 16

<210> 429
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 429
aaacaggccc gcagcc 16

<210> 430
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 430
cctacagcgg ccatgg 16

<210> 431
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 431
gtgctaaccg tgtgtg 16

<210> 432
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 432
gtccagttgg ccctga 16

<210> 433
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 433
aaccaccgaa gctggg 16

<210> 434
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 434
ggaagatggc cgggtg 16

<210> 435
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 435
gctacaatgc ctagga 16

<210> 436
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 436
ggtcaacgca ggctca 16

<210> 437
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 437
agccaggagc aatcgc 16

<210> 438
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 438
ggcaaccaag gtctga 16

<210> 439
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 439
cgcctagcct gggttc 16

<210> 440
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 440
caccatcaca cacgga 16

<210> 441
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 441
gggagaggtg ccggtc 16

<210> 442
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 442
caccgagaag gaggta 16

<210> 443
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 443
aaaatctcgg ccggga 16

<210> 444
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 444
gccaagtgga cctggc 16

<210> 445
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 445
gcctgaaaca agtgcc 16

<210> 446
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 446
ccccaggcaa tgcata 16

<210> 447
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 447
agaacgatag gccagg 16

<210> 448
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 448
tcttttcccg gccccc 16

<210> 449
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 449
cggcacggag ctgccc 16

<210> 450
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 450
ggtcagttgc tgcagg 16

<210> 451
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 451
ggccggccaa tgctca 16

<210> 452
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 452
ttgcactggc cgggct 16

<210> 453
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 453
cccttagccc acgacc 16

<210> 454
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 454
ctgccagttt gtcccc 16

<210> 455
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 455
tgtaatctgc cagttt 16

<210> 456
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 456
cttgtaatct gccagt 16

<210> 457
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 457
ggcaccttgt aatctg 16

<210> 458
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 458
tgtgatgggc atcccc 16

<210> 459
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 459
atacatgagg tccggg 16

<210> 460
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 460
gcccaaccca cgctgc 16

<210> 461
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 461
ccccaactgg gagagg 16

<210> 462
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 462
tagaacgggc ctggcc 16

<210> 463
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 463
tccataggtt cccgcc 16

<210> 464
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 464
gggcactacc ttcacc 16

<210> 465
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 465
tcccacggat tatagg 16

<210> 466
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 466
gcccaggaag gtcgaa 16

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

<220>
<223> Synthetic oligonucleotide

<400> 467
atgcatggag gcaccc 16

<210> 468
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 468
tgcaatggac gcagga 16

<210> 469
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 469
ggccgggtcc ccaaca 16

<210> 470
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 470
ggccattccc ggagct 16

<210> 471
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 471
ccttttctaa tcgaag 16

<210> 472
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 472
acctgtttgg actgtt 16

<210> 473
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 473
ccaacctgtt tggact 16

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

<220>
<223> Synthetic oligonucleotide

<400> 474
ttccaacctg tttgga 16

<210> 475
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 475
cgttttccaa cctgtt 16

<210> 476
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 476
ggctctagga cgagcg 16

<210> 477
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 477
cctggctcta ggacga 16

<210> 478
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 478
tgtccatgac acctgg 16

<210> 479
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 479
tcatgtccat gacacc 16

<210> 480
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 480
attcatgtcc atgaca 16

<210> 481
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 481
ccccacgggc agccac 16

<210> 482
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 482
gggcaccgtg gaccgg 16

<210> 483
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 483
catatgcagc tgtcag 16

<210> 484
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 484
ccatatgcag ctgtca 16

<210> 485
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 485
tgccatatgc agctgt 16

<210> 486
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 486
ttgccatatg cagctg 16

<210> 487
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 487
tttgccatat gcagct 16

<210> 488
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 488
gggttacttt gccata 16

<210> 489
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 489
agggttactt tgccat 16

<210> 490
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 490
aagggttact ttgcca 16

<210> 491
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 491
taagggttac tttgcc 16

<210> 492
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 492
gtaagggtta ctttgc 16

<210> 493
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 493
ggtaagggtt actttg 16

<210> 494
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 494
aggtaagggt tacttt 16

<210> 495
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 495
gaggtaaggg ttactt 16

<210> 496
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 496
tgaggtaagg gttact 16

<210> 497
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 497
ttgaggtaag ggttac 16

<210> 498
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 498
aacccttacc tcaatc 16

<210> 499
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 499
tgattgaggt aagggt 16

<210> 500
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 500
ttgattgagg taaggg 16

<210> 501
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 501
cttgattgag gtaagg 16

<210> 502
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 502
tcttgattga ggtaag 16

<210> 503
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 503
atcttgattg aggtaa 16

<210> 504
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 504
accgctctgt atcttg 16

<210> 505
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 505
aaccgctctg tatctt 16

<210> 506
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 506
agatacagag cggttc 16

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

<220>
<223> Synthetic oligonucleotide

<400> 507
ggaaccgctc tgtatc 16

<210> 508
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 508
cggaaccgct ctgtat 16

<210> 509
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 509
acggaaccgc tctgta 16

<210> 510
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 510
gacggaaccg ctctgt 16

<210> 511
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 511
tgacggaacc gctctg 16

<210> 512
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 512
gtgacggaac cgctct 16

<210> 513
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 513
ggtgacggaa ccgctc 16

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

<220>
<223> Synthetic oligonucleotide

<400> 514
agcggttccg tcacct 16

<210> 515
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 515
gaggtgacgg aaccgc 16

<210> 516
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 516
ggaggtgacg gaaccg 16

<210> 517
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 517
aggaggtgac ggaacc 16

<210> 518
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 518
taggaggtga cggaac 16

<210> 519
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 519
ttaggaggtg acggaa 16

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

<220>
<223> Synthetic oligonucleotide

<400> 520
gacagggatt ttagga 16

<210> 521
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 521
ggacagggat tttagg 16

<210> 522
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 522
cctgtcccta tcatgc 16

<210> 523
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 523
agcatgatag ggacag 16

<210> 524
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 524
cagcatgata gggaca 16

<210> 525
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 525
tcagcatgat agggac 16

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

<220>
<223> Synthetic oligonucleotide

<400> 526
gtcagcatga taggga 16

<210> 527
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 527
tgtcagcatg ataggg 16

<210> 528
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 528
ctgtcagcat gatagg 16

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

<220>
<223> Synthetic oligonucleotide

<400> 529
gctgtcagca tgatag 16

<210> 530
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 530
tatcatgctg acagct 16

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

<220>
<223> Synthetic oligonucleotide

<400> 531
gaggttgact acaaag 16

<210> 532
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 532
tgagaggttg actaca 16

<210> 533
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 533
tttgagaggt tgacta 16

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

<220>
<223> Synthetic oligonucleotide

<400> 534
tgggtttttg agaggt 16

<210> 535
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 535
ggcgatggca cgacca 16

<210> 536
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 536
gtataaggac ggccca 16

<210> 537
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 537
tcagatccgg cctggc 16

<210> 538
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 538
gtggtgtggc gtgcgc 16

<210> 539
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 539
gaacttactg tctccc 16

<210> 540
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 540
aggcagggcc gctgtc 16

<210> 541
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 541
aggattggtg ccgccc 16

<210> 542
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 542
aatcagcggg tgatgc 16

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

<220>
<223> Synthetic oligonucleotide

<400> 543
gcccagtggc cgccct 16

<210> 544
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 544
ctacagctgg tgcggt 16

<210> 545
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 545
cgccaggctt gggccc 16

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

<220>
<223> Synthetic oligonucleotide

<400> 546
gcccagataa gaagcc 16

<210> 547
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 547
ggctagttca tgccgg 16

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

<220>
<223> Synthetic oligonucleotide

<400> 548
acggcctggg cacacg 16

<210> 549
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 549
ggaaacggcc tgggca 16

<210> 550
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 550
aagggaaacg gcctgg 16

<210> 551
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 551
cgcaagggaa acggcc 16

<210> 552
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 552
tgcgcaaggg aaacgg 16

<210> 553
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 553
gctgcgcaag ggaaac 16

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

<220>
<223> Synthetic oligonucleotide

<400> 554
cccttgcgca gctctg 16

<210> 555
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 555
cacacagagc tgcgca 16

<210> 556
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 556
gaagccccct gcacac 16

<210> 557
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 557
agagaagccc cctgca 16

<210> 558
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 558
ccaagtgagc agccac 16

<210> 559
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 559
gaccaagtga gcagcc 16

<210> 560
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 560
gggaccaagt gagcag 16

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

<220>
<223> Synthetic oligonucleotide

<400> 561
cactaggccc tgccag 16

<210> 562
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 562
gagcgggggt ctgtga 16

<210> 563
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 563
cagcactttg tccggg 16

<210> 564
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 564
acctacggca agcgca 16

<210> 565
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 565
taccaggatc tccccc 16

<210> 566
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 566
gctagaggag cggcac 16

<210> 567
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 567
gcccatctca cgcccc 16

<210> 568
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 568
ccagaggcca cggcca 16

<210> 569
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 569
ccgcacaccc ctcggt 16

<210> 570
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 570
caggccgccc tgtgcg 16

<210> 571
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 571
cccaagcatt tccagc 16

<210> 572
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 572
agttccaccc tgtccc 16

<210> 573
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 573
tagagacacc tccagc 16

<210> 574
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 574
caatagagac acctcc 16

<210> 575
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 575
ccgcaataga gacacc 16

<210> 576
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 576
gaccgcaata gagaca 16

<210> 577
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 577
gggaccgcaa tagaga 16

<210> 578
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 578
ctattgcggt ccctgg 16

<210> 579
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 579
agccagggac cgcaat 16

<210> 580
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 580
gcccacccgc tcttcc 16

<210> 581
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 581
tggaaccccg gtgccc 16

<210> 582
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 582
cttcaccgtt tggcca 16

<210> 583
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 583
cgcggagcca ggccct 16

<210> 584
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 584
ccccagagtc ccgcag 16

<210> 585
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 585
acacgaaggg cccctc 16

<210> 586
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 586
gcagactgat agggcc 16

<210> 587
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 587
ggatagccgg ccccgc 16

<210> 588
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 588
cgcggccgga agcttc 16

<210> 589
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 589
cagagcatag gagagg 16

<210> 590
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 590
agcagagcat aggaga 16

<210> 591
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 591
gggagcagag catagg 16

<210> 592
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 592
gccagccacg gctgtc 16

<210> 593
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 593
gctgacggca cgcaca 16

<210> 594
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 594
tggggatggc tcgggg 16

<210> 595
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 595
caccagggct ccgcct 16

<210> 596
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 596
ggcacacggc tcaggg 16

<210> 597
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 597
cagcaagtgg ctgccc 16

<210> 598
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 598
tgggagtggt actgca 16

<210> 599
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 599
tgccatgggt ctggca 16

<210> 600
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 600
gctcctcacc tggtcc 16

<210> 601
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 601
aggacggctc ctcacc 16

<210> 602
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 602
gaggagccgt cctgcg 16

<210> 603
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 603
gctgcgcagg acggct 16

<210> 604
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 604
gggcgaacca cccacc 16

<210> 605
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 605
gcccaaagga tctgcc 16

<210> 606
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 606
ccctattgtc ccacca 16

<210> 607
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 607
gtgcactcta ggctta 16

<210> 608
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 608
ggacacagcg gctgcc 16

<210> 609
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 609
ccgcaggttt ctgtgg 16

<210> 610
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 610
accgatagga tcggag 16

<210> 611
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 611
ggccgtcaca actttt 16

<210> 612
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 612
ctggaacctc ctactg 16

<210> 613
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 613
ggccgaatgc ttgagg 16

<210> 614
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 614
tcacagggcc ccctca 16

<210> 615
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 615
ggccttacct gggcac 16

<210> 616
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 616
ccgcaagcca ccaggg 16

<210> 617
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 617
atctccccct gattgg 16

<210> 618
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 618
caggatctcc ccctga 16

<210> 619
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 619
gccccgtcct gactcc 16

<210> 620
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 620
gagccccgtc ctgact 16

<210> 621
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 621
ctgagcttct cggcac 16

<210> 622
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 622
aactgagctt ctcggc 16

<210> 623
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 623
ggaactgagc ttctcg 16

<210> 624
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 624
cgacacccga cccgag 16

<210> 625
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 625
gtccaggtgg cagctc 16

<210> 626
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 626
ccggacttca tcaaag 16

<210> 627
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 627
gtccaggccg ggatgg 16

<210> 628
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 628
gcggataatg gtgggc 16

<210> 629
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 629
ggctgggcgg ataatg 16

<210> 630
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 630
cttcaaactc ggctct 16

<210> 631
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 631
gtgaagagcc ccgtcc 16

<210> 632
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 632
ggtgaagagc cccgtc 16

<210> 633
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 633
caaactcggc tctttg 16

<210> 634
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 634
tcaaactcgg ctcttt 16

<210> 635
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 635
ttcaaactcg gctctt 16

<210> 636
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 636
cacttcaaac tcggct 16

<210> 637
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 637
acacttcaaa ctcggc 16

<210> 638
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 638
cacacttcaa actcgg 16

<210> 639
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 639
aacacacttc aaactc 16

<210> 640
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 640
caacacactt caaact 16

<210> 641
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 641
tcaacacact tcaaac 16

<210> 642
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 642
gagatcaaca cacttc 16

<210> 643
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 643
acgagatcaa cacact 16

<210> 644
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 644
cacgagatca acacac 16

<210> 645
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 645
accacgagat caacac 16

<210> 646
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 646
tgagaccacg agatca 16

<210> 647
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 647
tctgagacca cgagat 16

<210> 648
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 648
ctctgagacc acgaga 16

<210> 649
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 649
ttttttatga ccgtgg 16

<210> 650
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 650
gcacactttt ttatga 16

<210> 651
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 651
ggcacacttt tttatg 16

<210> 652
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 652
tcggcacact ttttta 16

<210> 653
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 653
ctcggcacac tttttt 16

<210> 654
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 654
tctcggcaca cttttt 16

<210> 655
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 655
cttctcggca cacttt 16

<210> 656
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 656
acccgacccg agcgac 16

<210> 657
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 657
tctcaggcga cacccg 16

<210> 658
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 658
cctcacggtc gccgcc 16

<210> 659
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 659
ggcctcacgg tcgccg 16

<210> 660
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 660
tcccggctcg gcctca 16

<210> 661
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 661
gctccccgcc cgcccg 16

<210> 662
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 662
ttgctccccg cccgcc 16

<210> 663
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 663
gttgctcccc gcccgc 16

<210> 664
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 664
cgttgctccc cgcccg 16

<210> 665
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 665
gccgttgctc cccgcc 16

<210> 666
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 666
tagccgttgc tccccg 16

<210> 667
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 667
gtagccgttg ctcccc 16

<210> 668
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 668
ctgtagccgt tgctcc 16

<210> 669
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 669
tctgtagccg ttgctc 16

<210> 670
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 670
gtctgtagcc gttgct 16

<210> 671
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 671
gacctggccc cgcggc 16

<210> 672
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 672
cgacctggcc ccgcgg 16

<210> 673
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 673
acgacctggc cccgcg 16

<210> 674
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 674
caacgacctg gccccg 16

<210> 675
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 675
tcaacgacct ggcccc 16

<210> 676
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 676
ctcaacgacc tggccc 16

<210> 677
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 677
cctcaacgac ctggcc 16

<210> 678
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 678
ccctcaacga cctggc 16

<210> 679
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 679
ctgcagtttg ttgacc 16

<210> 680
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 680
gccgatggag ctgaag 16

<210> 681
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 681
ggccgatgga gctgaa 16

<210> 682
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 682
aaggaagtcc cggccc 16

<210> 683
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 683
gaaggaagtc ccggcc 16

<210> 684
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 684
gattcctgaa ccgcgg 16

<210> 685
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 685
acgattcctg aaccgc 16

<210> 686
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 686
tgacgattcc tgaacc 16

<210> 687
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 687
gtgacgattc ctgaac 16

<210> 688
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 688
ggtgacgatt cctgaa 16

<210> 689
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 689
cgggtgacga ttcctg 16

<210> 690
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 690
cgccgggtga cgattc 16

<210> 691
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 691
tgagaggccg ccgggt 16

<210> 692
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 692
aatgagaggc cgccgg 16

<210> 693
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 693
gaatgagagg ccgccg 16

<210> 694
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 694
gcagaatgag aggccg 16

<210> 695
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 695
caaaaactcg gcatgt 16

<210> 696
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 696
gcaaaaactc ggcatg 16

<210> 697
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 697
acttgcagtg caaaaa 16

<210> 698
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 698
ggacttgcag tgcaaa 16

<210> 699
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 699
ttggacttgc agtgca 16

<210> 700
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 700
tttttggact tgcagt 16

<210> 701
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 701
ctttttggac ttgcag 16

<210> 702
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 702
aacttttgg acttgc 16

<210> 703
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 703
aaacttttg gacttg 16

<210> 704
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 704
taaacttttt ggactt 16

<210> 705
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 705
gtaaactttt tggact 16

<210> 706
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 706
tgtaaacttt ttggac 16

<210> 707
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 707
tgccggactt catcaa 16

<210> 708
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 708
ctgccggact tcatca 16

<210> 709
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 709
tcctgccgga cttcat 16

<210> 710
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 710
atctcctgcc ggactt 16

<210> 711
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 711
aatctcctgc cggact 16

<210> 712
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 712
cttcaatctc ctgccg 16

<210> 713
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 713
tcgaaggttg atgggc 16

<210> 714
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 714
ctcgaaggtt gatggg 16

<210> 715
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 715
actcgaaggt tgatgg 16

<210> 716
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 716
atgagggtca agttca 16

<210> 717
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 717
cgatgagggt caagtt 16

<210> 718
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 718
tcgatgaggg tcaagt 16

<210> 719
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 719
gtcgatgagg gtcaag 16

<210> 720
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 720
aggtcgatga gggtca 16

<210> 721
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 721
ggaggtcgat gagggt 16

<210> 722
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 722
ccgggaggtc gatgag 16

<210> 723
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 723
atacccggga ggtcga 16

<210> 724
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 724
tgatacccgg gaggtc 16

<210> 725
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 725
ggtgataccc gggagg 16

<210> 726
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 726
tggtgatacc cgggag 16

<210> 727
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 727
ttggtgatac ccggga 16

<210> 728
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 728
ccttggtgat acccgg 16

<210> 729
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 729
ccttgatctg gtactc 16

<210> 730
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 730
tccttgatct ggtact 16

<210> 731
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 731
tgtccttgat ctggta 16

<210> 732
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 732
catgtccttg atctgg 16

<210> 733
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 733
atcatgtcct tgatct 16

<210> 734
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 734
gatcatgtcc ttgatc 16

<210> 735
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 735
ggatcatgtc cttgat 16

<210> 736
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 736
aatgaggctg ctctcc 16

<210> 737
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 737
gccagaatga ggctgc 16

<210> 738
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 738
ggccaggtcc atgttg 16

<210> 739
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 739
ggtccgtagg ccttgg 16

<210> 740
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 740
caccgatggt ccgtag 16

<210> 741
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 741
acgggagcaa cttgtt 16

<210> 742
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 742
ctcaacggga gcaact 16

<210> 743
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 743
tctcaacggg agcaac 16

<210> 744
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 744
cacggatgtc cttctt 16

<210> 745
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 745
tgcacggatg tccttc 16

<210> 746
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 746
ctgcacggat gtcctt 16

<210> 747
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 747
tgctgcacgg atgtcc 16

<210> 748
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 748
gtgctgcacg gatgtc 16

<210> 749
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 749
agtgctgcac ggatgt 16

<210> 750
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 750
cagtgctgca cggatg 16

<210> 751
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 751
gccagtgctg cacgga 16

<210> 752
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 752
tgccagtgct gcacgg 16

<210> 753
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 753
ctgccagtgc tgcacg 16

<210> 754
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 754
agctgccagt gctgca 16

<210> 755
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 755
tgccggtagg ccgggt 16

<210> 756
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 756
ccgaaagttc ttgtac 16

<210> 757
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 757
gggccgaaag ttcttg 16

<210> 758
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 758
cgggccgaaa gttctt 16

<210> 759
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 759
tcgggccgaa agttct 16

<210> 760
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 760
cgtcgggccg aaagtt 16

<210> 761
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 761
ggctttggtt ttgcgg 16

<210> 762
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 762
atccacccca aactgc 16

<210> 763
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 763
agtgtccacc tgatct 16

<210> 764
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 764
agagtgtcca cctgat 16

<210> 765
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 765
cagagtgtcc acctga 16

<210> 766
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 766
ccagagtgtc cacctg 16

<210> 767
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 767
ctccagagtg tccacc 16

<210> 768
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 768
ccggagagct ccagag 16

<210> 769
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 769
ccccggagag ctccag 16

<210> 770
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 770
tgcgattgat tcgggc 16

<210> 771
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 771
atgcgattga ttcggg 16

<210> 772
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 772
gaagatgcga ttgatt 16

<210> 773
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 773
ggaagatgcg attgat 16

<210> 774
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 774
tggaagatgc gattga 16

<210> 775
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 775
gtggaagatg cgattg 16

<210> 776
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 776
caaatgggaa ccgctc 16

<210> 777
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 777
tcaaatggga accgct 16

<210> 778
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 778
ctcaaatggg aaccgc 16

<210> 779
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 779
gctcaaatgg gaaccg 16

<210> 780
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 780
agctcaaatg ggaacc 16

<210> 781
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 781
caccagctca aatggg 16

<210> 782
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 782
ctccatggat gttctt 16

<210> 783
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 783
tgaaaagccc ggtcct 16

<210> 784
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 784
gtgaaaagcc cggtcc 16

<210> 785
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 785
gggtgaaaag cccggt 16

<210> 786
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 786
cgaatgccaa gtccgg 16

<210> 787
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 787
tcgaatgcca agtccg 16

<210> 788
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 788
cctcgaatgc caagtc 16

<210> 789
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 789
gcctcgaatg ccaagt 16

<210> 790
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 790
atggcctcga atgcca 16

<210> 791
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 791
cacaatggcc tcgaat 16

<210> 792
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 792
tgacgacctg cttttt 16

<210> 793
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 793
ttgacgacct gctttt 16

<210> 794
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 794
agcttgacga cctgct 16

<210> 795
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 795
tcagcttgac gacctg 16

<210> 796
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 796
tttcagcttg acgacc 16

<210> 797
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 797
tctttcagct tgacga 16

<210> 798
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 798
gctctttcag cttgac 16

<210> 799
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 799
ggctctttca gcttga 16

<210> 800
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 800
gggctctttc agcttg 16

<210> 801
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 801
cagggctctt tcagct 16

<210> 802
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 802
acacatttca gacagg 16

<210> 803
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 803
cgacacattt cagaca 16

<210> 804
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 804
tcgacacatt tcagac 16

<210> 805
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 805
gtcgacacat ttcaga 16

<210> 806
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 806
aggtcgacac atttca 16

<210> 807
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 807
ccaggtcgac acattt 16

<210> 808
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 808
accaggtcga cacatt 16

<210> 809
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 809
aaccaggtcg acacat 16

<210> 810
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 810
ggataaccag gtcgac 16

<210> 811
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 811
ctggataacc aggtcg 16

<210> 812
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 812
cctggataac caggtc 16

<210> 813
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 813
tcctggataa ccaggt 16

<210> 814
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 814
gctcctggat aaccag 16

<210> 815
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 815
ttgattagct cctgga 16

<210> 816
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 816
tattgattag ctcctg 16

<210> 817
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 817
gtattgatta gctcct 16

<210> 818
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 818
tgtattgatt agctcc 16

<210> 819
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 819
ctgtattgat tagctc 16

<210> 820
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 820
actgtattga ttagct 16

<210> 821
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 821
ctaactgtat tgatta 16

<210> 822
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 822
cctaactgta ttgatt 16

<210> 823
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 823
tgcctaactg tattga 16

<210> 824
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 824
gtacactgcc taactg 16

<210> 825
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 825
ctggtacact gcctaa 16

<210> 826
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 826
actggtacac tgccta 16

<210> 827
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 827
ttactggtac actgcc 16

<210> 828
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 828
cttactggta cactgc 16

<210> 829
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 829
gcttactggt acactg 16

<210> 830
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 830
agcttactgg tacact 16

<210> 831
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 831
gagcttactg gtacac 16

<210> 832
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 832
actgagctta ctggta 16

<210> 833
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 833
aactgagctt actggt 16

<210> 834
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 834
ggaactgagc ttactg 16

<210> 835
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 835
aggaactgag cttact 16

<210> 836
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 836
taggaactga gcttac 16

<210> 837
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 837
gtaggaactg agctta 16

<210> 838
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 838
gggtaggaac tgagct 16

<210> 839
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 839
ctcctctcgc aaccgg 16

<210> 840
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 840
tgtctcctct cgcaac 16

<210> 841
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 841
ctgtctcctc tcgcaa 16

<210> 842
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 842
ctctgtctcc tctcgc 16

<210> 843
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 843
gctctgtctc ctctcg 16

<210> 844
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 844
cgctctgtct cctctc 16

<210> 845
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 845
ttcgctctgt ctcctc 16

<210> 846
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 846
acgattcgct ctgtct 16

<210> 847
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 847
gacgattcgc tctgtc 16

<210> 848
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 848
tgacgattcg ctctgt 16

<210> 849
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 849
agtggtgacg attcgc 16

<210> 850
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 850
taagtggtga cgattc 16

<210> 851
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 851
tgtaagtggt gacgat 16

<210> 852
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 852
atgtaagtgg tgacga 16

<210> 853
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 853
gatgtaagtg gtgacg 16

<210> 854
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 854
ccggatgtaa gtggtg 16

<210> 855
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 855
tcccctcccg ttcccg 16

<210> 856
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 856
tctcccctcc cgttcc 16

<210> 857
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 857
ttctcccctc ccgttc 16

<210> 858
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 858
gttctcccct cccgtt 16

<210> 859
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 859
gcagaagaat ctggtc 16

<210> 860
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 860
gatcagcaga agaatc 16

<210> 861
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 861
tcgatcagca gaagaa 16

<210> 862
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 862
tgtcgatcag cagaag 16

<210> 863
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 863
atgtcgatca gcagaa 16

<210> 864
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 864
aatgtcgatc agcaga 16

<210> 865
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 865
tcaatgtcga tcagca 16

<210> 866
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 866
gctcaatgtc gatcag 16

<210> 867
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 867
tgctcaatgt cgatca 16

<210> 868
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 868
gactgctcaa tgtcga 16

<210> 869
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 869
aggactgctc aatgtc 16

<210> 870
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 870
gtaggactgc tcaatg 16

<210> 871
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 871
tgtaggactg ctcaat 16

<210> 872
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 872
atgtaggact gctcaa 16

<210> 873
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 873
tgatgtagga ctgctc 16

<210> 874
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 874
ttgatgtagg actgct 16

<210> 875
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 875
tgttgatgta ggactg 16

<210> 876
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 876
gtgttgatgt aggact 16

<210> 877
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 877
cgtgttgatg taggac 16

<210> 878
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 878
ggcattggca aacccg 16

<210> 879
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 879
catcaggctg atgttg 16

<210> 880
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 880
tttcatcagg ctgatg 16

<210> 881
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 881
agtgactcgg cagtca 16

<210> 882
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 882
acagtgactc ggcagt 16

<210> 883
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 883
gacagtgact cggcag 16

<210> 884
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 884
ggacagtgac tcggca 16

<210> 885
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 885
caggacagtg actcgg 16

<210> 886
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 886
ccaggacagt gactcg 16

<210> 887
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 887
accaggacag tgactc 16

<210> 888
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 888
taccaggaca gtgact 16

<210> 889
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 889
tcacggatct tgaggt 16

<210> 890
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 890
catcacggat cttgag 16

<210> 891
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 891
acatcacgga tcttga 16

<210> 892
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 892
cacatcacgg atcttg 16

<210> 893
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 893
ctccacatca cggatc 16

<210> 894
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 894
cttctccaca tcacgg 16

<210> 895
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 895
tgaagatggc gaagac 16

<210> 896
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 896
ttgaagatgg cgaaga 16

<210> 897
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 897
gttgaagatg gcgaag 16

<210> 898
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 898
ccgcaggtcc ttgtag 16

<210> 899
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 899
tgccgcaggt ccttgt 16

<210> 900
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 900
ggccagctcg atctgc 16

<210> 901
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 901
ggaggaacga ggcctt 16

<210> 902
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 902
cggaggaacg aggcct 16

<210> 903
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 903
ctcggaggaa cgaggc 16

<210> 904
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 904
cgccagctcg gaggaa 16

<210> 905
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 905
gagaaggtgt tctcct 16

<210> 906
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 906
atggagaagg tgttct 16

<210> 907
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 907
ggacttgttg atgatg 16

<210> 908
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 908
tggacttgtt gatgat 16

<210> 909
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 909
gatggacttg ttgatg 16

<210> 910
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 910
ggatggactt gttgat 16

<210> 911
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 911
cggatggact tgttga 16

<210> 912
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 912
gcggatggac ttgttg 16

<210> 913
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 913
cgcggatgga cttgtt 16

<210> 914
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 914
catgaggtcg cggatg 16

<210> 915
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 915
gcatgaggtc gcggat 16

<210> 916
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 916
tggcatgagg tcgcgg 16

<210> 917
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 917
tggatgaagg ccttcg 16

<210> 918
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 918
ggagtatagg taggcc 16

<210> 919
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 919
gaggagtata ggtagg 16

<210> 920
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 920
gccgaggagt ataggt 16

<210> 921
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 921
tgccgaggag tatagg 16

<210> 922
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 922
cttgagggca tggtac 16

<210> 923
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 923
tgtcatcgac aggcgg 16

<210> 924
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 924
ggacaccggt cggcgc 16

<210> 925
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 925
tggacaccgg tcggcg 16

<210> 926
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 926
tatgctggac accggt 16

<210> 927
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 927
tgtatgctgg acaccg 16

<210> 928
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 928
gtgtatgctg gacacc 16

<210> 929
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 929
ggtgtatgct ggacac 16

<210> 930
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 930
cgggaacagg aatcag 16

<210> 931
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 931
acgggaacag gaatca 16

<210> 932
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 932
ccccacggga acagga 16

<210> 933
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 933
cgagaaggag gctgct 16

<210> 934
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 934
ccgagaagga ggctgc 16

<210> 935
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 935
gccgagaagg aggctg 16

<210> 936
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 936
gcaaacacgc tctggg 16

<210> 937
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 937
ggcaaacacg ctctgg 16

<210> 938
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 938
tggcaaacac gctctg 16

<210> 939
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 939
ttggcaaaca cgctct 16

<210> 940
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 940
tgttggcaaa cacgct 16

<210> 941
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 941
actgttggca aacacg 16

<210> 942
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 942
cactgttggc aaacac 16

<210> 943
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 943
tcactgttgg caaaca 16

<210> 944
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 944
gtcactgttg gcaaac 16

<210> 945
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 945
ggtcactgtt ggcaaa 16

<210> 946
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 946
aggtcactgt tggcaa 16

<210> 947
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 947
agaggtcact gttggc 16

<210> 948
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 948
aagaggtcac tgttgg 16

<210> 949
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 949
gaagaggtca ctgttg 16

<210> 950
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 950
gggaagaggt cactgt 16

<210> 951
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 951
cgagatggga tctgag 16

<210> 952
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 952
ccgagatggg atctga 16

<210> 953
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 953
gccgagatgg gatctg 16

<210> 954
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 954
actggccgag atggga 16

<210> 955
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 955
aactggccga gatggg 16

<210> 956
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 956
cgaactggcc gagatg 16

<210> 957
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 957
ccgaactggc cgagat 16

<210> 958
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 958
atccgaactg gccgag 16

<210> 959
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 959
gatccgaact ggccga 16

<210> 960
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 960
gccggctggg cgcagc 16

<210> 961
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 961
taatggtggg ccggct 16

<210> 962
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 962
gataatggtg ggccgg 16

<210> 963
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 963
ggataatggt gggccg 16

<210> 964
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 964
cggataatgg tgggcc 16

<210> 965
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 965
ctcggctggg cggata 16

<210> 966
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 966
cagggatggc tcggct 16

<210> 967
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 967
tcgagcaggg atggct 16

<210> 968
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 968
gtcgagcagg gatggc 16

<210> 969
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 969
gcctagtcga gcaggg 16

<210> 970
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 970
cgagagcacg cccccc 16

<210> 971
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 971
ccccgagagc acgccc 16

<210> 972
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 972
actgaagctc ctgcgc 16

<210> 973
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 973
gcggagggcc ccagac 16

<210> 974
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 974
gttaaggaag aggcca 16

<210> 975
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 975
tgcggtgtcc agccag 16

<210> 976
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 976
agtgcggtgt ccagcc 16

<210> 977
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 977
cagtgcggtg tccagc 16

<210> 978
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 978
gcagtgcggt gtccag 16

<210> 979
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 979
gcgcagtgcg gtgtcc 16

<210> 980
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 980
tgcgcagtgc ggtgtc 16

<210> 981
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 981
cctttgcgca gtgcgg 16

<210> 982
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 982
ccctttgcgc agtgcg 16

<210> 983
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 983
gccccttttgc gcagtg 16

<210> 984
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 984
ggccccttttg cgcagt 16

<210> 985
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 985
gtgcaacacc ccagcg 16

<210> 986
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 986
ccaaagtgca acaccc 16

<210> 987
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 987
cccaaagtgc aacacc 16

<210> 988
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 988
tgccaccctg agactc 16

<210> 989
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 989
tcaagggttc tggtcc 16

<210> 990
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 990
gtcaagggtt ctggtc 16

<210> 991
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 991
gtgtcaaggg ttctgg 16

<210> 992
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 992
tggtgtcaag ggttct 16

<210> 993
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 993
atggtgtcaa gggttc 16

<210> 994
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 994
gatggtgtca agggtt 16

<210> 995
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 995
aggatggtgt caaggg 16

<210> 996
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 996
caggatggtg tcaagg 16

<210> 997
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 997
tcaggatggt gtcaag 16

<210> 998
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 998
attcaggatg gtgtca 16

<210> 999
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 999
tcattcagga tggtgt 16

<210> 1000
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1000
cctcattcag gatggt 16

<210> 1001
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1001
gtagagtccc ccccag 16

<210> 1002
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1002
tggtagagtc cccccc 16

<210> 1003
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1003
ttggtagagt cccccc 16

<210> 1004
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1004
cttggtagag tccccc 16

<210> 1005
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1005
accttggtag agtccc 16

<210> 1006
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1006
gaccttggta gagtcc 16

<210> 1007
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1007
gaagaccttg gtagag 16

<210> 1008
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1008
aagaagacct tggtag 16

<210> 1009
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1009
caagaagacc ttggta 16

<210> 1010
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1010
ccaagaagac cttggt 16

<210> 1011
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1011
cccaagaaga ccttgg 16

<210> 1012
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1012
gcccaagaag accttg 16

<210> 1013
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1013
ctacatgggc tttccc 16

<210> 1014
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1014
ccctacatgg gctttc 16

<210> 1015
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1015
tatagaaggc ctgccc 16

<210> 1016
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1016
cttatagaag gcctgc 16

<210> 1017
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1017
acttatagaa ggcctg 16

<210> 1018
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1018
cacttataga aggcct 16

<210> 1019
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1019
cgcacttata gaaggc 16

<210> 1020
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1020
ccgcacttat agaagg 16

<210> 1021
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1021
ccctgcaccc cagcaa 16

<210> 1022
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1022
ataccctgc acccca 16

<210> 1023
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1023
atatacccct gcaccc 16

<210> 1024
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1024
gatatacccc tgcacc 16

<210> 1025
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1025
tgatataccc ctgcac 16

<210> 1026
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1026
ttgatatacc cctgca 16

<210> 1027
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1027
gttgatatac ccctgc 16

<210> 1028
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1028
gggaagttga tatacc 16

<210> 1029
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1029
tgggaagttg atatac 16

<210> 1030
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1030
aatgggaagt tgatat 16

<210> 1031
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1031
taatgggaag ttgata 16

<210> 1032
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1032
ctaatgggaa gttgat 16

<210> 1033
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1033
tgctaatggg aagttg 16

<210> 1034
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1034
ctgctaatgg gaagtt 16

<210> 1035
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1035
tcctgctaat gggaag 16

<210> 1036
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1036
ctcctgctaa tgggaa 16

<210> 1037
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1037
gagctcctgc taatgg 16

<210> 1038
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1038
ggccaggctt gccgct 16

<210> 1039
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1039
taccgagccc actggg 16

<210> 1040
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1040
cactaccgag cccact 16

<210> 1041
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1041
ggcactaccg agccca 16

<210> 1042
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1042
ctgggcacta ccgagc 16

<210> 1043
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1043
gccagctggg cactac 16

<210> 1044
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1044
tgccagctgg gcacta 16

<210> 1045
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1045
tacacctcag gcctgc 16

<210> 1046
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1046
gtacacctca ggcctg 16

<210> 1047
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1047
atgtacacct caggcc 16

<210> 1048
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1048
tatgtacacc tcaggc 16

<210> 1049
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1049
actatgtaca cctcag 16

<210> 1050
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1050
gactatgtac acctca 16

<210> 1051
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1051
aggactatgt acacct 16

<210> 1052
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1052
aaggactatg tacacc 16

<210> 1053
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1053
ggaaggacta tgtaca 16

<210> 1054
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1054
gggaaggact atgtac 16

<210> 1055
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1055
cgggaaggac tatgta 16

<210> 1056
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1056
ccgggaagga ctatgt 16

<210> 1057
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1057
gccgggaagg actatg 16

<210> 1058
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1058
atatggccgg gaagga 16

<210> 1059
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1059
taatatggcc gggaag 16

<210> 1060
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1060
ttaatatggc cgggaa 16

<210> 1061
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1061
gttaatatgg ccggga 16

<210> 1062
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1062
tggttaatat ggccgg 16

<210> 1063
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1063
gtggttaata tggccg 16

<210> 1064
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1064
tgtggttaat atggcc 16

<210> 1065
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1065
tgtgtggtta atatgg 16

<210> 1066
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1066
ctgtgtggtt aatatg 16

<210> 1067
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1067
gctgtgtggt taatat 16

<210> 1068
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1068
aggctgtgtg gttaat 16

<210> 1069
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1069
ggcctagcaa aggcac 16

<210> 1070
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1070
gccaacggct ccgggc 16

<210> 1071
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1071
gcccgggcca acggct 16

<210> 1072
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1072
caaggccggc ccgggc 16

<210> 1073
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1073
ggcaaggccg gcccgg 16

<210> 1074
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1074
aatagggcaa ggccgg 16

<210> 1075
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1075
gaatagggca aggccg 16

<210> 1076
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1076
ggaatagggc aaggcc 16

<210> 1077
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1077
gaggaatagg gcaagg 16

<210> 1078
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1078
agaggaatag ggcaag 16

<210> 1079
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1079
gagaggaata gggcaa 16

<210> 1080
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1080
aggagaggaa tagggc 16

<210> 1081
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1081
acatagccca agccca 16

<210> 1082
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1082
cacatagccc aagccc 16

<210> 1083
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1083
ccacatagcc caagcc 16

<210> 1084
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1084
acccacatag cccaag 16

<210> 1085
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1085
acccatcagg gaggca 16

<210> 1086
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1086
cagagagagg ccgccc 16

<210> 1087
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1087
cctcagagag aggccg 16

<210> 1088
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1088
agcgaggagt gggtga 16

<210> 1089
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1089
ctgagcgagg agtggg 16

<210> 1090
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1090
actgagcgag gagtgg 16

<210> 1091
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1091
aaactgagcg aggagt 16

<210> 1092
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1092
caaactgagc gaggag 16

<210> 1093
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1093
gtcaaactga gcgagg 16

<210> 1094
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1094
ggtcaaactg agcgag 16

<210> 1095
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1095
tggtcaaact gagcga 16

<210> 1096
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1096
agtggtcaaa ctgagc 16

<210> 1097
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1097
cagtggtcaa actgag 16

<210> 1098
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1098
acagtggtca aactga 16

<210> 1099
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1099
tacagtggtc aaactg 16

<210> 1100
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1100
ttacagtggt caaact 16

<210> 1101
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1101
acttacagtg gtcaaa 16

<210> 1102
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1102
cacttacagt ggtcaa 16

<210> 1103
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1103
gcacttacag tggtca 16

<210> 1104
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1104
ggcacttaca gtggtc 16

<210> 1105
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1105
aggcacttac agtggt 16

<210> 1106
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1106
gtgcaggcac ttacag 16

<210> 1107
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1107
agagtgcagg cactta 16

<210> 1108
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1108
acagagtgca ggcact 16

<210> 1109
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1109
tacagagtgc aggcac 16

<210> 1110
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1110
atacagagtg caggca 16

<210> 1111
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1111
gaatacagag tgcagg 16

<210> 1112
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1112
agaatacaga gtgcag 16

<210> 1113
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1113
tagaatacag agtgca 16

<210> 1114
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1114
aatagaatac agagtg 16

<210> 1115
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1115
gctcaccggc ccacga 16

<210> 1116
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1116
cgcgggcacg caagcg 16

<210> 1117
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1117
cgtgacaccg cccctg 16

<210> 1118
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1118
atctacccca gaccca 16

<210> 1119
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1119
cagaagaggg atctac 16

<210> 1120
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1120
caatagatat ctagat 16

<210> 1121
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1121
cccaatagat atctag 16

<210> 1122
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1122
agatacaaga acaagc 16

<210> 1123
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1123
agctagccag acagca 16

<210> 1124
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1124
caacagaggg actgct 16

<210> 1125
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1125
acagtagagg ccagct 16

<210> 1126
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1126
cggaagagag gagcca 16

<210> 1127
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1127
tcacacggaa gagagg 16

<210> 1128
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1128
gaagaattca cacgga 16

<210> 1129
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1129
gtccaaacct cctcct 16

<210> 1130
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1130
tcctgaagta aggtac 16

<210> 1131
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1131
tcggaaagga atcctg 16

<210> 1132
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1132
aatttgtagg ctgtag 16

<210> 1133
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1133
tccaaaggag ggcccc 16

<210> 1134
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1134
caccgcggct tctcaa 16

<210> 1135
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1135
gagaagtggc cgccca 16

<210> 1136
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1136
ccacaaatga gtagtt 16

<210> 1137
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1137
cattatccct tgacaa 16

<210> 1138
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1138
atcaagaagg gacatt 16

<210> 1139
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1139
ggtgatcaca gtccct 16

<210> 1140
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1140
agagacaagg tagcaa 16

<210> 1141
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1141
aggcaatgag ctagag 16

<210> 1142
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1142
gaagatggtc actcaa 16

<210> 1143
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1143
aggaagatgg tcactc 16

<210> 1144
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1144
gtcaaccaag acttag 16

<210> 1145
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1145
tagaatggca tcttgt 16

<210> 1146
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1146
ccggatctgg ttctgt 16

<210> 1147
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1147
aaccagccag ataaac 16

<210> 1148
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1148
gcttaagtgt gtaacg 16

<210> 1149
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1149
ggcttaagtg tgtaac 16

<210> 1150
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1150
gattatagca atgcct 16

<210> 1151
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1151
gctcagctat ctgagc 16

<210> 1152
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1152
ccagacacca tggtag 16

<210> 1153
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1153
atataatgag caactc 16

<210> 1154
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1154
gtgagactcg gtgtaa 16

<210> 1155
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1155
gtggtaacgc gcgcct 16

<210> 1156
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1156
aatactctta acgagg 16

<210> 1157
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1157
accttatctc ttacac 16

<210> 1158
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1158
tccaggctcg gcgcaa 16

<210> 1159
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1159
agctataggg ctgaac 16

<210> 1160
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1160
cgcaggtaaa acaaaa 16

<210> 1161
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1161
acgcaggtaa aacaaa 16

<210> 1162
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1162
agctacgcag gtaaaa 16

<210> 1163
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1163
aaaagctacg caggta 16

<210> 1164
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1164
ccggatattg actgga 16

<210> 1165
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1165
tgtcttagag ccacaa 16

<210> 1166
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1166
ctctatagat ctgagt 16

<210> 1167
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1167
gacaactcag aactct 16

<210> 1168
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1168
taccaccctc agctta 16

<210> 1169
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1169
cgccaggtga aactga 16

<210> 1170
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1170
ccacaaggga caaagg 16

<210> 1171
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1171
tcgaagccat tactgc 16

<210> 1172
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1172
tgctagggag tagtgg 16

<210> 1173
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1173
gcaaaatgat ctaggc 16

<210> 1174
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1174
ccgcagacaa gccagg 16

<210> 1175
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1175
ccaaagttct atctgc 16

<210> 1176
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1176
tgacaagggt caagag 16

<210> 1177
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1177
ctaaatgaca agggtc 16

<210> 1178
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1178
ggctaaatga caaggg 16

<210> 1179
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1179
gtataagacc ctatct 16

<210> 1180
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1180
atttgaggcg aggagg 16

<210> 1181
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1181
ttttaaagaa gacggg 16

<210> 1182
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1182
tgctattata actcct 16

<210> 1183
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1183
gaacaacacc taatgt 16

<210> 1184
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1184
gaacgaacaa caccta 16

<210> 1185
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1185
aatgaacgaa caacac 16

<210> 1186
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1186
agtaaaagta ctcagg 16

<210> 1187
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1187
tggtaacttg ctcagg 16

<210> 1188
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1188
gctgaaaggc cagctc 16

<210> 1189
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1189
ctacaggtgt caccat 16

<210> 1190
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1190
acttatcgcc tttttt 16

<210> 1191
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1191
ctccactggc ctgcta 16

<210> 1192
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1192
agggacagca gtagcg 16

<210> 1193
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1193
agaaaaatgg cacggg 16

<210> 1194
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1194
taaaaacgca gctgga 16

<210> 1195
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1195
tgcactggtg cagcac 16

<210> 1196
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1196
ggctctaaac taataa 16

<210> 1197
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1197
tcgggattca ctatgt 16

<210> 1198
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1198
cgcttactgc aagttc 16

<210> 1199
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1199
cctaaccgag ccttgc 16

<210> 1200
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1200
acaacaattt gctacg 16

<210> 1201
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1201
tcacaacaat ttgcta 16

<210> 1202
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1202
tgacaccaaa ctgagc 16

<210> 1203
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1203
aaagaaacta aggccg 16

<210> 1204
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1204
taatgatgag ttcctt 16

<210> 1205
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1205
caacagagta atgatg 16

<210> 1206
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1206
cgatatttca ggatct 16

<210> 1207
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1207
ctcatcaccg tacaca 16

<210> 1208
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1208
ccctatcatt ggtttt 16

<210> 1209
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1209
taacaggtct tgtgca 16

<210> 1210
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1210
acgattcaca tgtggg 16

<210> 1211
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1211
aacctaatcc ccaaac 16

<210> 1212
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1212
agcacttgga cagcct 16

<210> 1213
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1213
gaaaaagcac ttggac 16

<210> 1214
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1214
caataagtaa ctctga 16

<210> 1215
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1215
atctacaact gtcccc 16

<210> 1216
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1216
aataatgaga ccccac 16

<210> 1217
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1217
taaatctaac ctaggc 16

<210> 1218
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1218
cagaagtttg gcagat 16

<210> 1219
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1219
tcaaatcggg cagaag 16

<210> 1220
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1220
aaattacggt ttacat 16

<210> 1221
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1221
taaattacgg tttaca 16

<210> 1222
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1222
ttgtagttgg caatcc 16

<210> 1223
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1223
ggcttaatta cagctt 16

<210> 1224
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1224
cacaataagg gcttaa 16

<210> 1225
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1225
acacaataag ggctta 16

<210> 1226
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1226
ccctataaat atctca 16

<210> 1227
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1227
acgcacccgg aagcag 16

<210> 1228
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1228
aaacagtcat ccagct 16

<210> 1229
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1229
tggcacacgg tgattc 16

<210> 1230
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1230
gcacatgtgg cacacg 16

<210> 1231
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1231
agggatgcta agagca 16

<210> 1232
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1232
tataaagcag ggatgc 16

<210> 1233
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1233
ccatatgtgt ggctct 16

<210> 1234
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1234
gcatatccaa agccac 16

<210> 1235
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1235
catttaactg ttcacc 16

<210> 1236
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1236
cgacagacaa gtacca 16

<210> 1237
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1237
gcatacagcc tttttt 16

<210> 1238
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1238
cgcatacagc cttttt 16

<210> 1239
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1239
accgcataca gccttt 16

<210> 1240
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1240
caccgcatac agcctt 16

<210> 1241
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1241
aaccaccgca tacagc 16

<210> 1242
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1242
tgaaccaccg cataca 16

<210> 1243
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1243
tgcaaccttc aagtaa 16

<210> 1244
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1244
gcaaaccgct tctcac 16

<210> 1245
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1245
ccccaagtcc tggcgg 16

<210> 1246
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1246
gaaaagtcgg cattcc 16

<210> 1247
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1247
tgacagtggt gctccc 16

<210> 1248
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1248
tggcatgtgg ttgttg 16

<210> 1249
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1249
aacaaatata tgcacg 16

<210> 1250
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1250
tcgcacctcg ggattc 16

<210> 1251
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1251
gtgaaattca ctccat 16

<210> 1252
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1252
ggaagatgtc cttgct 16

<210> 1253
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1253
atagatggag caaatc 16

<210> 1254
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1254
ttatatagat ggagca 16

<210> 1255
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1255
acgcagatag acaccc 16

<210> 1256
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1256
gccaacgcag atagac 16

<210> 1257
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1257
tgccatacag ggcctc 16

<210> 1258
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1258
gaaagagcag tggtgc 16

<210> 1259
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1259
gggcatggag gtgtca 16

<210> 1260
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1260
cgcgaaagtg tgtcac 16

<210> 1261
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1261
tatcacccag caggca 16

<210> 1262
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1262
ggccagctgg taggcc 16

<210> 1263
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1263
gtcaagctga gccagt 16

<210> 1264
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1264
acagaagccg ggcttc 16

<210> 1265
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1265
atcaattttc acccag 16

<210> 1266
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1266
gtgcatcaat tttcac 16

<210> 1267
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1267
aaagagttta agggcg 16

<210> 1268
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1268
ccacaacgag taaaca 16

<210> 1269
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1269
ggacagggtg aattgt 16

<210> 1270
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1270
agtcacacct agaaat 16

<210> 1271
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1271
gacttatagg ctcact 16

<210> 1272
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1272
tactagactt ataggc 16

<210> 1273
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1273
gttactagac ttatag 16

<210> 1274
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1274
tgttactaga cttata 16

<210> 1275
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1275
atatagcagg gacctg 16

<210> 1276
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1276
ctaaatatag caggga 16

<210> 1277
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1277
cactaaatat agcagg 16

<210> 1278
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1278
tttgagcccg agaggg 16

<210> 1279
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1279
ttatttctag gcaggg 16

<210> 1280
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1280
gtaaatttga agctta 16

<210> 1281
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1281
aattagagga cactgg 16

<210> 1282
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1282
gctttaactc ctagac 16

<210> 1283
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1283
gtataccaag gttaat 16

<210> 1284
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1284
cttaatagta gtatac 16

<210> 1285
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1285
cacacgaggt ctcact 16

<210> 1286
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1286
ctacacacga ggtctc 16

<210> 1287
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1287
tacattctgg ctttgg 16

<210> 1288
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1288
tctcagtatg tatact 16

<210> 1289
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1289
tgtccagtcc taagac 16

<210> 1290
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1290
aatgtccagt cctaag 16

<210> 1291
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1291
caatgtccag tcctaa 16

<210> 1292
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1292
gcaatgtcca gtccta 16

<210> 1293
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1293
atgcaatgtc cagtcc 16

<210> 1294
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1294
gatgcaatgt ccagtc 16

<210> 1295
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1295
agatgcaatg tccagt 16

<210> 1296
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1296
ctagatgcaa tgtcca 16

<210> 1297
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1297
gcttaaggag atccga 16

<210> 1298
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1298
ggcttaagga gatccg 16

<210> 1299
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1299
ggctgagttg cttccc 16

<210> 1300
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1300
ttccagataa gcccta 16

<210> 1301
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1301
caccaatggc cttctt 16

<210> 1302
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1302
gaagatggct ggacga 16

<210> 1303
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1303
cagaagatgg ctggac 16

<210> 1304
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1304
caataattta tcagtc 16

<210> 1305
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1305
gggaaaccta gcaagc 16

<210> 1306
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1306
cccaaaggat agagta 16

<210> 1307
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1307
ttacatgagt ctagga 16

<210> 1308
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1308
tattacatga gtctag 16

<210> 1309
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1309
gattattaca tgagtc 16

<210> 1310
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1310
ggcaagagga ttatta 16

<210> 1311
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1311
agcaacttta gggaga 16

<210> 1312
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1312
gaacagacag ttcagg 16

<210> 1313
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1313
aagatatgtg gttttg 16

<210> 1314
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1314
gagcatcacc agccca 16

<210> 1315
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1315
tagaaatgag tgggcg 16

<210> 1316
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1316
agctacagca atatag 16

<210> 1317
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1317
actcacatgg cctgat 16

<210> 1318
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1318
ctagactaga caaaac 16

<210> 1319
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1319
atatatatgt ggaggc 16

<210> 1320
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1320
ctaatacaca atgatc 16

<210> 1321
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1321
caaaaaacta ataccg 16

<210> 1322
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1322
aaccagtacc agctgg 16

<210> 1323
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1323
agaaactgta ctggtc 16

<210> 1324
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1324
ggatattctt aacagg 16

<210> 1325
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1325
agctaggaag gatatt 16

<210> 1326
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1326
aagtatgcgc tgccat 16

<210> 1327
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1327
tgggactgta agtatg 16

<210> 1328
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1328
ggatataggg tctccc 16

<210> 1329
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1329
catgaggtag gacagc 16

<210> 1330
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1330
gaaaaagcca tgaggt 16

<210> 1331
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1331
ccacagggtt atctgg 16

<210> 1332
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1332
aaggaggctt ttaagc 16

<210> 1333
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1333
aggaatgaca agtggt 16

<210> 1334
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1334
cgcataggtg gaacaa 16

<210> 1335
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1335
caagaaacca aacgca 16

<210> 1336
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1336
aatatacggg catgtt 16

<210> 1337
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1337
aaatatacgg gcatgt 16

<210> 1338
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1338
aaaaatatac gggcat 16

<210> 1339
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1339
acaaaaatat acgggc 16

<210> 1340
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1340
tacaaaaata tacggg 16

<210> 1341
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1341
tcaaacaaat aggccg 16

<210> 1342
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1342
atgcaaggga ctgcgc 16

<210> 1343
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1343
acctatcgca tgccag 16

<210> 1344
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1344
gttcaggtca gagcct 16

<210> 1345
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1345
tctcaatgaa agtctc 16

<210> 1346
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1346
gtaacaaccg ctggga 16

<210> 1347
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1347
ttaaagagta acaacc 16

<210> 1348
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1348
gcccagctaa ctaact 16

<210> 1349
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1349
gactacagta caggcg 16

<210> 1350
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1350
agaacaaggg aacacg 16

<210> 1351
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1351
ccccatagaa gaacaa 16

<210> 1352
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1352
gattaggtat tatggt 16

<210> 1353
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1353
tcaaaaggat taggta 16

<210> 1354
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1354
atccactgaa tagtat 16

<210> 1355
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1355
ctacaaaatc agatag 16

<210> 1356
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1356
gacattagtg gcttcc 16

<210> 1357
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1357
aaccagcatg gatgaa 16

<210> 1358
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1358
tgcaaccttg cccccc 16

<210> 1359
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1359
tagtattcaa aaaacg 16

<210> 1360
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1360
caaattaaat acaccc 16

<210> 1361
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1361
gaatactatt ctaaca 16

<210> 1362
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1362
caccacaatt tgctct 16

<210> 1363
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1363
tcagaaaagg agggta 16

<210> 1364
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1364
ttccacttca agaacc 16

<210> 1365
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1365
tgtaagcaac tgtatt 16

<210> 1366
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1366
tgagaagata tgctga 16

<210> 1367
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1367
aacctatgta tcaaag 16

<210> 1368
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1368
caaagtagtt cctcca 16

<210> 1369
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1369
tacaaagtag ttcctc 16

<210> 1370
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1370
cccaagagta aaatac 16

<210> 1371
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1371
acgaaaccaa taagac 16

<210> 1372
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1372
gaaaatacga aaccaa 16

<210> 1373
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1373
taataatgga tggaac 16

<210> 1374
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1374
tggtatcagg caagaa 16

<210> 1375
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1375
catgatgctg caatca 16

<210> 1376
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1376
cacaagcctg cggacc 16

<210> 1377
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1377
gagcatagca gacaca 16

<210> 1378
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1378
ggcaacatca ctctaa 16

<210> 1379
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1379
caaagagcct tggcac 16

<210> 1380
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1380
caggactagt tcacta 16

<210> 1381
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1381
atgaaattgg gataac 16

<210> 1382
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1382
atgaaggctg ccactt 16

<210> 1383
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1383
agcaagatca ttgggt 16

<210> 1384
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1384
ggaaaccttg gactcc 16

<210> 1385
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1385
gtctattggc acacag 16

<210> 1386
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1386
gattaagtca tccggt 16

<210> 1387
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1387
gggcactgca caaagc 16

<210> 1388
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1388
agtcagcgga gactga 16

<210> 1389
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1389
cggcaaaaga agctgg 16

<210> 1390
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1390
agctagagca tcagct 16

<210> 1391
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1391
ctggaaacag tctcgc 16

<210> 1392
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1392
agccgaagtg tagtgg 16

<210> 1393
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1393
ggccaagtct cccatc 16

<210> 1394
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1394
ccggacccgt tcttga 16

<210> 1395
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1395
aggtagtgac ctccag 16

<210> 1396
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1396
acccacagtc tgcatt 16

<210> 1397
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1397
gcccaagtga actaga 16

<210> 1398
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1398
atgtatggat ttccag 16

<210> 1399
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1399
ttacagggtg gtcagc 16

<210> 1400
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1400
gtaaaacggt tgtggt 16

<210> 1401
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1401
caacaggtgt cctgct 16

<210> 1402
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1402
tgtcatccta actgct 16

<210> 1403
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1403
agaaactggc cggccc 16

<210> 1404
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1404
tttatagtct ccaacg 16

<210> 1405
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1405
acggactgga ttatgc 16

<210> 1406
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1406
ggctaaatca atcttg 16

<210> 1407
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1407
cgataatgac ctaaat 16

<210> 1408
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1408
ccgataatga cctaaa 16

<210> 1409
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1409
gaatatcaac accttg 16

<210> 1410
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1410
agtgatatgc tgccta 16

<210> 1411
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1411
ggtttatttg cacctc 16

<210> 1412
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1412
taccagggac tcaact 16

<210> 1413
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1413
ggccagacat tgctgt 16

<210> 1414
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1414
cacattggtg gtcaag 16

<210> 1415
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1415
ctcataacat ttgacg 16

<210> 1416
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1416
aaaaaagccg gcacgg 16

<210> 1417
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1417
aaaattggtt gagtgc 16

<210> 1418
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1418
gtaaaactca ggctga 16

<210> 1419
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1419
caaaagagaa cattcg 16

<210> 1420
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1420
tgttatgtgg gaatga 16

<210> 1421
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1421
agggacacaa caggct 16

<210> 1422
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1422
cacaatccac tcctgg 16

<210> 1423
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1423
ccacaatcca ctcctg 16

<210> 1424
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1424
ttgcagaaca atgggc 16

<210> 1425
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1425
gcgcagggtc ccgtat 16

<210> 1426
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1426
tattagagtg gcagcc 16

<210> 1427
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1427
tgccactcac aactgg 16

<210> 1428
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1428
cgccatagga agctgc 16

<210> 1429
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1429
gagcaggcgg gcagct 16

<210> 1430
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1430
aacagagcag gcgggc 16

<210> 1431
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1431
taacagagca ggcggg 16

<210> 1432
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1432
cattaacaga gcaggc 16

<210> 1433
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1433
gcattaacag agcagg 16

<210> 1434
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1434
agccacatat gcctcc 16

<210> 1435
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1435
tgttatgggc cctcct 16

<210> 1436
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1436
tccaaggctg tcagcg 16

<210> 1437
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1437
cacgaggctg cagacc 16

<210> 1438
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1438
ccgcaggtag gtgcca 16

<210> 1439
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1439
gcccaagcct tacagt 16

<210> 1440
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1440
agccattggt caccca 16

<210> 1441
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1441
ccgcacccac ctcagg 16

<210> 1442
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1442
caccaatgag gcagac 16

<210> 1443
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1443
gtggactgag gttcag 16

<210> 1444
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1444
ctctaacccc atctcg 16

<210> 1445
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1445
tcggcaggag cccaca 16

<210> 1446
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1446
ccatatgctc agcaca 16

<210> 1447
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1447
accatatgct cagcac 16

<210> 1448
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1448
gataagccca cagagg 16

<210> 1449
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1449
caacagataa gcccac 16

<210> 1450
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1450
acagaccaca aggctc 16

<210> 1451
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1451
gaacagacca caaggc 16

<210> 1452
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1452
caggaaggcg gtaggg 16

<210> 1453
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1453
tgggaggaca cttcca 16

<210> 1454
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1454
catgaaatgg gaggac 16

<210> 1455
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1455
actgacttgg ccatcc 16

<210> 1456
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1456
ccagactgtg gagcca 16

<210> 1457
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1457
gccaagactt ctgcac 16

<210> 1458
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1458
gcctacctgg ccatgg 16

<210> 1459
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1459
gctgaccggg ttcccc 16

<210> 1460
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1460
tcctatccat gggccc 16

<210> 1461
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1461
tactattgca tcattt 16

<210> 1462
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1462
ccctagtgaa cttccc 16

<210> 1463
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1463
gcaaacctca gtctcg 16

<210> 1464
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1464
gcacaattaa gtagtt 16

<210> 1465
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1465
gcatagagta gggctg 16

<210> 1466
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1466
ccaaagcata gagtag 16

<210> 1467
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1467
cccaaagcat agagta 16

<210> 1468
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1468
cccatctgag ctgtgt 16

<210> 1469
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1469
tcgaatgaca tttcct 16

<210> 1470
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1470
agtaagacag ggtaac 16

<210> 1471
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1471
gtgcacccag gctgcc 16

<210> 1472
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1472
ttccagcctc cgtcat 16

<210> 1473
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1473
cctaagggtt ttctgg 16

<210> 1474
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1474
ccctaagggt tttctg 16

<210> 1475
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1475
ccagaagtct cctagg 16

<210> 1476
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1476
ctaaaagttc ccagac 16

<210> 1477
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1477
ggagacgcag ctctca 16

<210> 1478
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1478
ggacaagcac ccctct 16

<210> 1479
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1479
cccgaccccg gccaat 16

<210> 1480
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1480
gttcactaca gacatc 16

<210> 1481
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1481
ttctagttca ctacag 16

<210> 1482
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1482
catagtaccc cacaca 16

<210> 1483
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1483
ttgtagtgtg gaatat 16

<210> 1484
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1484
cgcccaagag aacaca 16

<210> 1485
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1485
ctccactttg tgtctg 16

<210> 1486
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1486
gccttctgag caaaca 16

<210> 1487
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1487
aaaatgggtc tgctgg 16

<210> 1488
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1488
cattaaaatg ggtctg 16

<210> 1489
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1489
accttaagtt tcttgt 16

<210> 1490
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1490
tgcaatggag tccaaa 16

<210> 1491
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1491
ccttaagttt tttggt 16

<210> 1492
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1492
tcatgattat taacct 16

<210> 1493
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1493
aggcattgag aacttt 16

<210> 1494
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1494
agctattcaa cactga 16

<210> 1495
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1495
cattagagta gctaat 16

<210> 1496
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1496
ttgaattccg catcat 16

<210> 1497
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1497
aacaaaacag gacccg 16

<210> 1498
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1498
gaagaaagtc tgtact 16

<210> 1499
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1499
ttgtagtgat cagttt 16

<210> 1500
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1500
atccatgctg ctatgc 16

<210> 1501
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1501
ttgcacaaca aagagc 16

<210> 1502
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1502
gatatattgc tgggca 16

<210> 1503
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1503
agatatattg ctgggc 16

<210> 1504
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1504
acctaaggaa gctgac 16

<210> 1505
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1505
ttaaagccca gcaaca 16

<210> 1506
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1506
acgaaaaatt cagatc 16

<210> 1507
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1507
gacgaaaaat tcagat 16

<210> 1508
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1508
acagaattgt tacaac 16

<210> 1509
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1509
gtacagggtg gacatt 16

<210> 1510
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1510
acaaaagtac agggtg 16

<210> 1511
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1511
tacaaaagta cagggt 16

<210> 1512
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1512
atacaaaagt acaggg 16

<210> 1513
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1513
agtcaaggag aacatg 16

<210> 1514
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1514
ttgtagtggg tcacgc 16

<210> 1515
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1515
catgattgcg ccgttg 16

<210> 1516
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1516
gtaattcact gcggat 16

<210> 1517
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1517
aaacttgcag cagtgg 16

<210> 1518
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1518
aaatggacta gaaggg 16

<210> 1519
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1519
agatagaaat cagggc 16

<210> 1520
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1520
tcacagggtg gacttg 16

<210> 1521
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1521
gtagacacat gtcctt 16

<210> 1522
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1522
gactacagtc tgttcg 16

<210> 1523
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1523
aacacaggag cagcat 16

<210> 1524
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1524
aacgataaaa caacac 16

<210> 1525
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1525
actgaatcac cagcag 16

<210> 1526
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1526
gcctttactt aagata 16

<210> 1527
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1527
acgcagtgtc tcaggt 16

<210> 1528
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1528
cacaagtagc cttggc 16

<210> 1529
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1529
tcacagtgga caccag 16

<210> 1530
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1530
tgacagaccc caaagt 16

<210> 1531
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1531
gaacaagcta catcaa 16

<210> 1532
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1532
tggagagggt tctctg 16

<210> 1533
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1533
gataattgga gagggt 16

<210> 1534
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1534
gcgaaccttt ctcact 16

<210> 1535
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1535
aaacaggata cgagac 16

<210> 1536
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1536
gcacaaacag gatacg 16

<210> 1537
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1537
taatcccttt ccgtca 16

<210> 1538
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1538
tgtcttcgag ccacac 16

<210> 1539
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1539
ccctacagac acttgc 16

<210> 1540
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1540
ccgtaggcag attcca 16

<210> 1541
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1541
gcgaaaccag agagat 16

<210> 1542
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1542
ggcgaaacca gagaga 16

<210> 1543
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1543
agcttttaaa cccccc 16

<210> 1544
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1544
agccagatta ttaaca 16

<210> 1545
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1545
gatgaggagg ctggtc 16

<210> 1546
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1546
acgaagaccc cccagg 16

<210> 1547
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1547
catgagaaaa gggatc 16

<210> 1548
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1548
caacaagtca gcccaa 16

<210> 1549
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1549
acacaacaag tcagcc 16

<210> 1550
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1550
ctacacaaca agtcag 16

<210> 1551
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1551
ttctagcccg tcagcc 16

<210> 1552
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1552
ttccagaaga cctgtt 16

<210> 1553
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1553
tagcactaca atcatt 16

<210> 1554
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1554
aacgagacag catcct 16

<210> 1555
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1555
gcaattggta ctgtac 16

<210> 1556
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1556
acacagggca attggt 16

<210> 1557
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1557
tcgaactcaa cctcag 16

<210> 1558
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1558
tgcctcgggt tcaagc 16

<210> 1559
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1559
tgaaaggttc taggca 16

<210> 1560
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1560
gtgaaaggtt ctaggc 16

<210> 1561
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1561
tcgaaaggaa attctg 16

<210> 1562
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1562
acattaaagg ctcgaa 16

<210> 1563
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1563
gtacattaaa ggctcg 16

<210> 1564
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1564
gtagaaacag tgggct 16

<210> 1565
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1565
gtacactcag aaagga 16

<210> 1566
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1566
gtgaatacac caggat 16

<210> 1567
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1567
actcaggcac aaccac 16

<210> 1568
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1568
cgacagagct gtttaa 16

<210> 1569
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1569
gcggaatgta aattac 16

<210> 1570
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1570
ctaaagacca ctaatt 16

<210> 1571
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1571
gactaaagac cactaa 16

<210> 1572
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1572
gtacagagcc atgact 16

<210> 1573
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1573
taaaagcctg gacaag 16

<210> 1574
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1574
tacatctgga ctatgg 16

<210> 1575
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1575
gatacctgga tgtggg 16

<210> 1576
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1576
gacaaaatag gatgtg 16

<210> 1577
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1577
aggaaagtta ttgatg 16

<210> 1578
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1578
atacgaggaa agttat 16

<210> 1579
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1579
aaaatacgag gaaagt 16

<210> 1580
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1580
ggtaaaatac gaggaa 16

<210> 1581
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1581
ccacatgtat atgggt 16

<210> 1582
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1582
ccatacccag gagatc 16

<210> 1583
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1583
aaccatttcc ctctgg 16

<210> 1584
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1584
ggcgacctca gcaaag 16

<210> 1585
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1585
aaggaagtcc ctgtga 16

<210> 1586
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1586
ggcaaccaca catcca 16

<210> 1587
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1587
actgagccgt ttttca 16

<210> 1588
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1588
ccgaagtgag agggtc 16

<210> 1589
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1589
caaaatcggg ttatct 16

<210> 1590
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1590
gcaaaatcgg gttatc 16

<210> 1591
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1591
aaggatggat gtgtca 16

<210> 1592
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1592
tgacatgcgg gaatga 16

<210> 1593
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1593
agtagaaact gggacg 16

<210> 1594
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1594
agctataaaa ccagcc 16

<210> 1595
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1595
tacaaaagag tatagc 16

<210> 1596
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1596
caccactgca cggcct 16

<210> 1597
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1597
aacataaccc ccatct 16

<210> 1598
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1598
agcaatggta gagggc 16

<210> 1599
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1599
gcaatggtgg ccgggc 16

<210> 1600
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1600
ttcaacaggc tgggtc 16

<210> 1601
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1601
tactatattc aacagg 16

<210> 1602
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1602
ccacacatag gccata 16

<210> 1603
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1603
atacactgag atcagg 16

<210> 1604
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1604
gctgggatat acgccc 16

<210> 1605
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1605
acggagaccc ttacct 16

<210> 1606
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1606
ttgcagatta gcaggg 16

<210> 1607
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1607
acaaactgag tgttga 16

<210> 1608
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1608
acacaaactg agtgtt 16

<210> 1609
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1609
cgcaagaaga cattaa 16

<210> 1610
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1610
ggcagcatgg ctaagc 16

<210> 1611
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1611
acgaaagtga ggagtc 16

<210> 1612
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1612
ggacgaaagt gaggag 16

<210> 1613
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1613
tacgaaatag cagagc 16

<210> 1614
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1614
gcccattggc ccatcg 16

<210> 1615
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1615
gatcacccgc cactgt 16

<210> 1616
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1616
caccagggac tcatta 16

<210> 1617
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1617
acacagtggt ggtccc 16

<210> 1618
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1618
tgctttaagg ctaaca 16

<210> 1619
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1619
ggcctgcgct ctgtgc 16

<210> 1620
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1620
tgccctaagg caagtg 16

<210> 1621
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1621
caacagccac aggatc 16

<210> 1622
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1622
ttccaccaac agccac 16

<210> 1623
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1623
aactatgcat ccacct 16

<210> 1624
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1624
tgcaactatg catcca 16

<210> 1625
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1625
ggctaggtgg tgtgcg 16

<210> 1626
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1626
gagattggag cctggt 16

<210> 1627
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1627
aataagagat tggagc 16

<210> 1628
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1628
caataagaga ttggag 16

<210> 1629
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1629
gcaataagag attgga 16

<210> 1630
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1630
gtgaatccaa cagaca 16

<210> 1631
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1631
caacatgcct tccagt 16

<210> 1632
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1632
tgccactccc tatccc 16

<210> 1633
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1633
gcttaatgcc ttgcct 16

<210> 1634
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1634
ccgcaatgtg ttcatt 16

<210> 1635
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1635
gtatacccca caaggc 16

<210> 1636
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1636
gtaaagggtg gcagcc 16

<210> 1637
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1637
agtcacttta acaagt 16

<210> 1638
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1638
gctaccaagg cacaga 16

<210> 1639
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1639
catggccacg atggca 16

<210> 1640
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1640
gaagagacag catacc 16

<210> 1641
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1641
agttatggtt cactgg 16

<210> 1642
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1642
actcagagtt tacggg 16

<210> 1643
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1643
ttccggtgag cacacc 16

<210> 1644
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1644
gaatcaggag ggagat 16

<210> 1645
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1645
ggcaagtgac caggtg 16

<210> 1646
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1646
acgaaggcgg caagtg 16

<210> 1647
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1647
gcagagagag tccatt 16

<210> 1648
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1648
gcgcagagag agtcca 16

<210> 1649
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1649
gcccagtagg caagaa 16

<210> 1650
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1650
aagtaacccc catcac 16

<210> 1651
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1651
ctagatacaa ggctgc 16

<210> 1652
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1652
cgccagcttg gtctgc 16

<210> 1653
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1653
acgcaaatat ctccca 16

<210> 1654
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1654
ctaatccgag gcaata 16

<210> 1655
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1655
gcacacaaca cttccc 16

<210> 1656
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1656
ggcaggatcc actcat 16

<210> 1657
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1657
aggagaggag atctgc 16

<210> 1658
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1658
acacaatgac gaggct 16

<210> 1659
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1659
tgttagtctc agggaa 16

<210> 1660
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1660
acaaacacgg ctcagc 16

<210> 1661
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1661
cgacacccag ctccgg 16

<210> 1662
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1662
ttgaaatgcc caggtc 16

<210> 1663
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1663
ttcaaaggag cttgtg 16

<210> 1664
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1664
tgcaagctgc cacctt 16

<210> 1665
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1665
tgctaaacag tcaatc 16

<210> 1666
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1666
aacctaggag gacatc 16

<210> 1667
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1667
ccctactgaa gctgga 16

<210> 1668
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1668
aatcacgctg ccaagg 16

<210> 1669
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1669
tcagagaggt tcgcag 16

<210> 1670
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1670
cggcaaactg caaagc 16

<210> 1671
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1671
caacaagcca ctgagc 16

<210> 1672
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1672
taacaatcca ctggcc 16

<210> 1673
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1673
gctcaagtgc tggaga 16

<210> 1674
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1674
caagatccta catgta 16

<210> 1675
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1675
taaaagcttc caccag 16

<210> 1676
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1676
cccaatagag gtttaa 16

<210> 1677
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1677
tctcatactt cggcct 16

<210> 1678
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1678
caacagaggt tttttg 16

<210> 1679
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1679
gtgaaagtaa atgctg 16

<210> 1680
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1680
aacagaacca caccag 16

<210> 1681
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1681
ccagaaaacc gtttct 16

<210> 1682
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1682
atgcaggctg ggaacc 16

<210> 1683
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1683
tgccagactt tggagc 16

<210> 1684
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1684
cccaagtccg cccagt 16

<210> 1685
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1685
ctgaatctag gtgtct 16

<210> 1686
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1686
cttgaatgtc catgcc 16

<210> 1687
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1687
atatagagag ctttac 16

<210> 1688
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1688
ctaatataga gagctt 16

<210> 1689
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1689
tctaatatag agagct 16

<210> 1690
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1690
ccccataaca cttact 16

<210> 1691
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1691
agctactctc tcaagt 16

<210> 1692
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1692
gggcaagcta ctctct 16

<210> 1693
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1693
agctacggtc tgagca 16

<210> 1694
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1694
agtcagaggg cctgcc 16

<210> 1695
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1695
gctcactttg gattgt 16

<210> 1696
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1696
gtctacaaag cccagc 16

<210> 1697
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1697
aaagagacca tctccc 16

<210> 1698
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1698
gggaaacact cggccg 16

<210> 1699
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1699
caatgaggac atctgc 16

<210> 1700
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1700
gggcaatgag gacatc 16

<210> 1701
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1701
aggaacttcg cctctt 16

<210> 1702
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1702
tcctaagcca gatagc 16

<210> 1703
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1703
tctaagatcc ccattt 16

<210> 1704
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1704
tttcaccgtc ccatca 16

<210> 1705
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1705
aataacacag ccatgc 16

<210> 1706
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1706
acccaccccg gagatg 16

<210> 1707
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1707
taataagtca cactgg 16

<210> 1708
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1708
gtaataagtc acactg 16

<210> 1709
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1709
ctatgatcta tgatca 16

<210> 1710
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1710
tccgtataag atgtga 16

<210> 1711
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1711
ctattatcca gcactg 16

<210> 1712
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1712
agctactgta gtgatg 16

<210> 1713
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1713
tcgaattttc agagta 16

<210> 1714
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1714
acggaaggtg gctgcc 16

<210> 1715
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1715
gcaaatataa ggcatg 16

<210> 1716
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1716
cacagattga ggacaa 16

<210> 1717
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1717
tgacaagcag tgtggg 16

<210> 1718
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1718
ggtatctgaa agtcac 16

<210> 1719
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1719
ccacaaggta gaggga 16

<210> 1720
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1720
caaggagccc acaagg 16

<210> 1721
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1721
gcccaagtcc ttgtgg 16

<210> 1722
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1722
gattaaggtg atgctg 16

<210> 1723
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1723
tgattaaggt gatgct 16

<210> 1724
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1724
aggaagcacc aggata 16

<210> 1725
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1725
catattatga atcccc 16

<210> 1726
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1726
tgacatatta tgaatc 16

<210> 1727
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1727
atgacaaggg tcttgg 16

<210> 1728
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1728
taatgaccca ggctgg 16

<210> 1729
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1729
gcctaccgtg tggcga 16

<210> 1730
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1730
ccagaaacgg tcagtg 16

<210> 1731
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1731
tgtgaatggg cacatg 16

<210> 1732
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1732
caaacaactt cttggc 16

<210> 1733
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1733
gaagactggt tctggc 16

<210> 1734
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1734
ttacagaaga ctggtt 16

<210> 1735
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1735
ggcaaggtgg ctaaaa 16

<210> 1736
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1736
aggaacccat catggt 16

<210> 1737
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1737
tgacaaggta ggtttt 16

<210> 1738
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1738
ttgacaaggt aggttt 16

<210> 1739
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1739
caaaactggt tgacaa 16

<210> 1740
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1740
tgcaaaactg gttgac 16

<210> 1741
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1741
gtgaagtgca gtagct 16

<210> 1742
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1742
taagatagag ggtctt 16

<210> 1743
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1743
gctaacaatt taagga 16

<210> 1744
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1744
ctgagaggca tacaaa 16

<210> 1745
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1745
ggagaagaag tgagcc 16

<210> 1746
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1746
acaaatggat gaggcc 16

<210> 1747
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1747
gacaaatgga tgaggc 16

<210> 1748
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1748
gacaaacaga tgaggc 16

<210> 1749
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1749
gaataaattt cagccc 16

<210> 1750
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1750
ttcaatggca cagttc 16

<210> 1751
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1751
tcagacttga ggatgt 16

<210> 1752
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1752
gcacaaacag gcccgc 16

<210> 1753
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1753
gtcaagttca acactg 16

<210> 1754
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1754
gctcagggtt accttg 16

<210> 1755
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1755
aggaagtgcc atgttc 16

<210> 1756
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1756
tcccactctg gcaaca 16

<210> 1757
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1757
agctagatgg gaccta 16

<210> 1758
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1758
gaagttcccg ttctga 16

<210> 1759
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1759
aaatagacga tctcac 16

<210> 1760
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1760
agggaaatag acgatc 16

<210> 1761
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1761
tcgaagggaa atagac 16

<210> 1762
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1762
gtagaaggat ctgact 16

<210> 1763
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1763
cagtagaagg atctga 16

<210> 1764
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1764
gtgaagatct ctggtg 16

<210> 1765
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1765
ccagagtgaa gatctc 16

<210> 1766
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1766
ctgcagatca actgct 16

<210> 1767
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1767
ccacaagtca ttccag 16

<210> 1768
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1768
ttccaggact acctct 16

<210> 1769
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1769
ggctttggga aacctc 16

<210> 1770
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1770
tattaaggac aacctc 16

<210> 1771
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1771
ttattaagga caacct 16

<210> 1772
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1772
tgttattaag gacaac 16

<210> 1773
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1773
tggcacacgg caaata 16

<210> 1774
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1774
tcataagggt gagcct 16

<210> 1775
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1775
tcacagggtg gtcata 16

<210> 1776
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1776
gaagatggtc acagcc 16

<210> 1777
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1777
gtcgaatgaa gatggt 16

<210> 1778
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1778
ggcctgaaag agccca 16

<210> 1779
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1779
gataaggacc ccaccc 16

<210> 1780
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1780
aaagaaggag ttacgg 16

<210> 1781
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1781
acgaatgcat acaaat 16

<210> 1782
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1782
tgaaaaacga atgcat 16

<210> 1783
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1783
caccagtggc tgtctg 16

<210> 1784
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1784
tcataatagg ccgggt 16

<210> 1785
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1785
ataataacca ccgaag 16

<210> 1786
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1786
ataataataa ccaccg 16

<210> 1787
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1787
cctaggattt gtgtta 16

<210> 1788
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1788
gcctaggatt tataga 16

<210> 1789
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1789
ccacaaatga atggta 16

<210> 1790
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1790
tgggatgtgg tctggt 16

<210> 1791
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1791
ctaattacca gctaac 16

<210> 1792
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1792
acttaggtta ctccta 16

<210> 1793
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1793
aactgctgct ccgata 16

<210> 1794
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1794
ggctataggg ctgata 16

<210> 1795
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1795
aaatgcaccg ctctgc 16

<210> 1796
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1796
acagaataag acatcg 16

<210> 1797
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1797
agcaatcgca catgcc 16

<210> 1798
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1798
agtagatgcc agaggg 16

<210> 1799
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1799
ggctaagcat gaaggg 16

<210> 1800
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1800
atctatctca gacatc 16

<210> 1801
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1801
ccaaggtctg aacttt 16

<210> 1802
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1802
aaccaaggtc tgaact 16

<210> 1803
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1803
caaccaaggt ctgaac 16

<210> 1804
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1804
gcaaccaagg tctgaa 16

<210> 1805
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1805
tggcaaccaa ggtctg 16

<210> 1806
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1806
ctggcaacca aggtct 16

<210> 1807
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1807
gctggcaacc aaggtc 16

<210> 1808
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1808
atgctggcaa ccaagg 16

<210> 1809
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1809
gaatttagcc ctgaca 16

<210> 1810
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1810
agctaaacag ggtttt 16

<210> 1811
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1811
gtccaagggc agccgg 16

<210> 1812
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1812
ccccaaaggc ccttag 16

<210> 1813
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1813
gtggacatca gtgagt 16

<210> 1814
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1814
ctacaagtga gctgag 16

<210> 1815
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1815
caaaacggga gcaggc 16

<210> 1816
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1816
acaaaacggg agcagg 16

<210> 1817
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1817
cacaaaacgg gagcag 16

<210> 1818
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1818
aaaaagggtc cagtgg 16

<210> 1819
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1819
tcattagtac gccagg 16

<210> 1820
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1820
cccaactgtg ctttcc 16

<210> 1821
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1821
tcacacacgg attttt 16

<210> 1822
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1822
ttctgcattg cagtgg 16

<210> 1823
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1823
gtaaaaagca tctggc 16

<210> 1824
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1824
gccagagtca ccatca 16

<210> 1825
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1825
tgccaaggtg aggtca 16

<210> 1826
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1826
cgccagatct ctcttg 16

<210> 1827
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1827
tgcctaccat tgcact 16

<210> 1828
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1828
cgagaaggag gtagaa 16

<210> 1829
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1829
aactacaccg agaagg 16

<210> 1830
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1830
tccaaaacta caccga 16

<210> 1831
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1831
atcaaacgag tatatt 16

<210> 1832
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1832
tatcaaacga gtatat 16

<210> 1833
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1833
agctaaaatc cactat 16

<210> 1834
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1834
caatagggaa gagcta 16

<210> 1835
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1835
gcaataggga agagct 16

<210> 1836
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1836
agcaataggg aagagc 16

<210> 1837
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1837
atcaagactc tgaata 16

<210> 1838
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1838
ttcaaagata ggtgag 16

<210> 1839
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1839
cattaagtat ttggag 16

<210> 1840
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1840
aagagcaaca ttaagt 16

<210> 1841
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1841
gcgaagagca acatta 16

<210> 1842
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1842
tgcgaatgca catggc 16

<210> 1843
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1843
acacagaggg tgcgaa 16

<210> 1844
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1844
caacacagag ggtgcg 16

<210> 1845
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1845
taacatgtta ctcaga 16

<210> 1846
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1846
tcaagtatag agatgg 16

<210> 1847
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1847
agtacctgat tcagcg 16

<210> 1848
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1848
tgccagtgag gattgc 16

<210> 1849
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1849
aaaacaagtg ctgctc 16

<210> 1850
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1850
gaatcaagta catttc 16

<210> 1851
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1851
gtaatagtag cagcac 16

<210> 1852
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1852
tgtaatagta gcagca 16

<210> 1853
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1853
gtcttctggg taaatg 16

<210> 1854
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1854
aggcaatgca tacagt 16

<210> 1855
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1855
gaacgatagg ccaggc 16

<210> 1856
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1856
aagaagagaa cgatag 16

<210> 1857
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1857
gtttatgcac catgtg 16

<210> 1858
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1858
aaaacagcga ggagga 16

<210> 1859
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1859
tgctagaaaa cagcga 16

<210> 1860
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1860
caggaaccta ctctcg 16

<210> 1861
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1861
acaaggacag gaacct 16

<210> 1862
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1862
ctacaaggac aggaac 16

<210> 1863
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1863
ctagacactg acttcc 16

<210> 1864
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1864
ggccagctgg actttt 16

<210> 1865
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1865
tactagggca cttaag 16

<210> 1866
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1866
gatactaggg cactta 16

<210> 1867
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1867
accaagggtc cctgcc 16

<210> 1868
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1868
tacaaagtgt ctggcg 16

<210> 1869
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1869
atacaaagtg tctggc 16

<210> 1870
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1870
gattaggaga caagcc 16

<210> 1871
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1871
atccattctg gacaac 16

<210> 1872
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1872
cactagagga taggcg 16

<210> 1873
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1873
gtaaagcaga gtttgg 16

<210> 1874
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1874
tgtaaagcag agtttg 16

<210> 1875
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1875
gcaaagtgta aagcag 16

<210> 1876
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1876
ccataaaatc agccta 16

<210> 1877
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1877
aaagaactcg ggaggt 16

<210> 1878
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1878
ttaagatcaa gagatc 16

<210> 1879
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1879
tcaagatgag ctcccc 16

<210> 1880
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1880
gtccatccag accacg 16

<210> 1881
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1881
ggacagtcca tccaga 16

<210> 1882
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1882
ggagacggca cggagc 16

<210> 1883
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1883
acggagacgg cacgga 16

<210> 1884
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1884
accaagggcc aacacc 16

<210> 1885
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1885
acatactgca gcaggg 16

<210> 1886
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1886
aatcaatgag tggacg 16

<210> 1887
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1887
acgcagaagg cttgca 16

<210> 1888
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1888
ccattctgag cactcc 16

<210> 1889
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1889
tctaaaggag gctgtt 16

<210> 1890
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1890
agcctaattt tgcaat 16

<210> 1891
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1891
ggccaacact catctt 16

<210> 1892
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1892
tgatatgcag tgacac 16

<210> 1893
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1893
tcccacacgg ctcctg 16

<210> 1894
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1894
gcacaacctg ctctat 16

<210> 1895
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1895
gagcacctga gtcagt 16

<210> 1896
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1896
accaaccaag tcatgg 16

<210> 1897
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1897
agctaagcag ctgcac 16

<210> 1898
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1898
ttacaggcca aaagcc 16

<210> 1899
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1899
gaggaggcgg tgtcct 16

<210> 1900
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1900
cataaaagca ctctgg 16

<210> 1901
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1901
gagcataaaa gcactc 16

<210> 1902
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1902
gtcaaggctg tctgag 16

<210> 1903
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1903
gctgaatctt gtgttt 16

<210> 1904
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1904
cacaacaaca cttcct 16

<210> 1905
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1905
ctttagaggt gcagaa 16

<210> 1906
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1906
atccactgaa gcctct 16

<210> 1907
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1907
cttaacaagt agtatt 16

<210> 1908
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1908
ggcttaacaa gtagta 16

<210> 1909
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1909
ggcaactggt tacaaa 16

<210> 1910
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1910
tgcaaggcaa ctggtt 16

<210> 1911
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1911
ctccatggtg agagtg 16

<210> 1912
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1912
gctaaagcaa gaaggc 16

<210> 1913
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1913
agaaagaccg cccatg 16

<210> 1914
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1914
gcggagacag aaggct 16

<210> 1915
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1915
aagcatcggt taaggc 16

<210> 1916
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1916
cccaagtggt gaggct 16

<210> 1917
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1917
gttcaggcag gcggtt 16

<210> 1918
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1918
aacaagagac cttgtc 16

<210> 1919
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1919
gatcaggcta ctcagg 16

<210> 1920
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1920
tcatagccaa tataac 16

<210> 1921
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1921
tatcacaggg tgtgct 16

<210> 1922
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1922
tcggaatgta ctctta 16

<210> 1923
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1923
gaattcgggt tgaatc 16

<210> 1924
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1924
gacaaagcac acctgg 16

<210> 1925
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1925
ggacaaagca cacctg 16

<210> 1926
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1926
cactaaacta atgaca 16

<210> 1927
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1927
tagcactaaa ctaatg 16

<210> 1928
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1928
gcatagcact aaacta 16

<210> 1929
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1929
aggcatagca ctaaac 16

<210> 1930
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1930
agcaaaggca tagcac 16

<210> 1931
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1931
accaaaccag gaccaa 16

<210> 1932
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1932
gttaatgctt cacctg 16

<210> 1933
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1933
ggttaatgct tcacct 16

<210> 1934
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1934
gtaaagggtg tgcaca 16

<210> 1935
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1935
aggcaagcac aagctg 16

<210> 1936
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1936
ccttcatacc ccaact 16

<210> 1937
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1937
tactgaagta cctggg 16

<210> 1938
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1938
tcctaagcat tcctaa 16

<210> 1939
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1939
gtaggatgat cttgtt 16

<210> 1940
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1940
gtaaaaaagt aggatg 16

<210> 1941
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1941
ccttaaaaag agtctc 16

<210> 1942
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1942
gctcatctaa tggaca 16

<210> 1943
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1943
ggcgagacag agtaag 16

<210> 1944
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1944
tatactggac acggtg 16

<210> 1945
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1945
atatactgga cacggt 16

<210> 1946
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1946
atatatactg gacacg 16

<210> 1947
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1947
gttttattgg ccgggt 16

<210> 1948
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1948
agtcactgat cctaaa 16

<210> 1949
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1949
caagaagtca ctgatc 16

<210> 1950
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1950
acaaaatggg ttgagg 16

<210> 1951
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1951
tacaaaatgg gttgag 16

<210> 1952
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1952
ggacaggact ttgccc 16

<210> 1953
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1953
ccacaattca ggtggc 16

<210> 1954
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1954
ggaaaggtag ccactt 16

<210> 1955
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1955
gcccacttat tcctcc 16

<210> 1956
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1956
ccaaattcaa gagctc 16

<210> 1957
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1957
taccattttt cagcag 16

<210> 1958
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1958
tcaaaacgga ggtttc 16

<210> 1959
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1959
gaccatccta tgagga 16

<210> 1960
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1960
gaccagagac gggagg 16

<210> 1961
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1961
gcctagaggt aggagc 16

<210> 1962
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1962
ccacaagttc aggcct 16

<210> 1963
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1963
tcaaagctga gtgtca 16

<210> 1964
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1964
tgctagggac atcttc 16

<210> 1965
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1965
gtatatatca gctcag 16

<210> 1966
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1966
acataaggat gttgta 16

<210> 1967
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1967
atccatgttc agtttc 16

<210> 1968
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1968
cggaaaaaga agtccc 16

<210> 1969
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1969
ttcaagcaaa tcacac 16

<210> 1970
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1970
tcagtatgca ccacca 16

<210> 1971
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1971
aagcatgaca tgacac 16

<210> 1972
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1972
cagaatattt aactcg 16

<210> 1973
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1973
gacaaaccaa gcacat 16

<210> 1974
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1974
gtggaacttg cctgac 16

<210> 1975
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1975
tccaagagcc ctctta 16

<210> 1976
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1976
cctatttgat caggag 16

<210> 1977
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1977
tgattcagtg ccgccc 16

<210> 1978
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1978
cccaaaaccc tgattc 16

<210> 1979
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1979
tcacgaggaa gccatg 16

<210> 1980
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1980
ggcgatggaa gggcag 16

<210> 1981
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1981
tttcattggc cctggc 16

<210> 1982
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1982
cagcaatttc attggc 16

<210> 1983
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1983
taccttactg gtacac 16

<210> 1984
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1984
gccgagggag caatac 16

<210> 1985
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1985
tgccgaggga gcaata 16

<210> 1986
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1986
gaaaaggcac cagtgg 16

<210> 1987
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1987
cacaaagcga tatggg 16

<210> 1988
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1988
gtgcatctgt ctggcc 16

<210> 1989
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1989
tgctaggctt ggtatc 16

<210> 1990
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1990
cagcagttga cgcggg 16

<210> 1991
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 1991
ccggagctga gggaca 16

<210> 1992
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1992
aaaaatgggc tgcccc 16

<210> 1993
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1993
ccaaaaatgg gctgcc 16

<210> 1994
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1994
gactaagtgg atccaa 16

<210> 1995
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1995
gcgcatagag gcactg 16

<210> 1996
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1996
aaccaggccc gcggcg 16

<210> 1997
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1997
gcgcaagcac agactg 16

<210> 1998
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1998
gcagaaattc cctggc 16

<210> 1999
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 1999
agcttaagca gcaaat 16

<210> 2000
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2000
tttggactgt tttccc 16

<210> 2001
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2001
tgtttggact gttttc 16

<210> 2002
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2002
ctgtttggac tgtttt 16

<210> 2003
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2003
cctgtttgga ctgttt 16

<210> 2004
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2004
aacctgtttg gactgt 16

<210> 2005
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2005
caacctgttt ggactg 16

<210> 2006
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2006
tccaacctgt ttggac 16

<210> 2007
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2007
tttccaacct gtttgg 16

<210> 2008
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2008
ttttccaacc tgtttg 16

<210> 2009
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2009
gttttccaac ctgttt 16

<210> 2010
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2010
atgtccatga cacctg 16

<210> 2011
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2011
catgtccatg acacct 16

<210> 2012
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2012
ttcatgtcca tgacac 16

<210> 2013
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2013
cattcatgtc catgac 16

<210> 2014
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2014
aacattcatg tccatg 16

<210> 2015
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2015
tacagaaggg ccacgg 16

<210> 2016
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2016
ttacagaagg gccacg 16

<210> 2017
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2017
gattagtcca tgcatg 16

<210> 2018
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2018
acacacgcag gacagg 16

<210> 2019
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2019
ggtcatgcgg agggca 16

<210> 2020
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2020
tgttaccttc tcggca 16

<210> 2021
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2021
gcggagatga gaacaa 16

<210> 2022
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2022
ctggtaggcg gaaggg 16

<210> 2023
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2023
ctctaagtga caactg 16

<210> 2024
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2024
aacaaaggct gaccgc 16

<210> 2025
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2025
gatgatgtgt ttcctg 16

<210> 2026
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2026
ggctatacag atgatg 16

<210> 2027
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2027
aaccagacct catgca 16

<210> 2028
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2028
aacttaacca gacctc 16

<210> 2029
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2029
cgccaaatgc ccccac 16

<210> 2030
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2030
gataggaact ccttgc 16

<210> 2031
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2031
tcgataggaa ctcctt 16

<210> 2032
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2032
ctgaagggcc tcgcca 16

<210> 2033
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2033
tgccatgcag ggcttc 16

<210> 2034
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2034
gtggaccgga gacagc 16

<210> 2035
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2035
tagaaaatgc ggaggg 16

<210> 2036
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2036
cgggaagcaa catgaa 16

<210> 2037
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2037
tggcacggga agcaac 16

<210> 2038
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2038
gaacaagcag agtggt 16

<210> 2039
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2039
ggccagtacc tggtcc 16

<210> 2040
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2040
gaacagtaca cttgac 16

<210> 2041
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2041
gcacagaaca gtacac 16

<210> 2042
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2042
ggttgactac aaaggg 16

<210> 2043
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2043
aggttgacta caaagg 16

<210> 2044
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2044
agaggttgac tacaaa 16

<210> 2045
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2045
gagaggttga ctacaa 16

<210> 2046
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2046
ttgagaggtt gactac 16

<210> 2047
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2047
ttttgagagg ttgact 16

<210> 2048
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2048
gtttttgaga ggttga 16

<210> 2049
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2049
ggtttttgag aggttg 16

<210> 2050
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2050
gggtttttga gaggtt 16

<210> 2051
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2051
gtgggttttt gagagg 16

<210> 2052
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2052
tgtgggtttt tgagag 16

<210> 2053
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2053
ctgtgggttt ttgaga 16

<210> 2054
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2054
gcctgtgggt ttttga 16

<210> 2055
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2055
ccataactta ctgaag 16

<210> 2056
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2056
gtaggatagg gagcgg 16

<210> 2057
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2057
tcccaaatgc agacgc 16

<210> 2058
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2058
acaaacaaca cgcttg 16

<210> 2059
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2059
caacaaacaa cacgct 16

<210> 2060
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2060
aattaggtgg gtaaag 16

<210> 2061
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2061
gcctttgcaa gaaagc 16

<210> 2062
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2062
ggtttcaaca aacagt 16

<210> 2063
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2063
aacaaagtga catagc 16

<210> 2064
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2064
ggagagggac catttt 16

<210> 2065
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2065
aatcaaaact gggcgc 16

<210> 2066
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2066
agcaattggc caaatc 16

<210> 2067
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2067
ggcataggtg gactgg 16

<210> 2068
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2068
agctacagca gctatg 16

<210> 2069
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2069
cttaccaaca gtaaca 16

<210> 2070
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2070
ggctggttta gtaagg 16

<210> 2071
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2071
gggcaaggca ctcgga 16

<210> 2072
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2072
gaataaagta gggcaa 16

<210> 2073
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2073
cgtcactgga ctcccc 16

<210> 2074
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2074
ccaggatgaa gttggt 16

<210> 2075
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2075
atcaagctag aaaggt 16

<210> 2076
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2076
agctatcaag ctagaa 16

<210> 2077
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2077
ctcaagctat caagct 16

<210> 2078
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2078
ccaattatga acacta 16

<210> 2079
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2079
gttcaaagtg ttgcat 16

<210> 2080
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2080
agccactgcc ttgtat 16

<210> 2081
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2081
aatcatagcc tcaaac 16

<210> 2082
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2082
gaacaatcat agcctc 16

<210> 2083
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2083
aataatgtgc agttgt 16

<210> 2084
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2084
ccccaaggtc tggagt 16

<210> 2085
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2085
tcccagacag gagaac 16

<210> 2086
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2086
acctacttgg caaacc 16

<210> 2087
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2087
ctctaaaagt acctac 16

<210> 2088
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2088
cgacagagac tgtctg 16

<210> 2089
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2089
ctaaactaac catggg 16

<210> 2090
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2090
gaacatagca ctgccc 16

<210> 2091
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2091
ctgaacatag cactgc 16

<210> 2092
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2092
tctgaacata gcactg 16

<210> 2093
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2093
gcacactggt cgctaa 16

<210> 2094
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2094
ttgaagctag ggagac 16

<210> 2095
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2095
acggaaggtt ctggtt 16

<210> 2096
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2096
gcacactgaa tcgaca 16

<210> 2097
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2097
acgcacactg aatcga 16

<210> 2098
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2098
tgcctgagac cacgca 16

<210> 2099
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2099
taccagcggc accacc 16

<210> 2100
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2100
agcgagaggg catacc 16

<210> 2101
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2101
cactacacct taacgc 16

<210> 2102
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2102
ctctagaggc cctccc 16

<210> 2103
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2103
caccgataaa tgttgt 16

<210> 2104
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2104
cagcacggaa cagatc 16

<210> 2105
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2105
agggacttcg gctcat 16

<210> 2106
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2106
gcaaaccaaa gatggg 16

<210> 2107
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2107
ggtaagtggg aaggcc 16

<210> 2108
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2108
ccccgtagct cttcag 16

<210> 2109
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2109
tttaaggact ccacct 16

<210> 2110
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2110
tggcatcacc tgactt 16

<210> 2111
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2111
atccaaaatc ctcccc 16

<210> 2112
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2112
tcaaatagca gcccac 16

<210> 2113
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2113
cctaagggcc tcctgg 16

<210> 2114
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2114
cacaagaagg attttc 16

<210> 2115
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2115
cagcaatcga cccacc 16

<210> 2116
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2116
gctgagatta cgcacc 16

<210> 2117
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2117
cttatctggg ctattt 16

<210> 2118
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2118
tattataggg cttctt 16

<210> 2119
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2119
gaaagtaggc ttctgt 16

<210> 2120
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2120
tgttacttat ccatca 16

<210> 2121
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2121
caacatatat ctcctg 16

<210> 2122
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2122
acaaatccca ctatat 16

<210> 2123
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2123
gcatagacaa atccca 16

<210> 2124
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2124
cgacagggtg tgtttc 16

<210> 2125
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2125
aaatttagag gacatc 16

<210> 2126
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2126
agccatccag tcttag 16

<210> 2127
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2127
ctcaagtagt tcccct 16

<210> 2128
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2128
cactagaatc ccggag 16

<210> 2129
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2129
acttactaaa gcgcag 16

<210> 2130
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2130
agtaaatgta tctggt 16

<210> 2131
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2131
gcgcaaggga aacggc 16

<210> 2132
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2132
tgagcagcca caggta 16

<210> 2133
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2133
agtgagcagc cacagg 16

<210> 2134
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2134
aagtgagcag ccacag 16

<210> 2135
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2135
caagtgagca gccaca 16

<210> 2136
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2136
accaagtgag cagcca 16

<210> 2137
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2137
ggaccaagtg agcagc 16

<210> 2138
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2138
gcgaatgtgg ccgttc 16

<210> 2139
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2139
gaacagacag ggttca 16

<210> 2140
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2140
cgggagactg cagagg 16

<210> 2141
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2141
agcagatggc ctggta 16

<210> 2142
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2142
acatagggcc ttctgg 16

<210> 2143
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2143
agccaagagt caagtt 16

<210> 2144
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2144
catgagccca ccactc 16

<210> 2145
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2145
ctcctaacat gctaga 16

<210> 2146
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2146
cgctcaaggg aaaaat 16

<210> 2147
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2147
tcccaagctc ccctga 16

<210> 2148
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2148
gatacagccg ttcata 16

<210> 2149
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2149
taataaggta ctgaag 16

<210> 2150
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2150
acgaagctag gaggcg 16

<210> 2151
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2151
cacgaagcta ggaggc 16

<210> 2152
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2152
gcatgataat cccagc 16

<210> 2153
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2153
agccgcccag gccaga 16

<210> 2154
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2154
gcagaaattt tgcgaa 16

<210> 2155
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2155
aggcagaaat tttgcg 16

<210> 2156
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2156
ggtggagtcc ccgccc 16

<210> 2157
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2157
gtgcaaggta catggt 16

<210> 2158
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2158
cgcaaaaata aatcat 16

<210> 2159
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2159
gcgcaaaaat aaatca 16

<210> 2160
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2160
atgtattacc tacggc 16

<210> 2161
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2161
catattcatg gtgtta 16

<210> 2162
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2162
agagatggaa gggacg 16

<210> 2163
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2163
ccacactaag catgta 16

<210> 2164
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2164
tctaatgttt gctacc 16

<210> 2165
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2165
ctctaatgtt tgctac 16

<210> 2166
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2166
accactagat tctcta 16

<210> 2167
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2167
gaacagggaa tattag 16

<210> 2168
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2168
ttatacccag ggcaac 16

<210> 2169
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2169
taagtatttg ccatcc 16

<210> 2170
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2170
gcttaagcga gatctt 16

<210> 2171
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2171
gaattctggt ctggct 16

<210> 2172
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2172
cataggagat agaagg 16

<210> 2173
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2173
tgcataggag atagaa 16

<210> 2174
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2174
cacaagaggg caagat 16

<210> 2175
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2175
tgctagatca actagc 16

<210> 2176
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2176
gcaaagagtg ctagat 16

<210> 2177
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2177
aggcaaagag tgctag 16

<210> 2178
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2178
gcacaaggca aagagt 16

<210> 2179
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2179
tgctagagga gcggca 16

<210> 2180
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2180
ctatagaaca ggagtg 16

<210> 2181
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2181
tgctatagaa caggag 16

<210> 2182
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2182
agccacatct gctata 16

<210> 2183
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2183
ccttaatcac ttagcc 16

<210> 2184
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2184
tatcatatag ggagaa 16

<210> 2185
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2185
gcatagagaa gagggt 16

<210> 2186
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2186
gacaagaggc agcatc 16

<210> 2187
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2187
tcacaggcca aggata 16

<210> 2188
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2188
tggcaggaaa cggtgc 16

<210> 2189
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2189
gcaaatatga ttcatc 16

<210> 2190
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2190
aaggaggtgt taccca 16

<210> 2191
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2191
ctatgagtag caggct 16

<210> 2192
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2192
gtccaagtgt aagagc 16

<210> 2193
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2193
gcaaaaggga gcccct 16

<210> 2194
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2194
agcaaaaggg agcccc 16

<210> 2195
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2195
tgccagaaga gccccg 16

<210> 2196
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2196
ctacaagaaa gaccct 16

<210> 2197
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2197
taggatcggc tcagct 16

<210> 2198
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2198
tggcatagga tcggct 16

<210> 2199
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2199
gaacacatga ggaacc 16

<210> 2200
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2200
gtacaaggga gaagca 16

<210> 2201
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2201
ggccacgctc atgacg 16

<210> 2202
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2202
gtagagatgg gaacca 16

<210> 2203
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2203
aagcagggat cctctg 16

<210> 2204
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2204
gcggtatggg tggcag 16

<210> 2205
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2205
ggctagggtg cacagt 16

<210> 2206
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2206
cttagaagga agtagg 16

<210> 2207
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2207
ccgttagcca tccacc 16

<210> 2208
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2208
ccctagggag ctgcaa 16

<210> 2209
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2209
ccacacgggt tcagag 16

<210> 2210
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2210
gcacaccaag ccttgg 16

<210> 2211
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2211
agggatgtgc ccgcac 16

<210> 2212
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2212
tgacaaccag gtgagg 16

<210> 2213
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2213
tgggaatgcc tccatt 16

<210> 2214
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2214
agcccctgtg aggtca 16

<210> 2215
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2215
gtacagactt atccct 16

<210> 2216
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2216
gggtacagac ttatcc 16

<210> 2217
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2217
ggctaaagag taccca 16

<210> 2218
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2218
ggtggctaaa gagtac 16

<210> 2219
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2219
gactaccccg acccac 16

<210> 2220
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2220
gcacggcacg gcagga 16

<210> 2221
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2221
acgcacaggg cggcct 16

<210> 2222
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2222
aggcacgcac agggcg 16

<210> 2223
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2223
ctaacggcag gcagcc 16

<210> 2224
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2224
catcagggtt tcaggc 16

<210> 2225
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2225
ggctagggtc aaaggt 16

<210> 2226
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2226
gcccatggga ggagtc 16

<210> 2227
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2227
gaaaccaaca tgaggc 16

<210> 2228
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2228
cgcaatagag acacct 16

<210> 2229
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2229
gaacctcgct ccgtgc 16

<210> 2230
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2230
agtgactgag ttctgc 16

<210> 2231
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2231
ggttacggtt gttttt 16

<210> 2232
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2232
gtacaatgta agcctt 16

<210> 2233
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2233
tgctagtgac tccatc 16

<210> 2234
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2234
agtgatggaa ccccgg 16

<210> 2235
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2235
cgcagataga aaaact 16

<210> 2236
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2236
tcgcagatag aaaaac 16

<210> 2237
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2237
gcacactgtg gccaag 16

<210> 2238
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2238
agtgaacgag tccctc 16

<210> 2239
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2239
ttctacatag gaccat 16

<210> 2240
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2240
aaacatcaca gggacc 16

<210> 2241
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2241
tcagaagaga ggacct 16

<210> 2242
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2242
agacacaggg taatgc 16

<210> 2243
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2243
caacaatgca acaacg 16

<210> 2244
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2244
cgccagatta attttg 16

<210> 2245
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2245
aacaattgtc tggtgt 16

<210> 2246
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2246
caacaattgt ctggtg 16

<210> 2247
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2247
taacaacaat tgtctg 16

<210> 2248
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2248
taagactata gttaac 16

<210> 2249
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2249
caacagaaga gtaggg 16

<210> 2250
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2250
gttcaacaga agagta 16

<210> 2251
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2251
gataaatact agaggc 16

<210> 2252
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2252
gatcagggcc atagaa 16

<210> 2253
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2253
caagaaacgg gttgat 16

<210> 2254
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2254
aattaagcaa gaaacg 16

<210> 2255
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2255
caacaagcta tcacac 16

<210> 2256
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2256
ctggaccgca tcagag 16

<210> 2257
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2257
ttgaaagcca acctgg 16

<210> 2258
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2258
taacacagcc atggct 16

<210> 2259
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2259
ccacataaca cagcca 16

<210> 2260
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2260
ttgcagcaca gggtca 16

<210> 2261
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2261
ggcaacagga gacgcg 16

<210> 2262
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2262
agaggctaca tggtga 16

<210> 2263
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2263
gaaacaacca atatcc 16

<210> 2264
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2264
cacgaagggt tgacac 16

<210> 2265
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2265
ggccagagtc ctgact 16

<210> 2266
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2266
gttaccagga caaaac 16

<210> 2267
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2267
tgccatccca gggacc 16

<210> 2268
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2268
ctacagagca ttcccc 16

<210> 2269
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2269
tgccagcaag tcccca 16

<210> 2270
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2270
gccaagaggc ccgcct 16

<210> 2271
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2271
acccgaatag caagcg 16

<210> 2272
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2272
gagcatgggc ccgcag 16

<210> 2273
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2273
gatgatcctt tcaccc 16

<210> 2274
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2274
caccaccctg ggttta 16

<210> 2275
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2275
gcagaccacg cctggc 16

<210> 2276
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2276
tgcaaggcgg aaagag 16

<210> 2277
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2277
ggcattccca cccagg 16

<210> 2278
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2278
gaaaactaga cttgca 16

<210> 2279
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2279
ctgaaaacta gacttg 16

<210> 2280
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2280
gaaaaacacg aagggc 16

<210> 2281
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2281
tcattacggc cggcgc 16

<210> 2282
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2282
ctaacttggg tggtgg 16

<210> 2283
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2283
agatattgat gtcttg 16

<210> 2284
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2284
gcagagggag ccccga 16

<210> 2285
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2285
tcgcatagaa gattcg 16

<210> 2286
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2286
cggcaggtga gtgtca 16

<210> 2287
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2287
gactacctgt tcagga 16

<210> 2288
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2288
gaagagtggt ggtttc 16

<210> 2289
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2289
tgcgagccgg ccccag 16

<210> 2290
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2290
cacgatccca aaccct 16

<210> 2291
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2291
tgccggcacg cacgcg 16

<210> 2292
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2292
cagcagggcc aagtaa 16

<210> 2293
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2293
ggtaacacag ggcctg 16

<210> 2294
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2294
gagcatagga agaggg 16

<210> 2295
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2295
gcaaagaagt agggca 16

<210> 2296
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2296
gattagcctg ccaggc 16

<210> 2297
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2297
cctcatctat ccaagg 16

<210> 2298
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2298
ggcacatggg ctcagc 16

<210> 2299
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2299
ctccaagttc aggagc 16

<210> 2300
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2300
cgcaagccac agcagg 16

<210> 2301
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2301
actcacccag tgatgt 16

<210> 2302
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2302
gttcaggaag caccaa 16

<210> 2303
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2303
agccttactc cctttc 16

<210> 2304
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2304
cgctttagga catctt 16

<210> 2305
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2305
taggagtgag ttacct 16

<210> 2306
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2306
cacgaagtga atggaa 16

<210> 2307
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2307
acgcacaaca caactg 16

<210> 2308
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2308
tgccactgga ctgact 16

<210> 2309
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2309
gacctaggtg cctgac 16

<210> 2310
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2310
actctacccg caccct 16

<210> 2311
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2311
ctccatgatg ctccct 16

<210> 2312
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2312
gtgtagcatg cgccac 16

<210> 2313
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2313
gggaaaagag tcaccc 16

<210> 2314
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2314
cttcaccccg agccat 16

<210> 2315
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2315
cgggaagcat ccctgg 16

<210> 2316
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2316
cagcacggga agcatc 16

<210> 2317
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2317
tgcaagcacc tgagcc 16

<210> 2318
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2318
ccctatgggt tctggc 16

<210> 2319
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2319
tcacaattgg tgcctt 16

<210> 2320
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2320
ccccacctcg gccaat 16

<210> 2321
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2321
ctaaatggag ctcttg 16

<210> 2322
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2322
ggcctaaatg gagctc 16

<210> 2323
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2323
catcacactc ctcgat 16

<210> 2324
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2324
atgtactgtg agcttc 16

<210> 2325
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2325
gctaatccct gactca 16

<210> 2326
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2326
actcagctgg agttgg 16

<210> 2327
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2327
gacaaatggg tctcga 16

<210> 2328
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2328
gcctagaaga gctatg 16

<210> 2329
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2329
ggcaagccta gaagag 16

<210> 2330
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2330
aggcacacgg ctcagg 16

<210> 2331
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2331
gtacaggagg cacacg 16

<210> 2332
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2332
tactactctg ggtttc 16

<210> 2333
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2333
gaacatgcag ggcctg 16

<210> 2334
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2334
aagaagtaga agtcgg 16

<210> 2335
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2335
ggatgaggtt gtgtgg 16

<210> 2336
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2336
acgcacattt tcctgt 16

<210> 2337
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2337
tgctaaacag tgcttg 16

<210> 2338
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2338
aaagtttagg catggt 16

<210> 2339
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2339
cgtcaatact aaaata 16

<210> 2340
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2340
gcccgaatgt gttttg 16

<210> 2341
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2341
caccagaact ttatta 16

<210> 2342
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2342
ggcaagtgtc tgagtt 16

<210> 2343
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2343
tctgactgat caggaa 16

<210> 2344
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2344
gcacaagctt gaccct 16

<210> 2345
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2345
gaaaatgacc tgtcct 16

<210> 2346
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2346
ccgtgaggga actttc 16

<210> 2347
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2347
aagcaagtgg gacccc 16

<210> 2348
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2348
gaacaaagca agtggg 16

<210> 2349
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2349
ggccaagggt ggccat 16

<210> 2350
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2350
cggcaaggca ttttaa 16

<210> 2351
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2351
tttaagcgat ctcctg 16

<210> 2352
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2352
gtttaagcga tctcct 16

<210> 2353
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2353
acccaacctt gggaca 16

<210> 2354
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2354
cccaaaggat ctgccc 16

<210> 2355
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2355
tgcctgggta tgtttg 16

<210> 2356
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2356
agataggcct gcttgc 16

<210> 2357
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2357
caccagatag gcctgc 16

<210> 2358
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2358
actcacattg ttgatc 16

<210> 2359
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2359
ctctaggctt accaca 16

<210> 2360
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2360
gcctagggtg cctggc 16

<210> 2361
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2361
tacaaacagg tatggc 16

<210> 2362
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2362
ctacaaacag gtatgg 16

<210> 2363
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2363
tcaaatttgt tgttgc 16

<210> 2364
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2364
ccaaagagga tggccg 16

<210> 2365
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2365
agttagtgga cttgat 16

<210> 2366
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2366
ctgcagtgtt cactcc 16

<210> 2367
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2367
gcctaagtta attcag 16

<210> 2368
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2368
gcaaccaggg taaacg 16

<210> 2369
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2369
actgaagagg agccca 16

<210> 2370
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2370
gccaaaggcc tgatac 16

<210> 2371
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2371
ggtttataaa gcttcc 16

<210> 2372
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2372
tcttacctcg gtcttc 16

<210> 2373
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2373
tgaaagaggt tcctgc 16

<210> 2374
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2374
gttgacattc atatac 16

<210> 2375
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2375
tgagaatggg agcaac 16

<210> 2376
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2376
gaacactgat cactac 16

<210> 2377
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2377
aaacatacca ggacac 16

<210> 2378
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2378
tcctatcggt atatga 16

<210> 2379
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2379
tcatagcaga agaacc 16

<210> 2380
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2380
taaacttgca gggtca 16

<210> 2381
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2381
ctaaaagtaa acttgc 16

<210> 2382
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2382
tcccatcttt ggctgc 16

<210> 2383
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2383
tcctactgga tacaga 16

<210> 2384
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2384
gccaatcctg ttatat 16

<210> 2385
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2385
gcagaataat cctgtt 16

<210> 2386
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2386
tggcagaata atcctg 16

<210> 2387
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2387
gttgacacca tgcttg 16

<210> 2388
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2388
ccccagactt ttttga 16

<210> 2389
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2389
aaccaggctt ccggac 16

<210> 2390
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2390
agctgtaggg ctggct 16

<210> 2391
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2391
tctggccacg ccttgc 16

<210> 2392
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2392
ccttaaggaa ctccat 16

<210> 2393
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2393
cctaatatct ctaggg 16

<210> 2394
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2394
gcgcagtggg atcctc 16

<210> 2395
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2395
tgccagaacc tgaggt 16

<210> 2396
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2396
atacagatgg agtagg 16

<210> 2397
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2397
acaggaggag agaccc 16

<210> 2398
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2398
ccaaataggg atgagg 16

<210> 2399
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2399
tcgcaagcca aatagg 16

<210> 2400
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2400
gaacaagcct cttggc 16

<210> 2401
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2401
gcccagtgtg agggtt 16

<210> 2402
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2402
catcaactcg cctgct 16

<210> 2403
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2403
ccgggagcaa gaggca 16

<210> 2404
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2404
ccagatggca gacttc 16

<210> 2405
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2405
agatatctag atggcc 16

<210> 2406
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2406
tagatatcta gatggc 16

<210> 2407
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2407
atagatatct agatgg 16

<210> 2408
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2408
ccaaatggtg gtggca 16

<210> 2409
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2409
ccaatttgta ggctgt 16

<210> 2410
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2410
acagatgggc acaccg 16

<210> 2411
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2411
acaaatgagt agttcc 16

<210> 2412
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2412
tcatttggca gccaca 16

<210> 2413
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2413
tatcatttgg cagcca 16

<210> 2414
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2414
tgttatcatt tggcag 16

<210> 2415
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2415
ccttacttgg gattca 16

<210> 2416
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2416
atgataacac agcctc 16

<210> 2417
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2417
gatgataaca cagcct 16

<210> 2418
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2418
gggatgataa cacagc 16

<210> 2419
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2419
gagatttgtg ctgctt 16

<210> 2420
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2420
gtaagtaagc actttt 16

<210> 2421
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2421
ggattatagc aatgcc 16

<210> 2422
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2422
tcactttaca gcctcc 16

<210> 2423
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2423
ggattctagg aggtcg 16

<210> 2424
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2424
attaatactc ttaacg 16

<210> 2425
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2425
actaactggg ctgttc 16

<210> 2426
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2426
gaactaactg ggctgt 16

<210> 2427
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2427
ggaaatctaa cactgg 16

<210> 2428
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2428
aactctatag atctga 16

<210> 2429
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2429
agacatggtg gaacca 16

<210> 2430
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2430
gattacaaca acagcc 16

<210> 2431
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2431
tgaaatcgaa gccatt 16

<210> 2432
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2432
taaatgacaa gggtca 16

<210> 2433
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2433
gctattataa cttgta 16

<210> 2434
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2434
attttaaaga agacgg 16

<210> 2435
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2435
gctattataa ctccta 16

<210> 2436
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2436
cacttaatcc ctattc 16

<210> 2437
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2437
atacttatcg cctttt 16

<210> 2438
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2438
catcatactt atcgcc 16

<210> 2439
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2439
tccaactgtg atctct 16

<210> 2440
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2440
ccaaggaaca catcac 16

<210> 2441
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2441
actaataaga tctgtt 16

<210> 2442
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2442
tgcaatttgt ctttgc 16

<210> 2443
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2443
caagatgcaa tttgtc 16

<210> 2444
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2444
cgagatcaca aatgct 16

<210> 2445
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2445
agtaatgatg agttcc 16

<210> 2446
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2446
cactgatagg cactcc 16

<210> 2447
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2447
attacttgtt tgcagc 16

<210> 2448
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2448
ccaattactt gtttgc 16

<210> 2449
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2449
taaataactc tcacgg 16

<210> 2450
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2450
gtaaataact ctcacg 16

<210> 2451
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2451
gtgtaaataa ctctca 16

<210> 2452
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2452
gttgatagtc ggttgt 16

<210> 2453
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2453
ggtcattaaa gattct 16

<210> 2454
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2454
ggtacctaac aggtct 16

<210> 2455
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2455
gtctttccgg tctttt 16

<210> 2456
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2456
gattataaac ctaatc 16

<210> 2457
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2457
tcaataagta actctg 16

<210> 2458
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2458
gtcaataagt aactct 16

<210> 2459
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2459
acctatcaag ggctgt 16

<210> 2460
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2460
gttatgaacc tatcaa 16

<210> 2461
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2461
tgttatgaac ctatca 16

<210> 2462
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2462
gtttacatga tgttct 16

<210> 2463
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2463
gtaaattacg gtttac 16

<210> 2464
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2464
agtaaattac ggttta 16

<210> 2465
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2465
cttaattaca gcttgt 16

<210> 2466
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2466
tcattattgg cttgga 16

<210> 2467
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2467
ctcattattg gcttgg 16

<210> 2468
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2468
cctttattca gattgt 16

<210> 2469
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2469
agtcatccag ctcccg 16

<210> 2470
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2470
ataaatgtcc agcagc 16

<210> 2471
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2471
tcataaatgt ccagca 16

<210> 2472
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2472
atcataaatg tccagc 16

<210> 2473
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2473
gccatatgtg tggctc 16

<210> 2474
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2474
tgtaatcttg gcccag 16

<210> 2475
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2475
tgcatatcca aagcca 16

<210> 2476
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2476
ccacatgtga agcagc 16

<210> 2477
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2477
ggctattcca ctgcag 16

<210> 2478
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2478
tctgtaatgg tttccc 16

<210> 2479
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2479
tgtacctaag tacaga 16

<210> 2480
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2480
tctataggta ccagca 16

<210> 2481
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2481
agtgaaattc actcca 16

<210> 2482
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2482
ctctttatat agatgg 16

<210> 2483
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2483
agagatacat caaccc 16

<210> 2484
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2484
aaatatagca gggacc 16

<210> 2485
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2485
actaaatata gcaggg 16

<210> 2486
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2486
ggcactaaat atagca 16

<210> 2487
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2487
tagtatacca aggtta 16

<210> 2488
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2488
gtagtatacc aaggtt 16

<210> 2489
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2489
cagtatgtat acttcc 16

<210> 2490
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2490
tcagtatgta tacttc 16

<210> 2491
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2491
tcctgataag attcac 16

<210> 2492
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2492
tcagttatca ctgtca 16

<210> 2493
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2493
actagtaact ttccag 16

<210> 2494
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2494
ggattattac atgagt 16

<210> 2495
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2495
gaggattatt acatga 16

<210> 2496
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2496
gccaactaat tccaga 16

<210> 2497
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2497
atatatgtgg aggcaa 16

<210> 2498
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2498
tatatatgtg gaggca 16

<210> 2499
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2499
aatatatatg tggagg 16

<210> 2500
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2500
cactattggc acacca 16

<210> 2501
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2501
acactattgg cacacc 16

<210> 2502
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2502
aacactattg gcacac 16

<210> 2503
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2503
ttcttaacag gctccc 16

<210> 2504
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2504
taagtatgcg ctgcca 16

<210> 2505
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2505
aggatatagg gtctcc 16

<210> 2506
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2506
aaggatatag ggtctc 16

<210> 2507
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2507
gaacatcatg gagcct 16

<210> 2508
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2508
tttgatactg atctca 16

<210> 2509
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2509
ggtattatgg tatgtg 16

<210> 2510
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2510
aggtattatg gtatgt 16

<210> 2511
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2511
tcatatgtat gggttt 16

<210> 2512
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2512
cttcatatgt atgggt 16

<210> 2513
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2513
atagatgtaa gcaact 16

<210> 2514
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2514
ggaaattcat agatgt 16

<210> 2515
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2515
acttatggat gcagct 16

<210> 2516
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2516
aacttatgga tgcagc 16

<210> 2517
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2517
agcattggta tcaggc 16

<210> 2518
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2518
tggatatcag cattgg 16

<210> 2519
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2519
atggatggat atcagc 16

<210> 2520
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2520
ttcaatcatg gatgga 16

<210> 2521
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2521
ggaatacttg cagcta 16

<210> 2522
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2522
aggaatactt gcagct 16

<210> 2523
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2523
caacatggca ctccct 16

<210> 2524
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2524
tctgatgcaa catggc 16

<210> 2525
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2525
atcattgggt gaagac 16

<210> 2526
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2526
ggtctattgg cacaca 16

<210> 2527
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2527
agattaagtc atccgg 16

<210> 2528
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2528
gagattaagt catccg 16

<210> 2529
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2529
agagattaag tcatcc 16

<210> 2530
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2530
gcaaatgcta gctgca 16

<210> 2531
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2531
cgctctaatg tcctga 16

<210> 2532
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2532
tggatatcca gaccca 16

<210> 2533
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2533
gcagatcctg ccttgg 16

<210> 2534
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2534
tgaactagag gcaggc 16

<210> 2535
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2535
gtgaactaga ggcagg 16

<210> 2536
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2536
tgtaactttc agcagt 16

<210> 2537
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2537
tgtgattgca ggccag 16

<210> 2538
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2538
ttttatagtc tccaac 16

<210> 2539
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2539
tgtatggaca gcaggc 16

<210> 2540
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2540
gtgtatggac agcagg 16

<210> 2541
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2541
atcaatcttg ggagct 16

<210> 2542
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2542
ctaaatcaat cttggg 16

<210> 2543
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2543
atattaatgc agtggt 16

<210> 2544
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2544
catattaatg cagtgg 16

<210> 2545
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2545
acatattaat gcagtg 16

<210> 2546
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2546
agaatatcaa cacctt 16

<210> 2547
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2547
tagaatatca acacct 16

<210> 2548
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2548
ttatctaaca gtccca 16

<210> 2549
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2549
catttatcta acagtc 16

<210> 2550
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2550
tagtgatatg ctgcct 16

<210> 2551
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2551
cacaatcctg gctatc 16

<210> 2552
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2552
ccagacattg ctgtcg 16

<210> 2553
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2553
acatttgacg gtttga 16

<210> 2554
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2554
gggaatgatg ccacct 16

<210> 2555
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2555
ccaatctgtt atgtgg 16

<210> 2556
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2556
tggaatccag tatttc 16

<210> 2557
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2557
aggaatcctg cagctc 16

<210> 2558
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2558
tcctattaga gtggca 16

<210> 2559
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2559
agcattaaca gagcag 16

<210> 2560
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2560
ggctttactc cagcca 16

<210> 2561
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2561
aacaatagcc attggt 16

<210> 2562
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2562
tgtttattta ccgttt 16

<210> 2563
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2563
agtactattg catcat 16

<210> 2564
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2564
tcacatacag acccca 16

<210> 2565
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2565
ctaaatgtca cttagc 16

<210> 2566
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2566
ggaactaaca catgct 16

<210> 2567
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2567
gaaatctacc tactcc 16

<210> 2568
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2568
tgaaatctac ctactc 16

<210> 2569
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2569
ggcaccaaca ttcacc 16

<210> 2570
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2570
tccgattttg cttcta 16

<210> 2571
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2571
acttatccga ttttgc 16

<210> 2572
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2572
tgttattccg aacagt 16

<210> 2573
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2573
tctcatggcg actggc 16

<210> 2574
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2574
ggaataaagg ctctcg 16

<210> 2575
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2575
ttagattgta tgaccc 16

<210> 2576
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2576
ggctttgtta gatgcc 16

<210> 2577
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2577
attcatagta ccccac 16

<210> 2578
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2578
gtatttgtag tgtgga 16

<210> 2579
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2579
ggtatttgta gtgtgg 16

<210> 2580
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2580
gacaatggtg atgccc 16

<210> 2581
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2581
atcttaggca gaccct 16

<210> 2582
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2582
acacatctta ggcaga 16

<210> 2583
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2583
attaaaatgg gtctgc 16

<210> 2584
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2584
catttaacca tgacag 16

<210> 2585
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2585
ccatttaacc atgaca 16

<210> 2586
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2586
accttaagtt ttttgg 16

<210> 2587
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2587
gctaatagct attcaa 16

<210> 2588
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2588
cgcattactg agttca 16

<210> 2589
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2589
gtgactaaga caacca 16

<210> 2590
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2590
agacatgtaa ctccct 16

<210> 2591
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2591
ctagacatgt aactcc 16

<210> 2592
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2592
gcctatccat gctgct 16

<210> 2593
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2593
cagaattgtt acaacc 16

<210> 2594
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2594
ccattaaaat ttgccc 16

<210> 2595
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2595
tccattaaaa tttgcc 16

<210> 2596
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2596
ttaactatat ctaact 16

<210> 2597
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2597
cgattaacta tatcta 16

<210> 2598
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2598
atttatgcga ttggcc 16

<210> 2599
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2599
gatttatgcg attggc 16

<210> 2600
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2600
agatttatgc gattgg 16

<210> 2601
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2601
tgtttaagat ttatgc 16

<210> 2602
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2602
aaagtaattc actgcg 16

<210> 2603
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2603
atggactaca gtctgt 16

<210> 2604
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2604
tgcaatcaca gacatc 16

<210> 2605
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2605
gtattaacct catgaa 16

<210> 2606
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2606
ggtattaacc tcatga 16

<210> 2607
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2607
gtctttccgt cacagt 16

<210> 2608
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2608
ggataattgg agaggg 16

<210> 2609
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2609
gggataattg gagagg 16

<210> 2610
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2610
gggattatga tgagga 16

<210> 2611
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2611
gatgatgggt tctagc 16

<210> 2612
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2612
gggagatgtg ctcttt 16

<210> 2613
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2613
gtattaccca gtggct 16

<210> 2614
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2614
tgtattaccc agtggc 16

<210> 2615
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2615
gggaatgtat taccca 16

<210> 2616
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2616
tacaatcatt cccagc 16

<210> 2617
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2617
agcactacaa tcattc 16

<210> 2618
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2618
tactgtacag ctgtgc 16

<210> 2619
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2619
ggcaattggt actgta 16

<210> 2620
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2620
gaaaatttgt acagga 16

<210> 2621
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2621
tacattaaag gctcga 16

<210> 2622
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2622
gtacatatcc tggccg 16

<210> 2623
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2623
tactattcga cagagc 16

<210> 2624
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2624
attactattc gacaga 16

<210> 2625
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2625
taaattacta ttcgac 16

<210> 2626
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2626
gtaaattact attcga 16

<210> 2627
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2627
tgtaaattac tattcg 16

<210> 2628
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2628
gagatcaaca catttc 16

<210> 2629
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2629
agaaattact cttgcg 16

<210> 2630
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2630
tccaatgaca gcccag 16

<210> 2631
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2631
gtgaattcaa tgtcca 16

<210> 2632
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2632
acacatgtgg aacacg 16

<210> 2633
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2633
tatctataac acatga 16

<210> 2634
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2634
ggttatctat aacaca 16

<210> 2635
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2635
gtctttattg catggg 16

<210> 2636
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2636
gctataaaac cagcca 16

<210> 2637
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2637
agcattggat tgagca 16

<210> 2638
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2638
agcaatggtg gccggg 16

<210> 2639
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2639
ctatattcaa caggct 16

<210> 2640
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2640
actatattca acaggc 16

<210> 2641
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2641
ggccatacta tattca 16

<210> 2642
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2642
gggatatacg cccacc 16

<210> 2643
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2643
tatttaaaag ggccgc 16

<210> 2644
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2644
gtatttaaaa gggccg 16

<210> 2645
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2645
cgaaatagca gagctc 16

<210> 2646
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2646
tctatagtga ctctca 16

<210> 2647
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2647
ttctatagtg actctc 16

<210> 2648
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2648
gttcatccgg gtcagg 16

<210> 2649
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2649
gcaactatgc atccac 16

<210> 2650
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2650
gaacatggca gccagt 16

<210> 2651
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2651
tgcttaatgc cttgcc 16

<210> 2652
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2652
cgcaatgtgt tcattt 16

<210> 2653
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2653
actttaacaa gtcccg 16

<210> 2654
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2654
cactttaaca agtccc 16

<210> 2655
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2655
acagatgaag ctacca 16

<210> 2656
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2656
ggttatggtc ttaggt 16

<210> 2657
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2657
tcgatttgat tctgag 16

<210> 2658
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2658
gacaaattgc cactgg 16

<210> 2659
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2659
gcaaatatct cccagt 16

<210> 2660
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2660
acaatgacga ggctgg 16

<210> 2661
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2661
tcaaatccca tcagga 16

<210> 2662
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2662
tgtacttgcg ggtttt 16

<210> 2663
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2663
agcaatcacg ctgcca 16

<210> 2664
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2664
agtcatccag caatca 16

<210> 2665
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2665
attaatctgg gcagtc 16

<210> 2666
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2666
gattaatctg ggcagt 16

<210> 2667
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2667
taaaggatta atctgg 16

<210> 2668
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2668
attttgatag ctccac 16

<210> 2669
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2669
gcattttgat agctcc 16

<210> 2670
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2670
ggtttaaaag cttcca 16

<210> 2671
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2671
gtaaatgctg aatgcc 16

<210> 2672
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2672
ggatatggac agcagg 16

<210> 2673
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2673
aggatatgga cagcag 16

<210> 2674
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2674
tcacatgcca gacttt 16

<210> 2675
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2675
cacactcacg catgtt 16

<210> 2676
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2676
tttaccttga atgtcc 16

<210> 2677
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2677
gcaagctact ctctca 16

<210> 2678
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2678
tcaatacctg cacagg 16

<210> 2679
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2679
gtcaatacct gcacag 16

<210> 2680
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2680
tgtatgagga ctcaga 16

<210> 2681
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2681
atcataacag gctgta 16

<210> 2682
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2682
catcataaca ggctgt 16

<210> 2683
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2683
taaaatgcgc atcata 16

<210> 2684
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2684
gtaatgagct cagtct 16

<210> 2685
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2685
gaaactacgg cactct 16

<210> 2686
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2686
ggtaataagt cacact 16

<210> 2687
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2687
gattaatatc ggctga 16

<210> 2688
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2688
tggattaata tcggct 16

<210> 2689
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2689
atggattaat atcggc 16

<210> 2690
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2690
gttcatcacg gaaggt 16

<210> 2691
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2691
ccgaatcaca gattga 16

<210> 2692
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2692
gtaattgaca agcagt 16

<210> 2693
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2693
taagtaattg acaagc 16

<210> 2694
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2694
gtatataaga cccggg 16

<210> 2695
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2695
tgtatataag acccgg 16

<210> 2696
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2696
gtgtatataa gacccg 16

<210> 2697
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2697
agtgtatata agaccc 16

<210> 2698
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2698
gactattcaa gagggc 16

<210> 2699
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2699
tctcatggca ctcact 16

<210> 2700
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2700
attcatggtc caccag 16

<210> 2701
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2701
ggtgatgctg cagagc 16

<210> 2702
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2702
caggatacat caccca 16

<210> 2703
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2703
tattatgaat cccccct 16

<210> 2704
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2704
atattatgaa tccccc 16

<210> 2705
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2705
acatattatg aatccc 16

<210> 2706
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2706
agtaatgacc caggct 16

<210> 2707
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2707
agtgatgggt ccccac 16

<210> 2708
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2708
gtgaatatca actgtt 16

<210> 2709
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2709
gcagatctgg ctgcct 16

<210> 2710
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2710
aggatatttg gctggg 16

<210> 2711
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2711
acttatcgca aggaac 16

<210> 2712
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2712
gcgatatacc tttctg 16

<210> 2713
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2713
tgcgatatac ctttct 16

<210> 2714
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2714
tgaatgacag gtgtgt 16

<210> 2715
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2715
tacaatcaca attgct 16

<210> 2716
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2716
gccaatacca aagaac 16

<210> 2717
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2717
tctaaatcag gacagt 16

<210> 2718
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2718
gcaacatggg cactgc 16

<210> 2719
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2719
taagatcgca tctggg 16

<210> 2720
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2720
agctatctgg gttagg 16

<210> 2721
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2721
ggaaatagac gatctc 16

<210> 2722
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2722
ccaatttggg catcaa 16

<210> 2723
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2723
gccaatttgg gcatca 16

<210> 2724
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2724
gttatatgtg tggcat 16

<210> 2725
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2725
tgttatatgt gtggca 16

<210> 2726
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2726
gtgttatatg tgtggc 16

<210> 2727
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2727
gctaaaattc cactct 16

<210> 2728
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2728
cgtaaacatg attcct 16

<210> 2729
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2729
gttattaagg acaacc 16

<210> 2730
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2730
cgttattgtc atttgt 16

<210> 2731
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2731
tcgaatgaag atggtc 16

<210> 2732
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2732
aatgataagg acccca 16

<210> 2733
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2733
gtaatgataa ggaccc 16

<210> 2734
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2734
agtaatgata aggacc 16

<210> 2735
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2735
gttaattgtg cacttg 16

<210> 2736
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2736
tgttaattgt gcactt 16

<210> 2737
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2737
gtgttaattg tgcact 16

<210> 2738
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2738
agttataaac cctggg 16

<210> 2739
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2739
acaataattg gccaaa 16

<210> 2740
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2740
gatctaatta ccagct 16

<210> 2741
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2741
tacttaggtt actcct 16

<210> 2742
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2742
gacaatgggt caacgc 16

<210> 2743
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2743
tgctctaaat gactgc 16

<210> 2744
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2744
ccacatctat ctcaga 16

<210> 2745
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2745
aatatctcag cagtgc 16

<210> 2746
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2746
caatatctca gcagtg 16

<210> 2747
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2747
ggcctaacag tgtcca 16

<210> 2748
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2748
agtcattagt acgcca 16

<210> 2749
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2749
gtcttgtggg atgtga 16

<210> 2750
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2750
tcaatacaca ctgttg 16

<210> 2751
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2751
ggataattca atacac 16

<210> 2752
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2752
ataacatgtt actcag 16

<210> 2753
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2753
cataacatgt tactca 16

<210> 2754
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2754
gtcataacat gttact 16

<210> 2755
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2755
tgtcataaca tgttac 16

<210> 2756
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2756
ggcactcaca gctgtc 16

<210> 2757
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2757
agctgttgtg cagtgc 16

<210> 2758
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2758
gctaaatgtg gactga 16

<210> 2759
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2759
ggcaatgcat acagtc 16

<210> 2760
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2760
gttattaacc ccctgt 16

<210> 2761
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2761
tcaattactt acaaga 16

<210> 2762
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2762
tgtttatgca ccatgt 16

<210> 2763
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2763
gaattatgcc ttctac 16

<210> 2764
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2764
gtctatgtgg gctgcc 16

<210> 2765
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2765
atctatggca tggagc 16

<210> 2766
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2766
acatctatgg catgga 16

<210> 2767
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2767
acagataaat caagcc 16

<210> 2768
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2768
cactatgcgg ccacca 16

<210> 2769
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2769
gtacatactg cagcag 16

<210> 2770
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2770
ggtacatact gcagca 16

<210> 2771
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2771
gcgaatgcca tgctta 16

<210> 2772
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2772
gacatttaac acacta 16

<210> 2773
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2773
ggcttaatcc cacacg 16

<210> 2774
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2774
gaatttggga ttgtgg 16

<210> 2775
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2775
tcatgcatgg cactgt 16

<210> 2776
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2776
agcataaaag cactct 16

<210> 2777
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2777
gctatgaatt tcctcc 16

<210> 2778
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2778
ggctatgaat ttcctc 16

<210> 2779
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2779
tgctatgacc ctcact 16

<210> 2780
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2780
acagataaca gtggcg 16

<210> 2781
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2781
gtaattcccg ttctct 16

<210> 2782
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2782
tctattaccg taattc 16

<210> 2783
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2783
tacatgaaca gtctgt 16

<210> 2784
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2784
aacttacaag catcgg 16

<210> 2785
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2785
tgaacttaca agcatc 16

<210> 2786
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2786
atcaatttta aacacg 16

<210> 2787
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2787
acaaatacat gaggtc 16

<210> 2788
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2788
gtattattcc cagcta 16

<210> 2789
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2789
tgtattattc ccagct 16

<210> 2790
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2790
gagaatatca cagggt 16

<210> 2791
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2791
tgtaatcagt caagag 16

<210> 2792
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2792
gacaattgtg accggc 16

<210> 2793
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2793
cacaatcaga gcattc 16

<210> 2794
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2794
tgatttacag gcccaa 16

<210> 2795
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2795
gtgatttaca ggccca 16

<210> 2796
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2796
actaatgaca gacaac 16

<210> 2797
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2797
taaactaatg acagac 16

<210> 2798
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2798
ttgaattgtg gaccaa 16

<210> 2799
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2799
aggttaatgc ttcacc 16

<210> 2800
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2800
tcaaatggtg accact 16

<210> 2801
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2801
cgttttagtt ttccta 16

<210> 2802
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2802
gtaataacat gtgtcg 16

<210> 2803
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2803
ggtaataaca tgtgtc 16

<210> 2804
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2804
taaacaattg ctcatc 16

<210> 2805
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2805
ggtaattctg caaaga 16

<210> 2806
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2806
taatggtaat tctgca 16

<210> 2807
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2807
actaatggta attctg 16

<210> 2808
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2808
ttagatctca ttacct 16

<210> 2809
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2809
gtaacaacat ctacct 16

<210> 2810
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2810
ggtaacaaca tctacc 16

<210> 2811
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2811
tgatttacag gatgct 16

<210> 2812
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2812
ttgatttaca ggatgc 16

<210> 2813
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2813
gcaaatgctg gctacg 16

<210> 2814
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2814
cccaatggca aatgct 16

<210> 2815
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2815
ggcactacct tcacca 16

<210> 2816
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2816
tcatattgtt ctgccc 16

<210> 2817
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2817
ttcatattgt tctgcc 16

<210> 2818
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2818
ggcttttgtc agagga 16

<210> 2819
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2819
ttcaatgaca tgctag 16

<210> 2820
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2820
tatatcagct cagtgc 16

<210> 2821
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2821
tatatatcag ctcagt 16

<210> 2822
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2822
ttgtatatat cagctc 16

<210> 2823
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2823
tcatacataa ggatgt 16

<210> 2824
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2824
gctcattgta aacagt 16

<210> 2825
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2825
tgcatttggt cttgct 16

<210> 2826
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2826
gactatcagt atgcac 16

<210> 2827
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2827
catcatattg gtggga 16

<210> 2828
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2828
gctatattca caaggc 16

<210> 2829
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2829
ggctatattc acaagg 16

<210> 2830
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2830
aacgattagg gactca 16

<210> 2831
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2831
ccctatttga tcagga 16

<210> 2832
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2832
gcaactacct ttgtta 16

<210> 2833
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2833
agcaatttca ttggcc 16

<210> 2834
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2834
agcaatacct tactgg 16

<210> 2835
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2835
tggtatcagg gtccca 16

<210> 2836
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2836
catgatgtcg ctggca 16

<210> 2837
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2837
tccaaaaatg ggctgc 16

<210> 2838
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2838
tctaatcgaa gaagct 16

<210> 2839
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2839
tctgattagt ccatgc 16

<210> 2840
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2840
acaaatgcgg agatga 16

<210> 2841
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2841
gccaatgcaa ggtggc 16

<210> 2842
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2842
tgttttggtg ctggct 16

<210> 2843
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2843
tggaatggtt actctc 16

<210> 2844
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2844
atcttctgca gtgtgg 16

<210> 2845
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2845
ggtatctggg ccatca 16

<210> 2846
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2846
agcaacatga accaca 16

<210> 2847
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2847
gtaatcaagg cagcaa 16

<210> 2848
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2848
agctctggtt tcaaca 16

<210> 2849
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2849
ttaattaagc tctggt 16

<210> 2850
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2850
cttaattaag ctctgg 16

<210> 2851
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2851
ggcttaatta agctct 16

<210> 2852
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2852
agtgacatag caagca 16

<210> 2853
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2853
aagaatcaga ctcttc 16

<210> 2854
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2854
catttataac aggcca 16

<210> 2855
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2855
ccatttataa caggcc 16

<210> 2856
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2856
ggcttatgag tccact 16

<210> 2857
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2857
tgcattaaaa ctgcga 16

<210> 2858
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2858
aacaatcata gcctca 16

<210> 2859
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2859
aacttactgt ctccca 16

<210> 2860
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2860
gtttaataat gtgcag 16

<210> 2861
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2861
ggtttaataa tgtgca 16

<210> 2862
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2862
gggtttaata atgtgc 16

<210> 2863
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2863
tcgctaaagg ctctga 16

<210> 2864
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2864
tgaaatcagg gctccc 16

<210> 2865
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2865
ctctatcaca gggccc 16

<210> 2866
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2866
tgctctatca cagggc 16

<210> 2867
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2867
tgtatctggt gactcc 16

<210> 2868
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2868
accgataaat gttgta 16

<210> 2869
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2869
tatagtaaca gctggg 16

<210> 2870
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2870
cagtatagta acagct 16

<210> 2871
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2871
tcagtatagt aacagc 16

<210> 2872
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2872
tgtttaagga ctccac 16

<210> 2873
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2873
gacaatttgt ttaagg 16

<210> 2874
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2874
gatctaatca gaagca 16

<210> 2875
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2875
tgagattacg caccac 16

<210> 2876
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2876
attatagggc ttctta 16

<210> 2877
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2877
ttattatagg gcttct 16

<210> 2878
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2878
tttattatag ggcttc 16

<210> 2879
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2879
gtttattata gggctt 16

<210> 2880
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2880
agtgatattc ccaaca 16

<210> 2881
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2881
catatatctc ctgtta 16

<210> 2882
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2882
tcatatcacc acttgc 16

<210> 2883
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2883
acaatcatat caccac 16

<210> 2884
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2884
gacaatcata tcacca 16

<210> 2885
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2885
ttatatgtgg acacct 16

<210> 2886
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2886
tttatatgtg gacacc 16

<210> 2887
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2887
cacaatccca gatctc 16

<210> 2888
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2888
tctataaggt tcctta 16

<210> 2889
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2889
tgtttctata aggttc 16

<210> 2890
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2890
ccaaatttag aggaca 16

<210> 2891
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2891
acatatcttg catgac 16

<210> 2892
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2892
ttagacatca gactgt 16

<210> 2893
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2893
gtcttagaca tcagac 16

<210> 2894
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2894
tcaattgagg cttcta 16

<210> 2895
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2895
tgtatctggt tcaatt 16

<210> 2896
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2896
gtaaatgtat ctggtt 16

<210> 2897
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2897
ggtactgagg ctgtgg 16

<210> 2898
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2898
cagaattatc aattcc 16

<210> 2899
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2899
ggtgggtaaa atgtgc 16

<210> 2900
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2900
gcacataggg ccttct 16

<210> 2901
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2901
gacaatgtag tttcca 16

<210> 2902
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2902
aactatccca agctcc 16

<210> 2903
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2903
ggcttcaact atccca 16

<210> 2904
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2904
attgatacag ccgttc 16

<210> 2905
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2905
atgataaagg ctggca 16

<210> 2906
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2906
aatgataaag gctggc 16

<210> 2907
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2907
aagattatgg tttcct 16

<210> 2908
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2908
gaagattatg gtttcc 16

<210> 2909
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2909
gtacatggtg gagtcc 16

<210> 2910
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2910
tgtattacct acggca 16

<210> 2911
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2911
gctattaatc atattc 16

<210> 2912
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2912
tacttaccag gatctc 16

<210> 2913
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2913
acttataccc agggca 16

<210> 2914
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2914
gacttatacc cagggc 16

<210> 2915
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2915
atgaattctg gtctgg 16

<210> 2916
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2916
tcaactagcc atgtct 16

<210> 2917
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2917
cacttagcca catctg 16

<210> 2918
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2918
ttaatcactt agccac 16

<210> 2919
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2919
accttaatca cttagc 16

<210> 2920
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2920
acaatacctt aatcac 16

<210> 2921
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2921
caatttatct ggagga 16

<210> 2922
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2922
tcaattagtg ttgcct 16

<210> 2923
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2923
atcaattagt gttgcc 16

<210> 2924
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2924
gtcaatcgac tggtac 16

<210> 2925
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2925
atatgattca tctcgg 16

<210> 2926
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2926
aatatgattc atctcg 16

<210> 2927
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2927
agctatgagt agcagg 16

<210> 2928
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2928
gccaactaat tcctcc 16

<210> 2929
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2929
gccattcacg ggctgc 16

<210> 2930
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2930
caagggtaca gactta 16

<210> 2931
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2931
ggctggatgt gagtgc 16

<210> 2932
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2932
acaactaacg gcaggc 16

<210> 2933
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2933
acacatcagg gtttca 16

<210> 2934
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2934
tcctaatggt gactca 16

<210> 2935
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2935
tacaatgtaa gccttt 16

<210> 2936
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2936
gtatttcaaa gtagtc 16

<210> 2937
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2937
ggttttaata gacaca 16

<210> 2938
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2938
gggttttaat agacac 16

<210> 2939
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2939
gttaacaaca attgtc 16

<210> 2940
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2940
acagatcttg catgtt 16

<210> 2941
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2941
agctatcaca cagaag 16

<210> 2942
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2942
gcaaatccat tgccca 16

<210> 2943
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2943
gtgttaaggt ggcaac 16

<210> 2944
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2944
ctacatggtg atgggt 16

<210> 2945
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2945
gttagctgga ctcaca 16

<210> 2946
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2946
caatatcctg gtgact 16

<210> 2947
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2947
acacatgcag tgagcc 16

<210> 2948
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2948
tgtatggtgg ctcagc 16

<210> 2949
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2949
ttgtatggtg gctcag 16

<210> 2950
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2950
tgcaatgctg ccaggc 16

<210> 2951
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2951
agagatattg atgtct 16

<210> 2952
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2952
gcacattggt taggct 16

<210> 2953
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2953
ctcaatgtgt acagta 16

<210> 2954
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2954
tggaactgtt tacagt 16

<210> 2955
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2955
caagtaactg agtcac 16

<210> 2956
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2956
atctatccaa ggagga 16

<210> 2957
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2957
tcagttcacg gatccc 16

<210> 2958
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2958
tgctttctaa ggttgg 16

<210> 2959
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2959
ttttatctgg gctcca 16

<210> 2960
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2960
tggaactttt atctgg 16

<210> 2961
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2961
gtgaatggaa ctttta 16

<210> 2962
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2962
tgtatatgag cccatc 16

<210> 2963
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2963
tcatatccat gcccac 16

<210> 2964
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2964
acaattggtg cctttc 16

<210> 2965
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2965
cacaattggt gccttt 16

<210> 2966
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2966
ggacatcaca ctcctc 16

<210> 2967
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2967
cgcaatggtg actgcc 16

<210> 2968
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2968
tgaaatacca tccacg 16

<210> 2969
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2969
cttgaaatac catcca 16

<210> 2970
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2970
gcctttactg acagct 16

<210> 2971
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2971
acaaatgggt ctcgag 16

<210> 2972
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2972
ggttttcacg gccagc 16

<210> 2973
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2973
gctatgaagg ttttca 16

<210> 2974
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2974
agctatgaag gttttc 16

<210> 2975
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2975
tgtcatatgg ccaggg 16

<210> 2976
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2976
taatattgtc accctc 16

<210> 2977
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2977
ataatattgt caccct 16

<210> 2978
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2978
gtttttgcag ctacta 16

<210> 2979
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2979
actatcaacc atctta 16

<210> 2980
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2980
ggacttaatt tacaca 16

<210> 2981
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2981
tggacttaat ttacac 16

<210> 2982
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2982
gatactaaag tctgga 16

<210> 2983
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2983
gcagatggtg gtctac 16

<210> 2984
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2984
gcattttaat attggg 16

<210> 2985
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2985
ggtttaagcg atctcc 16

<210> 2986
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2986
ccaataactg acctca 16

<210> 2987
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2987
accaataact gacctc 16

<210> 2988
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2988
agttattctg atgcca 16

<210> 2989
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2989
gggtatggtt gcaacc 16

<210> 2990
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2990
tcattaggac acagcg 16

<210> 2991
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2991
atcattagga cacagc 16

<210> 2992
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2992
tactatcagt acagct 16

<210> 2993
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2993
gatactatca gtacag 16

<210> 2994
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2994
ggagatacta tcagta 16

<210> 2995
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2995
tggagatact atcagt 16

<210> 2996
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2996
gtgaacactg atcact 16

<210> 2997
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2997
ggtatatgag gaaaca 16

<210> 2998
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 2998
ccgtatatgt ctccga 16

<210> 2999
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 2999
accgtatatg tctccg 16

<210> 3000
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3000
ggcaattgtc tctctt 16

<210> 3001
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3001
tgtataagct cacttt 16

<210> 3002
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3002
catgtataag ctcact 16

<210> 3003
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3003
agcatgtata agctca 16

<210> 3004
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3004
ataattatgt cccatc 16

<210> 3005
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3005
gataattatg tcccat 16

<210> 3006
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3006
ggataattat gtccca 16

<210> 3007
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3007
tggataatta tgtccc 16

<210> 3008
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 3008
atggataatt atgtcc 16

<210> 3009
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3009
actactagtt tctgtt 16

<210> 3010
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3010
cactactagt ttctgt 16

<210> 3011
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3011
ggttatgaga ttctta 16

<210> 3012
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3012
tggttatgag attctt 16

<210> 3013
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3013
tttattcaca gggtcc 16

<210> 3014
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3014
tatttattca cagggt 16

<210> 3015
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3015
gtatttattc acaggg 16

<210> 3016
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3016
gccaatggaa ggcacc 16

<210> 3017
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 3017
tccatttggg ctgtgc 16

<210> 3018
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3018
tgcgatatcc tcccct 16

<210> 3019
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3019
gagaataaag cctggc 16

<210> 3020
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3020
gattgaggta agggtt 16

<210> 3021
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3021
aagtgctatt ataact 16

<210> 3022
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3022
gaagtgctat tataac 16

<210> 3023
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3023
agaagtgcta ttataa 16

<210> 3024
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3024
aagaagtgct attata 16

<210> 3025
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3025
aaagaagtgc tattat 16

<210> 3026
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 3026
gaaagaagtg ctatta 16

<210> 3027
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3027
ggaaagaagt gctatt 16

<210> 3028
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3028
gggaaagaag tgctat 16

<210> 3029
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3029
agggaaagaa gtgcta 16

<210> 3030
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3030
aagggaaaga agtgct 16

<210> 3031
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3031
aaagggaaag aagtgc 16

<210> 3032
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3032
taaaatgtac cccctc 16

<210> 3033
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3033
gaaaagaaca acctgg 16

<210> 3034
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3034
tgcagctgtc agcatg 16

<210> 3035
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 3035
atgcagctgt cagcat 16

<210> 3036
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3036
tatgcagctg tcagca 16

<210> 3037
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3037
atatgcagct gtcagc 16

<210> 3038
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3038
gccatatgca gctgtc 16

<210> 3039
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3039
ctttgccata tgcagc 16

<210> 3040
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3040
actttgccat atgcag 16

<210> 3041
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3041
tactttgcca tatgca 16

<210> 3042
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3042
ttactttgcc atatgc 16

<210> 3043
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3043
gttactttgc catatg 16

<210> 3044
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 3044
ggttactttg ccatat 16

<210> 3045
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3045
attgaggtaa gggtta 16

<210> 3046
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3046
tatcttgatt gaggta 16

<210> 3047
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3047
gtatcttgat tgaggt 16

<210> 3048
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3048
tgtatcttga ttgagg 16

<210> 3049
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3049
ctgtatcttg attgag 16

<210> 3050
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3050
cgctctgtat cttgat 16

<210> 3051
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3051
ccgctctgta tcttga 16

<210> 3052
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3052
tttaggaggt gacgga 16

<210> 3053
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 3053
ttttaggagg tgacgg 16

<210> 3054
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3054
attttaggag gtgacg 16

<210> 3055
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3055
gattttagga ggtgac 16

<210> 3056
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3056
ggattttagg aggtga 16

<210> 3057
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3057
gggattttag gaggtg 16

<210> 3058
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3058
agggatttta ggaggt 16

<210> 3059
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3059
cagggatttt aggagg 16

<210> 3060
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3060
acagggattt taggag 16

<210> 3061
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3061
cagctgtcag catgat 16

<210> 3062
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 3062
gcagctgtca gcatga 16

<210> 3063
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3063
cggtggccat ggaggg 16

<210> 3064
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3064
ccggtggcca tggagg 16

<210> 3065
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3065
cccggtggcc atggag 16

<210> 3066
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3066
gcccggtggc catgga 16

<210> 3067
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3067
ggcccggtgg ccatgg 16

<210> 3068
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3068
gggcccggtg gccatg 16

<210> 3069
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3069
agagcatagg agaggg 16

<210> 3070
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3070
gcagagcata ggagag 16

<210> 3071
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 3071
gagcagagca taggag 16

<210> 3072
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3072
ggagcagagc atagga 16

<210> 3073
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3073
agggagcaga gcatag 16

<210> 3074
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3074
ggagggagca gagcat 16

<210> 3075
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3075
atggagggag cagagc 16

<210> 3076
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3076
atcctgttat atcttt 16

<210> 3077
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3077
aatcctgtta tatctt 16

<210> 3078
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3078
caccaggatc tccccc 16

<210> 3079
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3079
gatcaccagg atctcc 16

<210> 3080
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 3080
gcttctcggc acactt 16

<210> 3081
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3081
agcttctcgg cacact 16

<210> 3082
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3082
tgagcttctc ggcaca 16

<210> 3083
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3083
aggaactgag cttctc 16

<210> 3084
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3084
taggaactga gcttct 16

<210> 3085
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3085
ttttggactt gcagtg 16

<210> 3086
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3086
acttcaaact cggctc 16

<210> 3087
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3087
aactgtattg attagc 16

<210> 3088
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3088
gtgtggttaa tatggc 16

<210> 3089
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 3089
atagaataca gagtgc 16

<210> 3090
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3090
tagtcggttg tctgga 16

<210> 3091
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3091
gatagtcggt tgtctg 16

<210> 3092
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3092
tgatagtcgg ttgtct 16

<210> 3093
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3093
ttgatagtcg gttgtc 16

<210> 3094
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3094
agttgatagt cggttg 16

<210> 3095
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3095
gagttgatag tcggtt 16

<210> 3096
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3096
cgagttgata gtcggt 16

<210> 3097
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3097
agcgagttga tagtcg 16

<210> 3098
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 3098
gtattatggt atgtga 16

<210> 3099
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3099
taggtattat ggtatg 16

<210> 3100
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3100
ttaggtatta tggtat 16

<210> 3101
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3101
attaggtatt atggta 16

<210> 3102
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3102
ggattaggta ttatgg 16

<210> 3103
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3103
ttggactgtt ttcccc 16

<210> 3104
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3104
gtttggactg ttttcc 16

<210> 3105
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3105
gatgtgtttc ctgtgt 16

<210> 3106
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3106
tgatgtgttt cctgtg 16

<210> 3107
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 3107
atgatgtgtt tcctgt 16

<210> 3108
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3108
agatgatgtg tttcct 16

<210> 3109
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3109
cagatgatgt gtttcc 16

<210> 3110
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3110
acagatgatg tgtttc 16

<210> 3111
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3111
atacagatga tgtgtt 16

<210> 3112
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3112
tttttgagag gttgac 16

<210> 3113
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3113
tatagggctt cttatc 16

<210> 3114
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3114
ttatagggct tcttat 16

<210> 3115
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3115
agtttattat agggct 16

<210> 3116
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 3116
aagtttatta tagggc 16

<210> 3117
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3117
taagtttatt ataggg 16

<210> 3118
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3118
gtaagtttat tatagg 16

<210> 3119
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3119
agtaagttta ttatag 16

<210> 3120
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3120
atgtatctgg ttcaat 16

<210> 3121
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3121
aatgtatctg gttcaa 16

<210> 3122
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3122
aaatgtatct ggttca 16

<210> 3123
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3123
taaatgtatc tggttc 16

<210> 3124
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3124
aagtaaatgt atctgg 16

<210> 3125
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 3125
caagtaaatg tatctg 16

<210> 3126
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3126
acaagtaaat gtatct 16

<210> 3127
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3127
aacaagtaaa tgtatc 16

<210> 3128
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3128
ttctggtctg gcttaa 16

<210> 3129
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3129
aattctggtc tggctt 16

<210> 3130
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3130
tgaattctgg tctggc 16

<210> 3131
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3131
aatgaattct ggtctg 16

<210> 3132
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3132
gaatgaattc tggtct 16

<210> 3133
<211> 16
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic oligonucleotide

<400> 3133
agaatgaatt ctggtc 16

<210> 3134
<211> 16
<212> DNA
<213> Artificial sequence

<220>

<223> Synthetic oligonucleotide

<400> 3134
caagaatgaa ttctgg 16

<210> 3135
<211> 3684
<212> DNA
<213> Homo sapien

<400> 3135
gaggtcgctc gggtcgggtg tcgcctgaga accggatgag gcggcgaccg tgaggccgag 60

ccgggagcgg gcgtcttgcc gaggcccggg cgggcgggga gcaacggcta cagacgccgc 120

ggggccaggt cgttgagggt cggcggcggg cgaggagcgc agggcgctcg ggccgggggc 180

cgccggcgcc atgggcaacc gcgggatgga agagctgatc ccgctggtca acaaactgca 240

ggacgccttc agctccatcg gccagagctg ccacctggac ctgccgcaga tcgctgtagt 300

gggcggccag agcgccggca agagctcggt gctggagaac ttcgtgggcc gggacttcct 360

tccccgcggt tcaggaatcg tcacccggcg gcctctcatt ctgcagctca tcttctcaaa 420

aacagaacat gccgagtttt tgcactgcaa gtccaaaaag tttacagact ttgatgaagt 480

ccggcaggag attgaagcag agaccgacag ggtcacgggg accaacaaag gcatctcccc 540

agtgcccatc aaccttcgag tctactcgcc acacgtgttg aacttgaccc tcatcgacct 600

cccgggtatc accaaggtgc ctgtgggcga ccagcctcca gacatcgagt accagatcaa 660

ggacatgatc ctgcagttca tcagccggga gagcagcctc attctggctg tcacgcccgc 720

caacatggac ctggccaact ccgacgccct caagctggcc aaggaagtcg atccccaagg 780

cctacggacc atcggtgtca tcaccaagct tgacctgatg gacgagggca ccgacgccag 840

ggacgtcttg gagaacaagt tgctcccgtt gagaagaggc tacattggcg tggtgaaccg 900

cagccagaag gatattgagg gcaagaagga catccgtgca gcactggcag ctgagaggaa 960

gttcttcctc tcccacccgg cctaccggca catggccgac cgcatgggca cgccacatct 1020

gcagaagacg ctgaatcagc aactgaccaa ccacatccgg gagtcgctgc cggccctacg 1080

tagcaaacta cagagccagc tgctgtccct ggagaaggag gtggaggagt acaagaactt 1140

tcggcccgac gaccccaccc gcaaaaccaa agccctgctg cagatggtcc agcagtttgg 1200

ggtggatttt gagaagagga tcgagggctc aggagatcag gtggacactc tggagctctc 1260

cgggggcgcc cgaatcaatc gcatcttcca cgagcggttc ccatttgagc tggtgaagat 1320

ggagtttgac gagaaggact tacgacggga gatcagctat gccattaaga acatccatgg 1380

agtcaggacc gggcttttca ccccggactt ggcattcgag gccattgtga aaaagcaggt 1440

cgtcaagctg aaagagccct gtctgaaatg tgtcgacctg gttatccagg agctaatcaa 1500

tacagttagg cagtgtacca gtaagctcag ttcctacccc cggttgcgag aggagacaga 1560

gcgaatcgtc accacttaca tccgggaacg ggaggggaga acgaaggacc agattcttct 1620

gctgatcgac attgagcagt cctacatcaa cacgaaccat gaggacttca tcgggtttgc 1680

caatgcccag cagaggagca cgcagctgaa caagaagaga gccatcccca atcaggggga 1740

gatcctggtg atccgcaggg gctggctgac catcaacaac atcagcctga tgaaaggcgg 1800

ctccaaggag tactggtttg tgctgactgc cgagtcactg tcctggtaca aggatgagga 1860

ggagaaagag aagaagtaca tgctgcctct ggacaacctc aagatccgtg atgtggagaa 1920

gggcttcatg tccaacaagc acgtcttcgc catcttcaac acggagcaga gaaacgtcta 1980

caaggacctg cggcagatcg agctggcctg tgactcccag gaagacgtgg acagctggaa 2040

ggcctcgttc ctccgagctg gcgtctaccc cgagaaggac caggcagaaa acgaggatgg 2100

ggcccaggag aacaccttct ccatggaccc ccaactggag cggcaggtgg agaccattcg 2160

caacctggtg gactcatacg tggccatcat caacaagtcc atccgcgacc tcatgccaaa 2220

gaccatcatg cacctcatga tcaacaatac gaaggccttc atccaccacg agctgctggc 2280

ctacctatac tcctcggcag accagagcag cctcatggag gagtcggctg accaggcaca 2340

gcggcgggac gacatgctgc gcatgtacca tgccctcaag gaggcgctca acatcatcgg 2400

tgacatcagc accagcactg tgtccacgcc tgtacccccg cctgtcgatg acacctggct 2460

ccagagcgcc agcagccaca gccccactcc acagcgccga ccggtgtcca gcatacaccc 2520

ccctggccgg cccccagcag tgaggggccc cactccaggg ccccccctga ttcctgttcc 2580

cgtgggggca gcagcctcct tctcggcgcc cccaatccca tcccggcctg gaccccagag 2640

cgtgtttgcc aacagtgacc tcttcccagc cccgcctcag atcccatctc ggccagttcg 2700

gatcccccca gggattcccc caggagtgcc cagcagaaga ccccctgctg cgcccagccg 2760

gcccaccatt atccgcccag ccgagccatc cctgctcgac taggcctcga ggggggcgtg 2820

ctctcggggg ggcctcacgc acccgcggcg caggagcttc agtggtctgg ggccctccgc 2880

cgcccctatg ctgggaccag gctcccagtg ggcagccctg gcctcttcct taacgctggc 2940

cccggtccag ggccggcccc tgtgcctggc tggacaccgc actgcgcaaa ggggccctgg 3000

agctccaggc agggggcgct ggggtgttgc actttggggg atggagtctc agggtggcag 3060

agggggggacc agaacccttg acaccatcct gaatgagggg tccagcctgg gggggactct 3120

accaaggtct tcttgggctg ggaaagccca tgtagggcag gccttctata agtgcgggca 3180

ccaagggcgc ctacatcccc aggccttgct ggggtgcagg ggtatatcaa cttcccatta 3240

gcaggagctc cccagcggca agcctggccc agtgggctcg gtagtgccca gctggcaggc 3300

ctgaggtgta catagtcctt cccggccata ttaaccacac agcctgagcc tggcccagcc 3360

tcggctgcca gaggtgcctt tgctaggccc ggagccgttg gcccgggccg gccttgccct 3420

attcctctcc tcctcctcct cctgggtccc ccagggtggc tgggcttggg ctatgtgggt 3480

ggtggtggcg gggggtcttg ggggcctctc agctcccgcc catgcctccc tgatgggtgg 3540

gcccagggcg gcctctctct gaggagacct cacccactcc tcgctcagtt tgaccactgt 3600

aagtgcctgc actctgtatt ctattaataa actaaaataa agggaagacg ctgctggtgg 3660

ctgctgaaaa aaaaaaaaaa aaaa 3684