SEQUENCE LISTING

<110> 4D Pharma Leon SLU

<120> Process

<130> P077226

<141> 2021-11-25

<160> 2626

<170> SeqWin2010, version 1.0

<210> 1
<211> 57074
<212> DNA
<213> NCIMB 43667 Genome

<400> 1
atgacggtgg ctcaatgact ccggaagctt atgtagaatg gctggctgct aagtctacta 60
cacagcttca agcaggcttt gctcactact atggtaaccg taacacaatg gctcgtgtag 120
aagatactta caatggagct tggcacgtag ctaactacaa tggtaacatg gactatgtcg 180
gatacgaagt ttgtgagtct ctgaaagttt ccgacaaaga cttcatcgca aacgaagaag 240
cggtgttcca acaagccgct aaagacatga aagactgggg actaactcca tctcgtacaa 300
ctgttaagct tcacagagcc tttgtaccga ctgattgccc gcaccgttca tgggcgttgc 360
atgtaggtag aggggcagct gatacaacag ctaaccgcaa caagttggta gactacttcg 420
tagctcgtat caaacactac atgggcggag gaagcaacaa cagcaactcc ggaagcaagc 480
caaatactgg tggaaatagc ggaggcaaca agattaccaa tactactaag tttaataatg 540
gagacaaagt aaaagtcttg gcaaaggcta ctaactatca gactggtcag tctataccaa 600
gctttgtcaa aggtcagact tacactgtca aacaatctaa agtagttaac caatcagtct 660
ccaaatacgc cttcctattg gatggagtta acagctggtt cttggcacaa gacttgcaga 720
aagtctctgg gggctccact ggatatgctg ctaagaaagt tggggacaca gttactgtcc 780
aaagctttgc ctcgcgctat caaacaggag aacctattgc cagctttgta aagggtaaaa 840
agtataagat caagcaggtt aaatctgtca aacagtctaa gtcaaaacgt gcttacctgt 900
tagatggaat ccagtcatgg gttcttgaac aagacgttaa atagcatagt aaaagacctc 960
ccacagtttt tgtgggaggt ctttttgtta ctcttcggaa gcagcggtat tcatcttttc 1020
aaaagcttcg tcaaagctat caaacagctc gtcgaagttt tcaaggaacg tgtcaaagac 1080
ttctgcctca gctccggaaa gaggttcttg atagttatag gagatgtttg caatggcgtt 1140
taccaagtct tgggtagaca gctctccaaa ggttacttct tctttctgga gctctttcaa 1200
agcttcggta tactcgtctt gcacagcttt tggaatgttc caagaagttc caccagactc 1260
gttgacattc ttaattagat tgccatcatc atctcgttct ccaaactctt cgataagctc 1320
catctgctct tctgcataag cttcctgctg cttgttaagc cattttacaa agcgtgtgcg 1380
tttacgactc tcttggcgag ttaggttagg catgttgtaa aagattcgtg ccaagattgt 1440
aatatgagcg tttggaatct tagctgttaa aagttcaggt aaagtcattt aatcatcctc 1500
cataaagtta tatcaatagt atatcataca atcactaaaa tgtcaagcga atagatcttc 1560
caactcttcg gcagagagct cgttagggtc atggaagtct tttcgaccaa cctctgaaac 1620
agccttatca ataaacccat tccacttgaa ttgccgaagc tgcatgtatg aagctgtcgg 1680
aaaccttgca gagcctcccc aatctttaat agctaactcc atccacttct taagaacctc 1740
gtttccgtaa gcctccatat cagactttat gcgaattcta gtaagtttaa cattaagagt 1800
tgatggattc tgcttgaaat gaatcatatt aaggtagtcg agataagtca tgaaagtagt 1860
tgtattccac agctctattg gaagagcctc atagtcgtct gtcctaactt tgttaccttc 1920
tgaatcctta tataacttgt cgtctaatgt tcttgcccaa gccatttaat atacctccat 1980
tcatctaatg gaataatctt atcatatata atggagtctg tcaataggtt aggcgaagcc 2040
tagctgaggg tttcccgaag ctgatgtttt agctttaaag atccttgaac agactctccc 2100
ttaaacccaa ggacttctat cgaagccctg ttcacttcgt tcactaactt cttaacgttc 2160
agtttcactt cactaaggtc aaaccccctta aaaccattat acaaatttac aataaatctg 2220
tcaagctata aatggagtaa atctattaat cttaaacaat tcttaataaa ctaacaaaaa 2280
taactccaat cgcttgactt cctccctata ttatggtata cttataaatg taataaagat 2340
taggaggaat aaattatgtc aaaaggatta gatgctattc agcgagttgt tgaacaggaa 2400
gcaaaagtag aacgtgaacc aagtcgattg acttatttga aaaaaggaca gagcattcgt 2460
gtacgcattc cagaggatat tgtagacaac ttgcatgtct ataaagtagt tagcgtgttc 2520
cagaaaatct taccaacgct ttcttacgca gcagagggac gttcagaacg tgacctttac 2580
aacgaagcgt tcgagatcat gcgagaagac tttgcaacag ctaaagctaa cggaactgta 2640

```
gcggctgacg acaaagaagc ttatcgaaac tccatgattc tacaacctaa accaactatc  2700
ctatttggag taattccatt agcggacttt gtacaaggca agaaagagaa cctttatgaa  2760
gccggacaac cgttgttgtt ggagactaac ttaggtaaga ataatgctaa cattgatgcc  2820
ttaacagcag ctttgacaaa gcctacgaac gctaagaaat ttggtagtcg tgcttttgaa  2880
attacttgca tcgcttctaa ccaatactct tttgcagctt tagatgagga tgagttagag  2940
cctaacgaga agaaagtatt cgaagaaact gctggagtat ctattccaga tgaagtattc  3000
gacggctctc tattcgaaag caatactgaa aaacaattga acgacttacg tttaatcggc  3060
tttgacacta ctcgtttgaa aggcttcgaa aacggtcagc aagaaactgg cacaatcgac  3120
atttctgacg aggatattcc attctaagag gggcgcaagc ctctcctagt cttattagga  3180
ggaactatgg atactattaa aatgactaca gaagagcaac tagcattagt tgatttcatg  3240
gctatctaca atctactagg gcaactagca cagggagact tcgttaacta tgacgacact  3300
gcgacggcta tccgaatcca cgacaacatg cgtgtgattg agtctgtatt ggaacatgcc  3360
gaagactcag tagagttcaa agatgtccgc aagcatttgc taaacctttc agacgtcttg  3420
gtaacacgct ggaaacactt cttacccgaa gctgacctag cagctatcga agagtctacc  3480
gataagttcc gtgcaaaagc tattgagcga cttgtggaga acggactttc agaagaagaa  3540
gctcaattag ctgtaggtaa aattggtctg aacggaggaa actagatggc agttgttgga  3600
gtgatcttac taatcatctt agtagccttt ctggcagctt tggcaggggc tatgtgggtg  3660
ctatgggcaa tcgttcattt ggcttccgtt actattgacg aagctgacga ggagcctttc  3720
aaaaaggtgc tagatttatt agaagatgct attgaaaaat attatcgagc aaaatttggc  3780
aacgaccttg actcagtaga attagtcatg gacgtaacct acaatcatgg agaggatgaa  3840
gactatgagc aagtttagtt atatagccgg ctacctccat ggcaacaatg tttaccagac  3900
gttgtccgag ttttacttag atgacgtgca catagaatcg acaaagtata ttggaggcct  3960
ccctacaaaa gagttgttta ccgcagctct tacggaggct gcccgagaag ctgcttacga  4020
tgttgtggca gaggctgctg acaacttcca caaagacatt gtagtgtatg cgcacatagt  4080
atatcaaggg ctctgcgtag agttccataa agagtataac ttacacgact tcattgactt  4140
cgaagacatg agcgaaacag ttgagaacga ccttgctaac tgggctgtga tgaagtttgg  4200
cacagttatt gcacagcttc cggagatgat tatcaatgga ctatagcaga ctatacgtgg  4260
gcgacaaagt tttgtaccaa ggaactacct gtgctaacac agtgactaag ggaaagactt  4320
acgaagtagt ccgcttgaca actaagccaa agcatggtat cattatagat gattcaggaa  4380
acgataagct cattcagatg ggctatctgt ttgcaaagat tggaggaagc taatgaagta  4440
cgatactaac aaagagatca atgaaacagc cgatgctgct aaacctattc tagaagagtt  4500
agaaattgat cttaaagagg acgagtacgt tatcgtacag ccttatggag atggcaatgc  4560
tattatcatt cgagtggttg aggaagagga tggtagaact attaaagtag aagtatctga  4620
ctcagttgtt gtgctacctg ctaaagatgg tttactggat gtattcgcct aagattggat  4680
gaagatgaat gaagcgatca ttaatcattt gggtagaaga cgttggcaca ttaaagttcg  4740
agaatgtcca agacttttcc gactacaaag aagtaatcaa tttcacttat gatggagtat  4800
ctactaatga gactagggca gcaaccttca acaagtctaa attagttgga tacgccttta  4860
caaaggaggg aaataaacat gttagaaact gttgaaaaac gtatcgctga gcttcttgcg  4920
gagaccggca aagaggttac agacttgcaa gtaactgttg aacatggagt tgagaagcct  4980
gacttcaaag gcgacatgta cgtagcccaa gcaaagcttg atggggaatc tactccatta  5040
gctaagtgga cagttggcga caacttcaaa gacgaccccg atatggtaga gcctttggca  5100
cgaaacctag ttgaccgtat gttggaagac tatggggtgg aagaagagta actagcaatg  5160
agcccactgg aagctcctga cgaggttctt caaaaagagc aagcccaaca gctcacagag  5220
gttgaacggc tgctccagtc atcttttgg gctttgggat ggacgagtct acgagatggc  5280
tcaagtgcac gaaccatata gtagcacgta agtggaagct gttggtaggg cggattgcct  5340
cagtgtgttt ggaaggctga ggaacaagct tctgcaaggg tttatgggag atacgcttcg  5400
gagaaatctt ccagaatatt ggcttagact tagagagtag ctttccgaag agtgaatgag  5460
tcgaaaaaga acggactagg aagccctgcc gaagtccttc gaaacctgtc actagccgtg  5520
aatagtttgt tgactgtctt gtcacagtcc gtgtttctgg aggctgagga tactccccta  5580
tccaaggcct ttggactcac agaaatacct ttaccatttc atttaaccaa ctccttacga  5640
aaacaaatcc aagaagagaa ggacagtctt gccagaggct gtctttttgt ttatataaaa  5700
gcttgacaag aggctgacta agtggtatga taggtttatc aaagttatgg aggttagcta  5760
tgtacaaagt atactatatc acttggaaag gtgcccatga cgttttctgg ctctgtgcaa  5820
acagccaaga agaagctgct tggatagctt ctacgatcca aggtgtcgga gagattgaaa  5880
aaattattaa ggaggagaat tgatatgaaa cttttggaaa acttgaaaca tgaatgcgta  5940
gaggctcagg cagtactccc taattactat gaagatgagc caatgcttac ttgggaatcc  6000
gttgaagaag ctaaccggaa gattgacttc actttaggag aagctgtcag aaactgggca  6060
aatacttttg ctgaccaatt tccagagcag tgggcagagc atgacgagta tgcttatcga  6120
atgctgtttg gagagtctct gatggcattg ccttacgaac tagatggctg cgattgtgat  6180
ttcgaggagg aagaataatg aaggtcaaag agcttgcaga agttatctac ccaaatactt  6240
cactgtacat tgacggtgtt tctaatgcag ctgggaatac ctttatgaaa ctatactcca  6300
tcgagtatct cgttgagcat tatggagaac gtctcgttga agagattgaa acagaacacg  6360
actatgatgc cagcttttta tatattacat tgaaggagga agaatagatg ttagatatgc  6420
gtgtagaaga ttatcgaatt agctcagacg gcaaccaagt aatcgtggaa agggctcgtt  6480
ggacagactc tggagagatt tccatgctaa ctgataagaa gactggcgaa aaatttgagt  6540
```

```
cacggtctct tgttggctat taccaaaact tgtcgaaggc tctggtaggt atccaaagag  6600
actgggtact atctaataac ggacattcca tcaaaactat ccaagactat aagaaggcta  6660
tcgacgacat tacaaaagct ttcgaagagt cagtaaactt aggggaggaa ttttaatgga  6720
tgccaaatta agagagttcc atgcagccta ttgtgcagct tacgataagc tttccacagc  6780
tgatgaaaag ctttcagatg ctagaaggta ctcagagctt tatgtaagca gtgtaggtaa  6840
ctttccagaa gcctcactaa ccctgtcagg agattactct gatgatagag tattaaaaat  6900
acctcgcaac ttacttgcag aaactgttgc agagtatatc tcgcttttag cagatgaagt  6960
agacgaagcc gaaggagagt tacaggattt aattaacagc atgaaggagg acgaaagatg  7020
agctttgaag taaaagcttg gttaaatctt aatggagggg atgacataga aatgtctgtg  7080
caggttccca acaatgctac tgacgagcag attgacgagg ctgtcaaaaa tgaaatcatt  7140
gcacatctcg actggggttg ggaagaccct tatgaagagc cttatgagga cacctatcca  7200
tgtggctgtt gcatgtgctg tggttgtagt tgcgattttg agtacgagga catgtggata  7260
gacgaagact gggaggacga gtaaatgcta tttaaagcta aaccaaaagc ttctgcactg  7320
gaatcgacag cctattccta ccattatgga gagtggaatt tccctataga tgctgacgga  7380
tatattcatg gatggtatgt tgatgggtat attgtaggag ctatcgaaga gtctaccgaa  7440
gagtatattg cgccagaatt ctggtgccct attgagaaag acactttgga aattgattta  7500
gaggctatct caaaaattgc tagaggagag gttgaaggga ctgagcacat agataagctt  7560
ttagccctcg atgaacttat tccacatgtt ctttatttag acagatacaa ggaggacgaa  7620
taaatgtgga catggttttg gaagaactct aatacagaga cttacagtaa atacggactc  7680
catggttcat tcattggaga ccctcctcga gtagctgtgg gagatgttta tacaagagta  7740
gatggatatg ctccattaaa ttatattgtc acagctattg acaaagagcg acaattagtt  7800
aaaatggaat taaacgcaag ataatggagg aaatctttaa tggaagaatt atggaagcca  7860
gtggttggct atgagggtaa gtatgaagtt agcagctttg gtagagtcat gagcttgaat  7920
tacagcaagc agggagagcc agctatccga aaactatctt tagataaaga cggttatcta  7980
aacgttaccc tctattctct tggaaaacct aagacgctta aagtccatag attggtggca  8040
caggcattcc ttgaaaacaa tagtaatctt cctgaaataa accacattga tgaaaataag  8100
tcaaacaacc atgtagagaa tcttgagtgg tgctctaggt cttacaatat cagctatggt  8160
caaggtagca tacagagggc actgtctaaa tgtcgtcagg tagaggctgt tgacagctca  8220
gggatccgtc gccatttatt taaaagtacc caagaggcag gaagaaacgg atttacacaa  8280
tcgtcagtgg ctgcttgttg tagacatgag cagtctcatc acaaaggttt tatttggagg  8340
tatattgatg acactagata agatacacct taccaaggaa attcttgtac tcattgacat  8400
acctgagtac ctacagagat atgattgctg ggagaacgct aaattcacag acgagcgact  8460
aatctgctcc agtccttttc gaccggactc ttcgccaagc ttctttgtaa actttaacaa  8520
tgagtttgca gggacttggg gagactctgg tagtggagat tccggaaact ttataaagct  8580
tgtatcacta ctcgacgaaa caggctatga agaagctttg gacaagcttc gggacgagtt  8640
tatgttaggg gcttatgaca ctccacagat aagcgttggg gtaactgctt cccagagtcg  8700
tgatagcttc cggaaagtcc cttggaataa gtctttgtat ctactttccc gaggtatttc  8760
agaagctact caagaagcct atgagacatc tgagggagac gactttataa ggcttccgta  8820
tgttgatgga gtaggagaat ggagagctat taagtatcgt aaaacattct ctaaagactt  8880
cttctatgaa gctggtaaca atcatatcaa agatttggta ttcggccatc gagttattta  8940
caaagagaat ccaacaactc ttgcaatttg cgaagctgag atcgatgcta tgacagctta  9000
tgaaatggga tatgtcggaa taagtcttgg ttcagctaac ttgagcgact ctcagataaa  9060
gcttattcat aagttcggag tagataatat tctgatagct acggacaatg actccaaagg  9120
taacatggct gctgaggata ttcgcaaggc ctttgcaaag actcataacg tttatagggc  9180
aaatcttccg aatggagaag acttgaacgg atactggcag aagaaccact ccaaattaaa  9240
atggataaag ctgtcagaaa gcaacttact aaactttcga aaggtgtggt tttgatgatt  9300
tttaaaacga ttacttccac agatacaatg gggagcgaga ttgaagagaa tatccaacta  9360
acttactcgc cttctaaaaa cagaatccag ttggagctta gttatgaaga ccttgaggag  9420
gatgcttcat actacatgga agattatatt aaactaacta aggaagatgc tttgaaactt  9480
attgaaagct tgcaagagtt agttaaagag atggaggacg aataatgtta aaacgaatat  9540
atagtaggct tgacccagat gagtttatag aattagaaac catatcagga acctacctta  9600
ctgttgaatc aatgtatcat ccaaaccacg actactctgg aaggacagga gaggcgcata  9660
ctttgaacaa ctttgtatca ctagacaaac atgaggtcag aacactcatt ggaagtctgc  9720
aagaaatgct taaagagatg gaggaatcag agtggatata aaagcaactg tatatttaaa  9780
atcaggtgga gatactagca tgataattta tgatactaca ttagaagagc aggataagca  9840
atattcaaaa ttctttgaga agggtattga aaataatatt atatgccacc aaaccaattc  9900
cgaggttata ttcattccag tttctaatat tgcatgtcta agcttaaaag agctgcctaa  9960
ataaactttc tgagaggcct tgacaaggct tctttttttat gctattctta atgagtagaa  10020
aagccactaa aggagttgct aaattgaaga aatcaacctt acttaaaaaa ctgatattag  10080
agactggcaa aactgaggaa caagttaagc aaacgctatc tcacatccac ctccagttat  10140
tcgggctgtc tggagagagt ggcaagttcg gctctgctaa gatacctctg gaatacaatg  10200
acttattctt attcaatagc cctgccaagg atgctcagcc agctacttac gagcttttgg  10260
aaagctatgt taagagtttc cggagatact ttgccaatcc ggaagaggaa tctatcaaga  10320
atctttactt gtggagtcca gagaaaggca acggaaagac ttccacagct gcggcactgc  10380
ttaacgaata tatgttcaca gcatggaaag cttcggtaaa gcttaaggca actattccac  10440
```

```
agcctcctgc atactttcta gatgttaaca gcctacagac tttgtataac cgtttcactc  10500
gtcaaggagt ttcctatgac gttacagaag aagcctccag aaaatactat gctgagatgg  10560
atgttgcaaa ggctgctcca atgcttgtgg cagatgacat aggagttcga tcagctacag  10620
aggcgtttcg ggcagacttg catgaaatta tcaattacag aatggttaaa ggacttccga  10680
caatctacac aagcaacctt ccactagttg atatggagca agtctttgat gaacgtcttt  10740
atgataggat gcgtgataag actgttatga ttaggtttga gggagactct aaacgtgggg  10800
tcaagaataa gtccactaag gaggctaaat aatggctaga aacgttacag gagagttgct  10860
actttcaaag gttattaacg agaatgatgt tgcagcactc aaccgccacg gaatatccag  10920
agagatgttt ccggtagctt ccgaaagaga tgcttacgat tttattatac actattcaag  10980
aactaacgag ggtaacgcac ctagctttgc aacagttatt gacaatgttc cggaattcga  11040
ctacattcca aatacggaag actcttttac atatctgtcg aaagagctta agaagaagaa  11100
gttccaagtc gagcaagcta acttcattaa taataagcta tcagaattat ggaatgaagc  11160
tgataaagct aacgatccgg aaggatttgc caacgacatt attaaagctt tcgaggagat  11220
gaaacactcc aacagaatat ctggaaaagc tggccatctt ttagaacacg ctggggactg  11280
gtatttggaa gagttctaca agcgtaagga aggcaagtct atccgctttt ggaagagtca  11340
ttttgaagga cttaacgaca tcatcggagg aggttaccaa gagtctaata tgattacttg  11400
gtatggccgt tctggtagag gtaagtccac gatcacactt atggaaggac ttgaggcagc  11460
ttatcaagga gctaatgtat tattctgggt gcttgagatg cctaagtatg agttcgccag  11520
tcgtgcccta agctttatct cagctaagga aaagcttaag aattcagtta ttgatggagt  11580
tgactacttg gcagggttta gcgtatacga cttgacaaaa gcttctttca aaactgttga  11640
cgaggaacag tcgttcgtag actttgtaat gaagttgaac acagtcttag aaggctcaat  11700
tacaattcgt gctatagatg atgaagactt tattgatcgc tctgtgagag ctttggaaag  11760
agacattgta gagagtgaag cagatgttgt gatcgttgac ccagcttact acatggacta  11820
cgagaagaat acttctaaaa ctaacggagg agatgccgca gctacttcca aagctcttcg  11880
aaagcttgcc ggacgtacaa aagttgttat gcacgttatt acacaggctg aggaagatga  11940
ctccgagaag cgtggcgatg agcgtgagct aaacattcca aagcgtagcc aagttaagaa  12000
gacaaaagcc ttgctggaag atgcagctat tgtactagct ttcgacagtt gtgacggaat  12060
ctttggacta gaagtttcca aaggacgttc cggaggagaa ggagaaggca tagaaggaat  12120
cttcttacct tccattggat atattgaaga gaacagtcaa caggtcgtcg aagagttgtt  12180
tgcagatgat atagaatttt aaggaggtag aaagatggca gctattatac agttttcaga  12240
cggaaccttc cacggcggag ggacagttaa cattaagcca gtaaaagagg cggaacgagc  12300
caagtcatat gttagtgtta aaaaggctaa ggcagctctc cgaagtctta atggtaccta  12360
taaggataga tggaatgagc agatcgaagg agctattgtg tgggaagttg agtatatctt  12420
tgtaaagggg tacaaatatg aaagcagttg agaatctact ttttgtaaca acctttgcca  12480
acaattggtc agtcagtgta gccagagttg atgatggaga gtaccgatgg agcgtacgtt  12540
acaccaaccc aaaaggttac tcagtttaca acatgtatga aacggattcg gaagtctttt  12600
tagagctggc taaagtacag aaatatgagg aggacgaata atggtagaat ttatgttaga  12660
gctatgggct tggagcaagt tttttgaatg ggcttttgga gcagtcgtgg tagtagtttt  12720
cgtagtagct ttgttagtat attggggaat ccattcgtac aagcttcgaa aaataaataa  12780
gaaatagtat tgacaattcc tctgattgat gttatgatta attcataagt tgattggagg  12840
aattttaaat gacatatgca caacgtatga aaacattcta caaggctcat gaaaacgact  12900
tggccttgat tggtaacaaa atagaagcac ataacttcca agtagtctat gacaaagact  12960
ccggagagtt tctgaaagtc cctacgaaag tctctttcgc agcttgcaaa aataaggcat  13020
gcaaactgtg taaggagatt gctgagctag gtaagatagc tgatgaagta gctcatgcca  13080
gaatcattag cagaggctgg gagaaggctt ctatatactc cattgcacgt cttgcggata  13140
ctggaatgaa cttaaatgac attgcagatg ctttagaaac gactccagaa gttatccgag  13200
gactgattaa ggacgacatt gaatctgagg gatggtctat ggaggatgtt gtacgactat  13260
tcagaacgac tttccaagtc tctacaacag ttatgtatga gctaattcca tatactgcgg  13320
aagacgttcg gaaagctatt ttaataaacg gtaaaaagct tactacactg actggtaagc  13380
cactacattt agaggaggaa gaaggatgaa taaataccat atatactacc gtttaattga  13440
gtcacagttc actgattact gcgtagtagt gactaattct attcagtctg caattgacaa  13500
tgctctggag aacataccaa tttatgacca cgttaaatta tccgaaattg atatttgtca  13560
cgttgagaaa gtggaggaat aaagatgaga gagtatagtc aaagagattt atggagtgtg  13620
gttaatggaa aggtagttat tccagaagct attgcagact atttggagag cttccaaagg  13680
ggaggcatct ggactatgaa tgataaagag gatgctgcac gatgtatttg taatgttggt  13740
tggggacatt gggtagaagg atctactgga gaaaaatatg acttcgggga agatcataag  13800
aagtatcata atatgtttgg aggagagact cgttttcata tccttcgggc acttatggac  13860
ggctacgtag tacatgcccc aaaggttgct gtaaggtttg gcaagaagtt tgcaaaatca  13920
tccgaagtag attcagaact cacttcaatg acttatcggt ggacgcctga tcgggaggat  13980
gagtacagct atacgagaag ctatgtacta acgctttcag actaccctga gccatggaat  14040
tacagagatg ctttaatgct acaagaagat tttggagggg agattgttaa gtatggttaa  14100
gaaactgttt gaagtatatg tgacgtatgg taaaggtgac ggcgaagagc ttcgggagag  14160
ctgggtggca gaagatactc cagagaatcg agcagagtac ttggataatc tttgttacag  14220
cgatgagttt gctgactctg agagcaactt cgtagacgga aaaagtaata tcatgcacta  14280
ctactgttat ggtggagatt gggatgatcc aacaggtgga tggttgcagg taagaagtta  14340
```

tgaggaaaag cgagaagaac ttgccaacga gtatgacaag gaagttaaac ggctcaaaaa 14400
acaattcgga cgtggagagt gattatatga gtagagcatt atctttagta gatattattg 14460
aacagctgcc tgacacgcct gtgggaacac gcttcgaaac agactatgga agcgagcttt 14520
atgtaagtac tcagacagag cctatgccag acagtcaaaa ggttcttaaa tggaagtccg 14580
atgacagggt agtaggtatt accgaagtaa ctgttggaac aacttaccac ttgattccag 14640
actacgttga gattggctgg caggaagctt ttgaaatgat taaggaagct actgaatcat 14700
tccaccaacg gcttactgga gttttccttg agagtgccga cggtttccga gagatttcta 14760
ttatagatga ctttgaggaa gacatttacg ttggagactt catcgactta ttccgtatga 14820
aattctataa atctaataaa taaactttgg gagacctatt gacaggtctc ttttttcgtg 14880
ttatgatagc atagtaaacg aaaggggaca aactgtatga agatctcagt gaatgtgaca 14940
tcagttaccg aagataataa agctaaggaa aagattaaga aagcagctaa ggcaaaggaa 15000
ataccaacta tggaagagtc gtgggagctt atctatagcc gtaagaactc tcctacagac 15060
ttggcaagac tccaaaaggt ggaggaatgg tttaaggaag gaaagattgg ccgagaagct 15120
ggcaaagagt ccaaagcctt taccaaagct gaggcactac gcctttacaa agctatccaa 15180
gaggctgaac gtaaggaaaa gattgaggaa atggctacta aagagtggga aaagtacccc 15240
ctaatctctc aagaagatgc cgaacagtgg gttgataact gtctgaacgc tgacgacgac 15300
tactttgcaa tggactttga aacagtcgga gataacggtg gtaagtataa gtaccgagag 15360
caggtagcag gtttctcact aacctaccga ttcaatggaa agcttgttaa tggctactta 15420
ccaatcctcc attacaaaga ggcagtcgct ggagggtttg ttgaagatcc tcggaacatt 15480
agtaaaggaa tggcttacca attgattgaa aagctattcc acagccctaa gaactccatc 15540
tggcataatg caacgtttga cttaggcttg gcaaaggctg ccctaggcat cgaagcaact 15600
catatgccgc atgatacaat ggttatcatg aagctattga acgagaactt aagcgacgtt 15660
cggacacctg catttccaag cggagtcgga tatcagttga agaaccttgc agaatacttc 15720
ttgaagattc cgtctgatac ttttggagag ctgttcggaa aagatgctaa gtttggctac 15780
gttccattgg atgccgctag atggtatggt gcaaaggata cttacgtagg cttcttgctc 15840
tttgaatggc agatgaacat tcttaataag cctagctttg caaaaattaa gaagtattat 15900
gagcgtattg aacatccatg tatcaaagct acttacatca tggagtcaga gggctttgta 15960
attgatgaga gagaagtagc caaacagcgt gaggaaggct acaagcactt agacgaactc 16020
caagaggcta tcaaggagac tttcggggac gttaacattg gctctccgca gcagttgtct 16080
aagatgttgt actttgaaaa tgattggagc aagtatgtga cacgtgataa gaagtctatc 16140
ctcagcggtc atgtaggctt tgacgaccat tacattagca acaaccgtaa gtttgcttta 16200
gttgaaggca agaagctttt aatcaatcct cgggtagtta acggagagac tattggagac 16260
tctctgccag ccgactcaga tgctctgaaa gccattgcca agcatcacga agaagtccag 16320
ttgattcttg attggaagga tgagagcaag catttatcag cctttgtgga taagattaaa 16380
gacttcatag agcccgacgg aaagcttcac ggagacttca aacaggttgg tacagtaact 16440
ctacgctatg ccgcagctaa cccaaacctc caacagcaac cttacaaggc tcgtaatatg 16500
ttcggcattg gagaagattc gttaatcatg tcggcagact tctcacagca ggagccaagg 16560
ctcatgactc atatgtctaa gtgtaaggct cttattgaag tctatcaaca agctcgtgat 16620
ctatactctg aaatggcttc ggcaatcttt aacaagccta ttgaagagtg tggggatggc 16680
tccatctggc gtaaacgtac caaagtcgtt gtactagcaa ttatgtatgg aatgtctgca 16740
tggtctctgg cagatgcttt gggagtgtct aaggacgaag gtcagaagat gattgacgac 16800
ttcttcaaat cttatccgga agttgaccga tggataaagg ataaccaaga agaggttaag 16860
aagaaccgct atgtggaaac cctttggggg actcgcagac ggtttgtgca tgaggatttc 16920
agcatcctta agaaggcttg gaatgactta accccagagg ataagaagac tcgttcaatg 16980
gttaaccgag cactccgtca gacaactaat ttcaaagtcc aaggaggagc tgcttgccaa 17040
actaaacaag taatcgttgc aatggttccg aagttgcagg agctgtccaa aagacgtggc 17100
aagaagcgtt gctttaatct gcttgcacag gttcacgacg agctactttt caaagttcct 17160
gtagacgtta ctccagagga agttgcagat attgagaacg tcatgattaa cacagttaaa 17220
ttaattgttc caagcaagac tgacattgct attggcaaag tctggggtaa gcttattgat 17280
aaggaggagt ttttcaatga acgaagagat taagcaagag atcgccaaga actttacgaa 17340
ggttaacaat tatattatgg aagcaactaa acgagagatg gctaagacgt gtcaggatgg 17400
tggtttctta gaccactctc tgaccgctct ggtagctaag cacgatattg agcaggaagt 17460
agagaaactt accgaagctt ttgaaagcat cagggcagag catgataaga ttaagaaaca 17520
cgactggatg atgcaagact ttcgagacgg tggtaagcct tctggatatg ctttgaaaga 17580
cttcaagaag ctgcccaaag accaattggc aagggtagcc caactgcaat ccagtatgat 17640
ttatgtaatg gctgactggg gctattacaa cagcagtaag gaagagagac ttaacgagat 17700
tcgcaaagat ttggaggaca tctacaatga agcctaattg gaaagactat ctgagagccg 17760
taggtaagct ggcggttgag ctagggcaag cgctaatcgt tttcgggata ttacttctaa 17820
cgattttctt gattactaag tatatgataa tcttgcccct attttgtctg cttgcagtta 17880
tcgtactatt cggggatgac ttagttagag agtttaagtc taattcccaa atgtttgcag 17940
aagaacgtca cgaaaaggag aatccatctg atgaagccta atttaaagga ctatttgaga 18000
gctgtcggga agtttacctt tatactaata gtgtcagtag ctatatttat agcttttta 18060
ggagttatgt acttatgtat gcgatatgta atacttgccg tgatagtttg tttgggagtg 18120
gctatagcac tagttggcgg attcgtagta tcaacagtct acgatatagc taagggagaa 18180
gctgccgaaa gagtatatgc cagtaccgtt gctacaaact ttggacggtt aactttcgta 18240

gaaactatgg agcatatcaa tgaaatagat tctattgtct acgaggagct gtcaaacttc 18300
actccaaagg aacagattat agtattagac ggcctccgga aatccccaat caaggagttt 18360
aaagttagct gttatgcagt ctacccattt ggctatcttg aaaatattga atggcgcgag 18420
gaacctgaat acattaagac ttacgatcag attatggaag acctccgact tgacattgaa 18480
agagatttgt gatataatgg gacaggtaga ggaggtcgct ttattgaata atgtagaaac 18540
gattcacgag gctccattaa tatacaatgg aatccagtca gacaagtatt tcataagcac 18600
tagaggagtc attcgaaaca tcaaaacgaa taagtgtttg actcctcaag atactggata 18660
cttacatgta cgaatccctc acggagatca gacgattaat gttaggattc acagagctgt 18720
ggcagagact ttcttacccc gaccggaagg ctgtgatgta gtcaatcaca aagatggcaa 18780
caagcagaat aacgacgttt ccaacttaga gtgggtaagc caatcagaaa acgttttgca 18840
cagccttgaa cagcgttcgg gagagattat tctagatgac ttcattgtaa cagtccctgt 18900
aagtggattc cgaacgtatc atattaaagc tgtgtccaaa gaggccgcca aagaagttat 18960
caaaagtggc ggcacaactc cacgctcaca gcattttgaa gagctcatcg gaaaagcaac 19020
tatcatagaa tttggaggat tttaatacat ggctaaaggt ttagcagcag ttaacaaggc 19080
ttccggacag actttggcac agaagatggc aatagacttt gcacaggagc ttgatcgctt 19140
ttgtgccaca ggctttaaca cagacttaca gataactaag caactatatt ctcagtatat 19200
aaacgttctt gacaacaacc cctttgaaga ctttccgaaa ggcgttccat tcttccgttc 19260
aagtggcact ggaaaatgtc ttcgtgagca gactcttcga gcgattgatg ccttagagtt 19320
tactaataat gcagacaagc gttcggtaaa tccttggcag aatcgttggc agaacatcgg 19380
tacagctatt ggagacatgg tgcagatgta tgtcctaatg atggagaagc attatgaacg 19440
acttgttgga gagccttgcc acttccgttt cgaaaggact ccagaaggct acccgatgtt 19500
cgaagagttt tccacgacgt tccaagagtt caagagcggt aagataaact tcattaccgg 19560
aggctctttg gacggcatta tgatttacac tgacccagag actggcaaag agtatcgggt 19620
aggacttgag gttaagtcta agcaaacaac ttatgcagcg actggtcatt ggtctatgaa 19680
ggaagctaac tccaaacacg tatggcaggt tactaactat gctatgctaa aagaccttga 19740
ccagtatctc attgtctatg taaacgcctc tcacaaaggc tggaacatga ctgaggaaga 19800
ctatgccaag tacccagatt tccgagtatt tggagtggag actccagaag agaagaagaa 19860
agaggttcgg aatcgtttct tcacagctgt tgaaatggct cacgaaggag tctttccaaa 19920
gctttcgctg gctgatttcc aattcaatga ctacaagaca gcctgtgccc taagccttac 19980
ttataaggaa ttagaggaac ttaagttaga agcttctact aagtttgaaa aagaggctat 20040
caaagagatt gagaagattc ggggagatgt aaaatgattg aatttgtcaa tgaatttttc 20100
aatgagaacc caaatattac ttggtatatt ataggagtct tcgcaggtta tgggcttaga 20160
agtgtatggg aaaatgtaag gagaggtgta aaatgattga gctgataatt gaagtagcag 20220
cttttgtatt tattgcttgg tactctacca atgtaggaaa acttattgaa agaatgcgag 20280
tatactcgat cctaaataac actgtagata ccctcgatga gatttctgaa aagcctgccc 20340
agtatcgctt aggctattta gcagctttag ataaagttgg acaaggagtg cataacaaat 20400
gacagatacc ttttacacaa ctttcacgat tacctatcta acccctatct ccaatgagtc 20460
tggagacgac attttctatg aaacatatag cttcgaagcc tcagaaggtt ttccggagac 20520
gaagattgag gagatgttaa ctgacctcct tataaatgga gcagtaatca ttggaacaac 20580
cgaggggcta ctgtatttaa acaaccacaa catcgcttct atcatggttc ataaggagga 20640
agattgatgc gtttcatggc ttttgacatc tcatctgttt caacaggtgt agcagtatta 20700
gaccaagagg ctaacggtaa tcttacgtta gtctttacca caaatattat tacaaactcc 20760
aaggataaga ctgggaagcg ccttcgaata ttcgccgaag agatgacagg gcttctcaat 20820
gagtttaaac cagactttgt aattaaggag acgacaatct gtcggatggc tactcaattt 20880
attaacatga agttcttcgc agccttcgaa ctagtcttgg aattagaagg gtacccacgc 20940
tactacgagt atggcccgac gactgttaag aaggttgtcg caggctctgg gaagtcctct 21000
aaagcagacg tagcagaggc tatccaaatc tacacagacg ttgatgtatc agatatgaca 21060
acagatgaaa ccgatgctat tggaattgct cttactcata ttggaaagac ttctatgctc 21120
attccaaaag ctgagatcat ggctgctaaa gagtttgatg aacagcagca ggaagctatg 21180
gaggctgtcg gagatgatgt ttaaaatcca atatacagta gctttcatcc tattagtcat 21240
tgtggagctt ttgcaatact tggtatacat cctagtagca cctgttgcaa cattcgtgca 21300
agagctctgg gagagccttt cagcatttcc ttttagagct atcagattcg cttggaaaag 21360
atattgcaca gccatgaaaa caggagaact tccatcacag acaaggagga caattagttg 21420
attaaaatag cattagcagg aactgcccga gcagggaagg atacatttgc taacgtcttg 21480
gaacaagagc tttccaagca gggttatgaa gttattcgag tagcttttgc agactactta 21540
aaagaaatct accagcaatt ctttggtcat ttagtcaaca acgagaagcc tcgggatgct 21600
tacgtaaccc ttggaaatgc ttttcgggag attgatataa acttctggat tcgtccagta 21660
gaggccatta gagattattt ggagaataca gagggcttcg gaaagcctgt agcaatgatt 21720
atcactgaca cacgttactt taacgaagct ctctgggcta gtcaagaagg cttcttagta 21780
gtcaaggtag atgctgaccc actaattcgc caagctcgtg cagaagcttt gggagagact 21840
ttgaaattag ataatgaagg ggattctgag gttgatctca ttcagccgga cttaactatt 21900
ctaaataatg gagaagctga tttccaagct atgccagcag ttgccagagc agctattgaa 21960
gagtataaag cgaggtttgg gaaggttgat tagatgccat tgtataatga atgtggtttt 22020
tacagagcta ttacagaagc tgagacagca gggcagtgtg ccttgcatct caaacgcttt 22080
gtgacagttg tcctaagacg tagtaaactt ccagcagaag tcagagggct gtttgtagaa 22140

```
gaggcctacg agctgtttca taagctttgg ggggaagagg ttccagatac cttagctcat  22200
gccttaagca ccttctacat gcaggacgat actactggag ggctttctgg agacaataag  22260
tatgctaagt gtagcagctt tgagtatagt ttctactctt atcgaaaaga gaagcggata  22320
gccaccgaag actatttcct agaatcggaa tttagtccta tgatagagaa ctccaaagtc  22380
tatggagact acatggttga ccaagactac tggatttggc ttgaagaagt tattgacaga  22440
agcaaccttc gacctgatga agaatacgtc ttccggaaga atgttttgga aggcatctcc  22500
ctcagaaagt tggaaggata caacggactt tccaaaagca ctcttggcag acgtttgaaa  22560
gatgctcgca agaagtttac caaagcagtt acaaagtatg gtaaagaggc aggataaccc  22620
ctgtcttttt attttgcaaa aactgttgac aggtttcaaa agtcatggta tgattaattc  22680
ataagttaac agagaggatg ttgaatatga cttttaaagt aggcgataaa gtaagatgta  22740
ttcgagggag tttatttaat gagattcaag tagacgaagt atatactgtt agtaaagtaa  22800
ccacttccga tacaggcaag gagttgattg aactagaaga ggattttaat ggagcttggc  22860
ttgctgaaag attcgtgatt cactatggag aagataattc tccagacagc tttaatatta  22920
atctgggaat agtttatgga atcctttata acagtattaa agatactgac gaagacttgt  22980
ggatgattgc agaaaatatt gcagaagctt tggggaagga aggttggaaa gcatgatgaa  23040
gcggtatgaa gtaatctatt acctagactt tgaaagcact ccacgaagtt atgtagtcct  23100
agcccacagc cctgaagaag ctgtcggaaa gacttgttgg agagaacgtg ggaaagctgt  23160
ccgagtagat attgtgaatg aagtttaagg aggaattgga atgagttacg cagacaacct  23220
tgcgaatact ttctggaaga atgttgacac tcttcggaaa gcttatggaa tgacgtggaa  23280
cgacatatat gagagtggac tagcttcaaa aatgtttaaa gctaagaccc ctccaactat  23340
gaagcggatg gcctctattg cagagattct tcacacgact gtaccagagc tgttggacga  23400
cagccttcat gaaactccta ctgagcatct ttatattgta actattggag aatgggctct  23460
gacacgctta acaaaaggcc aagcaacgtt tacaaagaat tgggcaacag agcctctggc  23520
gtttttcaga gactttgatg atgcttataa tgctactaaa gagttccctg ctgcggaggt  23580
ggaagtgtgg agttaagtgt ttttaccaaa gaagagttgg atgttattag ggctttggta  23640
cagcgttcta tagatcatgc agtagctgcg agaattcctt tggaaggatc ggctctgtcg  23700
ccacagcttt tgtcagagct gtacgcaact aataccaaaa cgctattgac aatgtattcc  23760
attagtagta aaatagactt attgaaaggg gaggaataaa tatggaacag attattttaa  23820
agagtgcagg aggattctcc acaatacagg ttgaccaatt aactaaagga aaatccgtag  23880
atattactct cagagatagt gagaaatcta aatgtggagt ctataattgg gaggaagtca  23940
aacagttcgt ccgagagcta tcagaactcc ttggactaac tattacaaaa gatatgtcca  24000
aagaagagcc gtatattctt ccggacgagc ttgtggaaaa gcttaaatat gagcttagca  24060
agaatcagcc agactcagat caatttatct gggaagcttg tacagaagat tctgatacag  24120
ttattggcaa ctgggtacaa gaaacggaca acgccattga acagctatgg agcatcttcc  24180
aaggacatcc ctttgaggct gagaagtttt atgttttaag agacagtgat gacgactatt  24240
tgagaagcta tacaatagca tcggatggca ctgctgaggg agaccttact atgtatccta  24300
gcaatgctgt taaattttct gctaaagaag atgcagaagc tgtgcaaagg cttttgaaag  24360
actaccgctt caatattgga cggtattagg aggagatatt atgcaaagat atgtacgttt  24420
gttgaataat ggagggtacc cagatattga ccagtatgtc ggaaaagttt tcccagttcc  24480
ttgggatagt tacaacctag ttgaggtaaa acttccggat gaggtgtcac gatttttag  24540
catatctgat ggagaggccg agtacgtaga acatccagaa gcttccctag acgttgcttt  24600
aagtaatttt atggagcagt cggatgagct tatcagagcc cttgaagaga cccaagcagt  24660
gttaaaggcc gctcagcagg ggacaaagga gcctaaagta ggagattttg taaagattaa  24720
gtccaaggat aatttggaga tatctaccaa actatataca agtcgttgtg gctacgttgg  24780
aaagattgta aaggtaagta acagcctagc agatagtcgt aaagtattta ctgtaaaatt  24840
tccacaagct tctttctctt ttctggagtt cgacctcgat cactatgagg caaaatttta  24900
cgaaagcgag tttacagttg tgccagaagg tacggaaggc ttacagggag tccagccatc  24960
tattggagta tttggaataa agtcggatct aaaaactcta acaaatattc ccgaagaatg  25020
tgttagtatg acaggagaat tttacacaga atttttggat ggaaatgtaa caattacaga  25080
ataatttttt tgacagttgc cgaagggtag ctgtctttta tttttgccaa gaaatttgga  25140
ggcagatttt tcaaaatatt tttctaagtt aagggatatt tttaaaatta tttttctagg  25200
aatggagtaa atttttaaaa atttttcct ttaatttttc aaattatttc aataaactct  25260
taaaatagcg ctataacagc tttttaacgt cgtcagagga acattctaag cacgtttcag  25320
atcaaagatt gggcaatcat ccattaaaaa tactctgaca gcctttcaat tagcctccat  25380
aataaaaact taccacgtct tggcaaagct tttgccacag ctgtcaataa gactccatca  25440
attagcacaa agctattcaa aaagcttata ttcatcctca aaataacatt taactaattg  25500
agttccccag aattttataa cagtcccccg ggatttttaa taaaaatcac ttaaaacatc  25560
atgacaggcg tacgaggttt ccggcagctg tccacaggct gcaccccggg atttttaaca  25620
gttttcactt aaaacgtcat agcatataca caacattatc aaggcttttc cacagctttt  25680
aggcttcttt tggacgactt ttgaacaaga tcaggaagaa gtctcgctga aagttttcta  25740
ctatataagg cgactttttt gacagctttc gaaaaataaa ataaaaaact ttaggtaaag  25800
ctattgcaat ttaaaaaacg ccgtggtata ttggtatcaa gttaagagaa aggaagttga  25860
aaaacatgaa agaaagaatc tttaattttg aatatttgac acaagaggag aacgaagcgg  25920
taactaatca ctatcgatgg tgtaaaaaag caatgaatag aaatttgata acgtctagcg  25980
aagctcagtt tatatttact gaaaaaatga tcgaagatta cagggaaaaa gcctttggaa  26040
```

```
tttgtacgaa cgttccaatg tttaccgagg aggtagcaaa atgacttata acatttatac  26100
aaacgacaat ttttatgcta cttgtggaag tctgacggct gtttatagtc ttgtggctag  26160
tcttgaaaag tatatttcaa aggataaaat aaaagtgttg acagtcattt gagaatttga  26220
taagcttatg acgagatcaa gaaaggatgt gggaaaatgg ttgtttcatg gttgattcta  26280
gcgcctgtat gtgtcgtggc aagcgcactt gcttttgttg cttggttaga tgattaaaaa  26340
gtttttacaa aacactttac aaacatattt caaagcagca ttataagact acaaataaaa  26400
ttattggagg aattacaaaa tgaacgaaca aaaacattat atcacagtcg gagaaatctt  26460
agaaactatg gaagaaagct ttgggctgtc tgattgggaa actgtcaaaa aggaacttga  26520
aacaatgcaa agccctatca attttacagg aaaaacagcg ccaactttga gcaaagatca  26580
ctttgggcgt atctctttgt taagcttttt caatgaattg gaatatgctg gcgaatggtt  26640
aaccgttgac gaattgaaag actatttcaa cgaattagaa aacgattggg gaggcgtttc  26700
ttggtatgaa tatggtgccg acaatactta caattattgt ggctaccttg aaagagattt  26760
aaactttatt atctatgaga atgattgcac agaagaaact ctagttttct ttgctgtcca  26820
tattggcata gacgtgcgag caggctatac aaaatacttt gcgatgaaat tcgacaacct  26880
ttacaaattt caagaaaagc tgtctgaacg ctttgagctt gctttcttag aatataagga  26940
cagcgacgga gacattcaag gggtatccct atatggttca gctacgagtg aattcattaa  27000
cggttatttc agatatgatg ataaagactt cgaagaatgt ctcgacatat acgacaaaga  27060
aacagctatc gaaagcctaa ccgagtttat gaaagagcaa gaaattgatt tcattgaggg  27120
atctttggag gttgtcgact aatggttaaa aacgaatata aaagcatgta tgaagccgaa  27180
aaagagaagc aagcaaatag cctcgtgaat aagtctttca aacgaggctt cacaactatt  27240
aacaacttga aacgttcttt agttttagca aagacttcgc aagaagcatt acaaggcttg  27300
tcaacagatt caaaaagcta ttccgaaact atgacgatgc tcgaggacaa tcttttgaaa  27360
gcttcgtcac ttatgttgag tgtagagcta gattttagaa acattcatca taattttaag  27420
aaaggggagtg aatgacttgc tacctatctt gtgggcggtt tttggtatag ctgtctggac  27480
tactcttaaa aaagcttgcc aaaaactttc tgactactta gaaaagcgaa aggataaaca  27540
atttcaaaaa agacttgaaa aacaatttaa gaaagcttat aataaagtca caggcagagg  27600
cttgctcgaa acatatcgaa gagggaagct atccataaat aacctagcgt tacttttgga  27660
ggctgtcaaa gaagttgatc cattactcta tgacgacgtt gtgagaaagc tttctgatat  27720
gattaggaaa gaagaaataa ggaaaggact tgcaaagcct agtgagctga tagagacacc  27780
taatttttt ggagacgatt cagatgatga tttgataaca cttgataaag atttatagaa  27840
aggagattgc gaaatgttag aatcgtttat tttcatagct gttgcattaa tcggaggtag  27900
cttttgcaca atccgcgcga tgaaacaatt agacgaaatt acaaaagaag cagaaagttt  27960
taaataaact attgaaattg taaaaaagct atgctacact atagaaaaga aattgaaagg  28020
atgataaaaa tgaaattctc acaaaaacat tacgctatgg tggaggaaag cattggcgct  28080
tttgaccgtg caaaacttat acaatataaa agtcagttgt cagaaaaggt aaaaagaaaa  28140
gaaatagtgg taaacagttt tgaagttaga tttatttttg acgtttatta tgcttgtgta  28200
ccgctaccaa ttagactgca aatcagtgaa gaaggaaatt acaaggataa ccatattaaa  28260
accgccgtaa aaacggcttt acagaaatta gatatcttat aacttttcaa tagaactata  28320
aaacttttgg aggcatacaa aatgaaacta aaaaacttta caattacaat gttaacaatt  28380
atcacagttt tgaatataac ttttctcata ggtaaaaaag cttatgagaa aggctatcaa  28440
gaagcttcgg aagctaacaa agtcaacaat gagcttctcg cagaagcaga agatactatc  28500
gaaagcaacc gcaacacgat cgcagatctc aataaaaagc tagactctta tgcaactatc  28560
aaagcagact ttgtcattgt tgaaagcgac acgaaaaagt tgtacattta tccgatcgac  28620
aatgataaga aaactattca gactttcaaa gttgacgagg gaataggcat agaagctgtc  28680
aacaaataat cgaacagatt tagaaaggct acttcataat tggagtagct ttttaattat  28740
taagaaaagg ttaagaatct atctgttatc tatcattttg aaagctatca gaaaagctga  28800
taaataagct tgtagatatc ttgtctatac aagttgtacg ttatgcttca gagagcgtgg  28860
gacttaactt ttttaaaagg gtatctgtta tgtaagtaac agattataat aagctattac  28920
agaagctact ccattatcta ataagaagca tacttctaga agcctttgca aaagcttccc  28980
aaggctttcc aaagcttagg caagtaacta tcaatagctt atcctaaagc tatcagaaag  29040
cctgtcaaga agcttatcct aacaactaat taaatagata aaagagaagt tgcaccattg  29100
attggagtag cttcttttta tatcctctta aatagctcac gagaagctct ctcagacgtt  29160
tcattataga atggtaacct actattagcc tatcatttgg ggagcgtaga tgagaatata  29220
caaggcatat ttgagaagcc tattctagca actattatag gcgttactca agaagctatt  29280
ctggaacgtg gttcacaact atccgagtag ctgttacgct aactgtttgt gagtctttct  29340
gatcgcctga taatagctta taatggagcg tgttgcatgg cgttcgatag gctgtcaagc  29400
accttgccac agctgtcaga ctacagtcaa tcagtcaaac ataaacgtaa aacctatata  29460
gagacgtcga ccaactgccg accagctgtt gatagtctta tggagtggct tctgtaggct  29520
atcgaacggc tgttcgcata tctattgatc tagtttacat aatgtgtatt atacaaagtt  29580
gacaagacac attgactcaa ctgttcgaca gtctcgacac acgttgaccg acgaccgacc  29640
gacgagacac acgacagact cacgaacagc tgacgtaata ggctatctga caggcttccc  29700
aaggcgtgcc agctacgttg accccagcaa gggaggggggt cttgccacag ctgaccgaag  29760
gcgcgcgcac tgttagcctc tgacaacttt tgcaagtttc cgtgtgaggc tgtccgattt  29820
atttttttctg gagtttccta ataggctgtc cgacagctgc cgacagactc cgaaaacggc  29880
tggccaattt tatttttttgc agttttccta ataaggcttc cgacagctgt tacaatcaca  29940
```

```
cgcacgataa gctgtttggt tagtttatcc ataactccat acagaacaaa ataagccgcc  30000
ctccgacaag ctgtcaaaag gtggctcata taagtattat ggaggcttag gcaaagctcc  30060
agtagaggcc tttgtgagtc ttttggcgac cgttacagca atctcttata cgtcgaggga  30120
taaacccttt attaccagcc tctgtgacgc ttttgaaggt gtgaactatg tttccttctg  30180
aatcctttgc aataactggt ttggactgct tttttgccct ccgttgccta gccgttccgt  30240
gtaagttatt ataccgatag gtacaccatt cgaggttgat gacacagttg ttaagcttat  30300
cttcgtctat gtgattgact attggaaagt tgttagggtt tgggcaaaaa gtctctgcaa  30360
taagcctgtg cattttatgc ggcatcctat tcatatatac aaccttatat cctccaatgt  30420
tcacgtaacc taagcgctcc cttaatttac catatctgtc aaatgaagca attctcccag  30480
aggggtgtgc catagctgtt gagaggctag ggataggctt ccaaccagat aaatcttcaa  30540
taattgctcc ttgctttgag gggggctttc tggaagctac tgaatgtctt atgttatggc  30600
tttgggagca aatttccaaa ttcattacat tggcgtttgt tttatcttcg ttaagatggt  30660
taacaaccca gccctctgga atatctccta taaaagcttg ggcgacagct ctgtggatca  30720
acaaacatcg tcctatgccg cttaccttga atgatggata acccccctaca ggagtccctt  30780
tcaaaaatct cccaagtctc cccttaacct ttccttccat attaacaaaa tacccctcag  30840
ccccttcgac aggcttccaa atagttgggt cataaactcc ttcaaatcta attggcttca  30900
aataactttc ctcctacaat ctattatctt acttgatatc aacgttaagc tgcttataca  30960
gcttcctacc ttctccaaaa ttcttaagta catatccctc acgctggagg aacctcttat  31020
aaatgcgacc tctccgattg tcctcccagt ctacttaaat gtacgtcggc aggctgtggc  31080
aaagttcttc cttggcatac tcctcaaact ccctaagctt tctaatagcc cacacaaaag  31140
gatatacacc gtctttccct gtagatttca aagtgttatc agaaatctgc ttccgcttat  31200
ggaatacatt tagaaataca ttagctactc caatattctc taaatcatat agctgaaact  31260
ctattctaac agtcatgcca cttggtaacc tttcttggtc aactattact tttccatccg  31320
gagtattttg aaaagtgaat gccatacttc ccctcctata ctcatcaaag ccgccttccc  31380
acagctttgg aaagcgactc tattagctta tttatattta gtgtccagca ggtttatgat  31440
agctcttact aaactcttcc gctgcttttt agctgggctc tcctgcatca atgcccctac  31500
cttccacgat ggagtgccat gttctgcacg agcttcttca aagcgtttag cagttgattc  31560
caaatccttt tccgtagccc tgtcagcata ctcttggaga gtcttgtcag cagctttgca  31620
gagaacttct tcacgagcct tttcaatcag ctgcttctcc gtacgaagcc ttacaattct  31680
atcctctagt aggtaaatat cactaactat atctgataga actacctctg gagctactcc  31740
ctcaagtttg tagtaaagct ttcgcaagac ttttcgatca tactttaagt tttcaatctc  31800
tcgttcaata gctgctcggc gttcttcagt catctattac caccatccca tgtctggctg  31860
cttccaacag ccgttcttgt tcttgttgtt gctgttctgg agtctctacc cagaacttta  31920
tcacgtggtc taggttgtag ccgtccaaga accttggctt ccactgttca aaagctgcca  31980
tattagttct catatctttg gcatcgcctt ctcggaacac ttctacagtg ccgtcagaaa  32040
gctttaccat gaatctgtgc ttaaattttc catcttctag cataagataa ttcctccagt  32100
atcctcatag tctatctcaa tgtcgctgat ggagtctagg taaatatctg ctgagccaga  32160
tgtcctatat atgctgatag gtgtatccac aggatagtcc agtagcttct ccactagctc  32220
tccaatagtt ccggcaggaa gctttgtgaa tgactgttcc aagacgtctg catctaatct  32280
atcactccat gggtcgagta aacctccaat gtcgtagcaa ttagtttccg aatctactga  32340
taggactttg taaaggtctc cttcataatc taacagtaag tctcctttgg agtatttcat  32400
tggtctattt accatagagt cacttcccct tcctcaaatt tactaattat ttctacatct  32460
tttacgtcaa ctttccattc attagtgttc cattggcaaa tactaacact gtcagtagga  32520
tcgtgcttgg acagctcatg gataagccat gcaacagttc ctataggagc tttcctccat  32580
tcgtcctcta ccaccgaagc atacaaccac atgtaaaggt cttcgccata ctttaggtaa  32640
tacttatctc cccaagaatc ggttgagcgt gacaccactt ttacaattct cattggggca  32700
tctaaatctc tccctgcatc tactaaaaca tctcctactt caaacttcat ttcaattcct  32760
cctcacagat ttttacaatg tgttcacaca gctcttgggg tattctggat ctatcgacac  32820
tccctttgat accttgggta cctgtcttag agccacgagg ggcggctatc tgaccatcta  32880
tgatagcttt tccttcgtcg tcgtgataca gggcttcgat ttgaagtctg ttgatacgtc  32940
gttcgataag ctgtgggaag acttccgaaa ggactgtaat cattttgcca ccacctttac  33000
gtcatctgtt acatcaacaa tgtcaaagtt ggcatttacc tcgttactta gaccacttcg  33060
gctactggtg tcaacattag ttagattaag actgcttaga taggctcctc ttccggactc  33120
caactcaaca aggtcgtagt gatattctcc aaaagattca caatcaacac atagatatag  33180
tttgtcatta attaaataaa cacgtccaat cattaatgta acatttcctg ctccggctgg  33240
ttgataatct acttccataa atcttcctcc tagtctttgg aatacttttt gatatgatct  33300
ggtctaaagc cactccactc catgccatca cttacgataa cgactgggaa gctgctgtgg  33360
ccacgactct ttaagaattg taacatctct gcatcagttt cgtcaactac tatttcctca  33420
aattctgtac cctgctttgc aaaggctaac ttagtttgtc tgcaagctgc acagaaggtt  33480
cttttcgaat aaactttaat catgctgtac atagtcctcc atattgtaaa aatagtttct  33540
taatagcttt tcggaattct ttcattttgg cacctccatt actctaatga tatgtctata  33600
acagcccaaa taataaacca tactaaacaa aaacctatta agaatagtat aagggtttcg  33660
aaggatactc ctgcgtagta tattaacaca gttccaagta taaatatcac aacagttgat  33720
accaagctaa ttaaaatgct aagtccattc tcactcaaaa ctcatcccat ccttccacat  33780
aagcatattc ctcttctggc aagggcttct tagttctcaa ttaattcacc tcagcctttc  33840
```

tcagctccac taaagcagtt gtatcgccgc cactcatgac attccaatca gatgaactaa 33900
acgctccata gaacactatt agaatttcat aggaattggc aagctctgta agttgttcgt 33960
cgatacctgt atacttgaga tgaccgtctt catcatactt agtgaaccct tgcagctctc 34020
tccattctgt caactactcc acctccagta tcttggacat ccgtgcaata gcttcctcag 34080
cctgtttgcc agactcttga atcttattat ccaatcgttc ctccaaagca tctcgcacag 34140
cttccggaag gtatctgtcc aatgacaaat ccgccatctg cttacgagct gtggtcatgt 34200
ttgataaagc agctaggtac acatccaagt taatatctag tgaaatatct aggacagttt 34260
tgtgagtaac ttgtggaatg aatggtagat cagtctcttc gtcaactaat tgcagttcgt 34320
ctgcataaaa ccagataact tctccctgct ccaatccaac catgacattg gggtcttcta 34380
cccttctatc cgggatcact gttctaacct ctccaatagc tcctatagga atatctggag 34440
atacaattgt atatctttcc gataagtctt ggaaatacct tactttgtcg cctgctttaa 34500
attctgtcat aaatacccctc ctaatgtttt actaagttgt ttgtctagcc tagaaatctt 34560
tctagctact gttgatttag gtactcctaa agacttctca atttctctaa cactagactc 34620
tcgaatgtac ctttcaacga atagtgacaa gctttcttta tcataccatg gaagtatctc 34680
agttgtcaag taaatggcat caatccatcc atcttctaag gaaacttcca cagctagatg 34740
gtcaagaagc cccatcggaa actcatgggc atacttctca gagggtgtct tcattctacg 34800
gtgcttacga aagctataga agctatactc aaaactactg cacttagcgt atttgttatc 34860
tcctccaata gatcctaccg tatcgtttgc caaagctaat agagataccc actctgagag 34920
ggattctgga ggctccccaa atcgcagttt ataggatgat ataatttgct cagcccatag 34980
aaagttttct ttatcagttc ctttatttct caataggtac tttatgagcc gaataccctc 35040
ttggacggct ttacctttat ttacagctct ctgaaaattc tcatacagca taataagcct 35100
cctaaaattg tctgagagct gttctacgcc acttacacct aatcatccaa gaagataata 35160
aaagtctcct cagacggctg tcaacgactc ataggcgtat tgtagcttcc ttagctctat 35220
gaatctatct taccacgtct ttggagactt gtcaatagct ttttgaaatt aatttaaact 35280
ccattgcaaa accttccttt ccttttccca gtttcggata agctttctaa aggcttttgc 35340
aaggcagctt cttggagtac cgtcggtatc agcgaccgac agcgctaaaa ccttttctct 35400
aaaagcatta tagcataatt taaaaatctt gtcaagtgat tgactccatt atattaaaat 35460
actctcataa tactccaatg ggacgtctcc agcttctaaa ggggctatcg aatgaggact 35520
tattaatctg ttggaaggag gagacagatg gctcttaaaa ttcaaggaaa agaagtcgga 35580
gagcgacagc agcagtacat gacttcctca cagactccag actactatga tggagtagat 35640
ttaacaaccc ttaagccaaa gatgaaacgc tttgcacagc attatgtagc tacggtaaac 35700
attgctgaaa gctgtaggtc tgtaggctac aatgaatctt ctgggcaccg cttattaaag 35760
cgagctgatg taaaagcgta tatccaatgg ctgattactg agcagtccaa cgctgacatc 35820
atgactgcta cagaagtctt ggagcatctt acaaagattg ctaagcgaga tggctatgac 35880
gagattgtca cagctaaagg ggataagatt caagcaagga tttctacaaa agaccagctg 35940
accgccttac aacaactagc taaattccat gacttgctaa ctccagacgt acaagtcaat 36000
aatgaattaa acatcatagt cgatatatct gagccggaag acgacgaaga agaaattaag 36060
caggccgaag cagttgagga cgatgctttg gaagcagact tcgaagagac cgacgaagaa 36120
ctagactatg gctttctgga aaactactaa aggaagggag aaatccttat ggaaaagctt 36180
ccgactcccc ttcggaaagt catttcaata ctctatttga aatggcacgg cataggacta 36240
tccgtagtca gtattctgta tggcgtaagg ctatacttaa acatagacac acttaatcat 36300
gaggctttat acgaccgcat ctccagtctt tttgatctac aacttatatc agctttcttt 36360
gtaacagctg gatttatcaa acttcttggt atcatcctta acagaaacag acttcgtata 36420
gcaggagtaa cctctttagc agttctttgg tctgttatgg gagtaaccta tctgcctacc 36480
cctaatacga ttgctattct ggctattgga tgtgcttgga cagcctatgg agttctcatt 36540
cgggaggact ttaaatgaac ttccagcact gggatgtact aatcactggt gtattagcct 36600
ttgtaactgc ttgggtaggc aaaaacttag acttcaaagg gctagtcaga aagactgaga 36660
tagagaatcg tgacgagatt tacactagct ggaaagagat gtacgagact aaggcagccg 36720
atcacaacga gctaaaagct gagtacaact ctgttcgaca aactgttttc gacttagagg 36780
aaaagtttag ccagttaaaa tttgagatgg ctgacttgaa gcgttccatg caagagaagg 36840
aagacggcta cttgctacag atttctcagc ttgaggaacg tgttgacgaa cttgaggaag 36900
aaaacgcctc tctgaaagaa gagttagaaa cctttaaagg aggtggtaaa tttgaacaac 36960
actgaaatca tcatgaccgt tgcagtcggc atcggggcag ttatgacagg cttaatgaat 37020
atgattaaat ctcaagagta cattccagct cggtacattc ctttggcagc tatcgtctta 37080
ggcgttatcg ttggagtagc cggaggtatg attgtatttg atgtcgaacc agttatcgga 37140
gcagttgcag gacttattgc agggctttcg tctgtaggct tctacgagac tggcaagtct 37200
gttaacaatg ctatcaacaa ataatcaaga agccctacgg aaaacctctg tggggctttt 37260
atctacttta ggaggacact atggcaaacg ataataaaac aattccatta aaacttacag 37320
tccctccaag aatctttaac gaggcttacc ttccatactt atataataag cctaatggta 37380
agtatcgtac aatggttttc tacggaggag caggttctgg taagtctaag tttgtggttc 37440
agaatacgat tctaaaaggc ttagcaagta agcgtaagtt tctagtcaca cgtaaagttg 37500
ataatacgat tcgggactcc atcttccaag aatacaagac atgtctacag gagtttggca 37560
tctacgacat atgtgatgta aaggcttcat acatgactat taaactacct aatggaacag 37620
agtacatatt taaagggatg gaagacccag agcgtatcaa atctatttcc ggtatctctg 37680
acatagttat ggaggaagct actgagttca ctttggacga ctactcacag cttcaactac 37740

```
ggctgcgtaa caaggctgcc ggaaacaacc aagtatttat tatgtataac cctgcttcaa  37800
aagataactg ggtctaccac atgtttcata acccagctaa gaaacgtcca gagaattgca  37860
aagttattag tacaacttac aaagacaatc gattccttcc tagatcatac atcaagcagt  37920
tagaggacat gaagaatact aacccagtat actacgaaat ctacgctctt ggaaagtttg  37980
ccagccttgg taaacgcatt tatacaaact ggacaagaca gcggctagac ttgcgtaagc  38040
ttttgagaga ccgctggaaa cctaaatggg gactcgactt cgggtttacc aatgacccta  38100
ccgtactact ttccattatg atcgatgaat cttctagatg tctttacatc tatgatgaaa  38160
tgtatcaaac aggcctcttg aacaaggaca tcttcgaaga gattaagaag cgtaagatag  38220
tccacaatga aatctttgca gatagcgctg agccaaagtc tattgaagag cttcggaggc  38280
ttggggcacg acgtattaaa ccttcacgaa aagggaagga cagcatcttg catggtatcc  38340
aatatctgca aggctacaca atcgttgttg atccacgctg tgtaaggact atctcagagc  38400
tggagaatta tgagtggcaa cctaacaaac atcttaagga cgagtacctt aacaaacctc  38460
gtgccaatgg ctttgaccac tgtatggatg ctcttcggta tgctgtatca gacatgattc  38520
caagaaacaa agtaaggtct atcagtaagg ctgctttcgg actgtaggac agttatacaa  38580
aagtctgggg ctgtaccttt gaagacaatt aaggaggact atcacatggc tattccaaat  38640
aaccaactgt ctgctggaga catttataca gtcgctgata accgtaagca ctatataacc  38700
agagacttta caacagacga cttaatcaat gctgctgaac tccactatgg gagagtaggt  38760
agctaccagc ttttgtatga ctattacaaa ggcatgcacc acgctattct aaacagaacg  38820
tttgacgata agacaaagcc taataataaa gtcgttcaca acttccctaa actgttagta  38880
gatacagcag cctcttactt agctggggaa ccaattactt taaaaggcga cgagacaact  38940
attgatgcaa tgcttccaat tcttaataag aatgatttcc atgacgttga caatgagttg  39000
gttaagcttt ccggaatctt tggccatgcg tttgaaatcc attacctaga ccgcaacgga  39060
gactatcgta tcaaagcaat ttctccaatg aacatggtac tatgctattc gatggacttg  39120
gataatgagc ctttggcagc aatctattat aacacggtgt accaaagtgc tactagagct  39180
gtgtatcgaa cctatgaagt ctatactaaa gataagatta ttaaattcga aacagagact  39240
ttggaagatg gaactaaaaa caagcctatc ccagaaactt ttcccaatct actaggaaag  39300
tttaatgtat ttgaggtcat tgctaatgaa gaacgtctgg gagactttga agctcagatt  39360
ccattaattg atgcttacaa cttagctgtg tcagactctg taaatgacat taactatttg  39420
aacgatgcct acctatggtt agctggattt gacattggag aagacgaaaa cggtaactct  39480
gagttggata agatgaaaaa caaccgtgtc atggttaccg aagaaggcgg aaaggctgag  39540
tggctagtca agaacattaa tgatactcat attgagaaca tcaaagacag agctgagcgt  39600
aacatcttta gtctttctca aactccagac ttgacttcta aagacttcaa tgcagctact  39660
ggaacagcta tgaaagctgc tacacaacca ttggagaata agtcagcagt tcgtgagtct  39720
aagcttcgca aagtattccg ccaacgttat gaaatcatct gccactactt gactaatttg  39780
aaaggtgcta aagatcttaa accagagaaa gtggaaccag tctttgtacg taaccttcca  39840
caatcattct cagagttggc agatatggct gttaagcttc gtgacattct accagacgaa  39900
acgattatcg cacagttccc attcattact gacccagagt ctgaggttaa gaaagctaac  39960
gaacagcgta aggaacgtat gaagattcaa gcagagatgt caatgcttaa acagactaac  40020
ttaggacaag tcgctacatc agatcaaaac gtcaagaagc tagacaatcg aactgatgcc  40080
aatacgatta ccacagacga tgcagtagct gctaaagagc aggagaaatc tcgtaacaag  40140
aaaccaagag actaggagga attatagatg gctagaaaga tggggaagaa gaaacgccaa  40200
gaacttctgg aagcctttct gacagatgtc atgatagata ctcagaaaga ctttgcagat  40260
attatcggga ggtactctcc ccaacttgag gctgttgttg ataagattat catagaagct  40320
atgaaagagt ctccagacta tatgcttatc caagactcca agagcttact agaatactac  40380
acctcagtct atggtacagc cttcaaagaa gagcttacaa aagctttcac ggaggttgct  40440
gaaaaggtcg tgggacaccc ctcattagga gaggggatag cctctgtaga tataacgaac  40500
gcaattcaag agcttatcga agaagcttac gactacttct ttagcatctt acttccgata  40560
ctctatgaat tggagggcgt agctacagga acagtcgttt taggagagag tcaaggcaag  40620
ctcgctcact tagaacagct tagagacaac cttctctact tcctcagacg acatgtagag  40680
gctcaagcct cagtaattat aaatcttgct gttgtggaag cttccaaaca gtacgagata  40740
acattatgga aatggagcaa tagaccagag ttaaccgtta gtggagtttg tgagcattgc  40800
aaaagcttag ctcacggagg tatcagaaac gagggtctct ataccctaga aacattacct  40860
cttctccctg tgcatcctca ttgtgtctgc atcattgtcc ctgtaatctc gtaggttaaa  40920
tgttaaagga cacctaagcc aaggacttta caaaatacta tatctaaagc acggtagggc  40980
gttgtaccta cgagggcgga aggagaaata caatcatggc agacgaaatt atgaaagaac  41040
aaggcaatgg gacagcagaa ggcacagaag ggttatctgt tgaaactgtt ttaggagcta  41100
tcgaatccaa tccagaactg cgtaaaagcg tagaaagtca attcttaaac aaagatacag  41160
taggaagttt cttagaaacg gaagcaggca aatctatcat tagtcctcgg ttagaccagt  41220
ttgcatccaa agctattgag tcttggaaga gtaagcactt ggaagggatc gttcaagaac  41280
ggttacaaga attaaaccct ccagaaacac aagagcagat tcaacttcgg cagatgcagt  41340
cacagctcaa agaaatccaa gcagagaaag accgcttagc aatgcaaagt gtggcttcag  41400
ccgcattagc agctacagga cttccggcaa gctttgcaga ctacgtgatt ggagattctc  41460
cagaagctac gaaacacaac gtcaactctt tagacgtaga aatcaataac ctcttgtcac  41520
aacgtgtgga ggaaaaagta aaaggccttg cagctcagac agcacctagc aaccaagata  41580
ttgtaggggt tggagggcag cgagaagcta aatcattatt cgacttatct cctcaagaag  41640
```

```
ctatgcagct taaagcaagc aacccagcta agtacgaagc tttgcgacgt aactcttaat  41700
tagataagtc catacgaaaa ggagaataca catggtagca gaagtaacta aaattgcaga  41760
tttaatcaac cccgaggtca ttggagactt cctagagaag aaaatgatcg acaaccttat  41820
cttagcacct ttggcagata ttgacaatac tttagtcaat cagccaggcg atactttgac  41880
agtacctcaa tggaacttca tcggagaagc tgacgacgta gcggaaggtg tagcgttcga  41940
cccagttaaa ttgactgcaa catcttctac agcaactgtt aaaaaagttg ttaaaggtgt  42000
tacattgacg gacgaggctg ttctatcagc ttatacacaa cctgtcaatg aaactgtacg  42060
tcagttagct ttagcaatcg caagcaaaat cgacaacgac tttgtggata agattaaagc  42120
tttgactcca tcgactgatg ttaagattga cccagctggt tacggatggg tattggatgc  42180
tcaagtagct tttggagaag agttcgacga tgaaacattc ttgttcatct ctcctaagag  42240
tcgtgctaac atcttgaaat ctggagactt cgttcacatt gaccaaggac gtaagatcat  42300
cacaggagaa ttgggagagt tgttcggtat gcgtatcgta atctctaaca agcttgctaa  42360
cgacgaagca ttcgttatca aacgtggtgc attgaaactt attatgaaac gtggctacaa  42420
cgtagaaaca atccgtgaag gtttcaaacg tcaaacgact atctccgctg accaacacta  42480
cgtaacatac gttcaagata ctacgaaagt agtttacatc aaaggaactg ttacacccta  42540
atgcgcccca aaatcttagc tcaagcgacg tcactgcccc tagtgtgacg ttgtcttggg  42600
aatagggaag ggggaaacta accgtggcaa ttacttacaa catttacaaa ggttcagaga  42660
agattgcttc tgacgttgcg gaaaagactt acacagtaga cggcttagac ccagctaccg  42720
aatatacttt tggagtatct agagtagata acggtacaga gtctgcgaag gctactttta  42780
aagtcactac agcagatcag aaagtaactg gtatcacacc ttctcagcaa actatgtcaa  42840
ttaaagtagg agatgctgac cgagcagttt cattcgctgt tgcaccagct aatgctacga  42900
ataaagagtt gactattgaa tcaactaacc cagcagctgc aacatatgtt gggggaaaag  42960
ttcatccagt agctgagggt acaactgaca ttaccgcaac tgctaaagac ggttctggag  43020
taactgctaa aattgctgta acagtatctc cagcagcgga gtaagactaa caaggggtta  43080
gggaaagaat ccctagcctc ttttttatag gaggtcatta tggaagagca aaaagcttta  43140
ttagatgctt tcaacgccta tcaacaagcc gaccttcctc cagatgtaga agctattgat  43200
atatccgaaa tcaagcttat gctaggctac ttcaactcgt ctattcgaga caacttgctg  43260
aaagtcctta agaaacgtgc cagacagcat atctgccaag ttatcaacgt cgaggtaacc  43320
aaattcccaa tggagcttga ttacatagcc gatgaactaa ctgccgcaag gttgtccagt  43380
ctgaactctg aaggacttaa aacagagtct actgacatca ctcgttacga ctacaaagac  43440
gacatctatt taaactggat gtcaactctc cacgcatggg ctgataacaa cggcacatac  43500
aagggtagaa agtttaggat gatgtgatat gaagattaat gaaatcattg accttatcca  43560
gtataacgac tttactgata ccgacgacga cttcggaacg attatcccaa cgcctaccat  43620
agttgctaga gggattcctg ccgctgtcgg aagcatggcc acagaccaga agctacttat  43680
gaaccaagat gtccaatggc ttccaaggta tcgggtacag cataagatat acgagttgaa  43740
agacttagta attgatgcgg taagattcca ctccactggc aaggtgtata acatctatga  43800
aaataatacc actggagtta accaaacagt ctcttaccta gttgagtacc gagactatag  43860
acgtactaag gaggatggta ctatatggga agggtacgaa tagacatcat caagaagatt  43920
aacttcgaca aacttatcga cgactggttg gatgagactg agagagctat ggacacaaat  43980
acccaccaga tgagacaagc tgttaagtat aacatccacg ctcatgacaa cattgatacg  44040
tctactttga ttagcaattt agaggctgag acaaaagtct ccagaggagg gcgtatctca  44100
tatggaatag ttaaatcaaa cgtctctgga aaccctaaag gacacagagg ctatgctcca  44160
atcgtcgaac gtaactaccc aaactttata ccagctttgg aagagtatac ggacaggatg  44220
ttggataagc ttatgaaaat taacatctag gaggattctt atgagtagac cattattccg  44280
tgcaagaagt tcctccgtaa gtcttcaacg agctatcgta aaagctctca gagcagaagg  44340
tataaacgtc tgggatggaa ctaaaacaat gcccgaacta ccttacgtaa agattggcga  44400
agagttgaca tctggtaaag tcacctcaaa agatacttac ggaaagatgc acaacttaac  44460
gctccactta tggagtgact acccaagctc tatagagact aaagctctgg gagacttttt  44520
ggtagatagg cttgttaact ctccattaga actggaagat ggcttttgcg tagtcaatgc  44580
aaatcttgac cacgtgcgct ataccgaagc ttctaatgga acatttaaaa acaatcgagg  44640
atacttgttc ttagactttg aagtcgcaga ctctttagta aatccacgat aagaaaagga  44700
gaatacacat ggcagaagta tgtaaatcac gcttcgtacg aggcacagcc gttctgattg  44760
aagttcaaga tgaagctggc gaatggacta aagtagcagc ccaacgaggc ggtacattaa  44820
accgctccgc agatactttg gacaccacta acaaagaagg tttcggatgg gctgacaacg  44880
agcaaggcca gaagtcttgg tcaatcgatt gtgacggatt gttcgtagag gacaatgcag  44940
gtttccaagc gttgaacgca gcttgggtaa atggagactg tgtacgtgta cgagttcatt  45000
tcccatctgg cttgacatat gttggacaag ctattctgac agacttcccg atcgacttac  45060
cttatgacga tgctgtaact tacagcttga cattcaatgg taaaggtgct ttggaagagc  45120
agcaagtagc tccaacagtc tttccaacag gcttgacagt aaatggggta ccacccgaag  45180
gtattacagt tggaggaaca gctacactga ctccggtatt cactccggaa aatacttccg  45240
ataagtcggt tacgtacact tcattagtac catctatcgc aactgtagat cagagtggta  45300
aagtaactgg tgtaaaagct ggtacagcat ctatcaacgt tcgttcgaca gtcaacacag  45360
caatctctac aacagtagat gttgtggtaa aggaagcata gcagtaacgc caccaagcaa  45420
cctaatgtca agcgacgtta ctgcgacatc tgttaaatta gcttggcaat aacaatcaag  45480
gggttgggga ataaatccct agccccttt attatggagg actagacatg ctaataaaat  45540
```

```
ttcaaggaaa gaatatagac ttgcgaatga cttataaatc aatccacttt cttgagttag  45600
ccttcgggaa agcttacata gacttcgtag cagagcaaac gccctttaac cagtctctct  45660
acttattctg ggcgatgcta caaaacattc ccgaatatga gggcaaagat gtactggaag  45720
tatctgatct tctacaaaag tctctagatg agtatgaatt tactttaaca gaatacttcg  45780
aaaaagtcaa tcagagttat caatctagta ttataattaa acaactcttt gagaaagagc  45840
ctaacccaga tgaagaaaag tctcccagaa acgtcggagg acgtcgattc tccgctttta  45900
gacgtaagat acttcatgat attatgttca gacttagaaa tttcagtcaa cgatttctgg  45960
acaagcactc ctaatgagtt taatggattg atgagaggag cttaccaacg tcatgcaaga  46020
gaggctggac tgttctttac cttgtttaaa cagcctgcta aaggtaagcc aataagctac  46080
gacgaatatg ttggttttaa actttacaga gacctagact atattccaga atccgagata  46140
actacggaag acttactgag agatatggac gaggaagacc gtagagcttt tgccaaacaa  46200
gaattagaca atgtatttaa tatgtttgat taggaggaac tataatggca gataaggaaa  46260
tgcgaataaa ggtttccgta gataataacc aatacgtcaa agccatgcag tctatgggaa  46320
aggttcaaga tggggttact agcaagcttt ctcagtctgc taaagtctta tctggaacta  46380
ctggtactgt tgagaagtct cagaaaggta ttctagggat gggtaaagct tgggtatcgg  46440
ctaacacagg cttaggtacc tttactgctg gactaactcc aatgactgct gctatctcgc  46500
ttgggtcaca ggctgttaag atagctggta agtatgctat tgatgcagtt aaaagctatg  46560
ctacctttga aggaactttg aaacaggttc agatagttgc tggaggtact caagcagata  46620
tggacatgct tggggacaag gctatcgaaa ttgggggtaa gacttccaaa ggtgctcaag  46680
aagttgtaga ggccatggta gactttgcca agttaggttt tacagctact gagacagccg  46740
atgcaatgga gggtatcgta tacgcagcag aagcttctgg gtcagctgtt gatacaactg  46800
ctcaaatcgt tgccgcagct ttgaatacat ggaacctagc agctggcgac tcggaacaca  46860
ttgccgatgt tttggcagag actgctaaca agaccgcagc tgatatgaca gacttaggat  46920
ataccttcca atatgccgga gcttctgctc agttgggggg agcttcaatg gaacagcttg  46980
ctgcctatac tggtatcatg gctgaccaag gtatccgagg ttccaaagct ggtacagctc  47040
tccggacagc ctttacaaac ttaacttccc caactgataa ggcagcggct gctttagatg  47100
aattaggaat caagttagaa gatgccgaag gtaaggcacg tcctatccca gacgttatcg  47160
cagacttaca gaacgcagct cagaacatgt ccaaagctga aatcctagat ctatcaacaa  47220
tcttatttgg taagactggt gcagctggta tgtcaatggt cttgcaaaag actaatcaag  47280
agacagacga cctagttcaa tcactggtta actccacagg tacagcagct aaacaagctg  47340
gggagatgcg taagactatg gaaggacagc tcgaccagtt agaagatagt tgggatgccc  47400
ttaagctaaa gattggtaaa ggcattactg gtactattgg acttaaaggt gtagaacttg  47460
ctaacaaggg tttagactta gttaatgatg ccattgatgg agttactaaa caatttgaca  47520
gaatcaaaga ctatgagaaa tggtttggaa cagttaaaat gccgtgggat gagtgggcag  47580
aagctttgcg cccaacttcg acagaggcta gtagatttac agaagctttg gtaaatatga  47640
aagacaacct catggaagtc caaactcaag accctatttc agccatgttt ggaagcaagg  47700
cgcaggagca gattgaatta gttaaccaag tgtttaaaga cctagacgct caagcagctt  47760
ctttcagctt tatctccgca gataagctag atgagcttac ggtagctact ggtacagttg  47820
tatcaaccct acaatctact agtgcacagg ttgctgtaga gactgctaaa tggcaggctg  47880
accctaacta caatccatcg aaggctatag cagcagccgt tcaaactgga ttacctgact  47940
tacagacagc tttgcaaact cagcttacaa cgattcaaga aagcaatacc aacaagatga  48000
acgccttaac cactttcatc aacaatagtg atatccttga caaggatgct aaagccaagg  48060
cactggctgc ccaagccaca cacaatgcta accaagaaca atccatagct gctaacaata  48120
ctaagattct ggagctgtat tctaaccttg ggagcatgtc tgtctcagaa cgtgaatcag  48180
ccttggcaca gattgacagc ttgacccgcc aaaatgctca acaagtagtt gacctaactc  48240
aagctcagaa agattctgtc atcttagcct tacaagctca ggcagactca tcaggaagaa  48300
tcacacaaga gcagaaggat aaggctattc aagatgccaa tgctcagaga gactctactg  48360
tacaagcagc tcaacaacag tatgtccaat ctgttgctgc catcaagagc atgtccgatg  48420
aagctgtagc agctactggg aaaactcgtg ataagttgat tgaagatgct cgtacacaga  48480
tgattgagac ggttgataaa gctcagacga tgcgtgatga tacggttgag gctatcgaag  48540
gtatcgagac taaagctaac tcggtagatg gtaaagagat tactgtaaag gctaaaaagt  48600
ctgggttcga cactgttatg acagctatcc aaaatctaat tagtataatt cctgctggag  48660
gggttatcaa cctagctgta aacgccacta ggactattgt tgaaaaggtt tctaagtggg  48720
gtaaagctcg gggaggtcta gtctctggag caggcactcg caaagcttct ggagggcttg  48780
tcagtggagc tggaggctat ggaataggtt ctggttcagc tacctataac cctaacatga  48840
cagcctttgg aacaggcaac caattgggac aaagaggcat ttcacagggg gttacacaca  48900
atgaaagagg tcgagaagcc atcatcccaa tccagaatgg gacttacatg agaccattcg  48960
caagagctat tgcagacgag ctgaaagctt ctggagcagc aggtggggga gatattccag  49020
agatcatcgt acctgtttac ctagacacta cggaaatcgt cagagcaacc tctaaaaaga  49080
tgactgagca acagcagttc gatgccaagc ttacgaatcg accgaaagga aagatgaaac  49140
gatgaactca acatacgttc ctgtatatac tcctcatacg acttatccct tagccccttc  49200
gttgggctgg gggattggcg atgctctagg atggattccc tataacgtag actccatgac  49260
agagattacc ccagcttctg gaacaactta tgtacagtct cagcagattc ccgagaatgg  49320
tattcagatc actcttggat tcgatgtgat gggagctatt gcaagagagt ttccggagtt  49380
cttccaagac tgttacattg aggcagacaa gattgccaaa gtccgtgaaa ggactcgtga  49440
```

```
gtatctcttc tcagtaactg ccaatcataa tgtggaagta tacttagaaa gtgaagatac  49500
acagcttgct agaaagtcta ctggaagtca aggaactttc acttggacaa tatcttctga  49560
gaaacctttg gacgactata cgtttgacaa tggatgggtt tatctgtcag tagtcgtgcc  49620
agcagctact tcactagctg acctaaacct gtcggcaaca gtcacaccta agtttctatt  49680
tgacccagtc tatgacacga agcctcgaac attccgttat aatggattga aacaacctta  49740
ctacctattt gtaagagaca tcaaccgctc tgtgctacca gctgttaaca accttctgac  49800
agcctatgac agaggcaaac gcaacttcaa ctatggaaag acttatggag accgtgttat  49860
ctctatgaac tgctttatca aagccaataa ggaagaggat attccatatc taattgaaga  49920
cttggctaac ttcttggaca ttggagaaac aactattcga tttgccgact cgaaagaccg  49980
ttcttggaaa gtcgtatttg aaggagcctc tgagatcaat caaagcctta atgtaggaga  50040
cttcacattg aacttccggt gtatcgaagt aacctcctat ggagacgaag taactgggca  50100
agtaactatg gatactgacg aaggaacctt cttccaaatc ttcaatgagg ggacagcaga  50160
gactcatcca gttatgaaaa taacctttga agaagattct ccaatggtta acattgtagg  50220
tatgggagag tcagagaacg taactcttgg ttatgactcg tcggaaggaa ctggaactgg  50280
tacaaacttc gacccaatgc cttggcaatt ctcagagtac tatgacaaca tgaatgcatt  50340
gaaacagatg gataacaata caactcctag cttcttatta taccaagatt ttatcagaaa  50400
tacaaccctt gaatctactt atggaacatt gatgcttaag aataacaagt tccctaaagt  50460
agaccgtaaa acagttgggt acaaatggta tggtggaggt attacgaggg ttaaccctaa  50520
agccttgaat gactttgcct tagaggttgc tttctcaact aagggaaatc cccaatactg  50580
gactgaccac catatgtata taatcttata tgacgaccag atgatacctt ttgcaaacgt  50640
agcttttggt tatgtagcta agcagaaacg catacgattc catattgcaa ctatgggctc  50700
atctactcaa gatgaagttc gtatcagccc cggatgggga ggtaaagagt ggtacaactt  50760
tgcaggtaag attatcattg agcgtaagga caaccgctgg aggcttcaag caggccagtt  50820
caagtctcag aaacgttctc caatgattgg ctctgactta caatacggct catcaatgat  50880
gaagaacgta cgctcaacag gcttccgttc gcttcctcaa gagacttgga ataggaagtt  50940
tgcagcttat ggaatcttgt atgcaaacat tgacaacaga cctcagatta accgatgggc  51000
agtccatcac actaagtgct gggaaatctt gcaaaagcct gccaacagcc ctcagataac  51060
tcgctcattc aagaaagacg acgagcttat cgtggacttt accaaaggcc aagtatggct  51120
taatggaaca atcgccccat cttatgtaca gccttccaca gactggttct cgttgaagcc  51180
aggcaagaat actttgggaa tatctggagt aaagggtaag gtagagtatg agtacaccaa  51240
tcgctacaaa taaactttag gaggaaactc aatgattaca gtcttaagtc cacagggagt  51300
atatcgtgga aactacgtaa ataatattcc aaacgctact ccttattttg atgacaaatt  51360
taccgacaac ttagaaacaa tgcagactac tcttgagttt gcagtacccc tccaaagcga  51420
agatagtgaa tggctggaag gattcggcac agtcttgtac ccagataaag acaacgttct  51480
tagagagctt actatcatca acgtgtggga ggactggtca caagagcagc ctctcaaacg  51540
agtggtgtgt gaagactcct ctgtggatgc tttgttaaag tctcacgtgg tacctttcac  51600
agcaggtaac ttacgagatg ctattgcagg ggctttacga acaactcctt gggagtatat  51660
tatcggatct gatacaatca acatcggcta cgagttagtt gacgtaaaag agtacacgga  51720
tgtccgaagc actttggaaa aaatacgaga gctgtacgac atagagtatc gctttagtgt  51780
taagtttgat ggacaacgta tcacaagagt gctccatgtc tataaacgct ttggaagtaa  51840
cactggtaaa tactttgtat atgaccgtga tctaatcaac attgagcgta cagtagactt  51900
cgacaatatc catacagcca tccttcctta ctggatggaa caagacgttg ttagaacgct  51960
tgcaggatac tctcctatta acaaaattaa tggattccgg aaagacaatc caatggatat  52020
tatcattcat gaatcagctc acaacgacta tgaccaagga gactatgcaa aagtccttat  52080
catgaagtcg tcttcaacag accccgaact aacttatctt gaagcttgta ataagctgtt  52140
ggactacatt gctccaacgt atacgtacac agttaacgta ctactccttg agaatgcttt  52200
gggctttgaa gggactgaac aaatccatct aggagatact gtatggctta aggaaaaagt  52260
tggggatatg gagttaggtt tggaagctcg ggtagtcgag ttggtaactt ctcataacaa  52320
tccagaagac gaccaagtaa ccttcactaa cttcaaagag atttccacag ctgactcgga  52380
agatgtctta gctcttcggg atatgattaa tcagattcaa aatcagcaag accaaatcag  52440
tcaagtggtt gtccaagtaa ctgaggacat cacagtattg caacaaggcc aagaaggaat  52500
cattggacag cttggagacg tgccttctgt aagcgttggg gatacgccta ctccaaatcc  52560
taaagaagga gatatctggt tccttgatgc agttgaccca gatactggta agacgtattc  52620
aacaattaga atatggaatg aaactaccgg agaatggcaa gaccgatact ctgcaaagga  52680
tgccgaagaa gcgcaagctg ctgctaacga agctgctcaa gcaggtaaag atgctcaagc  52740
tgctgccgat gctgctaaag aagctgccca agatgccgca gcagctggtc aagcagctct  52800
tgacaaagct aatcaagcag ttactgatgc agccaatgca aaagctcaag cagatgctat  52860
tcaagtagat gttgaaggac tccagacgga tgttggcaag gctcagacag atgcctctaa  52920
agctctaaca gactcttcta cagcgatcac aaaggttggt caagttgaca gcaaagtaac  52980
gactgtcacg aatgatgtta acggtatgaa aactaccatc tcagacattg agacagttca  53040
aggagagact actcagaagc ttacggaagt tgaaacgaat gttgatggac ttaccgtaac  53100
tgtagggcag gttaaaacaa cttccgactc agctctttca aaagctacta ctgttgaaac  53160
tactgtaaat ggtttgaaag taactgttgg agaagtcaag acaactgctg acggagctct  53220
ggcaaaggct actcaagtag aagctacggc agatggtctg aaagctacta ttacagctgt  53280
tcaagaaggc atcttaaata gtgactactc taatattatt cctaattcta aaggggattc  53340
```

```
aaccaaaggt tatgtagtat ggggtggagg taatttttct acagacggta cacagatagc  53400
tgtaacaaaa ggaactgcta caactagtta cggaatccaa acagattatc tgatagctga  53460
tgttgagaaa gatgcaacgt acactttaca actggaagtt gggagctttt acaatacttc  53520
tgtattagac tactgtttct taatgtatta tgacggacaa ggaaatcaaa agctcccaga  53580
tattcctgtc tttgctggat cagctagttt ctacacacgt tctattacat ttaagcctgt  53640
aagaagcggt aaagtaaaag ttcttttagt agttaacttg tctaataacc ctacctccac  53700
tggattccgt ataaagaatc taatgatgtt taaaggtgag tcatctttgc gagcatggca  53760
accagcttac tcagacttgg caacagttgc taaagtaact caagtagaag ctacggtgga  53820
gggtcttaag acaactgtat cagaagttca aactactgcc aacaatgctt ttactaaagc  53880
tacacaagtt gaacagactg ccaacggtct taagacaact gttgcagaga ttcaaacagg  53940
cattgcagac ttgacgaata agttccctga cccagacttc aagaaacaga atccaaagcc  54000
taccgtagag agtacagcca ccttctcata tgcagcagat ggattgcttg taacaaataa  54060
tggaacaggt tctgctagaa tctactgggg aagccctcct ctagctttgg aggtcggaaa  54120
gtcctataac gttaaactgt ttgttaatgt aggctctgct tctataaata aaccttacga  54180
gataggattc tccgagggag aaaatcttaa attctctctt ccagattcta ataatagatg  54240
ggtgcaagga actattagat caactcagtg gacaggattc agtctatttg tgccaccttc  54300
atcaactatt aaagttcatg aaatgtacat ttacgaggct aatacaaacg ttacttcttc  54360
ccagattacc caattagctg accaaatcaa tttgaaagtt gataagaatg gagtcattgc  54420
acagatcaat gtttcttcgg aaggagttct gatagacggt aaatacgttt ggatcactgg  54480
attgactaag attgacaacg ctattatcaa gactgcccac atagctgacc tagctgtgtc  54540
aaacgctaag atagctaacc tagcagtcaa cggtgccaag attgctgatg catctattac  54600
aacagctaag ataggagacc tccaagtatc cactgccaag attgctaacc tagctgtcac  54660
agatgctaag ataggctctc tatcagccag caagattaca actggtacac tggatgctgg  54720
aaagattagt gtaatcaact tgagtgcctc tagcataact tctggaacac tctctggatt  54780
gacaattcaa tctccttatg atcgacctat aacagatggt tccacaactt ggcaacgagg  54840
aactcttact ctaagtaacg gtttatatac caatgagtgg gaaacctacc ttaagtctac  54900
aggagttaaa aacatttcag gtaagctaat tattgaccac caagcccttt cttcttatca  54960
attggatagt tctggacaat tagaatataa catgcagttg tctccttacg cactaacact  55020
tcaaaccaaa gatggcaaag gcggttcgtt ttcctacaac gacctttaca gtatgccaag  55080
gactggtcta cagcctgcct ctggatttga acagtatagc acgtcttcta gttctggtca  55140
atggcctact gctactcgtc tgggaaggct agtacagctt gctggagcat tcaagaatat  55200
caacccaata gctggtagtg cagatgtcat acagattggt attctaccta tctgggcaag  55260
acctaaccaa actaccaacg ttatagcaca gggctctggc atgaataggt acttacttgg  55320
gctagagcct ggaggtgcta tcaacatgag ccggtatggt tctggttcaa gatatgaaca  55380
agttggtaaa gggtcttggt taaatatagc tacgacatac gcaggtgcag atgtttagga  55440
ggaataataa tgacgaaaaa tcaagaactg tttatcaaac tttgggaaga gtctgggcaa  55500
gagtttacgg acgagttgct caagcttttc gatgtaatct taatggagga tttccatgac  55560
aacccagagc ttatgagtaa gtttatggaa agtattcaaa aagttcccga accaccttta  55620
gagcagcagg ttgctatgct tcaagaaact gttctacagc tctcagaatt aattgcagga  55680
ggaatgtaaa atggataaat actctccact agcacgtctc tacgccctag ctattgtaaa  55740
aggcttgggc ggacggacta tcaacagtgt tccatctagc ttacgtgaag acgttcaagc  55800
aatcttggac aatcatatgg acgaactaaa agcaatgtta taggaggaag ccttatgcaa  55860
agaataaatt tagatacttc tagaaaggct accaaccaag acgtaaaggt ttatatacga  55920
actggggaaa aggagtttac aactatcgga gtcagtctta caacgtatgg tattccgaac  55980
gacttgactg gcttcacggt aaactttgaa ggagctaacg ctgagggaag attcagtggt  56040
ggaggtgcaa gggttgtaaa cgccactaac ggtcagattg aatacacctt cacgcctacc  56100
gatgcagctg tcgaaggctg gttcgaaaca gcttacttcg tcattaagaa gggagatgaa  56160
atcgagggca ccacagaggc tttccgagtc catgtaagcc gtcgggtaga cattgatgat  56220
gcacaggcag cagctggggt aaatactctg caagagacta ttaacgcctt ggaagctact  56280
ttcaatgagt ggaaagctgc tcgggaagct gattatacag gactacagac acaggctgat  56340
gcactagcca ctcaaataac ttctgcaaag gctgacttgg atgctaaggt agcagcagct  56400
caaacagccg tcggaacagc taaggcagag gctttagcag cagttgacga tgctgttgca  56460
aaactgaatg cagccattga agattttaat gcagctgact tctatactaa ggcagaagcc  56520
gatgcactgc tgttgcaaaa ggttgatcga tcgtcttacg atggactgta cacaacttct  56580
aaagtagcta tcactccaat gagtggattt gtggaataca ataccaacag cgcttcggca  56640
aactttccac aggctatcag aaggtttggg gtggtaacta ctaaaggagc tttcaaaaac  56700
aattcagagg tagtattgtc gggtaatgat gccatattta ccatgggtca actcccagta  56760
gggtatcgcc cggcagagga tttgaacttt atcgcccaag gttcatggat gaacaagtat  56820
cttgttactg ttactaaagg tggtctgata actggcgcaa ggtatggtac taactctaca  56880
gtaaacattc cagcaggctc ttggctaaat attggaatga ccttcgtagc attagaacag  56940
gacacctaag tcattttgtg ggtctatccc acagaggagg aattaacata tgaaatacat  57000
taataagagc gtttgtcgag gcgtagcagg acgacgtgcc agaggatgga agcctttagg  57060
tatcgttatc cata                                                    57074
```

<210> 2

<211> 42957
<212> DNA
<213> NCIMB 43666 Genome

<400> 2
tgatacaatg aaatacaacc aatttaaggg gtttcctctc aaagcgcgta ctaaaattcc 60
cgcgataaaa gagtggcaag ctcaagagag ttacaaaaca ttaggtaaaa taagaaacat 120
gaataaaggg gtcttatgtg gggaacaaaa caaattatta gtagtagact gtgacgtaaa 180
aggtaaagca aacggaatac actcttttac taccttaatg aaagacttag gacatgaaac 240
catacctaac accctaatgg tctatacacc gtcaggaggc atacactatt attttacgtt 300
accagatgac gcactagacc tacgcaaaca acctagagag gacttaggta tagattttca 360
gatgaatggg tcctttgtgg tagcagtagg gtcagagtta gaaaacggga catatagcgt 420
ggtttccaat aaaccaatcg cacaagcacc cagagaatta attaactggc taattgagaa 480
cgcaaagcaa cataattacc caacgaacgc aacgccaaac caattaaaca gaagtctaga 540
cgcatggttt aagatgttag cgtatgagag tggtaaaatg ggtaacgaac catggcgcct 600
taacggatgg gtatataaat ggaaaaagtt gacaaactta gatatttcaa ctataataga 660
aagtgttaaa atcgttttta aatacctata tgggtttgag cctcctgtag aactacagac 720
gaacaaagca aggggtaaag aacactcaaa cgcactttca cggttcttag aatcacttgt 780
atatacacgt atagacgagg gaggacgtaa caatgcactc gctcagacag caggaatgtt 840
agcactggga acgaacaact tagacctgta taaatgggcg tgtaaattgt acatgacaac 900
ctgtttcagt gaacctcttg acgagagtga gtttgaatta acagtaatga gtatttggaa 960
acgtgaaaaa ggtagatgat tatatgacac ctgttattaa tgaaagcaat gagacccgta 1020
ccattaccat ctgcatggtc aacggacgct cttacacata taagggttcc ccagagtttg 1080
ttattgaacg tatgcaaaca ggagaggttt ttcagattat gctactaagc tctgtgcccg 1140
tgaatgtagt aatacaaccg tactacattg ttagtgttga atattaagga ggaaaacaat 1200
ggttaaagtt aatgaactaa aagtcggaga tgttttaatt tacacaggtg agtttaatag 1260
tgtaaattgg aggtttggca aagagtaccc cgtgttcaac ggagacggtc aactatatgt 1320
tttgacagat atgcataata tgtattttat ttttgaccat gaggaatata ttgagtcaaa 1380
atttgaactg aaagaaaagg aggctgtaaa ggaaacggga attgtacaca aagccaaaat 1440
gtacgtgcgt ttgaaaattt tcccaatgga tggctctaac gcgcgcgtaa acgaaccact 1500
cctacatttc tttctcagtt tttatgatta tgcagacacc tcaacatgga gaggcaaaga 1560
agttttcata caagggtgga taacaagcga taacagacgt aaactaatag aggaaatttc 1620
taccttttt ggtctaggtg ttgaggagtg gtaacgtgtt agaaagtacc tattcacaaa 1680
aagttaaacg atttgttgag tcacacggtg ggatgttcct tgtaaacaca gcaagtgttt 1740
atgacaaagc aggacgctct gacgttgaaa taatttacaa aggacatgtg atttttgcag 1800
agttgaaaac agacgggtac caaccaacaa gcctacaaat acgttttta caacgcgtga 1860
gagaacaagg cgtcataggt ctcatactaa aggatgaact acaggagtta gaaactattt 1920
ttcacttgat agacacggga cacattagca cgtataaatt gccaaaatta ccagagatta 1980
aaacatatga cttatttgag gaggatgaat agaatggaac taacattaca tgattttgag 2040
tataacgagg atatgattga cgtatatgat ttagatgata cgttagtgtt ttatactagt 2100
gagaaaatag ggagtagtac agtcaataca cagattagat tagacaagaa ggcacaaatg 2160
gaattataca aggtattgga caaacattta tttggtgact atgatggtaa agttatggag 2220
tctctagaac cttatgagaa gacgggtgat aggaacgtta tggagcctct agaaccctat 2280
gagaagacag atgatagcaa agtaatgatt gacgctgagg agtttagaga caagattaaa 2340
catgatacaa cgatacgtga ggcagtggca taccttgacg gatatgttga gggtaagaaa 2400
aatgactaaa attctactaa tgattactaa ctcacgcggt gatttgtttc tagagaccat 2460
tatggtcaga aactcagaca atataggcga aattgttgat aactatatga aagagcgcta 2520
ccagagtggc gtaacatatg tttgggaaaa agtaatagat aattagaaaa ttctaataaa 2580
actctaattg tattttaagt acagttagag ttttttatat tatacttagt tcataaagtt 2640
aagggaggta acagcatgat aaacaaacgc aataataaag ttattgatgt tattttcaca 2700
gatgaggtgt tcggagggtt gtgaggtaaa ttagacgttg agaatgacat aattattata 2760
aaacttgaga gcttagaaaa ggcgctccct actcgctatt ggaatacgtc tataggcagt 2820
gaccaactaa aggagcttta taacatggct gtaaatggtt tcatatgtgc aaacgctaat 2880
gagtttgatt gggtacaaat accagacgac tatttaggag gtaataagca atgagtaata 2940
tgtttgaggt aggtcacaga gtagtatgtg tagacacttt atgtgtagaa gatatattgg 3000
aaaaaggtaa acgatatacc attgttggag taggcagcct tttcgtgcag gttgatggta 3060
ttgatgaatg gttctactat gaccgttttg aacgtgacta tgttaatgag ggaattgaat 3120
atagtttgaa agataaacat ggtgctacct tgagtgtcgc taggttatat aaagataaaa 3180
cagtgattaa aattactgat tttacgaatg atgtagtaag cgtacactta acagacgcac 3240
aacttagaga cttgagaaaa attttgaaag aagtttaaaa atagtgttga cagatgacta 3300
atcgtctgat aatataataa atgtaagata actaaggagg aaaacagatg gaaaacttaa 3360
cagatttaga cttgctttgt ttgtacgcag ttatgggagg agcaacgggt aagcaagtta 3420
ttgagtatgt aaaacgagaa caagaggata aggagtatag cgaaaaggct atatgtgttc 3480
tacaagaatt acagcgttct gctgaaagct acggatggta taacttgtca gatgtggcat 3540
atatgaaaat tagattagaa ctagttcaac gtggtttgtt ggatggggat gtcaaagaaa 3600

```
ttgaggggtt cattaaagcg tgggaggact cagaaaattg attgcatacc taacgccatt  3660
agttataggg ttgtcactaa tgttttctaa atggttgttt caaccaaata agggaggaaa  3720
atagacatga atttagatac tacaaaatta ggtgatttag tggttgaaaa ggcgcgtgag  3780
ttaaatgaga aaacgggtat tgagtctgct gagttacttg tcttcagtgc tttagtaact  3840
gtgactaatg ttattgatac tgtattaatt gacggtgact cacctactga attagcacta  3900
tacgcgctta acgtagtaca gcaaaatgtt gataacgagg acttattaaa tgaagttgag  3960
aatataattg ataaactaga ggaggaatta gtttgaaaac atatgagtta gtaaacaacg  4020
agacgacacc tttaccaatt ggggcagtct tgtacgaact acctgaaaac gaattgacac  4080
ctacagagaa agtattaatt gagaaagaga aacacagaga ccctatacca tgtagaacga  4140
ttgatggtat acgtcagctc attccgtacg aacatttaca agaaatttaa aaataatgct  4200
tgacaactgg ttggggtttt gataaactaa taaatgtatt aaaacattag gaggaaaaca  4260
gatgaataaa gaagaaacac acaaagcgtt tgagaacgtc ttacaggaac taaagtttga  4320
ttttgataag ttgaaatacg gtaaaaaagt agatgaggaa aaacttgctt tcaacattat  4380
tatggcaagc gctttaggtg ctaaactcgt agatgagtat gggtttgata gagacacgat  4440
ttcagaccgt attgacgatg tattaggata aagggaggaa aacaaaatga gtaaagtatt  4500
tgaggataat tttactaaac ccctaccagt ggggacgaag gtgcgcttga ttaaacctga  4560
accaactgaa ttttttatga atgagggtta cgagcgtgac agggaatacg ttggagaggt  4620
gttcagagta gctcatagcg ctgaagaaat tgacggacaa acgcaccaac ttgaactaag  4680
tattgatggt cacctatggt gggtatatga taaccaaatt gaggtattag actatgagga  4740
ggaaaaataa tatgacaaaa ttagcagagg tattagaatt acatgacgcg gagttagaca  4800
atgttttaga tgaattgcgt gcccgcatta tggacgagcc taaagaatta gacattatga  4860
tacacgctcg tctaatgttt gcttacaatg tactgcacgc acacgctgtg gggtttgaca  4920
ttctagagtc aggaattgta aagagtgcta ttacacagat gattgacgtc tgcgatgcgg  4980
tagatatggg taacctttta gggggtaatg aaccagacca aataattgga aaaattggtg  5040
acctcatgaa taacctagct actgcataca atgacacaat tgacgaactt aactcgtcaa  5100
aataataaaa agcactacac gttgggagga atcagcgtgt agtgcttttt agggagaaaa  5160
acaatgtata ataagtatac acatattata ccatattatt ttataaaaag ggatgtaaaa  5220
agttgtttac aagtgctcca ttctgtggta ttattagaat ataattagaa aaggaagtgt  5280
ttataatggg tacaattatt ctaggtgtta ttttggcaat ttcattgatg ttaaatgtgc  5340
gttatagtgt agagcgcaaa tacttagtcg ccatcatgga ggcacaaagt aagtcaatta  5400
ctgagcttac gactgtcaaa ggtggtacaa agtatgagaa acgttaatac gaaacatgaa  5460
cggtttgaac ccatggacga gccttttgat atgtacagcg tttctaacat gggttacatt  5520
attaatgtgg atgatgacat gattgttcca atgcagaaag atgactcaaa cggtcgctta  5580
tatgtacgtc taacagcgcg taactcacaa ggtaaccagt gtgtaagggt tatgtatgtt  5640
gctaagttgg tggcagatat gtttgttccc aatgtgggta atgataaatt tgtgggcttt  5700
aaagatgggg acacattgaa taattgttat gacaatttat ttcatgcctc taatatgttt  5760
gacgccagtg agacaatgaa tagaccactg cgtaaagaat tagaactaat gcgccacaca  5820
ctgctctgta aaattggtca tgctctagat aatgaacagg aactagaggc gcaacgatta  5880
ggtaaactat tatggaacct agagaacgac aattcagaag aacaaacaga gtatgattgg  5940
gtgtgattag atgattgaat ataagattat aagcagtggg tcagtaggta acgcggttaa  6000
attaacattt cagaatggta taaaaatgat gattgatata ggactttcat ttaaagtatt  6060
aaaaaaagat ttacaggact gtcacttact ttttataagt cacattcatg gagaccacct  6120
gaatgttggt tgttataacc aaatacggaa aaacttccct tggataaagg tgatagcgtg  6180
taaggaggtc aatgacctac ttgtttcaaa aggtaaggca cccgttaaca ttatagtgga  6240
acacggtacc actattgacg tgagtggcgt agagtgtacg tttttagacg ctcctcatga  6300
ggttcaaaac ttaggcatta tcggaacctc aaacggtcaa agtttttat acgctacaga  6360
cctaatgact actgtggcat tcagtgagta ccttgataaa acaggtaaga aaattgattt  6420
gttactccta gaggctaact atgacggtgc tgtaattggt tatagtgaat atatgaaaat  6480
tcacagcggt tatgatacgt ataataatgg ttcctataga catttgtcag ttcgccaaaa  6540
tacagagttc gccactaaat acttgtcaga gggtggtacg agtattcatt tacaccagag  6600
tggtagttat tactcatatg agaacctcaa ggcgcagaat gggctagacg aaagacatga  6660
taaggagttt atacaatact gcaaagaaag aggttatgat tatgtataag tacgtagtac  6720
gctacaaaga ctttgatggt tcatacgtgt attttactgc attttcctca aggtcaccga  6780
tttatgatga ggaaagagga cgcacaaggt ttagacagat tgtcactgat aaaccgcgtc  6840
taaaaatgga cataacaacc gctaaaatgg ttagggacct aactggtgga tatggtgagg  6900
ttgtagcagt aaatgaggac ggtgtaatta ttggataacg agttgatgat ttacgtaggt  6960
gatgtaccat ctattgagtt tgcgcaatat gataaactac ttgatgacat taccaagtta  7020
gcaaacgaaa tgaaacaagt tgaggtaaca gaggacaaca taaaggaata taaaaaactc  7080
ctcgcacagg ctcgcaaaga gtttagcaac atagacaacg aacgcaagcg ggttaaaaaa  7140
gaaattttac gaccctatga cgagctagag gataagataa aacatctcag aggaatacta  7200
aaagagggtg aggacgcttt ggatgttcaa ataaaggcgt atagagacgc tcagaggtgt  7260
tctaaatggg atgaggtaca agttaccttt gaacgattta gagagggcta tgaggctcct  7320
acgtggctta cgtttgatat gttcaaaacc atgcacccac atttagccaa tgtgaatgta  7380
actcagtcaa aaataaatga gtcccttacc tcattctttg aacgatttga cagtgactac  7440
aggcaactca aagcgtggta ccctatacgc aaccaacgaa cctctattct agctgtatat  7500
```

```
gcaaacaacg gtttagacct aatggaggca gtacagcaat atgagaaagt acgcgctgag  7560
ggaatgcgtt tacaggagca agaaatagaa aagaaagtga ctatacgcgt ggatggggaa  7620
caggatgaag ttgaggatga gtttgttatt gttaagattg ctaaaaatga tttaggtaac  7680
cttgatgttg cgtatgagct agtataacaa cgttttacac ataaatggta taataacact  7740
atatgaaata agagagggag attttaatga gtaaagaacc tgaaaaatta acagttgtag  7800
cagttgagga cgaggacaaa agtttagtga ttagtgtgtg tcctgaggac tattctaaac  7860
tgtacacatt aacattgtac aaagaggact acaatagtaa gacaaaagaa tggactaaaa  7920
aagatgaggt tacagagcga tttaacgagg acctaaacaa aattggtggt gtccctaaca  7980
caggtgacac attagaggta tatacctctg acaacggtaa agcttattta gaacctagta  8040
acttcattga ggtagaaaaa ccgagtgcga agatggctaa taaattatta aaagactgtg  8100
ttattgagcg cattcgtgac aactcaaaag gacgcattgt aacggtagct tacaaaggta  8160
agttctatga gttttcattt aacacaagcg tgtgggtacc taccattaat aagtttgttt  8220
ataatgacgc taaagcaaag aaagcacgtg aacggtttga gggtattttt gaggagtcac  8280
ctatcacatg ggaaaacgca ttagtaaaag acagtgaggg tgagttcctt gctaaaggtg  8340
tgaaaattga ctgtcttgta cgtaagaatg agcttgacca gtcaggtaac tcagcctttt  8400
tagaacctgt gaaaattgag tcaccggatg atgacctacc attttaataa taaagtgagc  8460
gtaccctatt gacaggtgcg ctctttttgt ataaaatagt ggtgtgagga ggttttatat  8520
gtataatatt tacattaaga actacaatgc gggaaacggt gttatagaga cagagcattt  8580
aggagtagag tcttggttaa ttgacaatga tacagggttt cttatattga tttataacca  8640
gtataagaca gagtttgttg ccttagaaca agtgttagga attgaggtct tagaaattag  8700
aacaggagtg atgtataatg tttagagtga cgtacattag ttggcgtatg aagtatgagg  8760
aatgtcttat ttttgccaat gatatttttg aggcgtgtga gattgctgaa cacttacagg  8820
gtgtagaacg cgttatagaa gttgtgaggt tggtgctatg ataaaaaagg gtttagagtg  8880
cattgtgaca ccgtgggata gtgattgtaa ctttaaagat ggtacggttg tgcgtgtaat  8940
tggttttagt gaatggagcg cgtggggttt cccacaatta tatttatgta cagatggaaa  9000
aacagaggga tattgtctta ctaaagaatt acaagaaatt tcaaaaaagt agttgacgtg  9060
ttttgtaaac agtggtaaca taataaatgt aagataacta aggaggaaaa cagatgaaaa  9120
acattatagt tgacggagaa acatataata atgtactaga agtaactatt ttaagaggta  9180
aatattcgga cgtatatgat gagtacgcgg gttgttttgc atatgtagat aaggaaacag  9240
acaccatttt tattgactac caataccgta cacctctatt gcactgtgac gttgatggag  9300
aactaatgat tccgctattt gcaagtgact ttgattatgt tgttaatgag agacatgagg  9360
ggtaaagagg agaggtcacc atgaatattt tactagaaga aactgtggca tttaatttgg  9420
gactgagaga cgccatcttt attagggtgt cagaacttac aaatattgta agggaacact  9480
tcacaactta cgtatatagt ggcatgcttg ttgtctccaa gttagagcaa ttggatgagt  9540
tttctaaatt gtcaagaaaa cacggagaag attatgcact tggaattgtg ctaggctatc  9600
cgccagagtg tgtgaattgg tttgtcaata gtagtataga agaacatgta atttgtaaat  9660
gtgcagatgg tggctcattt agttttaagt gtccagagcg tttgtttgat tatgcaaaaa  9720
cctatatgaa agagtatcat aatgtagagt tgcattatga tactaagtca gaagatattt  9780
ttgttataag aaatgatatg ttcctatggg aataatgtct aataaggagg aaaaataaat  9840
gattactgta acgattaata aatggcgaaa agcaaaagtg acacctgtta ttgttacagg  9900
tacagtagaa ccgcctgtag gtaaggagga gttactcatt ggacgtgagg cattgcttga  9960
cttagaaaca gatagcattt acattgaggc tagtgattta acttgggtat tccctacaga  10020
cattaatgat aaacgttacg cttcattttt cgcaagtgat ttcacttata aggagagtga  10080
acctaatgtc caatagatgg gaaacgcctg agaaccttga taaagaggat aaagttctat  10140
tacttcgtga acgtaataac ctcattagag aaaacgaaat gctaagggaa aagttgttag  10200
acgctcgttt agaggtagac gagttagcag atgaggttga ccataaaagt caacgcatag  10260
ctgaactaat tgaggacaat gaggagctta ttgaggaaaa cgcagaactt agtcagctaa  10320
ataataacct acgtggtcag gttgaatttt tagataagga agttgatgaa ctcattgaga  10380
aaaatgataa attaattgat gaccttgatt ctctatacga ctacgtggac gagttaaacg  10440
atttcataca aacattaatg gaggactact agaatgaata aaccaagttt aggactatat  10500
gttattattg ctttgttgtt tggaggcatt ggcttacacc gtatgtatga gggaaaactt  10560
ggctcaggtt tcttgttcct attcttattt tggacgggtg taccagtggt tatttcatgg  10620
attgacatta ttacagcact aacaacgcgc agacacttat tttcatagga ggaatagtat  10680
gggacgtcaa tacaaaaagg gtgacatttt aacatatgta gggggtgaag atgttttcaa  10740
aggtaagact attcaattag acactaagca gggctactgg tggggtacag taggtgataa  10800
tgataacctt tataatgaag agtacttaga tgataattac acttttatta aaaatgtgct  10860
agaaactgat aagccacagg ctaatatggt gaatgaagaa ctgacagata cagcacgtta  10920
ttcaaccaat tcaggtaaac aattgtttga cgtcttagca gatgacctac taacagatga  10980
ccaatatgag ggtttcttaa ttggtaacat ttataagtac attaaacgcc acaaagaaaa  11040
aggtggcatt actgaccttg aaaaggcacg tgtgtattta gatacgctaa ttaaatttga  11100
ggaggaaaaa taatgaacat tcatactgat ttacttattt tggctgtaga catgaacaca  11160
ggtaaggcaa cgggagcaat agagggggaa ggtgagaacc taaacaaaga ggaaacaatt  11220
gagctattag aaggggttgt caagttctta cgcgaagaac ttagtatgtt agatgaggag  11280
gaaaacgaag atgaataact atgagttatt agtagaagtt gaaaacacag accgtatttt  11340
aattgattta gaaaacgaca tgcgtgagca aggtgttgat gaccgaacac tcacattata  11400
```

```
tgctaactat gcaatgctac aggtggcaca acttctaaaa cttggttatg ttagtataga  11460
cgagtttatt gaaaaggcta gagaggaatt ataggaggta actgcttatg aaacttgtaa  11520
atatgactaa gaaaactata cctacagaag ataacttact ccattcaata tgggtacgcg  11580
aatatggtgg gtttttccta ccatctaatt taatgggtgg atgggttctt gttgacatga  11640
atgaccctag caacggttat aatggtagtg gtgacggatg ggttacagtt atggaaatgt  11700
gggaacaatt aggtaaccag tttgataagt tgctaccagt tgacacatta gttttacagt  11760
ctgttgacat tatggatgtc tcacaaaatt aacccttgca taagcgaggg ttttattata  11820
tactagtgaa cgagggggat gaaattaatg aacactattt tcacaccaac taagcaacaa  11880
aaagagaacg cgcgtaccat gtttgaactt tggaaaacat tagaaggtaa cgccatgagt  11940
tatgacccca tgacaggggg aataaaagag gttgttgtta cagagaacat tgaaacacaa  12000
tctaaaaaag gtaacccaat gagacgcctg aaactccgtg agacacgcac aggtagggag  12060
gctgtttctt acttaatgaa ttggaaacct gattttacac gttgggagga cattgagcca  12120
ctatcagtgg tgagggtaga cattgagtta aaagatgggt tctataattt aggtaagcct  12180
gaaattgcag gcaaggttga tgaagttcca ccgcgtccca ataaaccaag cgggaaacaa  12240
tatttagtaa tttatgatat tgaggtattt gagcaagatt ttgtcatttg tgctaaagat  12300
ttgtttagtg gtaaacgttg ggaaattgtc aatgacctag acaaggcgcg taaatggtat  12360
ttagaagtac gtgacagtct atttactggt tataactctg ctagttatga taataatgtg  12420
ctccgtggtt atttacaagg taaagacgcg tttcagttgt cacaggctgt tattaagtca  12480
gatgatagag gacttattta taaactcttt aacacgaaga aaactcctat tctaggttgt  12540
gacctgtacc atgaacacaa agggttttca ctgaaagaac atgagggttt catggggtta  12600
gaagtcaaag agacggatgt tgactttgaa caaggcggta aactaacaga tgaggaacta  12660
cgcaaagagg ttgcttattg ttggaaagac gtagacgcca ctgagctacg cttctatggt  12720
tgtgttgatg ggttacttgc taaagcgttt atttgtgcca tgttcaacct tgataaacaa  12780
gcatttaacc aaacaaacgc taatttagta gctcaattaa tgggtgccaa ccgtcctaat  12840
agtgtacgtg atgaccttac tgaaccattt acattacctg aaaacattca tgtaactata  12900
ccagagatta gagaaatgtt tttagaccat gagtttgacc taaataaaaa aggtaagccc  12960
gtagctaaag gaacgtatac tgaccctaat actggttatg ttatggagtt tggcgcggga  13020
ggtgtccacg gagctgttga acagcttatt cacattggac gctttctcat gcgtgactac  13080
ggtagtttgt accctaatgt gtatgtgaat tttgatgttc tttctcgtaa cgtacctgag  13140
gagaataagc acctagtgaa agaactctta gataaacgtc tagaggctaa atatacagat  13200
gaaacagaga ttacaatgaa cgaagtaacg ttaccaatgt atgtgttagt aaatggggta  13260
aaattgccta ttaatacatt gtttggtgcc acaggtgcag agtttaatgg gttatatgac  13320
ccacgttttc aatttctaac atgtgtgatt gggcaattaa ttatggctga cttctacgag  13380
ggaattaggg accatgttac catgttacag agcaacacag actgtcacgc ctacattcct  13440
catgatgagg aggctgaacg tattacagac gcgttctgtg atgacatttc tgagcgcgta  13500
ggtattgtat tggacaaaga tgagttcatt gccttatacc agaaagatgt caacaattat  13560
attggtattg acgctaaagg taaagtaaag gtgcgcggtg gaataatgct tacaggtggg  13620
ttaaaatact caaaagcagt tgtctctaat gcgtttctga actacgttgt tagcggtgta  13680
gattacaaac aatatattgc tgaatgtgat gacctgcgtc aatttcaaat tattactaaa  13740
acaggttgga cgtttgacaa gactgtatac gttgatagtg atggtaatga acatgacgca  13800
cagaaagtaa accgtgtgtt tgctgtgaaa acgggtgata aagctgttaa cttattcaaa  13860
gtaaaaaccg gtaaacttga accagttgaa aatgaggacg gagaacttga aacagaagaa  13920
gtaacctata ttaaaggtga tgactcatat gtaacaggtc taaacaaccc ccctcaatac  13980
tataccattt ccaatgagca gattggtgaa ggtgtacaat tagatgaaat tgaccttaat  14040
tactatgagt tagaagttga aagaacctta gtattatggt ttggtgagaa ttggaaagaa  14100
cggttgaatg aagcacacgc ccaatataat gagctgtatg gttcactacc agagccaaaa  14160
caatacgttt aatattgtaa atttttacgc taaaacgctc agagagcgat tctaagcaca  14220
tttcaaaaag gagattgtac gattaatgat taaagttttt tcaaaaagca actgtccaca  14280
atgtagaatg gttaaaaagt ttctaaacga acatgagtta gattataatg aggtaaatat  14340
tgaggaacaa cctgaggcac gtgagtattt aatgaacatg aacctcaaga cggtaccagt  14400
cactgaggta gatggtaaat taatattagg ttttaatgta cctgaactaa gacaattgat  14460
taaataaaaa agagacctat ataggtctct ttactctttt acagaggttt tatttagaac  14520
gagttcacta tcactcaggt ttggcgtagt tgggtcagga attaagttta ccgcgttgac  14580
aaaggtcaag gctaaaagat acgggttaga taccacagac attaagaagt ccgttaaacc  14640
ttgccatgtg cttaggtcct gaggttctag cgctaagtat gctaaagcgg gagtaattac  14700
accaatgatg aatcgtaccc agaataagat attgtccttg ctaaacctca cgcgccagtt  14760
aatatttttc atatgtcagt tccccttttct aatctattat atcatatatt taaccagtga  14820
tgaatgccaa aattgcaccc actacaccag tgataattgc tcctacggtt gttctagtaa  14880
gccatgtgtt acgtgattct agctctttga tgtcgtcctc tagtttgtta acatggtcaa  14940
ttgactgcga aagacgtttg tctaggtccg cgatttgttg acgggcacca gacagctctt  15000
ttttaatctc tctcacgtcc tctaaacgtg cgtcaatacg ctccatggtt aattgcattt  15060
tgataaagtt gtcctcattc attggcattc gttcccgctc ctaactttga ttgtatgcta  15120
gtctatttat cattttactc atgtagtcaa cttggttctg taacgtgtct actgcgttat  15180
cttgagtgct atatccgttt agttcataaa tgaggtcgtc catggctaac gcgttgccat  15240
ggaactcctc ctctagaact ctgttaaaca gcatatttaa ctcatcatca aacccattac  15300
```

```
cgtttaatac cttgttaata tactccgttt taaattgctc taacataatt atcccccttа  15360
gaataaatct tgacccgcat atacgcaaga gatgtttatc catgcgcctg acggaatcgc  15420
actatctact gtagtaccat acctacttac tagaattgca ccatccttgc gcacttctag  15480
tagtagcctg ttcattccag aaccttgatg aatgagtgtt acgttattca atggtctagc  15540
ccaaactggt agaggttggt taatgacata ttgacctgcg ctaagttggt ttatgggttt  15600
aaacgcacct gctatttgaa ccgttctacc tactcgcgtg gctgtaggtg tgttagtgta  15660
tcccataaca tcactatatc tttgccaacc tgacgcaggg tccaacatgg ttgtttcaac  15720
tttaattaaa tcatgaattt ccagctttga gttacctaat gaaacgcgcg aatctgttag  15780
acgcaaacct gtactactat actctgcacc gtagccattg ccaccagagt ttgggttgga  15840
actgaatgtt tgtagattta gtgcgtcagg gtctagatat aattgattgt agtttgtgtt  15900
acctgcttca ttagttgtag ccatgagtat atagtttgct gccataattt gacgatgtgc  15960
gtttttaaac actcctgtgc tactgtactg ttttatattg tttttgattt gtgagttctc  16020
tagtgtaatt tcacctgagc cagttgagtt atctgaatat ttcacattgt aagggtttct  16080
gatggtacta cctacaatct caaccccact aacttttttа aacatcccgt tttcagcaat  16140
aacattgtct gatacaatat tattaattga catcccccag ttttcccacg ctgtaccgtt  16200
ccattttagc acagtagggt cattaggttt ttgccataat gtccctgtag ttgggttact  16260
tggagctgta gcactaataa aaattgagtc tctacccgtg tatgagctag ttactaccca  16320
atttgtatac gtaccatttg aaagcgtatt tctactcctt acccacaacc acataccaat  16380
ttgaggtgtt ggacgtgttg tactccatcc tgaggtaggt tctacagaac tagttgtttg  16440
tacatactct gattgagtac cagtcacact aataccatcc tgaccaaagc gcgccactga  16500
gtaggttgtt tggttactat tatctgtaaa tgtccagata atacgtgtcc ataggtattg  16560
accacctgtt acatttggtg gtgttgcttg ccaacctgtg gatggtgctg ttgtacctga  16620
ggtacctaca gcgtaagtaa cagcgataga tttcacacca ttaccggttg agccatctac  16680
aggaatatag ttcactgtat aggctactga tgttgtacca tcagtgtact cccacgttgt  16740
acgtgtccat aggtatttac ctttttctag agttgggatg gttgtactcc atcctgatgt  16800
aggttcatca acgcttgagg tattgattgc ccactctgtt ttagttgatt tgacagaggc  16860
gccattttgt cccgttgttc tcatccacgt gtacttactt gggtccgtgc taggttcttg  16920
agtatagtta ctatattgac ccatatatag cggatatgcg ttcgcgaaat cttcagatgg  16980
gtttggggtg tagatggttg ccgtgtttcc tagttcgatt tttatttttg ttatagttat  17040
aattaaagca tttgaattac cctgtatact aaaagcatta gttgcccctg cggttatacc  17100
ctcaaattta tacgttgaag gtgtgtcacc ttgttttatt gtttgccatg tactgagagc  17160
gtcaaaatta cctaccctaa ttaacccatt attgttgctg aatgcgtcta ttgtgacgga  17220
atatttaact cctgctggca agtagttggt taataagtca ttgctataat agactattct  17280
gttagttgat gagtcgttaa acaacactcg catgttcccg tttgaatatt ctatagtcgc  17340
accatttcct gtccaaccat taatagtggg gtctttcgag aaatcataat tcaatactaa  17400
attatcattt gggtattgga gtgtgaacct ctcttttcca tcactactcc atgcgtaagc  17460
tgtgtgtaaa aatggatttt gaccatcctg tacgtttgca atactcaatg gctttgactc  17520
taatgccatg ttttttacct cctctaataa tctacagaac aataatatgt atatacattt  17580
gattgtcctg catttactgt gattgttttt cctgttgctg tccatgatgt gtctaatacg  17640
tttgaggcgt catatctacg ccatacaaac gaagtaaaat tatcagtaat gtcatccttg  17700
cctttgacaa ctttagctga tatactgatt gtaccctcac catttacaaa aaactgttta  17760
gacggtgtaa taattacctc agacggaata ctgttgtcaa actgttttga aaaatctgac  17820
gctatctgta gcaactgagg gtcaatacct gaatattgaa tacgaaaatc acctaatgtt  17880
aatgtgacgg tatcgtctgc gctacagcgg tcaattgtta gagctttacc tgatagatac  17940
aattcatctt tttcatctac aatgtttatc ctatcgccta catttaaatc agaaggtaca  18000
ttgactacgt ttacttcata attaaaagca ggttgacttt tctttttcaa ttcactaaca  18060
gcaagtgaag ccaatttacc tttatcaagg gtgtcatacg ttacagcacg tgtgaacaaa  18120
cctcctgttg ttgataagag tctggaccat ttaggagctt cttgcgtgtc aatcataacc  18180
ccattctcaa gtttaaaacg cccatctggg tcaacccacg agaacccact taatgtaatg  18240
gggttgtttg acccctctgg tgtaccacct aatgctcgta ttgctgtagt taactcataa  18300
atgttacctg tagttacgat tgaatctacg tcacgcccaa cacgtagagt aatatctttc  18360
tcgtccccca tatcctctac aatgttcatt gttttacttt ttaactgcat gttttcaaac  18420
tcaaagtcaa tggtaaactt agcgcctcca aagtctgaaa taatactcct tagacgctcc  18480
actgctgttg tctcattatc atagtttaaa gtacgtgtct gattactaaa gtagtttgcg  18540
cccaatgtaa agcccgtgtc tctcatgaca atgttccagt agtattgaaa cgattgaggt  18600
gacgtggttt taatagcagg tacaacatta ttaagtaagt caagtgcacc atcttcacaa  18660
cttatctcac gtgttcccgc caatgggttg tgtgtgaagt ccatgatagt aagacaggca  18720
ctatctccgt tatgtcgtct ataaattaga taattaccca actgcgccat ttctttaact  18780
ttaactaact gctcttgtga ttcatcaaaa tgtaataccc ctgtgaactc tataatgtca  18840
tctgtttcat agttgattat ctcatggtca tctgacattt taatgagtcc tgctccatct  18900
gtggacgcaa ttcctatagg gttaaattcc ctatcagtaa aataaaattc tattttaaaa  18960
acccccctta cacttgtttc tttattaatt ataccataaa aaagccactc tttggcgagt  19020
ggctagatgt tattacaagt aggttcgttg gttcttcaca gttacttcta aagtgtctgt  19080
agcccaatct gagttaatga actgtaggaa atgttctcct acatcaagtg cgaagccttc  19140
ccactgattt cctatggttg ctaggtcctc acgttctaca ccatttacaa agaaggtttt  19200
```

```
atcatgtgtg tttatgacaa tcttgtcccc tgctttaaat gggtttttac tttctttaga  19260
tttacctgtt cccatccatg tgaatcttga atctgtcacc tgcatttttg caacaataga  19320
gtaggtctct ttcttcttgt gttccacacg tttagtgttt tgtaggtaat atccactgac  19380
ccatcctgag gcaggtattt tcttacctga gttcttagtt acataatacc attggttgtt  19440
tttaataatc ttttgacccg tttgacgttt ggttgtttca aacgtgacgc ccttaggtaa  19500
cagaccgtat gacttgtaac tagtcttgga acctgcacga atgtgtagga cttccttaga  19560
tttcattgtc catgttacct tatccactac ctcccttgtg gctactgagt ctttatactt  19620
gagtagccat ctagatgttt taacaacgga agctttgttt gctacaggtg cattgtaggt  19680
aaatgggttt tttgtaactg gtttaattcc gttgtttgat tggatatgct caaagttcca  19740
agtgaacttc ttacccgttt ggtcacgtgt cattgtacag cggaaccaag atgatttgta  19800
cttagttacg tctgtcttga tagattttag taacttgtta ccgtaccagt attcaacaat  19860
cacttcattg ccttttgcgt cagagtcacg gatggctata gacattaata tgtcattagc  19920
gtctgtcaaa ataaccaact cataacgtcc gttcttttct gacgtagtac cgaagtctat  19980
ccgttcctca aatttaaagg ctcctgttcg taaacctgtt gatggtgctt tgacaggcgt  20040
tgtaagggaa ggtcctgacc atgcgtttgg tgcgaatgtt gtagcccact taggtttaaa  20100
cgcctcagaa gggctgtagt cccatgaacc catgtagagg tttggtctag cagggtcgtt  20160
agacgtattt gggtactgtg atacgtgccc actattgacg gtgaaaccag ttggcaattt  20220
cgtacctctg tagttttcat ttagaccaat ttcgtcttta attggctctg tagcgtcttt  20280
gttttcttca ttgccaaact gtaggacttt accgttttcg ttcataacag caatcatacc  20340
gttttcttct gcgttggtga tttcaaagat tgggtaactt ttccacgttc cataattggt  20400
aacaggtaca gtctttagaa actccttaac agaagccacg tatgtcccat ctgtgccacg  20460
tgttagcatt ggtctgttaa taacaacgtg tgcattacca tatacattta ggctcaatct  20520
gagaacttta gtagcttcat tttgaatggt atatgtttgc gtggtgcgag tcattggaat  20580
tgtagacgcg tctagtcctg tgccaattga ataccacgta tatagtttac cacgttctgt  20640
aatgtgttgg atgaacgggg tagcatggtc attttgttct agtttaaagt tttttacgta  20700
aaacgtacct acaaacgaag ggtctataac aaacagcact tctatcttat tgattgcttt  20760
attttgggta gttatactag cagaataccg cacccagttg tctgtacttg tgtttgtgat  20820
tgagactttt ccatcttcgc gcgtactatc atagtaggta acacgcacaa ttaattctgt  20880
tgttgctaga ctaccagtcc accccttaga gatgaataca ctccctgata cagtgtacgt  20940
tgtaccgcgc aaagcactgt agccatttga taggtatgca ggacgtattg ttgacactgc  21000
tgttttagtt aatttagtgg ctcctgctgt tggtgtagcc gttactgcgt caaagattcc  21060
ccaatactgt atactattgt cctgtgaacc gtttaatagg atatttggcg cagtgtcctc  21120
aggtacagtg tccgtggtac tataccctac atatgtaggg ctagtattgt ctactgtagg  21180
tgtattaccg tctgtccact gtgtagcacc ctcattagtt gcctcaattt tagcgcgcca  21240
aattgtaata tcaggtaagt cccctgttgc gtcagagtag aaattaaacc ccatatctgt  21300
tgaacccatg gtgtaagttg gttcaaagct aatgtactta ctctcattgg gatatattgt  21360
tttacccact cccattctgt ttgaaataga aataggttta tcaccgttgt tttttacata  21420
tatactatgc gtgtagtttt gtcctatgat gtactgtgtt cctttaattt ctaacacacc  21480
tatgagatta ttacttgtgt tcttagttac cttataattg acagcattac tagcacccca  21540
ttctggtaca gaaacccctg ttgttcgtgt aaattcacta gttccgtcag acactagtgt  21600
tggttgttca gattgcccac taggtattat atttgggtta ggttcgtcat tgaatgagaa  21660
acggtctgtt cctgtttcgt tgaaagcgta tgcggtacgt acctccccat tggttggtaa  21720
aggtgtagta tgtgtatgca atactttacc gtttatctta tccatttcat caataacaac  21780
ctcaaaggta ctagaaccat catcatcaaa ctcactaacc tttggtatac cgtagttagt  21840
tgcaaacgtt acttgtgagc cttgggttag gtcatctgtt tcataaaaga catcatctga  21900
aacaaaatca tgaaccacta gacccatgtc ctcaatttgt tcatctgaaa agtctaatga  21960
caatacatta gaaccgtttc tctgcgtttc caatacagta gtagtatcag accaatatgt  22020
tttagtttga aattcactat ctactagcat gtttgtagat gtactttgtg tgtttctaaa  22080
tgggtcactt aaaatagagt gtgccacacc ctcagggcat gaaaatgtta acgtcaacgg  22140
tgtaatgtct aaattagttg cgtcatactc ttgcgtgccc tcaaacacta cgttaaaata  22200
tctatcaggt aatgcgtcaa acactagttt cataggttcc ctactcatta cttgtgcaac  22260
tagtaaatct tttgtctcac taatagaaag tcctgagtgt tctgtaatca agtgtccatc  22320
aaaagtaagc gtgttattgc ctattcttgt atattgtagg ttctgaccgt ctgaattacc  22380
cacttgataa tatccgcgtt ctacatttag gaatggaatt gttacagtac ctaccacaaa  22440
taactcacca atatctacac catttaatgt aaagtttcgt aaaaagacag gctgtgccat  22500
cttataacct cctcataatg ttctcattct attataacat aattctaatt aaaaaagttg  22560
atgacagtca ttgacaaaat aaatttaata tattatatta ttagtataat cagtataggg  22620
aggaacttca taatgagaaa agagttgaaa aaacacatta agcagatgaa cccacaagag  22680
attgtaactg ttgtgaatat ggttgagagc gctacaagag gaatgtgtaa agagacaatt  22740
aggactagtt atcattgtaa agaacgtatg agtaaacgtt tgggtaaagt agataatagt  22800
attataatgg atgttcttag tcattatgaa gttattgagt acaagcaagt ttttgatggc  22860
gcctatatga tagacaagag agttgtgtta cgtagcacaa aagcttatac agacgaatac  22920
aattattgta ttgtatttag tttacttaaa aagtctgtgg taacatattg gaaaaataag  22980
acctacaata ctcatgaaaa tgtagactta agtaaataca acgtaaatat gaaagtatac  23040
taaaaaagag aggtataaac ctctcttttc gtttagctaa atgttacaaa tacttcaccc  23100
```

gttttatggt cacgtacagc catgtagcgt gtacctttat ctgcctgata gcgtacccat 23160
gtatagcgcc catcataagc ccatgcgttg tatttaatcg tatatccttt aggtaattga 23220
cctgtgattt ttgcatttgt tgacgcgctt gcacgaacgt tcatgacgcc tttagtagta 23280
gccttagcat tttcagttgt ccatttaagg actcctgacg gtttagagct attacccatg 23340
ttagatgacg ccgtgtctag gtcttgtgct aagaaccatg agttaatacc atcaacaaga 23400
aacgcatatt tacttacaga ttgattaact gttttacgtt cttttacttt gtatgtttta 23460
ccttttacaa agtttggcac tggttgaccc gtttggtatt tagttgcttt ggcgcgtact 23520
tttactttac tacctacagg gaaatcacgt gtgtctgtga tttttggttt agacggttgt 23580
ggttttggtt taggtttgtt gtcagtattg gaactatttc caccaaaccc atttttaatg 23640
tctttagcaa actgctcttt actaattccc catttacgca agtatggata ggggtcaata 23700
tggtcagaac cattgtttgg ttgatgtgcc gttgcatatg cgtgagaaat gacacctgta 23760
ttcccttggt ctagcgtctt aggtagtccc gcttcatcac ataatagacg aattaattct 23820
actagtagct tatagtcttt cataaactct tctttggttt tgtgcgattc aatcaattca 23880
attgccgcat atccccacga gttccatccg ccacctacgt cataaaagcc cgcgtttgtg 23940
cgtgctgttt gaattactcg cccgttacct actacgtgcg agaagaaccc actgttgacg 24000
ggtctgcgca tatgatagtc tgcctcgttt tgcgctgtag atgatgaatt ccccgtactg 24060
tgtacgtgaa tttgtccata cggtcttacc cctacttgtg gtaaacctga gcgcatttgt 24120
ttttcaattt tcattgaatc attctccttt ctatctctaa tcattataac acaaaaaagg 24180
aggcttaagc ctccttaggt tatgctaaac gcccttgacg tctgttagat accatttgtc 24240
cgcgttgctt atctttagtt aaagcagggt ttagttccgc agtaacttta cgtttgtcta 24300
agtagacgtc cgtgtccttt tctagtaatg cttgtaacag tgcgtttgtt tgttgttgct 24360
gtacaatcaa ttgagcaatt agctcatcat tagaaccctg accagctacc acggttgttt 24420
gtgatacacc taaccgcttt tgtgcctcag ctagtagata catagcgcgt gagcgtttgg 24480
ctttgtctag tggaataacc atttcaggtt tattaccctc tcccaccata gctaaatgtt 24540
ctcgtgtgat gagtccaccg ttagcataac cagtaccgcg ccatccgcgc gttagagaac 24600
cgtaacgggc taaagtatat ctaattgacg ctaaaatgtt tgataatggg tcataaatgt 24660
ttttattgta tggtttcatt gcatattgtc tgaatgtagg gtcaatcacc tgcattagac 24720
cttttgacgg aataccattc tgagcattaa tgtcccatag gttgatagct ttggggttac 24780
cattggactc tgtacgcatt tggttcatca gcgcgtttag gtttgcggtt gtccattgtc 24840
ctgtcatctg taaggctcgt ttagcagttg cacgccaacg gtctacccct gaccctgttg 24900
ctgtggtgtc aattgctcca ccttgtgact gagggtcttt cacaccatta atgtgtaagt 24960
ggtccatgtg tccacctgac gcccaattag tccatgtgtc atgaataccc gttccagatg 25020
tgcccacgcg gtcacgtact ttattcagag caataacgta gccaacttgt gatttaaagt 25080
tatcaaaagc atagttaccc gcttgacggt atttacttga cccgttcatg cttgcaggaa 25140
atgctacgtc aatagcgttt cttgaaccgt gactatatgg gtctcctggt ctatatccac 25200
ttgttacgcg cataccaggg tatttggcaa tcaccttacg cgctacatta gtaaggtatt 25260
tatacacacc cgctgtacct acagacgtat ctaggctccc gctctcaaac gcctcagtaa 25320
cacgtgacgt aagagcgcta gtagctttct taatcattcc acgggcaacg tctagaggat 25380
attttatgag acctgaggtg tctactacgc tagagaatac tttttcaact aatttgcttg 25440
ggttagttgc gtagtcccaa acgtcaccaa caacactgct aaccttatca aacgcacttt 25500
tagccatgtt tttggcaccg ttccagatgt tttttacgcc tcctgtaatt ttgtcaaaga 25560
agccagtacc ttttttgtat gcaaacttag gacgtttatg acctaacact tgtgcagttt 25620
cttctgctgt taaaacgtgg gttccttttc gtccccacat cgttacgttc ttacctttag 25680
ggataaccgc ttgaccactt gggtcaataa ccatttcagc accacgtcca tcattgacag 25740
tcatgggacc atctacaggg tgaccgccac ttggtgtacc tttggcgtat tcaggtgcct 25800
cccatgtttt taacttgtcc atgcctagtt tttctaaaac ccagtttgca ccgccaataa 25860
ttccgttcac tggtttttca attactttca aggctccgtt aaacatacct ttgaatgcgt 25920
cttttaggaa gtgagcgcct cctttaattc cgtcccctag tttcttaggc agtccttta 25980
tccaattgac aactgtgtcc ataccaccgc taaaagtacg ttttacaccg tcccacaagt 26040
tacctataac acgtatgaag ttgtctttga tacctgaaac gccttttcca atgtttgacg 26100
cccaaccttt tacaaggttc catgcgttac ttgttcctgt agtgaaaaag tttttgacac 26160
ttgtccacat accactgatt gtattaccaa aaccagaggc aagtcctttg actccttta 26220
tgattttagc aaagaataga atttgtaacc agttccagat agccttgatt gctcctgaga 26280
atagttgttt gacaccatcc cacatgagtt taaaatcacc tgtgaatagt ccagtgaata 26340
tttttataat acccataaca gtgtcaacca taccttgaat gaacccgata acattgttga 26400
caaagtcacc aactaaacca attacaattt ttagtagtgg actaataaaa ttaaggaagt 26460
tcatgaacgc ttccatgatt tgtttaccat actgattata gaactcgctt acctgtttga 26520
aaatgctacc gaacgcacta aaaatcgtgt ctagtatggg ttttaataat ggataaacct 26580
tttcaaacat gatggcgccc atattccata ataactccgt gatggtttta atataatcgc 26640
caaccggttc cagtattggt tgtaacttac caaacacctc acctaaatat tgccctactt 26700
ttggtaagat gtcttttgta aagttttcaa tagtatcagc cattgtgctc atgataggga 26760
gcagttgcat gcctacttca ttttttaatg ctgaaataga actactaaat gcgtcccaac 26820
ccgtagtgtt gcctgctgaa tcgacaaccc catcaatggc accctctacc tcagtgaaat 26880
tgttttcaac ccccgcaagg gctttaatca ttttcatact gttgtcctca cctagcgcgc 26940
tccacactgt agaggctttg ttaagtgatt cataactaga gtccattttt gagaagtcgt 27000

```
ttagcatact ttgagtaaca tcagcctgtg tcgctttgcc gtctttgaat gcttgaaaaa  27060
cgtctcttgt tttctgagaa aacatatcca tgttgtcatc tagccgtccg tcaacaatag  27120
agataccaat ttctttttact aggtcgttca ccttatcaag gttatatgct ccaccgtcaa  27180
gacccgcaag cattgtacta aatgcctcat ctgctgtata tcccatttgt gcccaaatag  27240
gagcatactc cgctaagtta tccgctagtt cgtcagattt attaagtccg ttttgtgcgc  27300
ctaacgtcat taggtcaaac gcttgcttac tatctagacc ccacgagttc ataatggcgc  27360
ccgcaccgcg tagggtttca tttacgtctg tatcaaacat ctttgaaaac gataccgcgt  27420
aacgtgtaag gttctgtagg tcctcaccga atacagggat agggctgttt tgctcaaccc  27480
tactcatagc gtcaaccatt tcctcaaggc tacccaaacc ctcagcaact agttcgttag  27540
ccatttgagt gtagttttct gcgccctctt gtgaaagacc taatgcacct tgaaacttat  27600
tgatggcgtc ttttgattca ttgattccgt ctgttagacc cgcaaaagtg cccactaatg  27660
aggtgaccgc accgattacc gcgccacctt ttagagacat tacaccatct aatagtccac  27720
ctaccccatc tgtagcctcg tctgctccac ctttgatgtc actaagtcca tcactagcgt  27780
tctccattga tttaagagct ttacttgata atttagcctg tgactctaat ttagataggg  27840
agattctagc ctcctcaact tctttagagt tttcaccgaa ctcctgagaa ctcatttcaa  27900
tagcgcgctt ttgtgcctca atagctttct cagttaagga gattgaacgt tttagaccct  27960
cctgtttagc ctcaagtgcg cccgctgagt cccctgcgtc ttttagtgct tttacttgtt  28020
gttgagtctc acgttcgttc tgtttcattt ctttagaaag ttgtgttagt ccactcttag  28080
cgtcaatgta ttccttggag gtttttttcta gttgactagt taaaccattg tattttgctg  28140
tggcgttatt gatttgagtg cttagagact gaacctgttt agactcagcc ccgtatttct  28200
ttatagcgtc ctctctacgt ttgtttaaaa cctcaatgcg tttctcttga atttttacaa  28260
cgtctgttaa gtcgctgtac ttttgttcca atgcctctac actatcagag gcaccgtcaa  28320
acgctttgat gtttgccttc atggagcttt cagcttgttt gaattgtttt gttagtttgt  28380
caagtgtatt acctagttca gcggttccgt caatacctaa accaaacttc atatttccta  28440
ctggttttcc gctttgcacc atgtgttaat cagctccttt tttctctagc ttttcaagtt  28500
cctcaggact taagaaacgc ttaataaagt cagcgccatc catcaccttt tcttgtttag  28560
actctttacc aaacaattgt aataaaagaa agtagtcagc gttctctatc tctgagagtt  28620
gccagctact ttctaagagg gatgaatatg tttcctcaag ggtttctaac tgttcctcaa  28680
aggttttttc ctcaagtcct gttatttctc ctttgaaact gtacccccgt tgacttgttc  28740
aaagactccc tgtactaatg gtaataagtc ctcaaaggct acgttatcca ctaacatatc  28800
ataagtaagt tttgtgtttg agaaaatgga gagaactaag tttagcatat catctaaaac  28860
ctcaatctca ttcatttgta actcaccttt ttcaaccttt tccattttac tgtagtatgc  28920
taaaatctcg cgcattgttc gtacagttac tttctccgct gtaaatgttt gtttttacc  28980
ttttactttt agttctaatt taatcattat aattcctcct aatatgttat gttctattaa  29040
tattatatca tatagcgcac aaaaaaagag gggtattacc cctctttact gtccaactgg  29100
cgttgttttg tttgctacaa agtcttggaa tttctcaagc gtcaacgtct cagacttcac  29160
accagaggcg tatacatatc cacgtgagtc actaatagca gacccctcaa tagtatcagt  29220
attagggtca gtgcctccac cctctgaggt attcaacgca acgtcagggt gagcaaagcg  29280
aactttagtc agtcccatat atacctcatt accatctgcg tcatctgata caaaagtaac  29340
agagacataa ggagcttgag tgtcctgccc cactgtcata ataccatttt cgtctgcggt  29400
aatacctaaa acagcactat atgctccacc cgcttgtaag tcgaaaacat tcaatgatac  29460
ggttgtttca cctgtacctt tagcagatac gaaaaacgga acgtttgacg cgtagactgt  29520
agtagcctcc gctcctagtc cactgattgt tgcctcaatt gcaccgcctt tagttttgtc  29580
aaggttgtag gttgtgtagc ctgtaccctc gttattgggc acatgaatat gagcagattt  29640
aaaaccgatt tttgccatgt ttgtgtcatc ctttcttgtc tttcttatat tattttaaca  29700
catgattttc gttcaaagtt agactagctt tatgtctctt gtgatgatat agcgtttaat  29760
gatacgtggt gcgttctcaa tatcagggtc agtaccaatt tcactatatg atagactatt  29820
gtagtttcct gaaaatagtt tgtccatttc atagtaaata ttttgcgcct ctgatagtgt  29880
cttacaccat acatctacct gtatggttat ctccatcatt agggggttat tacttgcata  29940
agagtcgtga gtatatccaa tctcagtaat tcgccctaat ggtaagttag gaattgtttg  30000
ctccgcctca ggaacaaagt ttacgtacca gtctatatct ggataggctt gacttagttt  30060
atccgcaatt agtgttgtag ttagtttcac atataacgcc tcctaaattc atcctctaca  30120
cgtttctgta catctttaga caatgcgtct aaagactttt ctatcacgtg ttgaggtggt  30180
tgtttgatag ttccaaactc aataaagtgc gcgcgccacg caacctcatc atcaaagcca  30240
atttctacat atccatcttt ggctttgcta tagataacat ggtctctcat atgctcaccc  30300
atatatgaac cacgcttacc gctcattttt gctttactgt tagaccagta tggtacgcgt  30360
ttgctaaatt cctcagcaac ctcaggcgct atgtcgttca ttattttatt tgcctcacgg  30420
tctaagtctt tacctagttc accaagcgct ttgtagatgt cactaaagtc tacataatta  30480
tcactcattt taccacctca tttaaaacgt cctctttaga aacctcctta gcaatcaaag  30540
tatcaaagtc tttgctgtat gttccacgtg aaacatcctc aatgcgatag cgtacaccgt  30600
tgtgtaaaat ataatggtct cgctgaatct gtttcttttg gtcatacctt acaatgaagt  30660
taacagcgtt ttctaaagtt gtacccgcag tctttacttt atcacgcata tattgagact  30720
caaaagacgc ccaacaagat agtaagtcct catagattac tgtaggttgg taattttcgt  30780
ctttaccttt tttggcgatt tgaatagtaa tacggtcttt taacttactg tattttctaa  30840
aggacataat tatcaaactc ctcaggacgt ggtaagcctc gtaattgatg aatgagtgct  30900
```

gtcactccaa acggaatctc agacaattgg ctaccgctta ctccctctct attttcatac 30960
cagtgggcaa ttagaaacat tgtagcaata tcaaagcgtg ggtccgttgg ttggtccttt 31020
acctcaatgg ctcccatcaa aaaagaaact gctgtttctt gtaacattgt taaatactcg 31080
tcatccatat tatggtcaat gcgtagatta tttttaattt ggtcaattgt tagcattatc 31140
tcactcctat ctaataaaaa agaggtaaga ggttttaccc cttacccctc aatgggttag 31200
ttattaggct cctgctccac cactagggaa ctcagacgca tttgctactg ttaccgtaga 31260
aacgttgtta ggaatagctc ctaatttgaa cattaagccc gcctttgtgt ctgtagctac 31320
tacgtcaaaa cggatggcac ccgctaacat ttcaccgtag acattgtggt cttgccaacg 31380
taccgtcatt tcagtacgtt tgaacaaagt aatagcttgt tctaagtcac caatgaataa 31440
tagtttatca tttgtgtcgt ttttaaagat agcgtcagga agtacaatta cctctttacc 31500
aaacaatgtt ttaccacttg ccattgctac gtttggttga ataatgtatc gtccgtctgc 31560
gtctttcaac gtatccaatt gagcaaatgc gctttgagaa acaaaaactc gttgattgta 31620
agcagggtca attgttacgt ttgacgctgt tttcaattga tcaagagaag ttacttctgt 31680
tgcttcgaac ttagctagta actcagtcat tactgcttta ttgattgtgt tcaacccaat 31740
acgtgttaag tggcgagcaa tcaacgcaac taagtcaggg tcagagtctt gaattgcttc 31800
gttagacatt ggaatatatc cgcggtgtgt ttctaccttc cattctacat ttttgaatgt 31860
tggttctgcc aatttagggt tttctactaa ctcagctact gtgttcatta ccgcgttagt 31920
tgtttccaaa atagggtaag aacctgacgt tgtgctaact gttactacgt tgatatagtt 31980
ttgtaggtct acgattgtct caggtaatgt tacaggttga gtaatgcggt caaccggaac 32040
aattgcctca acgccctcta atttaatatc ccgtaactca ggtgctttta cagaaccgtg 32100
tgagcgtaca tattcaccga acgcacgaac ctcagcttca gcaacgtttt ctgtagggtt 32160
gattttcttt acattttcca tacttctagc ctctcctttt tctaatttgt ccacgtcttc 32220
ctctaatgct ttagcacgtt ccgcgtccac agatttatct ttattttctt ctggttcaac 32280
ctcgtctgcc tcatcatcct taggttgttc atccttaggt tgctcgtcag ggttaacctc 32340
gtctgtttgt tcgtcttgtg cctcacgaat ttccttgatt aatttatccg cctcatctaa 32400
tttaccttgt gcgataagtt cacgggcttc tagtaatcgt ttatccatgt ttcacactcc 32460
ttattatgtt tcttaaataa ttataacacg cgtttattaa ccgcgggtga gttagctgta 32520
tcacattaat tctaaaatgt caagttctaa ttctaatttt ctttttttgtt ctttaaacgc 32580
tttttgtgac cgttgtgcca ctgctacagt tgtatcatca tatgcgggaa ttgaaactag 32640
tgaaatctct accaatctac caatttggtc aattgtgcgg tgatatgtgt ctgtgtttgc 32700
gttgtatgac cacgtatcac ttttaaccat aaacccaaac gaacactgtg ataggtcacc 32760
gcgttttact aactcataga cgtctctacc taattgggta tttggtaatt gtagacggaa 32820
ctttaaaccg ctgtcgtctg tgtttaattg tagggtacct gtctttgttc gtcctaataa 32880
gttacctgat tgatggtcat aaaatgcgcg gacgtctgag aagtcaaccc cattaaaagc 32940
atttgaacta atttgttcat atacgttctc atagaggttg gtttcactgt tgaacgtaac 33000
agcgtaaccc tcaacaatca tgtcctcatt ttcctcaagt gctctaatct caatgctacg 33060
cgtctccgtt ttcatcatta gtagcctcct tattttgatt gtttgtttca cgtgaaacat 33120
taatacgtga gcctgtcatt ctagaaaact gactctcgtc tgtttcagga taaccatagt 33180
aggcgcgtac ctcgttaggt ttaagatact caatgccttt ggctgtaccc tcaaacattc 33240
gttttttgcg ttcgtctaat gtatcgttta ataaactagc aaagtctagt tccacgtcaa 33300
tatttaattt aagatttaac tcatcacata tcattctcgc atatcctgat aaggtactag 33360
caatgtaaat agagttttgt gttccgtctt gtgagtttac taactccata ccaaaacgat 33420
ttaaaggtat accaaacact ttagctattt gttttgtgct aaaggtatta gactgaatta 33480
gtttcaatag gtctgtatta accgtaaatg tttcatactc ttgtgtgctg tccaatacga 33540
gtacactgtt tgcgttctgt gttcctgaat taatggactc aaaatctttt ttaatttggc 33600
gtttgacatc gttattcacg ctacctttttg ttagttttaa gatagcacca ccaaagatac 33660
ctttttttaaa gtaactacct aacaaacgtg ttccgcttgt ttgcatatct atttcaggta 33720
ctagcgcttt tagtggtgag cgtcctgaaa tgccgtcaat tgagttcagt ctaaaatgta 33780
acatgtcttt acccttgatg gtttctttct tttgattgtc agggtcaatg tactcatatg 33840
acaattcttt actcgctgtg tcttgtaaga ttgtaattgt atgagggctg acaatctgta 33900
gcttagtaac ttgtgttccg ttgcgtctaa tgattgcaaa cgcagaccca tataaaaggg 33960
tatacatggt aatagcatac aaccaaccgt aggacgttag gtttgtatct ggtttactac 34020
gcaagatatt tacaatctga ggtttactta caattccatc cggtcgctct ctaatcaaac 34080
atttagcaat atcgccactg ataatgtttg ttgctgtgta aatgtcagaa ttttttaaat 34140
gttcaatctc gtctagtgat tgccctgtaa taaaagtacc aaagtccaca accattggtg 34200
atggtgctac ggggtataga tttgcccgct cttcgtgtgg cttgtttctg ataaaaattc 34260
ccattagtga ctctctcctt tatcgttgat gttatcaacc tgctctaatt cctttgatag 34320
cttaaaactt gtagccaaac aagcgccacc taataccata aaacctacgg ttatatctac 34380
caaaaaggca ccaatagcca taaaaacaca cgctagtata tacataatca taggtaaata 34440
tataattcgt tccatggtga acctcctcca attataactt ctttataaat tataacacga 34500
aaaagacaac cctagttggg ttgcctcgtt cgtttattac agtccaaaac caaaatcacc 34560
gcttgcgtaa cgttctgacc agtttatttc ctcgaactca taaaagtatg cttcactgta 34620
cgcgtttata agcgcgtcaa gagggtcaat cttgttgcgg ttaacttgtt tatcaatcat 34680
aattaaatcg tttgactctt ttgtaaatgc gttgtacacg gctcttgtca atagagggtt 34740
gttaaagtga aggaccttgc ccgctcgtat atccacttgt aattgtttag taggtgggtt 34800

```
taatcgcata taagactgac gtacatcaaa gagtacgtcc tcatacccgt ctgctagtct  34860
tgtggtaatt aattgagact gtgcagggtc ataacaaata ccttgtacgt ctaaattgtt  34920
tgtctcaata aacgccaaaa cccaatttaa catatcctcc caatcacact gaccgtcagg  34980
acgggaagaa atttcacaat acccctgttt ggaatattgt ctatagggtg ttctatcgtt  35040
agcctctttc tgaacaatac caccacccgt tgttgctacc cacgcgtgag agtcaacaat  35100
aaacaattct ttttcaggga taggaataac ccacgtaaca gcggtcaagt catttactcg  35160
tgctaggtct ataccaataa atacttcacg ccctgtgatg tcaaactcct cgtctgtgta  35220
cgccttttcc cactcgtcta cagaaatgta tgacgttgct tggtccgcaa cccaaaaatt  35280
aagctcctta gttaggaagt tggtgagatt acctttagcc tctccctctg tctttttagc  35340
ccgtttgtgt tctaacatat gtgtgcgaac gtcaggtttt tcaaaaagag ggttagattt  35400
aaaccagttt tcctcgtcat ccgcctcgtc aaaactatcc atttcccacc atagagctaa  35460
gtagtgttca gcctctacct cacctgttaa tactttcata gtcattggat attcctccat  35520
atgatagtgt ccgtttaggt tttgtgaggt tgtactaatc attaagttaa ggggttgtaa  35580
ttgttgtgac tgagatgact caataacctc aacaatagaa gtatctttat tctcagccat  35640
ttcatcaaag atggagcaac aaacatctaa cccatctaat acagatgagt ctgaggctag  35700
agctttacaa aaagagtcat cttttgtctc aatgtcatat ttgtttactt ttgtaaactc  35760
acgaaccttt ttagatttct ttctaacagc ctgtagttgt gtcttaatca tgcggaaaca  35820
aatagacgct tggtcttttg tattggctgt agaatatatt tgacgggacg ccattggcga  35880
acgttcgtaa agaagttcat ataatgcaat acccgcgatt aataatgatt taccgttctt  35940
acgactcatg gagattacca ctttagtaaa tcgcctgtac cctgagtcct ttttaaccca  36000
tgaaaatatc ataccaataa tgaacttctg aaagtctgct agtcctaccc tcttaccgct  36060
tttggggtct ggtaggttgt caatgaaagc gattggtttt tctgctaatt ctggtctata  36120
ttcatacgga aacgatgggt attttgacct ctctaagtcc cgttcatgtc gctcaatagc  36180
taactgaata cgtttcccta caggatattt tcccgccttt actttgtcaa tgtaaatttt  36240
tacatagtcc ttactcattt gctgtatcac tcctttgttt cacatgaaac attataacat  36300
gtcaccaaac gggtctggtt gttctttcgt tttcatgctt gggataatta atttcatacg  36360
tccatcaatt gaaagtccta atgaacttgc tagagacttt agttgtttag atgtttcatt  36420
cataacctta aaggcgcctg atggtttccc tttttcgtca agataaccgt attcagatac  36480
ctcttgagtt gcctgactgt aaatagcgta agtattacaa taaatgacta gcatgccagc  36540
gtctagtttt gaaattggta gctgtttaag ttgtggaaca aggtcctcgt aaatcaacca  36600
cccttcctta gtaattccct caggaatatc gtctaatgaa agttgttcat aattatataa  36660
ctcttgttct tcttgctcgc gctcaatacg ctcctctttt gttaaatgac tattatcttg  36720
tgcgctgatt agttttctag gtcttgccat gttactctcc tcctaaatat gtctttgttt  36780
caagtatagc ataaaaatat ttgttttagg aatcgtaact tatttttgaa tttaggtatt  36840
ttttactttt attaataaaa gtatttttta cctttattag tttaggtact ttttaccttt  36900
attacttttc attttaggaa ttttgcacga aaaagaggga acagcgatta ttttcaattt  36960
aaaaaggcac ggggggtatt ttttagagcg tctaaaatat ttctaaggta attataccca  37020
gaacacttag aacgtatctc agagcctctc agagcgtttt agagcatgtt tgtttttgag  37080
cgtaaaaaag agagggttat ttccctctca atttgtttct attactgttt ggatgttctt  37140
gtttgttgtg acaagaaaaa caaatacttt ctaaataatt catatctaac ctatgttccc  37200
atccctcaga ggttcgtatc tccgtggtat ggtgcaccat gtctgctttg gtagtgatat  37260
ctttgctcat acatacttca cagaatggtg tctctaatag ttttgcttta cgtgttgctc  37320
tccattcagg tgtgtgatag aacatattgt atttactatt tggcttacta tatcttactc  37380
tcctattgta ttccttaccg ttgtctcctt tgtgtatgtc acagtacatt gttcctacag  37440
gtaccttgtt cctacaatag gacacattac atttcttcat tggcataact acactacctc  37500
catccattgt tgtatcatgg tatcactaat agatacacca ttggttatac tgtcatatac  37560
cttttgttct atctcattat cagctaacag gtagtagtac acagggtcac tggtagatgt  37620
gtgccgtgct atccgtccct tcatttgttg gtacgtaata ctagaaaggg gtagctcgta  37680
gaataccatt atgtgggatg tagctaagaa gtttacccct gtacttcctg ccttgaattg  37740
tactagaata atcgcgtcct catgttgttc ccatgtctct aagtccttaa tagagccatt  37800
atatattgag ataggtctat caccttaga caattcctct actaatctat tacacgtttc  37860
tttatattga tagccaataa caacgcgttc tcctttagtt tcttctagta tgtcttttag  37920
acggtctgtc ttgctgtttt tagctacttt acttacatat ggtataaaac cattagacgc  37980
aaccctaagt gcgttaaaca gcttgctagg gttatctaat tcaattatgt cacctgagtc  38040
tgtttcatat actctatgtg tgcgtagttt cttaaccatt gatggtgact tgactttata  38100
cacaatatct gatgggatga gtttgttgtc acgtttaata gcaacgctgt gttctttgag  38160
tagctcattt aattcctcag tgtttctata tcccacaatc gcattataag accgtccacc  38220
taaatactgt ttctcttcta tacagtagcg ttctctaaaa gatttccacg ttccagagta  38280
taaacctgcg attttcaatt gagaaaacca ttgttctaac attccgttag aaattggagt  38340
tccgctcatt aaataggtgt gtcctgcttt cttacttact ttcatccaaa acttagttac  38400
gtttgcgctc ctgtttgcta gacagtgaga ctcatcaaaa acaatcatag tgtctttatc  38460
tataaatttc aataattcag gtgttcgcca tgatgattga aagctgattg atacatattg  38520
cgttcctgac gcctctagaa gctctcctct gagctttgga gacccactta gggtaattat  38580
acctaaacct tgtttagacc cctcagaagc ccaatcagac accttagacg caaggcacac  38640
tactacgagt ttctttagcc ctgatttttt aaacgattct aatgccatga gtgtcttgcc  38700
```

tgagccaacc tcactatgat ttagattatg tgtttcccat ttgtctatga ccatttgctg 38760
ttgttccgtt ggtattaaca ttatattacc tcctccacat tagtctatca tgaaaccatg 38820
tagggttgtt gtgttgggta gtaggttata ttttgttatt attgtacaca ttcaaaaacc 38880
gtgtacactt tttgtacaaa cctgttttac gccttgtgta tcaatgtttc aaccctgttt 38940
taaccattgt agtgttgtgg gatgacctca gctcttatag aaaacaatta cattttccac 39000
ctaccataaa caccattata tcagtttttg tatatattat atattgtatt tatttttttc 39060
tttatataaa gtaataaaaa ataataaaga ataaaagaac ataagtaaac cccacgacac 39120
acgtggtatt taaccgtacc aaaaaaatgg tacaatcgtg tacatttgta ccaaaaatgt 39180
ctcaaaccct tgtcccccaa cgcttaaaaa accgtacacc acccttttgtt attttattat 39240
ttttgttatt taattattat catcaaaatg taccccaaca aggtgtcccc atcaagttac 39300
cccttgcgct gacgtaaaaa gtatgctaac ataataaacg aagaacgaaa ggagaaaaca 39360
ggcatgatga ttcctacaat acacacagaa atgacaccag aagtaaaaga catttatcca 39420
ttaacctatt gtcgcgataa ggtggaccta cctatagaca ttgagtacac gaacagaggt 39480
tcgcgctttg tcgttggtga tattgattat attgcacaga caattttaaa taatactacc 39540
ctcatcttat ccacagatgg taagagtgca tgggtattga acaaagatac gaacatttgg 39600
cactatgttt ctaataatgt acgtgaattt ctactatact ctgtcattta cccacaagcg 39660
caagagttta aaagtggtga tagtgataat aaagtaggta cgttcttagg taaagttggg 39720
gacaaggtat acgaacttgt caaaggtaac cctcaattta aagagggata tttcaacgat 39780
agaacgaacg ataagtacag ataccttggt gaatgtgcgt attttcaaaa cggtgcgcta 39840
aacatgcgta cattagaact acgtccgttt gaaccatggg actatagaac gcaagacacc 39900
attttaccca ttcatgtaaa agagacacct gtgacgctac cagagattga gaaaaataga 39960
ctatggcaag cggtcaactt ctttactgac ccactaagtg aaaaagcatt atgtgagttc 40020
atagggtcat gcgtctatga gaacaaacct gaggctgttc atgctcaaat tgttgtctca 40080
cgcggtacac gcaacggagg aaatggaaag tctattctaa tgaccaaaat cataggctca 40140
ccattgtttg gaaaaatgta cacagaactc ccatctaacc gcgcatttaa cacaaaaggt 40200
gagtttaata gtgcgttact agttgacaaa cagttgattt tcattgatga attgaaccct 40260
tataatttag aaccagaggt atttaaacaa caaattacgg ctacacgcat taaggtgaat 40320
gaaaagggta aggctgaata tgacgcgcgc tttggcggac actttgcggg tgctagtaat 40380
gatgtattta aagtacgtga cgcctcagat ggttcgttaa gacgtatttt gccaattatt 40440
ttcaataagc aagtgacaaa aggtgatgac aaagtaacgt ttatgcgtca atttaaccct 40500
gatgtgtcta ctgagatgag agacgcacta aacaacgaac atgagaaagc tgagtttatt 40560
agatggtgtg tacaggagta tgctgaacta ttgaaacgca gagaggacgt taccgcagac 40620
gagtttgtgt ggacgctatc tgatgaggct aaggaaatgc gtgaggaact agtacgtagt 40680
aaaacacctg ttattgattt agcctttaat agtggactat ttgagcacac gggtaatgag 40740
ggtgaccttg ttgaattgaa actcttcacg gacggtattc ttctagcaaa cagatacaac 40800
acagatgata gaagtagaat aacgcgtaaa atggtaaaag aggacatgag ggactatatg 40860
tacaatgagg gtaaacgttc gcgtattaag gcaatatgca cgaaccctaa gcaacaccac 40920
gtagatgact tgaatactgt agcgggtcca cgtgtgtacg tgagtgggtt taagcttgca 40980
catgatgacc ttgacagtga tttagaaaag aattggtttg agacgattaa gaagcattta 41040
ggcaaacaca cgattatgga agaggttttt gacgtttact tacaacctga ggaggtattt 41100
taaaggagga ataaagatgt taggttgtga ttattgtaaa tttgaaccaa tgagggagac 41160
actattttcc tcagattact tatggagtgg gaggactgac atgactgagg tgtttataaa 41220
cgggaaaact atgacagtca caactgaggt tgacaaccaa ggttataccg ctcagtttga 41280
gattcactat tgcccaatgt gcggtggtaa gctgattgga ggaggttttt gacgtttact 41340
tacaacctga ggaggtattt taatgtttaa ggttgaacat gttagattaa cagaatataa 41400
tgacgcctat atgagtgtac tgttgtttag gcagaaagta cgtagatatt atttaactgt 41460
aaacggtaag gagtcaagag agtataaata ccacttgtgg tttttgcaaa aagtaccact 41520
attgtataaa attagtaggt atgtaaatac tcgtatagca ataaaacgca ttgaaaacat 41580
ggggggagaa cgaaatgggc tactttaaga atttgttatt agcgttgggt tatattgttg 41640
ctttgtttac cataattaag ttgggtgcag ttggttttgg ctatttaatg acattagtga 41700
gccatttgtc aggtttagta catactctag tgtgctttat tagtaacaca cttgattctg 41760
aaccgcttac aggtgtgttt ctagcctgta ttagtgcttc acctctaatt gcattgtgta 41820
tgtggcttga tgataaatag aatattctca ttaaactcta atggtttttt aattgactat 41880
tagagtttaa ttgtttatac taggttcata aggttgaggg ttaagcctac ggggtgaacg 41940
agtaccaacc aataaagaca agggatggtt aattatgatt aaggtgatga attgggagta 42000
tgaatatgga atgaaacgag tagcattcta caaagaaatt ggtcatgaga ttgagctttt 42060
agatagagaa aaatgtatac acttttatag agacggacgt tattatgcta caattgacaa 42120
aaaaggtttt agtggtggtt atcaccttaa acaaacacta aattagggga ggaatttaaa 42180
tgaacacata tacagtttat taccgtaaca ttgatgagca ctattgctgt agtattcacg 42240
ttgacgcata tactattgaa caagctatta ataaagggtt acagtacctt gaatatgaag 42300
aacatttaga ctactcagaa attgagattt gtcacgttga gaaagtgggg taaatgaaat 42360
gacaccagaa aacgttgaaa aagagtacgg tgtgtacgtt gttggaggag acattattga 42420
tatattagac catgtttttc caagctatga agaagcttta gaacatgcta agacattcca 42480
tgaatgtgat actgtaatag ttggagtagt tcaggataag gatgaagagt gatgagtttc 42540
ttaaatatat ttttaccaac aatgatgata tgtattatta ttgtagctgt agttagtgcc 42600

ttttggggac tgatagcagg actctctaaa ctacttgatt ggctcattgc taaacttgga 42660
gacagtggag aggtaattta tatgattact ttagttggtt ttatagttcc gtttattctg 42720
tctgttgtgt tttgggtaat tagtaaaatt ggaggtatga gttaatgtat attattagtt 42780
tgtttattgt agtattagtg agctacgcat taggttgggt tctatctaat ttctttggct 42840
ttgtgtttga acgcatagca gagagaaatg ttcatttagc aattttgtac ttagttgttt 42900
tagttgcttt actgattaca gtattggttt atatacttat gcgtttgttc taaggag   42957

<210>   3
<211>   13973
<212>   DNA
<213>   Artificial Sequence

<400>   3
acctccaaca gcaaccttac aaggctcgta atatgttcgg cattggagaa gattcgttaa 60
tcatgtcggc agacttctca cagcaggagc caaggctcat gactcatatg tctaagtgta 120
aggctcttat tgaagtctat caacaagctc gtgatctata ctctgaaatg gcttcggcaa 180
tctttaacaa gcctattgaa gagtgtgggg atggctccat ctggcgtaaa cgtaccaaag 240
tcgttgtact agcaattatg tatggaatgt ctgcatggtc tctggcagat gctttgggag 300
tgtctaagga cgaaggtcag aagatgattg acgacttctt caaatcttat ccggaagttg 360
accgatggat aaaggataac caagaagagg ttaagaagaa ccgctatgtg gaaacccttt 420
gggggactcg cagacggttt gtgcatgagg atttcagcat ccttaagaag gcttggaatg 480
acttaacccc agaggataag aagactcgtt caatggttaa ccgagcactc cgtcagacaa 540
ctaatttcaa agtccaagga ggagctgctt gccaaactaa acaagtaatc gttgcaatgg 600
ttccgaagtt gcaggagctg tccaaaagac gtggcaagaa gcgttgcttt aatctgcttg 660
cacaggttca cgacgagcta cttttcaaag ttcctgtaga cgttactcca gaggaagttg 720
cagatattga gaacgtcatg attaacacag ttaaattaat tgttccaagc aagactgaca 780
ttgctattgg caaagtctgg ggtaagctta ttgataagga ggagtttttc aatgaacgaa 840
gagattaagc aagagatcgc caagaacttt acgaaggtta acaattatat tatggaagca 900
actaaacgag agatggctaa gacgtgtcag gatggtggtt tcttagacca ctctctgacc 960
gctctggtag ctaagcacga tattgagcag gaagtagaga aacttaccga agcttttgaa 1020
agcatcaggg cagagcatga taagattaag aaacacgact ggatgatgca agactttcga 1080
gacggtggta agccttctgg atatgctttg aaagacttca agaagctgcc caaagaccaa 1140
ttggcaaggg tagcccaact gcaatccagt atgatttatg taatggctga ctggggctat 1200
tacaacagca gtaaggaaga gagacttaac gagattcgca aagatttgga ggacatctac 1260
aatgaagcct aattggaaag actatctgag agccgtaggt aagctggcgg ttgagctagg 1320
gcaagcgcta atcgttttcg ggatattact tctaacgatt ttcttgatta ctaagtatat 1380
gataatcttg cccctatttt gtctgcttgc agttatcgta ctattcgggg atgacttagt 1440
tagagagttt aagtctaatt cccaaatgtt tgcagaagaa cgtcacgaaa aggagaatcc 1500
atctgatgaa gcctaattta aaggactatt tgagagctgt cgggaagttt acctttatac 1560
taatagtgtc agtagctata tttatagctt ttttaggagt tatgtactta tgtatgcgat 1620
atgtaatact tgccgtgata gtttgtttgg gagtggctat agcactagtt ggcggattcg 1680
tagtatcaac agtctacgat atagctaagg gagaagctgc cgaaagagta tatgccagta 1740
ccgttgctac aaactttgga cggttaactt tcgtagaaac tatggagcat atcaatgaaa 1800
tagattctat tgtctacgag gagctgtcaa acttcactcc aaaggaacag attatagtat 1860
tagacggcct ccggaaatcc ccaatcaagg agtttaaagt tagctgttat gcagtctacc 1920
catttggcta tcttgaaaat attgaatggc gcgaggaacc tgaatacatt aagacttacg 1980
atcagattat ggaagacctc cgacttgaca ttgaaagaga tttgtgatat aatgggacag 2040
gtagaggagg tcgctttatt gaataatgta gaaacgattc acgaggctcc attaatatac 2100
aatggaatcc agtcagacaa gtatttcata agcactagag gagtcattcg aaacatcaaa 2160
acgaataagt gtttgactcc tcaagatact ggatacttac atgtacgaat ccctcacgga 2220
gatcagacga ttaatgttag gattcacaga gctgtggcag agactttctt accccgaccg 2280
gaaggctgtg atgtagtcaa tcacaaagat ggcaacaagc agaataacga cgtttccaac 2340
ttagagtggg taagccaatc agaaaacgtt ttgcacagcc ttgaacagcg ttcgggagag 2400
attattctag atgacttcat tgtaacagtc cctgtaagtg gattccgaac gtatcatatt 2460
aaagctgtgt ccaaagaggc cgccaaagaa gttatcaaaa gtggcggcac aactccacgc 2520
tcacagcatt ttgaagagct catcggaaaa gcaactatca tagaatttgg aggattttaa 2580
tacatggcta aaggtttagc agcagttaac aaggcttccg gacagacttt ggcacagaag 2640
atggcaatag actttgcaca ggagcttgat cgcttttgtg ccacaggctt taacacagac 2700
ttacagataa ctaagcaact atattctcag tatataaacg ttcttgacaa caaccccttt 2760
gaagactttc cgaaaggcgt tccattcttc cgttcaagtg gcactggaaa atgtcttcgt 2820
gagcagactc ttcgagcgat tgatgcctta gagtttacta ataatgcaga caagcgttcg 2880
gtaaatcctt ggcagaatcg ttggcagaac atcggtacag ctattggaga catggtgcag 2940
atgtatgtcc taatgatgga gaagcattat gaacgacttg ttggagagcc ttgccacttc 3000
cgtttcgaaa ggactccaga aggctacccg atgttcgaag agttttccac gacgttccaa 3060
gagttcaaga gcggtaagat aaacttcatt accggaggct ctttggacgg cattatgatt 3120

tacactgacc cagagactgg caaagagtat cgggtaggac ttgaggttaa gtctaagcaa 3180
acaacttatg cagcgactgg tcattggtct atgaaggaag ctaactccaa acacgtatgg 3240
caggttacta actatgctat gctaaaagac cttgaccagt atctcattgt ctatgtaaac 3300
gcctctcaca aaggctggaa catgactgag gaagactatg ccaagtaccc agatttccga 3360
gtatttggag tggagactcc agaagagaag aagaaagagg ttcggaatcg tttcttcaca 3420
gctgttgaaa tggctcacga aggagtcttt ccaaagcttt cgctggctga tttccaattc 3480
aatgactaca agacagcctg tgccctaagc cttacttata aggaattaga ggaacttaag 3540
ttagaagctt ctactaagtt tgaaaaagag gctatcaaag agattgagaa gattcgggga 3600
gatgtaaaat gattgaattt gtcaatgaat ttttcaatga gaacccaaat attacttggt 3660
atattatagg agtcttcgca ggttatgggc ttagaagtgt atgggaaaat gtaaggagag 3720
gtgtaaaatg attgagctga taattgaagt agcagctttt gtatttattg cttggtactc 3780
taccaatgta ggaaaactta ttgaaagaat gcgagtatac tcgatcctaa ataacactgt 3840
agataccctc gatgagattt ctgaaaagcc tgcccagtat cgcttaggct atttagcagc 3900
tttagataaa gttggacaag gagtgcataa caaatgacag atacctttta cacaactttc 3960
acgattacct atctaacccc tatctccaat gagtctggag acgacatttt ctatgaaaca 4020
tatagcttcg aagcctcaga aggttttccg gagacgaaga ttgaggagat gttaactgac 4080
ctccttataa atggagcagt aatcattgga acaaccgagg ggctactgta tttaaacaac 4140
cacaacatcg cttctatcat ggttcataag gaggaagatt gatgcgtttc atggcttttg 4200
acatctcatc tgtttcaaca ggtgtagcag tattagacca agaggctaac ggtaatctta 4260
cgttagtctt taccacaaat attattacaa actccaagga taagactggg aagcgccttc 4320
gaatattcgc cgaagagatg acagggcttc tcaatgagtt taaaccagac tttgtaatta 4380
aggagacgac aatctgtcgg atggctactc aatttattaa catgaagttc ttcgcagcct 4440
tcgaactagt cttggaatta gaagggtacc cacgctacta cgagtatggc ccgacgactg 4500
ttaagaaggt tgtcgcaggc tctgggaagt cctctaaagc agacgtagca gaggctatcc 4560
aaatctacac agacgttgat gtatcagata tgacaacaga tgaaaccgat gctattggaa 4620
ttgctcttac tcatattgga aagacttcta tgctcattcc aaaagctgag atcatggctg 4680
ctaaagagtt tgatgaacag cagcaggaag ctatggaggc tgtcggagat gatgtttaaa 4740
atccaatata cagtagcttt catcctatta gtcattgtgg agcttttgca atacttggta 4800
tacatcctag tagcacctgt tgcaacattc gtgcaagagc tctgggagag cctttcagca 4860
tttccttta gagctatcag attcgcttgg aaaagatatt gcacagccat gaaaacagga 4920
gaacttccat cacagacaag gaggacaatt agttgattaa aatagcatta gcaggaactg 4980
cccgagcagg gaaggataca tttgctaacg tcttggaaca agagctttcc aagcagggtt 5040
atgaagttat tcgagtagct tttgcagact acttaaaaga aatctaccag caattctttg 5100
gtcatttagt caacaacgag aagcctcggg atgcttacgt aacccttgga aatgcttttc 5160
gggagattga tataaacttc tggattcgtc cagtagaggc cattagagat tatttggaga 5220
atacagaggg cttcggaaag cctgtagcaa tgattatcac tgacacacgt tactttaacg 5280
aagctctctg ggctagtcaa gaaggcttct tagtagtcaa ggtagatgct gacccactaa 5340
ttcgccaagc tcgtgcagaa gctttgggag agactttgaa attagataat gaaggggatt 5400
ctgaggttga tctcattcag ccggacttaa ctattctaaa taatggagaa gctgatttcc 5460
aagctatgcc agcagttgcc agagcagcta ttgaagagta taaagcgagg tttgggaagg 5520
ttgattagat gccattgtat aatgaatgtg gtttttacag agctattaca gaagctgaga 5580
cagcagggca gtgtgccttg catctcaaac gctttgtgac agttgtccta agacgtagta 5640
aacttccagc agaagtcaga gggctgtttg tagaagaggc ctacgagctg tttcataagc 5700
tttgggggga agaggttcca gataccttag ctcatgcctt aagcaccttc tacatgcagg 5760
acgatactac tggagggctt tctggagaca ataagtatgc taagtgtagc agctttgagt 5820
atagtttcta ctcttatcga aaagagaagc ggatagccac cgaagactat ttcctagaat 5880
cggaatttag tcctatgata gagaactcca aagtctatgg agactacatg gttgaccaag 5940
actactggat ttggcttgaa gaagttattg acagaagcaa ccttcgacct gatgaagaat 6000
acgtcttccg gaagaatgtt ttggaaggca tctccctcag aaagttggaa ggatacaacg 6060
gactttccaa aagcactctt ggcagacgtt tgaaagatgc tcgcaagaag tttaccaaag 6120
cagttacaaa gtatggtaaa gaggcaggat aacccctgtc tttttatttt gcaaaaactg 6180
ttgacaggtt tcaaaagtca tggtatgatt aattcataag ttaacagaga ggatgttgaa 6240
tatgactttt aaagtaggcg ataaagtaag atgtattcga gggagtttat ttaatgagat 6300
tcaagtagac gaagtatata ctgttagtaa agtaaccact tccgatacag gcaaggagtt 6360
gattgaacta gaagaggatt ttaatggagc ttggcttgct gaaagattcg tgattcacta 6420
tggagaagat aattctccag acagctttaa tattaatctg ggaatagttt atggaatcct 6480
ttataacagt attaaagata ctgacgaaga cttgtggatg attgcagaaa atattgcaga 6540
agctttgggg aaggaaggtt ggaaagcatg atgaagcggt atgaagtaat ctattaccta 6600
gactttgaaa gcactccacg aagttatgta gtcctagccc acagccctga agaagctgtc 6660
ggaaagactt gttggagaga acgtgggaaa gctgtccgag tagatattgt gaatgaagtt 6720
taaggaggaa ttggaatgag ttacgcagac aaccttgcga atactttctg gaagaatgtt 6780
gacactcttc ggaaagctta tggaatgacg tggaacgaca tatatgagag tggactagct 6840
tcaaaaatgt ttaaagctaa gacccctcca actatgaagc ggatggcctc tattgcagag 6900
attcttcaca cgactgtacc agagctgttg gacgacagcc ttcatgaaac tcctactgag 6960
catctttata ttgtaactat tggagaatgg gctctgacac gcttaacaaa aggccaagca 7020

```
acgtttacaa agaattgggc aacagagcct ctggcgtttt tcagagactt tgatgatgct  7080
tataatgcta ctaaagagtt ccctgctgcg gaggtggaag tgtggagtta agtgttttta  7140
ccaaagaaga gttggatgtt attagggctt tggtacagcg ttctatagat catgcagtag  7200
ctgcgagaat tcctttggaa ggatcggctc tgtcgccaca gcttttgtca gagctgtacg  7260
caactaatac caaaacgcta ttgacaatgt attccattag tagtaaaata gacttattga  7320
aaggggagga ataaatatgg aacagattat tttaaagagt gcaggaggat tctccacaat  7380
acaggttgac caattaacta aaggaaaatc cgtagatatt actctcagag atagtgagaa  7440
atctaaatgt ggagtctata attgggagga agtcaaacag ttcgtccgag agctatcaga  7500
actccttgga ctaactatta caaaagatat gtccaaagaa gagccgtata ttcttccgga  7560
cgagcttgtg gaaaagctta aatatgagct tagcaagaat cagccagact cagatcaatt  7620
tatctgggaa gcttgtacag aagattctga tacagttatt ggcaactggg tacaagaaac  7680
ggacaacgcc attgaacagc tatggagcat cttccaagga catccctttg aggctgagaa  7740
gttttatgtt ttaagagaca gtgatgacga ctatttgaga agctatacaa tagcatcgga  7800
tggcactgct gagggagacc ttactatgta tcctagcaat gctgttaaat tttctgctaa  7860
agaagatgca gaagctgtgc aaaggctttt gaaagactac cgcttcaata ttggacggta  7920
ttaggaggag atattatgca aagatatgta cgtttgttga ataatggagg gtacccagat  7980
attgaccagt atgtcggaaa agttttccca gttccttggg atagttacaa cctagttgag  8040
gtaaaacttc cggatgaggt gtcacgattt tttagcatat ctgatggaga ggccgagtac  8100
gtagaacatc cagaagcttc cctagacgtt gctttaagta attttatgga gcagtcggat  8160
gagcttatca gagcccttga agagacccaa gcagtgttaa aggccgctca gcaggggaca  8220
aaggagccta aagtaggaga ttttgtaaag attaagtcca aggataattt ggagatatct  8280
accaaactat atacaagtcg ttgtggctac gttggaaaga ttgtaaaggt aagtaacagc  8340
ctagcagata gtcgtaaagt atttactgta aaatttccac aagcttcttt ctcttttctg  8400
gagttcgacc tcgatcacta tgaggcaaaa ttttacgaaa gcgagtttac agttgtgcca  8460
gaaggtacgg aaggcttaca gggagtccag ccatctattg gagtatttgg aataaagtcg  8520
gatctaaaaa ctctaacaaa tattcccgaa gaatgtgtta gtatgacagg agaattttac  8580
acagaatttt tggatggaaa tgtaacaatt acagaataat ttttttgaca gttgccgaag  8640
ggtagctgtc ttttatttttt gccaagaaat ttggaggcag atttttcaaa atatttttct  8700
aagttaaggg atatttttaa aattattttt ctaggaatgg agtaaatttt taaaaatttt  8760
ttcctttaat ttttcaaatt atttcaataa actcttaaaa tagcgctata acagcttttt  8820
aacgtcgtca gaggaacatt ctaagcacgt ttcagatcaa agattgggca atcatccatt  8880
aaaaatactc tgacagcctt tcaattagcc tccataataa aaacttacca cgtcttggca  8940
aagcttttgc cacagctgtc aataagactc catcaattag cacaaagcta ttcaaaaagc  9000
ttatattcat cctcaaaata acatttaact aattgagttc cccagaattt tataacagtc  9060
ccccgggatt tttaataaaa atcacttaaa acatcatgac aggcgtacga ggtttccggc  9120
agctgtccac aggctgcacc ccgggatttt taacagtttt cacttaaaac gtcatagcat  9180
atacacaaca ttatcaaggc ttttccacag cttttaggct tcttttggac gacttttgaa  9240
caagatcagg aagaagtctc gctgaaagtt ttctactata taaggcgact tttttgacag  9300
ctttcgaaaa ataaaataaa aaactttagg taaagctatt gcaatttaaa aaacgccgtg  9360
gtatattggt atcaagttaa gagaaaggaa gttgaaaaac atgaaagaaa gaatctttaa  9420
ttttgaatat ttgacacaag aggagaacga agcggtaact aatcactatc gatggtgtaa  9480
aaaagcaatg aatagaaatt tgataacgtc tagcgaagct cagtttatat ttactgaaaa  9540
aatgatcgaa gattacaggg aaaaagcctt tggaatttgt acgaacgttc caatgtttac  9600
cgaggaggta gcaaaatgac ttataacatt tatacaaacg acaattttta tgctacttgt  9660
ggaagtctga cggctgttta tagtcttgtg gctagtcttg aaaagtatat ttcaaaggat  9720
aaaataaaag tgttgacagt catttgagaa tttgataagc ttatgacgag atcaagaaag  9780
gatgtgggaa aatggttgtt tcatggttga ttctagcgcc tgtatgtgtc gtggcaagcg  9840
cacttgcttt tgttgcttgg ttagatgatt aaaaagtttt tacaaaacac tttacaaaca  9900
tatttcaaag cagcattata agactacaaa taaaattatt ggaggaatta caaaatgaac  9960
gaacaaaaac attatatcac agtcggagaa atcttagaaa ctatggaaga aagctttggg 10020
ctgtctgatt gggaaactgt caaaaaggaa cttgaaacaa tgcaaagccc tatcaatttt 10080
acaggaaaaa cagcgccaac tttgagcaaa gatcactttg ggcgtatctc tttgttaagc 10140
tttttcaatg aattggaata tgctggcgaa tggttaaccg ttgacgaatt gaaagactat 10200
ttcaacgaat tagaaaacga ttggggaggc gtttcttggt atgaatatgg tgccgacaat 10260
acttacaatt attgtggcta ccttgaaaga gatttaaact ttattatcta tgagaatgat 10320
tgcacagaag aaactctagt tttctttgct gtccatattg gcatagacgt gcgagcaggc 10380
tatacaaaat actttgcgat gaaattcgac aacctttaca aatttcaaga aaagctgtct 10440
gaacgctttg agcttgcttt cttagaatat aaggacagcg acggagacat tcaaggggta 10500
tccctatatg gttcagctac gagtgaattc attaacggtt atttcagata tgatgataaa 10560
gacttcgaag aatgtctcga catatacgac aaagaaacag ctatcgaaag cctaaccgag 10620
tttatgaaag agcaagaaat tgatttcatt gagggatctt tggaggttgt cgactaatgg 10680
ttaaaaacga atataaaagc atgtatgaag ccgaaaaaga gaagcaagca aatagcctcg 10740
tgaataagtc tttcaaacga ggcttcacaa ctattaacaa cttgaaacgt tctttagttt 10800
tagcaaagac ttcgcaagaa gcattacaag gcttgtcaac agattcaaaa agctattccg 10860
aaactatgac gatgctcgag gacaatcttt tgaaagcttc gtcacttatg ttgagtgtag 10920
```

agctagattt tagaaacatt catcataatt ttaagaaagg gagtgaatga cttgctacct 10980
atcttgtggg cggtttttgg tatagctgtc tggactactc ttaaaaaagc ttgccaaaaa 11040
ctttctgact acttagaaaa gcgaaaggat aaacaatttc aaaaaagact tgaaaaacaa 11100
tttaagaaag cttataataa agtcacaggc agaggcttgc tcgaaacata tcgaagaggg 11160
aagctatcca taaataacct agcgttactt ttggaggctg tcaaagaagt tgatccatta 11220
ctctatgacg acgttgtgag aaagctttct gatatgatta ggaaagaaga aataaggaaa 11280
ggacttgcaa agcctagtga gctgatagag acacctaatt tttttggaga cgattcagat 11340
gatgatttga taacacttga taaagattta tagaaaggag attgcgaaat gttagaatcg 11400
tttattttca tagctgttgc attaatcgga ggtagctttt gcacaatccg cgcgatgaaa 11460
caattagacg aaattacaaa agaagcagaa agttttaaat aaactattga aattgtaaaa 11520
aagctatgct acactataga aaagaaattg aaaggatgat aaaaatgaaa ttctcacaaa 11580
aacattacgc tatggtggag gaaagcattg gcgcttttga ccgtgcaaaa cttatacaat 11640
ataaaagtca gttgtcagaa aaggtaaaaa gaaaagaaat agtggtaaac agttttgaag 11700
ttagatttat ttttgacgtt tattatgctt gtgtaccgct accaattaga ctgcaaatca 11760
gtgaagaagg aaattacaag gataaccata ttaaaaccgc cgtaaaaacg gctttacaga 11820
aattagatat cttataactt ttcaatagaa ctataaaact tttggaggca tacaaaatga 11880
aactaaaaaa ctttacaatt acaatgttaa caattatcac agttttgaat ataacttttc 11940
tcataggtaa aaaagcttat gagaaaggct atcaagaagc ttcggaagct aacaaagtca 12000
acaatgagct tctcgcagaa gcagaagata ctatcgaaag caaccgcaac acgatcgcag 12060
atctcaataa aaagctagac tcttatgcaa ctatcaaagc agactttgtc attgttgaaa 12120
gcgacacgaa aaagttgtac atttatccga tcgacaatga taagaaaact attcagactt 12180
tcaaagttga cgagggaata ggcatagaag ctgtcaacaa ataatcgaac agatttagaa 12240
aggctacttc ataattggag tagcttttta attattaaga aaaggttaag aatctatctg 12300
ttatctatca ttttgaaagc tatcagaaaa gctgataaat aagcttgtag atatcttgtc 12360
tatacaagtt gtacgttatg cttcagagag cgtgggactt aacttttta aaagggtatc 12420
tgttatgtaa gtaacagatt ataataagct attacagaag ctactccatt atctaataag 12480
aagcatactt ctagaagcct ttgcaaaagc ttcccaaggc tttccaaagc ttaggcaagt 12540
aactatcaat agcttatcct aaagctatca gaaagcctgt caagaagctt atcctaacaa 12600
ctaattaaat agataaaaga gaagttgcac cattgattgg agtagcttct ttttatatcc 12660
tcttaaatag ctcacgagaa gctctctcag acgtttcatt atagaatggt aacctactat 12720
tagcctatca tttggggagc gtagatgaga atatacaagg catatttgag aagcctattc 12780
tagcaactat tataggcgtt actcaagaag ctattctgga acgtggttca caactatccg 12840
agtagctgtt acgctaactg tttgtgagtc tttctgatcg cctgataata gcttataatg 12900
gagcgtgttg catggcgttc gataggctgt caagcacctt gccacagctg tcagactaca 12960
gtcaatcagt caaacataaa cgtaaaacct atatagagac gtcgaccaac tgccgaccag 13020
ctgttgatag tcttatggag tggcttctgt aggctatcga acggctgttc gcatatctat 13080
tgatctagtt tacataatgt gtattataca aagttgacaa gacacattga ctcaactgtt 13140
cgacagtctc gacacacgtt gaccgacgac cgaccgacga gacacacgac agactcacga 13200
acagctgacg taataggcta tctgacaggc ttcccaaggc gtgccagcta cgttgacccc 13260
agcaagggag ggggtcttgc cacagctgac cgaaggcgcg cgcactgtta gcctctgaca 13320
acttttgcaa gtttccgtgt gaggctgtcc gatttatttt ttctggagtt tcctaatagg 13380
ctgtccgaca gctgccgaca gactccgaaa acggctggcc aattttattt tttgcagttt 13440
tcctaataag gcttccgaca gctgttacaa tcacacgcac gataagctgt ttggttagtt 13500
tatccataac tccatacaga acaaaataag ccgccctccg acaagctgtc aaaaggtggc 13560
tcatataagt attatggagg cttaggcaaa gctccagtag aggcctttgt gagtcttttg 13620
gcgaccgtta cagcaatctc ttatacgtcg agggataaac cctttattac cagcctctgt 13680
gacgcttttg aaggtgtgaa ctatgtttcc ttctgaatcc tttgcaataa ctggtttgga 13740
ctgctttttt gccctccgtt gcctagccgt tccgtgtaag ttattatacc gataggtaca 13800
ccattcgagg ttgatgacac agttgttaag cttatcttcg tctatgtgat tgactattgg 13860
aaagttgtta gggtttgggc aaaaagtctc tgcaataagc ctgtgcattt tatgcggcat 13920
cctattcata tatacaacct tatatcctcc aatgttcacg taacctaagc gct   13973

<210> 4
<211> 10503
<212> DNA
<213> Artificial Sequence

<400> 4
ttgaaaggct tcgaaaacgg tcagcaagaa actggcacaa tcgacatttc tgacgaggat 60
attccattct aagaggggcg caagcctctc ctagtcttat taggaggaac tatggatact 120
attaaaatga ctacagaaga gcaactagca ttagttgatt tcatggctat ctacaatcta 180
ctagggcaac tagcacaggg agacttcgtt aactatgacg acactgcgac ggctatccga 240
atccacgaca acatgcgtgt gattgagtct gtattggaac atgccgaaga ctcagtagag 300
ttcaaagatg tccgcaagca tttgctaaac ctttcagacg tcttggtaac acgctggaaa 360
cacttcttac ccgaagctga cctagcagct atcgaagagt ctaccgataa gttccgtgca 420

aaagctattg agcgacttgt ggagaacgga ctttcagaag aagaagctca attagctgta 480
ggtaaaattg gtctgaacgg aggaaactag atggcagttg ttggagtgat cttactaatc 540
atcttagtag cctttctggc agctttggca ggggctatgt gggtgctatg ggcaatcgtt 600
catttggctt ccgttactat tgacgaagct gacgaggagc ctttcaaaaa ggtgctagat 660
ttattagaag atgctattga aaaatattat cgagcaaaat ttggcaacga ccttgactca 720
gtagaattag tcatggacgt aacctacaat catggagagg atgaagacta tgagcaagtt 780
tagttatata gccggctacc tccatggcaa caatgtttac cagacgttgt ccgagtttta 840
cttagatgac gtgcacatag aatcgacaaa gtatattgga ggcctcccta caaaagagtt 900
gtttaccgca gctcttacgg aggctgcccg agaagctgct tacgatgttg tggcagaggc 960
tgctgacaac ttccacaaag acattgtagt gtatgcgcac atagtatatc aaggggctctg 1020
cgtagagttc cataaagagt ataacttaca cgacttcatt gacttcgaag acatgagcga 1080
aacagttgag aacgaccttg ctaactgggc tgtgatgaag tttggcacag ttattgcaca 1140
gcttccggag atgattatca atggactata gcagactata cgtgggcgac aaagttttgt 1200
accaaggaac tacctgtgct aacacagtga ctaagggaaa gacttacgaa gtagtccgct 1260
tgacaactaa gccaaagcat ggtatcatta tagatgattc aggaaacgat aagctcattc 1320
agatgggcta tctgtttgca aagattggag gaagctaatg aagtacgata ctaacaaaga 1380
gatcaatgaa acagccgatg ctgctaaacc tattctagaa gagttagaaa ttgatcttaa 1440
agaggacgag tacgttatcg tacagcctta tggagatggc aatgctatta tcattcgagt 1500
ggttgaggaa gaggatggta gaactattaa agtagaagta tctgactcag ttgttgtgct 1560
acctgctaaa gatggtttac tggatgtatt cgcctaagat tggatgaaga tgaatgaagc 1620
gatcattaat catttgggta gaagacgttg gcacattaaa gttcgagaat gtccaagact 1680
tttccgacta caaagaagta atcaatttca cttatgatgg agtatctact aatgagacta 1740
gggcagcaac cttcaacaag tctaaattag ttggatacgc ctttacaaag gagggaaata 1800
aacatgttag aaactgttga aaaacgtatc gctgagcttc ttgcggagac cggcaaagag 1860
gttacagact tgcaagtaac tgttgaacat ggagttgaga agcctgactt caaaggcgac 1920
atgtacgtag cccaagcaaa gcttgatggg gaatctactc cattagctaa gtggacagtt 1980
ggcgacaact tcaaagacga ccccgatatg gtagagcctt tggcacgaaa cctagttgac 2040
cgtatgttgg aagactatgg ggtggaagaa gagtaactag caatgagccc actggaagct 2100
cctgacgagg ttcttcaaaa agagcaagcc caacagctca cagaggttga acggctgctc 2160
cagtcatctt tttgggcttt gggatggacg agtctacgag atggctcaag tgcacgaacc 2220
atatagtagc acgtaagtgg aagctgttgg tagggcggat tgcctcagtg tgtttggaag 2280
gctgaggaac aagcttctgc aagggtttat gggagatacg cttcggagaa atcttccaga 2340
atattggctt agacttagag agtagctttc cgaagagtga atgagtcgaa aaagaacgga 2400
ctaggaagcc ctgccgaagt ccttcgaaac ctgtcactag ccgtgaatag tttgttgact 2460
gtcttgtcac agtccgtgtt tctggaggct gaggatactc ccctatccaa ggcctttgga 2520
ctcacagaaa tacctttacc atttcattta accaactcct tacgaaaaca aatccaagaa 2580
gagaaggaca gtcttgccag aggctgtctt tttgtttata taaaagcttg acaagaggct 2640
gactaagtgg tatgataggt ttatcaaagt tatggaggtt agctatgtac aaagtatact 2700
atatcacttg gaaaggtgcc catgacgttt tctggctctg tgcaaacagc caagaagaag 2760
ctgcttggat agcttctacg atccaaggtg tcggagagat tgaaaaaatt attaaggagg 2820
agaattgata tgaaacttttt ggaaaacttg aaacatgaat gcgtagaggc tcaggcagta 2880
ctccctaatt actatgaaga tgagccaatg cttacttggg aatccgttga agaagctaac 2940
cggaagattg acttcacttt aggagaagct gtcagaaact gggcaaatac ttttgctgac 3000
caatttccag agcagtgggc agagcatgac gagtatgctt atcgaatgct gtttggagag 3060
tctctgatgg cattgcctta cgaactagat ggctgcgatt gtgatttcga ggaggaagaa 3120
taatgaaggt caaagagctt gcagaagtta tctacccaaa tacttcactg tacattgacg 3180
gtgtttctaa tgcagctggg aataccttta tgaaactata ctccatcgag tatctcgttg 3240
agcattatgg agaacgtctc gttgaagaga ttgaaacaga acacgactat gatgccagct 3300
ttttatatat tacattgaag gaggaagaat agatgttaga tatgcgtgta gaagattatc 3360
gaattagctc agacggcaac caagtaatcg tggaaagggc tcgttggaca gactctggag 3420
agatttccat gctaactgat aagaagactg gcgaaaaatt tgagtcacgg tctcttgttg 3480
gctattacca aaacttgtcg aaggctctgg taggtatcca aagagactgg gtactatcta 3540
ataacggaca ttccatcaaa actatccaag actataagaa ggctatcgac gacattacaa 3600
aagctttcga agagtcagta aacttagggg aggaatttta atggatgcca aattaagaga 3660
gttccatgca gcctattgtg cagcttacga taagctttcc acagctgatg aaaagctttc 3720
agatgctaga aggtactcag agctttatgt aagcagtgta ggtaactttc cagaagcctc 3780
actaaccctg tcaggagatt actctgatga tagagtatta aaaatacctc gcaacttact 3840
tgcagaaact gttgcagagt atatctcgct tttagcagat gaagtagacg aagccgaagg 3900
agagttacag gatttaatta acagcatgaa ggaggacgaa agatgagctt tgaagtaaaa 3960
gcttggttaa atcttaatgg aggggatgac atagaaatgt ctgtgcaggt tcccaacaat 4020
gctactgacg agcagattga cgaggctgtc aaaaatgaaa tcattgcaca tctcgactgg 4080
ggttgggaag acccttatga agagccttat gaggacacct atccatgtgg ctgttgcatg 4140
tgctgtggtt gtagttgcga ttttgagtac gaggacatgt ggatagacga agactgggag 4200
gacgagtaaa tgctatttaa agctaaacca aaagcttctg cactggaatc gacagcctat 4260
tcctaccatt atggagagtg gaatttccct atagatgctg acggatatat tcatggatgg 4320

```
tatgttgatg ggtatattgt aggagctatc gaagagtcta ccgaagagta tattgcgcca  4380
gaattctggt gccctattga gaaagacact ttggaaattg atttagaggc tatctcaaaa  4440
attgctagag gagaggttga agggactgag cacatagata agcttttagc cctcgatgaa  4500
cttattccac atgttcttta tttagacaga tacaaggagg acgaataaat gtggacatgg  4560
ttttggaaga actctaatac agagacttac agtaaatacg gactccatgg ttcattcatt  4620
ggagaccctc ctcgagtagc tgtgggagat gtttatacaa gagtagatgg atatgctcca  4680
ttaaattata ttgtcacagc tattgacaaa gagcgacaat tagttaaaat ggaattaaac  4740
gcaagataat ggaggaaatc tttaatggaa gaattatgga agccagtggt tggctatgag  4800
ggtaagtatg aagttagcag ctttggtaga gtcatgagct tgaattacag caagcaggga  4860
gagccagcta tccgaaaact atctttagat aaagacggtt atctaaacgt taccctctat  4920
tctcttggaa aacctaagac gcttaaagtc catagattgg tggcacaggc attccttgaa  4980
aacaatagta atcttcctga aataaaccac attgatgaaa ataagtcaaa caaccatgta  5040
gagaatcttg agtggtgctc taggtcttac aatatcagct atggtcaagg tagcatacag  5100
agggcactgt ctaaatgtcg tcaggtagag gctgttgaca gctcagggat ccgtcgccat  5160
ttatttaaaa gtacccaaga ggcaggaaga aacggattta cacaatcgtc agtggctgct  5220
tgttgtagac atgagcagtc tcatcacaaa ggttttattt ggaggtatat tgatgacact  5280
agataagata caccttacca aggaaattct tgtactcatt gacatacctg agtacctaca  5340
gagatatgat tgctgggaga acgctaaatt cacagacgag cgactaatct gctccagtcc  5400
ttttcgaccg gactcttcgc caagcttctt tgtaaacttt aacaatgagt ttgcagggac  5460
ttggggagac tctggtagtg gagattccgg aaactttata aagcttgtat cactactcga  5520
cgaaacaggc tatgaagaag ctttggacaa gcttcgggac gagtttatgt taggggctta  5580
tgacactcca cagataagcg ttggggtaac tgcttcccag agtcgtgata gcttccggaa  5640
agtcccttgg aataagtctt tgtatctact ttcccgaggt atttcagaag ctactcaaga  5700
agcctatgag acatctgagg gagacgactt tataaggctt ccgtatgttg atggagtagg  5760
agaatggaga gctattaagt atcgtaaaac attctctaaa gacttcttct atgaagctgg  5820
taacaatcat atcaaagatt tggtattcgg ccatcgagtt atttacaaag agaatccaac  5880
aactcttgca atttgcgaag ctgagatcga tgctatgaca gcttatgaaa tgggatatgt  5940
cggaataagt cttggttcag ctaacttgag cgactctcag ataaagctta ttcataagtt  6000
cggagtagat aatattctga tagctacgga caatgactcc aaaggtaaca tggctgctga  6060
ggatattcgc aaggcctttg caaagactca taacgtttat agggcaaatc ttccgaatgg  6120
agaagacttg aacggatact ggcagaagaa ccactccaaa ttaaaatgga taaagctgtc  6180
agaaagcaac ttactaaact ttcgaaaggt gtggttttga tgatttttaa aacgattact  6240
tccacagata caatggggag cgagattgaa gagaatatcc aactaactta ctcgccttct  6300
aaaaacagaa tccagttgga gcttagttat gaagaccttg aggaggatgc ttcatactac  6360
atggaagatt atattaaact aactaaggaa gatgctttga aacttattga aagcttgcaa  6420
gagttagtta aagagatgga ggacgaataa tgttaaaacg aatatatagt aggcttgacc  6480
cagatgagtt tatagaatta gaaaccatat caggaaccta ccttactgtt gaatcaatgt  6540
atcatccaaa ccacgactac tctggaagga caggagaggc gcatactttg aacaactttg  6600
tatcactaga caaacatgag gtcagaacac tcattggaag tctgcaagaa atgcttaaag  6660
agatggagga atcagagtgg atataaaagc aactgtatat ttaaaatcag gtggagatac  6720
tagcatgata atttatgata ctacattaga agagcaggat aagcaatatt caaaattctt  6780
tgagaagggt attgaaaata atattatatg ccaccaaacc aattccgagg ttatattcat  6840
tccagtttct aatattgcat gtctaagctt aaaagagctg cctaaataaa ctttctgaga  6900
ggccttgaca aggcttcttt tttatgctat tcttaatgag tagaaaagcc actaaaggag  6960
ttgctaaatt gaagaaatca accttactta aaaaactgat attagagact ggcaaaactg  7020
aggaacaagt taagcaaacg ctatctcaca tccacctcca gttattcggg ctgtctggag  7080
agagtggcaa gttcggctct gctaagatac ctctggaata caatgactta ttcttattca  7140
atagccctgc caaggatgct cagccagcta cttacgagct tttggaaagc tatgttaaga  7200
gtttccggag atactttgcc aatccggaag aggaatctat caagaatctt tacttgtgga  7260
gtccagagaa aggcaacgga aagacttcca cagctgcggc actgcttaac gaatatatgt  7320
tcacagcatg gaaagcttcg gtaaagctta aggcaactat tccacagcct cctgcatact  7380
ttctagatgt taacagccta cagactttgt ataaccgttt cactcgtcaa ggagtttcct  7440
atgacgttac agaagaagcc tccagaaaat actatgctga gatggatgtt gcaaaggctg  7500
ctccaatgct tgtggcagat gacataggag ttcgatcagc tacagaggcg tttcgggcag  7560
acttgcatga aattatcaat tacagaatgg ttaaaggact tccgacaatc tacacaagca  7620
accttccact agttgatatg gagcaagtct ttgatgaacg tctttatgat aggatgcgtg  7680
ataagactgt tatgattagg tttgagggag actctaaacg tggggtcaag aataagtcca  7740
ctaaggaggc taaataatgg ctagaaacgt tacaggagag ttgctacttt caaaggttat  7800
taacgagaat gatgttgcag cactcaaccg ccacggaata tccagagaga tgtttccggt  7860
agcttccgaa agagatgctt acgattttat tatacactat tcaagaacta acgagggtaa  7920
cgcacctagc tttgcaacag ttattgacaa tgttccggaa ttcgactaca ttccaaatac  7980
ggaagactct tttacatatc tgtcgaaaga gcttaagaag aagaagttcc aagtcgagca  8040
agctaacttc attaataata agctatcaga attatggaat gaagctgata aagctaacga  8100
tccggaagga tttgccaacg acattattaa agctttcgag gagatgaaac actccaacag  8160
aatatctgga aaagctggcc atcttttaga acacgctggg gactggtatt tggaagagtt  8220
```

```
ctacaagcgt aaggaaggca agtctatccg cttttggaag agtcattttg aaggacttaa  8280
cgacatcatc ggaggaggtt accaagagtc taatatgatt acttggtatg gccgttctgg  8340
tagaggtaag tccacgatca cacttatgga aggacttgag gcagcttatc aaggagctaa  8400
tgtattattc tgggtgcttg agatgcctaa gtatgagttc gccagtcgtg ccctaagctt  8460
tatctcagct aaggaaaagc ttaagaattc agttattgat ggagttgact acttggcagg  8520
gtttagcgta tacgacttga caaaagcttc tttcaaaact gttgacgagg aacagtcgtt  8580
cgtagacttt gtaatgaagt tgaacacagt cttagaaggc tcaattacaa ttcgtgctat  8640
agatgatgaa gactttattg atcgctctgt gagagctttg gaaagagaca ttgtagagag  8700
tgaagcagat gttgtgatcg ttgacccagc ttactacatg gactacgaga agaatacttc  8760
taaaactaac ggaggagatg ccgcagctac ttccaaagct cttcgaaagc ttgccggacg  8820
tacaaaagtt gttatgcacg ttattacaca ggctgaggaa gatgactccg agaagcgtgg  8880
cgatgagcgt gagctaaaca ttccaaagcg tagccaagtt aagaagacaa aagccttgct  8940
ggaagatgca gctattgtac tagctttcga cagttgtgac ggaatctttg gactagaagt  9000
ttccaaagga cgttccggag gagaaggaga aggcatagaa ggaatcttct taccttccat  9060
tggatatatt gaagagaaca gtcaacaggt cgtcgaagag ttgtttgcag atgatataga  9120
attttaagga ggtagaaaga tggcagctat tatacagttt tcagacggaa ccttccacgg  9180
cggagggaca gttaacatta agccagtaaa agaggcggaa cgagccaagt catatgttag  9240
tgttaaaaag gctaaggcag ctctccgaag tcttaatggt acctataagg atagatggaa  9300
tgagcagatc gaaggagcta ttgtgtggga agttgagtat atctttgtaa aggggtacaa  9360
atatgaaagc agttgagaat ctacttttg taacaacctt tgccaacaat tggtcagtca  9420
gtgtagccag agttgatgat ggagagtacc gatggagcgt acgttacacc aacccaaaag  9480
gttactcagt ttacaacatg tatgaaacgg attcggaagt ctttttagag ctggctaaag  9540
tacagaaata tgaggaggac gaataatggt agaatttatg ttagagctat gggcttggag  9600
caagtttttt gaatgggctt ttggagcagt cgtggtagta gttttcgtag tagctttgtt  9660
agtatattgg ggaatccatt cgtacaagct tcgaaaaata aataagaaat agtattgaca  9720
attcctctga ttgatgttat gattaattca taagttgatt ggaggaattt taaatgacat  9780
atgcacaacg tatgaaaaca ttctacaagg ctcatgaaaa cgacttggcc ttgattggta  9840
acaaaatata agcacataac ttccaagtag tctatgacaa agactccgga gagtttctga  9900
aagtccctac gaaagtctct ttcgcagctt gcaaaaataa ggcatgcaaa ctgtgtaagg  9960
agattgctga gctaggtaag atagctgatg aagtagctca tgccagaatc attagcagag  10020
gctgggagaa ggcttctata tactccattg cacgtcttgc ggatactgga atgaacttaa  10080
atgacattgc agatgcttta gaaacgactc cagaagttat ccgaggactg attaaggacg  10140
acattgaatc tgagggatgg tctatggagg atgttgtacg actattcaga acgactttcc  10200
aagtctctac aacagttatg tatgagctaa ttccatatac tgcggaagac gttcggaaag  10260
ctattttaat aaacggtaaa aagcttacta cactgactgg taagccacta catttagagg  10320
aggaagaagg atgaataaat accatatata ctaccgttta attgagtcac agttcactga  10380
ttactgcgta gtagtgacta attctattca gtctgcaatt gacaatgctc tggagaacat  10440
accaatttat gaccacgtta aattatccga aattgatatt tgtcacgttg agaaagtgga  10500
gga                                                                10503
```

<210> 5
<211> 8553
<212> DNA
<213> Artificial Sequence

<400> 5

```
cttcttgcac ggaataatgg tctactcata agaatcctcc tagatgttaa ttttcataag  60
cttatccaac atcctgtccg tatactcttc caaagctggt ataaagtttg ggtagttacg  120
ttcgacgatt ggagcatagc ctctgtgtcc tttagggttt ccagagacgt ttgatttaac  180
tattccatat gagatacgcc ctcctctgga gacttttgtc tcagcctcta aattgctaat  240
caaagtagac gtatcaatgt tgtcatgagc gtggatgtta tacttaacag cttgtctcat  300
ctggtgggta tttgtgtcca tagctctctc agtctcatcc aaccagtcgt cgataagttt  360
gtcgaagtta atcttcttga tgatgtctat tcgtaccctt cccatatagt accatcctcc  420
ttagtacgtc tatagtctcg gtactcaact aggtaagaga ctgtttggtt aactccagtg  480
gtattatttt catagatgtt atacaccttg ccagtggagt ggaatcttac cgcatcaatt  540
actaagtctt tcaactcgta tatcttatgc tgtacccgat accttggaag ccattggaca  600
tcttggttca taagtagctt ctggtctgtg gccatgcttc cgacagcggc aggaatccct  660
ctagcaacta tggtaggcgt tgggataatc gttccgaagt cgtcgtcggt atcagtaaag  720
tcgttatact ggataaggtc aatgatttca ttaatcttca tatcacatca tcctaaactt  780
tctacccttg tatgtgccgt tgttatcagc ccatgcgtgg agagttgaca tccagtttaa  840
atagatgtcg tctttgtagt cgtaacgagt gatgtcagta gactctgttt taagtccttc  900
agagttcaga ctggacaacc ttgcggcagt tagttcatcg gctatgtaat caagctccat  960
tgggaatttg gttacctcga cgttgataac ttggcagata tgctgtctgg cacgtttctt  1020
aaggactttc agcaagttgt ctcgaataga cgagttgaag tagcctagca taagcttgat  1080
ttcggatata tcaatagctt ctacatctgg aggaaggtcg gcttgttgat aggcgttgaa  1140
```

```
agcatctaat aaagcttttt gctcttccat aatgacctcc tataaaaaag aggctaggga  1200
ttctttccct aacccccttgt tagtcttact ccgctgctgg agatactgtt acagcaattt  1260
tagcagttac tccagaaccg tctttagcag ttgcggtaat gtcagttgta ccctcagcta  1320
ctggatgaac ttttccccca acatatgttg cagctgctgg gttagttgat tcaatagtca  1380
actctttatt cgtagcatta gctggtgcaa cagcgaatga aactgctcgg tcagcatctc  1440
ctactttaat tgacatagtt tgctgagaag gtgtgatacc agttactttc tgatctgctg  1500
tagtgacttt aaaagtagcc ttcgcagact ctgtaccgtt atctactcta gatactccaa  1560
aagtatattc ggtagctggg tctaagccgt ctactgtgta agtcttttcc gcaacgtcag  1620
aagcaatctt ctctgaacct ttgtaaatgt tgtaagtaat tgccacggtt agtttccccc  1680
ttccctattc ccaagacaac gtcacactag gggcagtgac gtcgcttgag ctaagatttt  1740
ggggcgcatt agggtgtaac agttcctttg atgtaaacta ctttcgtagt atcttgaacg  1800
tatgttacgt agtgttggtc agcggagata gtcgtttgac gtttgaaacc ttcacggatt  1860
gtttctacgt tgtagccacg tttcataata agtttcaatg caccacgttt gataacgaat  1920
gcttcgtcgt tagcaagctt gttagagatt acgatacgca taccgaacaa ctctcccaat  1980
tctcctgtga tgatcttacg tccttggtca atgtgaacga agtctccaga tttcaagatg  2040
ttagcacgac tcttaggaga gatgaacaag aatgtttcat cgtcgaactc ttctccaaaa  2100
gctacttgag catccaatac ccatccgtaa ccagctgggt caatcttaac atcagtcgat  2160
ggagtcaaag ctttaatctt atccacaaag tcgttgtcga ttttgcttgc gattgctaaa  2220
gctaactgac gtacagtttc attgacaggt tgtgtataag ctgatagaac agcctcgtcc  2280
gtcaatgtaa cacctttaac aacttttta acagttgctg tagaagatgt tgcagtcaat  2340
ttaactgggt cgaacgctac accttccgct acgtcgtcag cttctccgat gaagttccat  2400
tgaggtactg tcaaagtatc gcctggctga ttgactaaag tattgtcaat atctgccaaa  2460
ggtgctaaga taaggttgtc gatcattttc ttctctagga agtctccaat gacctcgggg  2520
ttgattaaat ctgcaatttt agttacttct gctaccatgt gtattctcct tttcgtatgg  2580
acttatctaa ttaagagtta cgtcgcaaag cttcgtactt agctgggttg cttgctttaa  2640
gctgcatagc ttcttgagga gataagtcga ataatgattt agcttctcgc tgccctccaa  2700
cccctacaat atcttggttg ctaggtgctg tctgagctgc aaggcctttt acttttcct  2760
ccacacgttg tgacaagagg ttattgattt ctacgtctaa agagttgacg ttgtgtttcg  2820
tagcttctgg agaatctcca atcacgtagt ctgcaaagct tgccggaagt cctgtagctg  2880
ctaatgcggc tgaagccaca ctttgcattg ctaagcggtc tttctctgct tggatttctt  2940
tgagctgtga ctgcatctgc cgaagttgaa tctgctcttg tgtttctgga gggtttaatt  3000
cttgtaaccg ttcttgaacg atcccttcca agtgcttact cttccaagac tcaatagctt  3060
tggatgcaaa ctggtctaac cgaggactaa tgatagattt gcctgcttcc gtttctaaga  3120
aacttcctac tgtatctttg tttaagaatt gactttctac gcttttacgc agttctggat  3180
tggattcgat agctcctaaa acagtttcaa cagataaccc ttctgtgcct tctgctgtcc  3240
cattgccttg ttctttcata atttcgtctg ccatgattgt atttctcctt ccgccctcgt  3300
aggtacaacg ccctaccgtg ctttagatat agtattttgt aaagtccttg gcttaggtgt  3360
cctttaacat ttaacctacg agattacagg gacaatgatg cagacacaat gaggatgcac  3420
agggagaaga ggtaatgttt ctagggtata gagaccctcg tttctgatac ctccgtgagc  3480
taagcttttg caatgctcac aaactccact aacggttaac tctggtctat tgctccattt  3540
ccataatgtt atctcgtact gtttggaagc ttccacaaca gcaagattta taattactga  3600
ggcttgagcc tctacatgtc gtctgaggaa gtagagaagg ttgtctctaa gctgttctaa  3660
gtgagcgagc ttgccttgac tctctcctaa aacgactgtt cctgtagcta cgccctccaa  3720
ttcatagagt atcggaagta agatgctaaa gaagtagtcg taagcttctt cgataagctc  3780
ttgaattgcg ttcgttatat ctacagaggc tatcccctct cctaatgagg ggtgtcccac  3840
gacctttca gcaacctccg tgaaagcttt tgtaagctct tctttgaagg ctgtaccata  3900
gactgaggtg tagtattcta gtaagctctt ggagtcttgg ataagcatat agtctggaga  3960
ctctttcata gcttctatga taatcttatc aacaacagcc tcaagttggg gagagtacct  4020
cccgataata tctgcaaagt ctttctgagt atctatcatg acatctgtca gaaaggcttc  4080
cagaagttct tggcgtttct tcttccccat ctttctagcc atctataatt cctcctagtc  4140
tcttggtttc ttgttacgag atttctcctg ctctttagca gctactgcat cgtctgtggt  4200
aatcgtattg gcatcagttc gattgtctag cttcttgacg ttttgatctg atgtagcgac  4260
ttgtcctaag ttagtctgtt taagcattga catctctgct tgaatcttca tacgttcctt  4320
acgctgttcg ttagctttct taacctcaga ctctgggtca gtaatgaatg ggaactgtgc  4380
gataatcgtt tcgtctggta gaatgtcacg aagcttaaca gccatatctg ccaactctga  4440
gaatgattgt ggaaggttac gtacaaagac tggttccact ttctctggtt taagatcttt  4500
agcacctttc aaattagtca agtagtggca gatgatttca taacgttggc ggaatacttt  4560
gcgaagctta gactcacgaa ctgctgactt attctccaat ggttgtgtag cagctttcat  4620
agctgttcca gtagctgcat tgaagtcttt agaagtcaag tctggagttt gagaaagact  4680
aaagatgtta cgctcagctc tgtctttgat gttctcaata tgagtatcat taatgttctt  4740
gactagccac tcagcctttc cgccttcttc ggtaaccatg acacggttgt ttttcatctt  4800
atccaactca gagttaccgt tttcgtcttc tccaatgtca aatccagcta accataggta  4860
ggcatcgttc aaatagttaa tgtcatttac agagtctgac acagctaagt tgtaagcatc  4920
aattaatgga atctgagctt caaagtctcc cagacgttct tcattagcaa tgacctcaaa  4980
tacattaaac tttcctagta gattgggaaa agtttctggg ataggcttgt ttttagttcc  5040
```

```
atcttccaaa gtctctgttt cgaatttaat aatcttatct ttagtataga cttcataggt  5100
tcgatacaca gctctagtag cactttggta caccgtgtta taatagattg ctgccaaagg  5160
ctcattatcc aagtccatcg aatagcatag taccatgttc attggagaaa ttgctttgat  5220
acgatagtct ccgttgcggt ctaggtaatg gatttcaaac gcatggccaa agattccgga  5280
aagcttaacc aactcattgt caacgtcatg gaaatcattc ttattaagaa ttggaagcat  5340
tgcatcaata gttgtctcgt cgccttttaa agtaattggt tccccagcta agtaagaggc  5400
tgctgtatct actaacagtt tagggaagtt gtgaacgact ttattattag gctttgtctt  5460
atcgtcaaac gttctgttta gaatagcgtg gtgcatgcct ttgtaatagt catacaaaag  5520
ctggtagcta cctactctcc catagtggag ttcagcagca ttgattaagt cgtctgttgt  5580
aaagtctctg gttatatagt gcttacggtt atcagcgact gtataaatgt ctccagcaga  5640
cagttggtta tttggaatag ccatgtgata gtcctcctta attgtcttca aaggtacagc  5700
cccagacttt tgtataactg tcctacagtc cgaaagcagc cttactgata gaccttactt  5760
tgtttcttgg aatcatgtct gatacagcat accgaagagc atccatacag tggtcaaagc  5820
cattggcacg aggtttgtta aggtactcgt ccttaagatg tttgttaggt tgccactcat  5880
aattctccag ctctgagata gtccttacac agcgtggatc aacaacgatt gtgtagcctt  5940
gcagatattg gataccatgc aagatgctgt ccttcccttt tcgtgaaggt ttaatacgtc  6000
gtgccccaag cctccgaagc tcttcaatag actttggctc agcgctatct gcaaagattt  6060
cattgtggac tatcttacgc ttcttaatct cttcgaagat gtccttgttc aagaggcctg  6120
tttgatacat ttcatcatag atgtaaagac atctagaaga ttcatcgatc ataatggaaa  6180
gtagtacggt agggtcattg gtaaacccga agtcgagtcc ccatttaggt ttccagcggt  6240
ctctcaaaag cttacgcaag tctagccgct gtcttgtcca gtttgtataa atgcgtttac  6300
caaggctggc aaactttcca agagcgtaga tttcgtagta tactgggtta gtattcttca  6360
tgtcctctaa ctgcttgatg tatgatctag gaaggaatcg attgtctttg taagttgtac  6420
taataacttt gcaattctct ggacgtttct tagctgggtt atgaaacatg tggtagaccc  6480
agttatcttt tgaagcaggg ttatacataa taaatacttg gttgtttccg gcagccttgt  6540
tacgcagccg tagttgaagc tgtgagtagt cgtccaaagt gaactcagta gcttcctcca  6600
taactatgtc agagataccg gaaatagatt tgatacgctc tgggtcttcc atccctttaa  6660
atatgtactc tgttccatta ggtagtttaa tagtcatgta tgaagccttt acatcacata  6720
tgtcgtagat gccaaactcc tgtagacatg tcttgtattc ttggaagatg gagtcccgaa  6780
tcgtattatc aactttacgt gtgactagaa acttacgctt acttgctaag ccttttagaa  6840
tcgtattctg aaccacaaac ttagacttac cagaacctgc tcctccgtag aaaaccattg  6900
tacgatactt accattaggc ttattatata agtatggaag gtaagcctcg ttaaagattc  6960
ttggagggac tgtaagtttt aatggaattg ttttattatc gtttgccata gtgtcctcct  7020
aaagtagata aaagccccac agaggttttc cgtagggctt cttgattatt tgttgatagc  7080
attgttaaca gacttgccag tctcgtagaa gcctacagac gaaagccctg caataagtcc  7140
tgcaactgct ccgataactg gttcgacatc aaatacaatc atacctccgg ctactccaac  7200
gataacgcct aagacgatag ctgccaaagg aatgtaccga gctggaatgt actcttgaga  7260
tttaatcata ttcattaagc ctgtcataac tgccccgatg ccgactgcaa cggtcatgat  7320
gatttcagtg ttgttcaaat ttaccacctc ctttaaaggt ttctaactct tctttcagag  7380
aggcgttttc ttcctcaagt tcgtcaacac gttcctcaag ctgagaaatc tgtagcaagt  7440
agccgtcttc cttctcttgc atggaacgct tcaagtcagc catctcaaat tttaactggc  7500
taaacttttc ctctaagtcg aaaacagttt gtcgaacaga gttgtactca gcttttagct  7560
cgttgtgatc ggctgcctta gtctcgtaca tctctttcca gctagtgtaa atctcgtcac  7620
gattctctat ctcagtcttt ctgactagcc ctttgaagtc taagtttttg cctacccaag  7680
cagttacaaa ggctaataca ccagtgatta gtacatccca gtgctggaag ttcatttaaa  7740
gtcctcccga atgagaactc cataggctgt ccaagcacat ccaatagcca gaatagcaat  7800
cgtattaggg gtaggcagat aggttactcc cataacagac caaagaactg ctaaagaggt  7860
tactcctgct atacgaagtc tgtttctgtt aaggatgata ccaagaagtt tgataaatcc  7920
agctgttaca aagaaagctg atataagttg tagatcaaaa agactggaga tgcggtcgta  7980
taaagcctca tgattaagtg tgtctatgtt taagtatagc cttacgccat acagaatact  8040
gactacggat agtcctatgc cgtgccattt caaatagagt attgaaatga ctttccgaag  8100
gggagtcgga agcttttcca taaggatttc tcccttcctt tagtagtttt ccagaaagcc  8160
atagtctagt tcttcgtcgg tctcttcgaa gtctgcttcc aaagcatcgt cctcaactgc  8220
ttcggcctgc ttaatttctt cttcgtcgtc ttccggctca gatatatcga ctatgatgtt  8280
taattcatta ttgacttgta cgtctggagt tagcaagtca tggaatttag ctagttgttg  8340
taaggcggtc agctggtctt ttgtagaaat ccttgcttga atcttatccc ctttagctgt  8400
gacaatctcg tcatagccat ctcgcttagc aatctttgta agatgctcca agacttctgt  8460
agcagtcatg atgtcagcgt tggactgctc agtaatcagc cattggatat acgcttttac  8520
atcagctcgc tttaataagc ggtgcccaga aga                              8553
```

<210> 6
<211> 5804
<212> DNA
<213> Artificial Sequence

<400> 6
atcctccatt aagattacat cgaaaagctt gagcaactcg tccgtaaact cttgcccaga 60
ctcttcccaa agtttgataa acagttcttg atttttcgtc attattattc ctcctaaaca 120
tctgcacctg cgtatgtcgt agctatattt aaccaagacc ctttaccaac ttgttcatat 180
cttgaaccag aaccataccg gctcatgttg atagcacctc caggctctag cccaagtaag 240
tacctattca tgccagagcc ctgtgctata acgttggtag tttggttagg tcttgcccag 300
ataggtagaa taccaatctg tatgacatct gcactaccag ctattgggtt gatattcttg 360
aatgctccag caagctgtac tagccttccc agacgagtag cagtaggcca ttgaccagaa 420
ctagaagacg tgctatactg ttcaaatcca gaggcaggct gtagaccagt ccttggcata 480
ctgtaaaggt cgttgtagga aaacgaaccg cctttgccat ctttggtttg aagtgttagt 540
gcgtaaggag acaactgcat gttatattct aattgtccag aactatccaa ttgataagaa 600
gaaagggctt ggtggtcaat aattagctta cctgaaatgt ttttaactcc tgtagactta 660
aggtaggttt cccactcatt ggtatataaa ccgttactta gagtaagagt tcctcgttgc 720
caagttgtgg aaccatctgt tataggtcga tcataaggag attgaattgt caatccagag 780
agtgttccag aagttatgct agaggcactc aagttgatta cactaatctt tccagcatcc 840
agtgtaccag ttgtaatctt gctggctgat agagagccta tcttagcatc tgtgacagct 900
aggttagcaa tcttggcagt ggatacttgg aggtctccta tcttagctgt tgtaatagat 960
gcatcagcaa tcttggcacc gttgactgct aggttagcta tcttagcgtt tgacacagct 1020
aggtcagcta tgtgggcagt cttgataata gcgttgtcaa tcttagtcaa tccagtgatc 1080
caaacgtatt taccgtctat cagaactcct tccgaagaaa cattgatctg tgcaatgact 1140
ccattcttat caactttcaa attgatttgg tcagctaatt gggtaatctg ggaagaagta 1200
acgtttgtat tagcctcgta aatgtacatt tcatgaactt taatagttga tgaaggtggc 1260
acaaatagac tgaatcctgt ccactgagtt gatctaatag ttccttgcac ccatctatta 1320
ttagaatctg gaagagagaa tttaagattt tctccctcgg agaatcctat ctcgtaaggt 1380
ttatttatag aagcagagcc tacattaaca aacagtttaa cgttatagga ctttccgacc 1440
tccaaagcta gaggagggct tccccagtag attctagcag aacctgttcc attatttgtt 1500
acaagcaatc catctgctgc atatgagaag gtggctgtac tctctacggt aggctttgga 1560
ttctgtttct tgaagtctgg gtcagggaac ttattcgtca agtctgcaat gcctgtttga 1620
atctctgcaa cagttgtctt aagaccgttg gcagtctgtt caacttgtgt agctttagta 1680
aaagcattgt tggcagtagt ttgaacttct gatacagttg tcttaagacc ctccaccgta 1740
gcttctactt gagttacttt agcaactgtt gccaagtctg agtaagctgg ttgccatgct 1800
cgcaaagatg actcaccttt aaacatcatt agattcttta tacggaatcc agtggaggta 1860
gggttattag acaagttaac tactaaaaga acttttactt taccgcttct tacaggctta 1920
aatgtaatag aacgtgtgta gaaactagct gatccagcaa agacaggaat atctgggagc 1980
ttttgatttc cttgtccgtc ataatacatt aagaaacagt agtctaatac agaagtattg 2040
taaaagctcc caacttccag ttgtaaagtg tacgttgcat ctttctcaac atcagctatc 2100
agataatctg tttggattcc gtaactagtt gtagcagttc cttttgttac agctatctgt 2160
gtaccgtctg tagaaaaatt acctccaccc catactacat aacctttggt tgaatcccct 2220
ttagaattag gaataatatt agagtagtca ctatttaaga tgccttcttg aacagctgta 2280
atagtagctt tcagaccatc tgccgtagct tctacttgag tagcctttgc cagagctccg 2340
tcagcagttg tcttgacttc tccaacagtt actttcaaac catttacagt agtttcaaca 2400
gtagtagctt ttgaaagagc tgagtcggaa gttgttttaa cctgccctac agttacggta 2460
agtccatcaa cattcgtttc aacttccgta agcttctgag tagtctctcc ttgaactgtc 2520
tcaatgtctg agatggtagt tttcataccg ttaacatcat tcgtgacagt cgttactttg 2580
ctgtcaactt gaccaacctt tgtgatcgct gtagaagagt ctgttagagc tttagaggca 2640
tctgtctgag ccttgccaac atccgtctgg agtccttcaa catctacttg aatagcatct 2700
gcttgagctt ttgcattggc tgcatcagta actgcttgat tagctttgtc aagagctgct 2760
tgaccagctg ctgcggcatc ttgggcagct tctttagcag catcggcagc agcttgagca 2820
tctttacctg cttgagcagc ttcgttagca gcagcttgcg cttcttcggc atcctttgca 2880
gagtatcggt cttgccattc tccggtagtt tcattccata ttctaattgt tgaatacgtc 2940
ttaccagtat ctgggtcaac tgcatcaagg aaccagatat ctccttcttt aggatttgga 3000
gtaggcgtat ccccaacgct tacagaaggc acgtctccaa gctgtccaat gattccttct 3060
tggccttgtt gcaatactgt gatgtcctca gttacttgga caaccacttg actgatttgg 3120
tcttgctgat tttgaatctg attaatcata tcccgaagag ctaagacatc ttccgagtca 3180
gctgtggaaa tctctttgaa gttagtgaag gttacttggt cgtcttctgg attgttatga 3240
gaagttacca actcgactac ccgagcttcc aaacctaact ccatatcccc aacttttttcc 3300
ttaagccata cagtatctcc tagatggatt tgttcagtcc cttcaaagcc caaagcattc 3360
tcaaggagta gtacgttaac tgtgtacgta tacgttggag caatgtagtc caacagctta 3420
ttacaagctt caagataagt tagttcgggg tctgttgaag acgacttcat gataaggact 3480
tttgcatagt ctccttggtc atagtcgttg tgagctgatt catgaatgat aatatccatt 3540
ggattgtctt tccggaatcc attaattttg ttaataggag agtatcctgc aagcgttcta 3600
acaacgtctt gttccatcca gtaaggaagg atggctgtat ggatattgtc gaagtctact 3660
gtacgctcaa tgttgattag atcacggtca tatacaaagt atttaccagt gttacttcca 3720
aagcgtttat agacatggag cactcttgtg atacgttgtc catcaaactt aacactaaag 3780
cgatactcta tgtcgtacag ctctcgtatt ttttccaaag tgcttcggac atccgtgtac 3840

tcttttacgt caactaactc gtagccgatg ttgattgtat cagatccgat aatatactcc 3900
caaggagttg ttcgtaaagc ccctgcaata gcatctcgta agttacctgc tgtgaaaggt 3960
accacgtgag actttaacaa agcatccaca gaggagtctt cacacaccac tcgtttgaga 4020
ggctgctctt gtgaccagtc ctcccacacg ttgatgatag taagctctct aagaacgttg 4080
tctttatctg ggtacaagac tgtgccgaat ccttccagcc attcactatc ttcgctttgg 4140
aggggtactg caaactcaag agtagtctgc attgtttcta agttgtcggt aaatttgtca 4200
tcaaaataag gagtagcgtt tggaatatta tttacgtagt ttccacgata tactccctgt 4260
ggacttaaga ctgtaatcat tgagtttcct cctaaagttt atttgtagcg attggtgtac 4320
tcatactcta ccttaccctt tactccagat attcccaaag tattcttgcc tggcttcaac 4380
gagaaccagt ctgtggaagg ctgtacataa gatggggcga ttgttccatt aagccatact 4440
tggcctttgg taaagtccac gataagctcg tcgtctttct tgaatgagcg agttatctga 4500
gggctgttgg caggcttttg caagatttcc cagcacttag tgtgatggac tgcccatcgg 4560
ttaatctgag gtctgttgtc aatgtttgca tacaagattc cataagctgc aaacttccta 4620
ttccaagtct cttgaggaag cgaacggaag cctgttgagc gtacgttctt catcattgat 4680
gagccgtatt gtaagtcaga gccaatcatt ggagaacgtt tctgagactt gaactggcct 4740
gcttgaagcc tccagcggtt gtccttacgc tcaatgataa tcttacctgc aaagttgtac 4800
cactctttac ctccccatcc ggggctgata cgaacttcat cttgagtaga tgagcccata 4860
gttgcaatat ggaatcgtat gcgtttctgc ttagctacat aaccaaaagc tacgtttgca 4920
aaaggtatca tctggtcgtc atataagatt atatacatat ggtggtcagt ccagtattgg 4980
ggatttccct tagttgagaa agcaacctct aaggcaaagt cattcaaggc tttagggtta 5040
accctcgtaa tacctccacc ataccatttg tacccaactg ttttacggtc tactttaggg 5100
aacttgttat tcttaagcat caatgttcca taagtagatt caagggttgt atttctgata 5160
aaatcttggt ataataagaa gctaggagtt gtattgttat ccatctgttt caatgcattc 5220
atgttgtcat agtactctga gaattgccaa ggcattgggt cgaagtttgt accagttcca 5280
gttccttccg acgagtcata accaagagtt acgttctctg actctcccat acctacaatg 5340
ttaaccattg gagaatcttc ttcaaaggtt attttcataa ctggatgagt ctctgctgtc 5400
ccctcattga agatttggaa gaaggttcct tcgtcagtat ccatagttac ttgcccagtt 5460
acttcgtctc cataggaggt tacttcgata caccggaagt tcaatgtgaa gtctcctaca 5520
ttaaggcttt gattgatctc agaggctcct tcaaatacga ctttccaaga acggtctttc 5580
gagtcggcaa atcgaatagt tgtttctcca atgtccaaga agttagccaa gtcttcaatt 5640
agatatggaa tatcctcttc cttattggct ttgataaagc agttcataga gataacacgg 5700
tctccataag tctttccata gttgaagttg cgtttgcctc tgtcataggc tgtcagaagg 5760
ttgttaacag ctggtagcac agagcggttg atgtctctta caaa   5804

<210> 7
<211> 5342
<212> DNA
<213> Artificial Sequence

<400> 7
tgttcgaggc ttcgtgtcat agactgggtc aaatagaaac ttaggtgtga ctgttgccga 60
caggtttagg tcagctagtg aagtagctgc tggcacgact actgacagat aaacccatcc 120
attgtcaaac gtatagtcgt ccaaaggttt ctcagaagat attgtccaag tgaaagttcc 180
ttgacttcca gtagactttc tagcaagctg tgtatcttca ctttctaagt atacttccac 240
attatgattg gcagttactg agaagagata ctcacgagtc ctttcacgga ctttggcaat 300
cttgtctgcc tcaatgtaac agtcttggaa gaactccgga aactctcttg caatagctcc 360
catcacatcg aatccaagag tgatctgaat accattctcg ggaatctgct gagactgtac 420
ataagttgtt ccagaagctg gggtaatctc tgtcatggag tctacgttat agggaatcca 480
tcctagagca tcgccaatcc cccagcccaa cgaaggggct aagggataag tcgtatgagg 540
agtatataca ggaacgtatg ttgagttcat cgtttcatct ttcctttcgg tcgattcgta 600
agcttggcat cgaactgctg ttgctcagtc atctttttag aggttgctct gacgatttcc 660
gtagtgtcta ggtaaacagg tacgatgatc tctggaatat ctcccccacc tgctgctcca 720
gaagctttca gctcgtctgc aatagctctt gcgaatggtc tcatgtaagt cccattctgg 780
attgggatga tggcttctcg acctctttca ttgtgtgtaa ccccctgtga aatgcctctt 840
tgtcccaatt ggttgcctgt tccaaaggct gtcatgttag ggttataggt agctgaacca 900
gaacctattc catagcctcc agctccactg acaagccctc cagaagcttt gcgagtgcct 960
gctccagaga ctagacctcc ccgagcttta ccccacttag aaacctttcc aacaatagtc 1020
ctagtggcgt ttacagctag gttgataacc cctccagcag gaattatact aattagattt 1080
tggatagctg tcataacagt gtcgaaccca gacttttag cctttacagt aatctcttta 1140
ccatctaccg agttagcttt agtctcgata ccttcgatag cctcaaccgt atcatcacgc 1200
atcgtctgag ctttatcaac cgtctcaatc atctgtgtac gagcatcttc aatcaactta 1260
tcacgagttt tcccagtagc tgctacagct tcatcggaca tgctcttgat ggcagcaaca 1320
gattggacat actgttgttg agctgcttgt acagtagagt ctctctgagc attggcatct 1380
tgaatagcct tatccttctg ctcttgtgtg attcttcctg atgagtctgc ctgagcttgt 1440
aaggctaaga tgacagaatc tttctgagct tgagttaggt caactacttg ttgagcattt 1500

```
tggcgggtca agctgtcaat ctgtgccaag gctgattcac gttctgagac agacatgctc  1560
ccaaggttag aatacagctc cagaatctta gtattgttag cagctatgga ttgttcttgg  1620
ttagcattgt gtgtggcttg ggcagccagt gccttggctt tagcatcctt gtcaaggata  1680
tcactattgt tgatgaaagt ggttaaggcg ttcatcttgt tggtattgct ttcttgaatc  1740
gttgtaagct gagtttgcaa agctgtctgt aagtcaggta atccagtttg aacggctgct  1800
gctatagcct tcgatggatt gtagttaggg tcagcctgcc atttagcagt ctctacagca  1860
acctgtgcac tagtagattg tagggttgat acaactgtac cagtagctac cgtaagctca  1920
tctagcttat ctgcggagat aaagctgaaa gaagctgctt gagcgtctag gtctttaaac  1980
acttggttaa ctaattcaat ctgctcctgc gccttgcttc caaacatggc tgaaataggg  2040
tcttgagttt ggacttccat gaggttgtct ttcatattta ccaaagcttc tgtaaatcta  2100
ctagcctctg tcgaagttgg gcgcaaagct tctgcccact catcccacgg cattttaact  2160
gttccaaacc atttctcata gtctttgatt ctgtcaaatt gtttagtaac tccatcaatg  2220
gcatcattaa ctaagtctaa acccttgtta gcaagttcta caccttaag tccaatagta  2280
ccagtaatgc ctttaccaat ctttagctta agggcatccc aactatcttc taactggtcg  2340
agctgtcctt ccatagtctt acgcatctcc ccagcttgtt tagctgctgt acctgtggag  2400
ttaaccagtg attgaactag gtcgtctgtc tcttgattag tcttttgcaa gaccattgac  2460
ataccagctg caccagtctt accaaataag attgttgata gatctaggat ttcagctttg  2520
gacatgttct gagctgcgtt ctgtaagtct gcgataacgt ctgggatagg acgtgcctta  2580
ccttcggcat cttctaactt gattcctaat tcatctaaag cagccgctgc cttatcagtt  2640
ggggaagtta agtttgtaaa ggctgtccgg agagctgtac cagctttgga acctcggata  2700
ccttggtcag ccatgatacc agtataggca gcaagctgtt ccattgaagc tccccccaac  2760
tgagcagaag ctccggcata ttggaaggta tatcctaagt ctgtcatatc agctgcggtc  2820
ttgttagcag tctctgccaa aacatcggca atgtgttccg agtcgccagc tgctaggttc  2880
catgtattca aagctgcggc aacgatttga gcagttgtat caacagctga cccagaagct  2940
tctgctgcgt atacgatacc ctccattgca tcggctgtct cagtagctgt aaaacctaac  3000
ttggcaaagt ctaccatggc ctctacaact tcttgagcac ctttggaagt cttaccccca  3060
atttcgatag ccttgtcccc aagcatgtcc atatctgctt gagtacctcc agcaactatc  3120
tgaacctgtt tcaaagttcc ttcaaaggta gcatagcttt taactgcatc aatagcatac  3180
ttaccagcta tcttaacagc ctgtgaccca agcgagatag cagcagtcat tggagttagt  3240
ccagcagtaa aggtacctaa gcctgtgtta gccgataccc aagctttacc catccctaga  3300
ataccttttct gagacttctc aacagtacca gtagttccag ataagacttt agcagactga  3360
gaaagcttgc tagtaacccc atcttgaacc tttcccatag actgcatggc tttgacgtat  3420
tggttattat ctacggaaac ctttattcgc atttccttat ctgccattat agttcctcct  3480
aatcaaacat attaaataca ttgtctaatt cttgtttggc aaaagctcta cggtcttcct  3540
cgtccatatc tctcagtaag tcttccgtag ttatctcgga ttctggaata tagtctaggt  3600
ctctgtaaag tttaaaacca acatattcgt cgtagcttat tggcttacct ttagcaggct  3660
gtttaaacaa ggtaaagaac agtccagcct ctcttgcatg acgttggtaa gctcctctca  3720
tcaatccatt aaactcatta ggagtgcttg tccagaaatc gttgactgaa atttctaagt  3780
ctgaacataa tatcatgaag tatcttacgt ctaaaagcgg agaatcgacg tcctccgacg  3840
tttctgggag acttttcttc atctgggtta ggctctttct caaagagttg tttaattata  3900
atactagatt gataactctg attgactttt tcgaagtatt ctgttaaagt aaattcatac  3960
tcatctagag acttttgtag aagatcagat acttccagta catctttgcc ctcatattcg  4020
ggaatgtttt gtagcatcgc ccagaataag tagagagact ggttaaaggg cgtttgctct  4080
gctacgaagt ctatgtaagc tttcccgaag gctaactcaa gaaagtggat tgatttataa  4140
gtcattcgca agtctatatt ctttccttga aattttatta gcatgtctag tcctccataa  4200
taaaaggggc tagggattta ttccccaacc ccttgattgt tattgccaag ctaatttaac  4260
agatgtcgca gtaacgtcgc ttgacattag gttgcttggt ggcgttactg ctatgcttcc  4320
tttaccacaa catctactgt tgtagagatt gctgtgttga ctgtcgaacg aacgttgata  4380
gatgctgtac cagcttttac accagttact ttaccactct gatctacagt tgcgatagat  4440
ggtactaatg aagtgtacgt aaccgactta tcggaagtat tttccggagt gaataccgga  4500
gtcagtgtag ctgttcctcc aactgtaata ccttcgggtg gtaccccatt tactgtcaag  4560
cctgttggaa agactgttgg agctacttgc tgctcttcca aagcaccttt accattgaat  4620
gtcaagctgt aagttacagc atcgtcataa ggtaagtcga tcgggaagtc tgtcagaata  4680
gcttgtccaa catatgtcaa gccagatggg aaatgaactc gtacacgtac acagtctcca  4740
tttacccaag ctgcgttcaa cgcttggaaa cctgcattgt cctctacgaa caatccgtca  4800
caatcgattg accaagactt ctggccttgc tcgttgtcag cccatccgaa accttctttg  4860
ttagtggtgt ccaaagtatc tgcggagcgg tttaatgtac cgcctcgttg ggctgctact  4920
ttagtccatt cgccagcttc atcttgaact tcaatcagaa cggctgtgcc tcgtacgaag  4980
cgtgatttac atacttctgc catgtgtatt ctccttttct tatcgtggat ttactaaaga  5040
gtctgcgact tcaaagtcta agaacaagta tcctcgattg tttttaaatg ttccattaga  5100
agcttcggta tagcgcacgt ggtcaagatt tgcattgact acgcaaaagc catcttccag  5160
ttctaatgga gagttaacaa gcctatctac caaaaagtct cccagagctt tagtctctat  5220
agagcttggg tagtcactcc ataagtggag cgttaagttg tgcatctttc cgtaagtatc  5280
ttttgaggtg actttaccag atgtcaactc ttcgccaatc tttacgtaag gtagttcggg  5340
ca                                                                 5342
```

<210> 8
<211> 4373
<212> DNA
<213> Artificial Sequence

<400> 8
tgtaaaatgg ataaatactc tccactagca cgtctctacg ccctagctat tgtaaaaggc 60
ttgggcggac ggactatcaa cagtgttcca tctagcttac gtgaagacgt tcaagcaatc 120
ttggacaatc atatggacga actaaaagca atgttatagg aggaagcctt atgcaaagaa 180
taaatttaga tacttctaga aaggctacca accaagacgt aaaggtttat atacgaactg 240
gggaaaagga gtttacaact atcggagtca gtcttacaac gtatggtatt ccgaacgact 300
tgactggctt cacggtaaac tttgaaggag ctaacgctga gggaagattc agtggtggag 360
gtgcaagggt tgtaaacgcc actaacggtc agattgaata caccttcacg cctaccgatg 420
cagctgtcga aggctggttc gaaacagctt acttcgtcat taagaaggga gatgaaatcg 480
agggcaccac agaggctttc cgagtccatg taagccgtcg ggtagacatt gatgatgcac 540
aggcagcagc tggggtaaat actctgcaag agactattaa cgccttggaa gctactttca 600
atgagtggaa agctgctcgg gaagctgatt atacaggact acagacacag gctgatgcac 660
tagccactca aataacttct gcaaaggctg acttggatgc taaggtagca gcagctcaaa 720
cagccgtcgg aacagctaag gcagaggctt tagcagcagt tgacgatgct gttgcaaaac 780
tgaatgcagc cattgaagat tttaatgcag ctgacttcta tactaaggca gaagccgatg 840
cactgctgtt gcaaaaggtt gatcgatcgt cttacgatgg actgtacaca acttctaaag 900
tagctatcac tccaatgagt ggatttgtgg aatacaatac caacagcgct tcggcaaact 960
ttccacaggc tatcagaagg tttggggtgg taactactaa aggagctttc aaaaacaatt 1020
cagaggtagt attgtcgggt aatgatgcca tatttaccat gggtcaactc ccagtagggt 1080
atcgcccggc agaggatttg aactttatcg cccaaggttc atggatgaac aagtatcttg 1140
ttactgttac taaaggtggt ctgataactg gcgcaaggta tggtactaac tctacagtaa 1200
acattccagc aggctcttgg ctaaatattg gaatgacctt cgtagcatta gaacaggaca 1260
cctaagtcat tttgtgggtc tatcccacag aggaggaatt aacatatgaa atacattaat 1320
aagagcgttt gtcgaggcgt agcaggacga cgtgccagag gatggaagcc tttaggtatc 1380
gttatccata atgacggtgg ctcaatgact ccggaagctt atgtagaatg gctggctgct 1440
aagtctacta cacagcttca agcaggcttt gctcactact atggtaaccg taacacaatg 1500
gctcgtgtag aagatactta caatggagct tggcacgtag ctaactacaa tggtaacatg 1560
gactatgtcg gatacgaagt ttgtgagtct ctgaaagttt ccgacaaaga cttcatcgca 1620
aacgaagaag cggtgttcca acaagccgct aaagacatga aagactgggg actaactcca 1680
tctcgtacaa ctgttaagct tcacagagcc tttgtaccga ctgattgccc gcaccgttca 1740
tgggcgttgc atgtaggtag aggggcagct gatacaacag ctaaccgcaa caagttggta 1800
gactacttcg tagctcgtat caaacactac atgggcggag gaagcaacaa cagcaactcc 1860
ggaagcaagc caaatactgg tggaaatagc ggaggcaaca agattaccaa tactactaag 1920
tttaataatg gagacaaagt aaaagtcttg gcaaaggcta ctaactatca gactggtcag 1980
tctataccaa gctttgtcaa aggtcagact tacactgtca aacaatctaa agtagttaac 2040
caatcagtct ccaaatacgc cttcctattg gatggagtta acagctggtt cttggcacaa 2100
gacttgcaga aagtctctgg gggctccact ggatatgctg ctaagaaagt tggggacaca 2160
gttactgtcc aaagctttgc ctcgcgctat caaacaggag aacctattgc cagctttgta 2220
aagggtaaaa agtataagat caagcaggtt aaatctgtca aacagtctaa gtcaaaacgt 2280
gcttacctgt tagatggaat ccagtcatgg gttcttgaac aagacgttaa atagcatagt 2340
aaaagacctc ccacagtttt tgtgggaggt ctttttgtta ctcttcggaa gcagcggtat 2400
tcatcttttc aaaagcttcg tcaaagctat caaacagctc gtcgaagttt tcaaggaacg 2460
tgtcaaagac ttctgcctca gctccggaaa gaggttcttg atagttatag gagatgtttg 2520
caatggcgtt taccaagtct tgggtagaca gctctccaaa ggttacttct tctttctgga 2580
gctctttcaa agcttcggta tactcgtctt gcacagcttt tggaatgttc caagaagttc 2640
caccagactc gttgacattc ttaattagat tgccatcatc atctcgttct ccaaactctt 2700
cgataagctc catctgctct tctgcataag cttcctgctg cttgttaagc cattttacaa 2760
agcgtgtgcg tttacgactc tcttggcgag ttaggttagg catgttgtaa aagattcgtg 2820
ccaagattgt aatatgagcg tttggaatct tagctgttaa aagttcaggt aaagtcattt 2880
aatcatcctc cataaagtta tatcaatagt atatcataca atcactaaaa tgtcaagcga 2940
atagatcttc caactcttcg gcagagagct cgttagggtc atggaagtct tttcgaccaa 3000
cctctgaaac agccttatca ataaacccat tccacttgaa ttgccgaagc tgcatgtatg 3060
aagctgtcgg aaaccttgca gagcctcccc aatctttaat agctaactcc atccacttct 3120
taagaacctc gtttccgtaa gcctccatat cagactttat gcgaattcta gtaagtttaa 3180
cattaagagt tgatggattc tgcttgaaat gaatcatatt aaggtagtcg agataagtca 3240
tgaaagtagt tgtattccac agctctattg gaagagcctc atagtcgtct gtcctaactt 3300
tgttaccttc tgaatcctta tataacttgt cgtctaatgt tcttgcccaa gccatttaat 3360
atacctccat tcatctaatg gaataatctt atcatatata atggagtctg tcaataggtt 3420
aggcgaagcc tagctgaggg tttcccgaag ctgatgtttt agctttaaag atccttgaac 3480

agactctccc ttaaacccaa ggacttctat cgaagccctg ttcacttcgt tcactaactt 3540
cttaacgttc agtttcactt cactaaggtc aaacccctta aaaccattat acaaatttac 3600
aataaatctg tcaagctata aatggagtaa atctattaat cttaaacaat tcttaataaa 3660
ctaacaaaaa taactccaat cgcttgactt cctccctata ttatggtata cttataaatg 3720
taataaagat taggaggaat aaattatgtc aaaaggatta gatgctattc agcgagttgt 3780
tgaacaggaa gcaaaagtag aacgtgaacc aagtcgattg acttatttga aaaaaggaca 3840
gagcattcgt gtacgcattc cagaggatat tgtagacaac ttgcatgtct ataaagtagt 3900
tagcgtgttc cagaaaatct taccaacgct ttcttacgca gcagagggac gttcagaacg 3960
tgacctttac aacgaagcgt tcgagatcat gcgagaagac tttgcaacag ctaaagctaa 4020
cggaactgta gcggctgacg acaaagaagc ttatcgaaac tccatgattc tacaacctaa 4080
accaactatc ctatttggag taattccatt agcggacttt gtacaaggca agaaagagaa 4140
cctttatgaa gccggacaac cgttgttgtt ggagactaac ttaggtaaga ataatgctaa 4200
cattgatgcc ttaacagcag ctttgacaaa gcctacgaac gctaagaaat ttggtagtcg 4260
tgcttttgaa attacttgca tcgcttctaa ccaatactct tttgcagctt tagatgagga 4320
tgagttagag cctaacgaga agaaagtatt cgaagaaact gctggagtat cta   4373

<210>   9
<211>   3568
<212>   DNA
<213>   Artificial Sequence

<400>   9
tgttaaatct actccatcat agtagtctgg agtctgtgag gaagtcatgt actgctgctg 60
tcgctctccg acttcttttc cttgaatttt aagagccatc tgtctcctcc ttccaacaga 120
ttaataagtc ctcattcgat agccccttta gaagctggag acgtcccatt ggagtattat 180
gagagtattt taatataatg gagtcaatca cttgacaaga tttttaaatt atgctataat 240
gcttttagag aaaaggtttt agcgctgtcg gtcgctgata ccgacggtac tccaagaagc 300
tgccttgcaa aagcctttag aaagcttatc cgaaactggg aaaaggaaag gaaggttttg 360
caatggagtt taaattaatt tcaaaaagct attgacaagt ctccaaagac gtggtaagat 420
agattcatag agctaaggaa gctacaatac gcctatgagt cgttgacagc cgtctgagga 480
gacttttatt atcttcttgg atgattaggt gtaagtggcg tagaacagct ctcagacaat 540
tttaggaggc ttattatgct gtatgagaat tttcagagag ctgtaaataa aggtaaagcc 600
gtccaagagg gtattcggct cataaagtac ctattgagaa ataaaggaac tgataaagaa 660
aactttctat gggctgagca aattatatca tcctataaac tgcgatttgg ggagcctcca 720
gaatccctct cagagtgggt atctctatta gctttggcaa acgatacggt aggatctatt 780
ggaggagata acaaatacgc taagtgcagt agttttgagt atagcttcta tagctttcgt 840
aagcaccgta gaatgaagac accctctgag aagtatgccc atgagtttcc gatggggctt 900
cttgaccatc tagctgtgga agtttcctta gaagatggat ggattgatgc catttacttg 960
acaactgaga tacttccatg gtatgataaa gaaagcttgt cactattcgt tgaaaggtac 1020
attcgagagt ctagtgttag agaaattgag aagtctttag gagtacctaa atcaacagta 1080
gctagaaaga tttctaggct agacaaacaa cttagtaaaa cattaggagg gtatttatga 1140
cagaatttaa agcaggcgac aaagtaaggt atttccaaga cttatcggaa agatatacaa 1200
ttgtatctcc agatattcct ataggagcta ttggagaggt tagaacagtg atcccggata 1260
gaagggtaga agaccccaat gtcatggttg gattggagca gggagaagtt atctggtttt 1320
atgcagacga actgcaatta gttgacgaag agactgatct accattcatt ccacaagtta 1380
ctcacaaaac tgtcctagat atttcactag atattaactt ggatgtgtac ctagctgctt 1440
tatcaaacat gaccacagct cgtaagcaga tggcggattt gtcattggac agataccttc 1500
cggaagctgt gcgagatgct ttggaggaac gattggataa taagattcaa gagtctggca 1560
aacaggctga ggaagctatt gcacggatgt ccaagatact ggaggtggag tagttgacag 1620
aatggagaga gctgcaaggg ttcactaagt atgatgaaga cggtcatctc aagtatacag 1680
gtatcgacga acaacttaca gagcttgcca attcctatga aattctaata gtgttctatg 1740
gagcgtttag ttcatctgat tggaatgtca tgagtggcgg cgatacaact gctttagtgg 1800
agctgagaaa ggctgaggtg aattaattga gaactaagaa gcccttgcca gaagaggaat 1860
atgcttatgt ggaaggatgg gatgagtttt gagtgagaat ggacttagca ttttaattag 1920
cttggtatca actgttgtga tatttatact tggaactgtg ttaatatact acgcaggagt 1980
atccttcgaa acccttatac tattcttaat aggtttttgt ttagtatggt ttattatttg 2040
ggctgttata gacatatcat tagagtaatg gaggtgccaa aatgaaagaa ttccgaaaag 2100
ctattaagaa actattttta caatatggag gactatgtac agcatgatta aagtttattc 2160
gaaaagaacc ttctgtgcag cttgcagaca aactaagtta gcctttgcaa agcagggtac 2220
agaatttgag gaaatagtag ttgacgaaac tgatgcagag atgttacaat tcttaaagag 2280
tcgtggccac agcagcttcc cagtcgttat cgtaagtgat ggcatggagt ggagtggctt 2340
tagaccagat catatcaaaa agtattccaa agactaggag gaagatttat ggaagtagat 2400
tatcaaccag ccggagcagg aaatgttaca ttaatgattg gacgtgttta tttaattaat 2460
gacaaactat atctatgtgt tgattgtgaa tcttttggag aatatcacta cgaccttgtt 2520
gagttggagt ccggaagagg agcctatcta agcagtctta atctaactaa tgttgacacc 2580

```
agtagccgaa gtggtctaag taacgaggta aatgccaact ttgacattgt tgatgtaaca  2640
gatgacgtaa aggtggtggc aaaatgatta cagtcctttc ggaagtcttc ccacagctta  2700
tcgaacgacg tatcaacaga cttcaaatcg aagccctgta tcacgacgac gaaggaaaag  2760
ctatcataga tggtcagata gccgcccctc gtggctctaa gacaggtacc caaggtatca  2820
aagggagtgt cgatagatcc agaatacccc aagagctgtg tgaacacatt gtaaaaatct  2880
gtgaggagga attgaaatga agtttgaagt aggagatgtt ttagtagatg cagggagaga  2940
tttagatgcc ccaatgagaa ttgtaaaagt ggtgtcacgc tcaaccgatt cttggggaga  3000
taagtattac ctaaagtatg gcgaagacct ttacatgtgg ttgtatgctt cggtggtaga  3060
ggacgaatgg aggaaagctc ctataggaac tgttgcatgg cttatccatg agctgtccaa  3120
gcacgatcct actgacagtg ttagtatttg ccaatggaac actaatgaat ggaaagttga  3180
cgtaaaagat gtagaaataa ttagtaaatt tgaggaaggg gaagtgactc tatggtaaat  3240
agaccaatga aatactccaa aggagactta ctgttagatt atgaaggaga cctttacaaa  3300
gtcctatcag tagattcgga aactaattgc tacgacattg gaggtttact cgacccatgg  3360
agtgatagat tagatgcaga cgtcttggaa cagtcattca caaagcttcc tgccggaact  3420
attggagagc tagtggagaa gctactggac tatcctgtgg atacacctat cagcatatat  3480
aggacatctg gctcagcaga tatttaccta gactccatca gcgacattga gatagactat  3540
gaggatactg gaggaattat cttatgct                                     3568

<210>   10
<211>   2903
<212>   DNA
<213>   Artificial Sequence

<400>   10
ctgattactg cgtagtagtg actaattcta ttcagtctgc aattgacaat gctctggaga  60
acataccaat ttatgaccac gttaaattat ccgaaattga tatttgtcac gttgagaaag  120
tggaggaata aagatgagag agtatagtca aagagattta tggagtgtgg ttaatggaaa  180
ggtagttatt ccagaagcta ttgcagacta tttggagagc ttccaaaggg gaggcatctg  240
gactatgaat gataaagagg atgctgcacg atgtatttgt aatgttggtt ggggacattg  300
ggtagaagga tctactggag aaaaatatga cttcggggaa gatcataaga agtatcataa  360
tatgtttgga ggagagactc gttttcatat ccttcgggca cttatggacg gctacgtagt  420
acatgcccca aaggttgctg taaggtttgg caagaagttt gcaaaatcat ccgaagtaga  480
ttcagaactc acttcaatga cttatcggtg gacgcctgat cgggaggatg agtacagcta  540
tacgagaagc tatgtactaa cgctttcaga ctaccctgag ccatggaatt acagagatgc  600
tttaatgcta caagaagatt ttggagggga gattgttaag tatggttaag aaactgtttg  660
aagtatatgt gacgtatggt aaaggtgacg gcgaagagct tcgggagagc tgggtggcag  720
aagatactcc agagaatcga gcagagtact tggataatct ttgttacagc gatgagtttg  780
ctgactctga gagcaacttc gtagacggaa aaagtaatat catgcactac tactgttatg  840
gtggagattg ggatgatcca acaggtggat ggttgcaggt aagaagttat gaggaaaagc  900
gagaagaact tgccaacgag tatgacaagg aagttaaacg gctcaaaaaa caattcggac  960
gtggagagtg attatatgag tagagcatta tctttagtag atattattga acagctgcct  1020
gacacgcctg tgggaacacg cttcgaaaca gactatggaa gcgagcttta tgtaagtact  1080
cagacagagc ctatgccaga cagtcaaaag gttcttaaat ggaagtccga tgacagggta  1140
gtaggtatta ccgaagtaac tgttggaaca acttaccact tgattccaga ctacgttgag  1200
attggctggc aggaagcttt tgaaatgatt aaggaagcta ctgaatcatt ccaccaacgg  1260
cttactggag ttttccttga gagtgccgac ggtttccgag agatttctat tatagatgac  1320
tttgaggaag acatttacgt tggagacttc atcgacttat tccgtatgaa attctataaa  1380
tctaataaat aaactttggg agacctattg acaggtctct tttttcgtgt tatgatagca  1440
tagtaaacga aaggggacaa actgtatgaa gatctcagtg aatgtgacat cagttaccga  1500
agataataaa gctaaggaaa agattaagaa agcagctaag gcaaaggaaa taccaactat  1560
ggaagagtcg tgggagctta tctatagccg taagaactct cctacagact tggcaagact  1620
ccaaaaggtg gaggaatggt ttaaggaagg aaagattggc cgagaagctg gcaaagagtc  1680
caaagccttt accaaagctg aggcactacg cctttacaaa gctatccaag aggctgaacg  1740
taaggaaaag attgaggaaa tggctactaa agagtgggaa aagtaccccc taatctctca  1800
agaagatgcc gaacagtggg ttgataactg tctgaacgct gacgacgact actttgcaat  1860
ggactttgaa acagtcggag ataacggtgg taagtataag taccgagagc aggtagcagg  1920
tttctcacta acctaccgat tcaatggaaa gcttgttaat ggctacttac caatcctcca  1980
ttacaaagag gcagtcgctg gagggtttgt tgaagatcct cggaacatta gtaaaggaat  2040
ggcttaccaa ttgattgaaa agctattcca cagccctaag aactccatct ggcataatgc  2100
aacgtttgac ttaggcttgg caaaggctgc cctaggcatc gaagcaactc atatgccgca  2160
tgatacaatg gttatcatga agctattgaa cgagaactta agcgacgttc ggacacctgc  2220
atttccaagc ggagtcggat atcagttgaa gaaccttgca gaatacttct tgaagattcc  2280
gtctgatact tttggagagc tgttcggaaa agatgctaag tttggctacg ttccattgga  2340
tgccgctaga tggtatggtg caaaggatac ttacgtaggc ttcttgctct ttgaatggca  2400
gatgaacatt cttaataagc ctagctttgc aaaaattaag aagtattatg agcgtattga  2460
```

acatccatgt atcaaagcta cttacatcat ggagtcagag ggctttgtaa ttgatgagag 2520
agaagtagcc aaacagcgtg aggaaggcta caagcactta gacgaactcc aagaggctat 2580
caaggagact ttcggggacg ttaacattgg ctctccgcag cagttgtcta agatgttgta 2640
ctttgaaaat gattggagca agtatgtgac acgtgataag aagtctatcc tcagcggtca 2700
tgtaggcttt gacgaccatt acattagcaa caaccgtaag tttgctttag ttgaaggcaa 2760
gaagctttta atcaatcctc gggtagttaa cggagagact attggagact ctctgccagc 2820
cgactcagat gctctgaaag ccattgccaa gcatcacgaa gaagtccagt tgattcttga 2880
ttggaaggat gagagcaagc att   2903

<210>   11
<211>   1712
<212>   DNA
<213>   Artificial Sequence

<400>   11
gaagtgttcc gagaaggcga tgccaaagat atgagaacta atatggcagc ttttgaacag 60
tggaagccaa ggttcttgga cggctacaac ctagaccacg tgataaagtt ctgggtagag 120
actccagaac agcaacaaca agaacaagaa cggctgttgg aagcagccag acatgggatg 180
gtggtaatag atgactgaag aacgccgagc agctattgaa cgagagattg aaaacttaaa 240
gtatgatcga aaagtcttgc gaaagcttta ctacaaactt gagggagtag ctccagaggt 300
agttctatca gatatagtta gtgatattta cctactagag gatagaattg taaggcttcg 360
tacggagaag cagctgattg aaaaggctcg tgaagaagtt ctctgcaaag ctgctgacaa 420
gactctccaa gagtatgctg acagggctac ggaaaaggat ttggaatcaa ctgctaaacg 480
ctttgaagaa gctcgtgcag aacatggcac tccatcgtgg aaggtagggg cattgatgca 540
ggagagccca gctaaaaagc agcggaagag tttagtaaga gctatcataa acctgctgga 600
cactaaatat aaataagcta atagagtcgc tttccaaagc tgtgggaagg cggctttgat 660
gagtatagga ggggaagtat ggcattcact tttcaaaata ctccggatgg aaaagtaata 720
gttgaccaag aaaggttacc aagtggcatg actgttagaa tagagtttca gctatatgat 780
ttagagaata ttggagtagc taatgtattt ctaaatgtat tccataagcg gaagcagatt 840
tctgataaca ctttgaaatc tacagggaaa gacggtgtat atccttttgt gtgggctatt 900
agaaagctta gggagtttga ggagtatgcc aaggaagaac tttgccacag cctgccgacg 960
tacatttaag tagactggga ggacaatcgg agaggtcgca tttataagag gttcctccag 1020
cgtgagggat atgtacttaa gaattttgga gaaggtagga agctgtataa gcagcttaac 1080
gttgatatca agtaagataa tagattgtag gaggaaagtt atttgaagcc aattagattt 1140
gaaggagttt atgacccaac tatttggaag cctgtcgaag gggctgaggg gtattttgtt 1200
aatatggaag gaaaggttaa ggggagactt gggagatttt tgaaagggac tcctgtaggg 1260
ggttatccat cattcaaggt aagcggcata ggacgatgtt tgttgatcca cagagctgtc 1320
gcccaagctt ttataggaga tattccagag ggctgggttg ttaaccatct taacgaagat 1380
aaaacaaacg ccaatgtaat gaatttggaa atttgctccc aaagccataa cataagacat 1440
tcagtagctt ccagaaagcc cccctcaaag caaggagcaa ttattgaaga tttatctggt 1500
tggaagccta tccctagcct ctcaacagct atggcacacc cctctgggag aattgcttca 1560
tttgacagat atggtaaatt aagggagcgc ttaggttacg tgaacattgg aggatataag 1620
gttgtatata tgaataggat gccgcataaa atgcacaggc ttattgcaga gacttttgc 1680
ccaaacccta acaactttcc aatagtcaat ca   1712

<210>   12
<211>   416
<212>   DNA
<213>   Artificial Sequence

<400>   12
ccgtactctt cttcacttgt ttcaaaacca tacataacgt ctgaaatctt atacaattgc 60
ccattccata ggatttttc ccctttctt ggaataaatg gtagcgccac aatatcaaat 120
ttttcagagt agttttcact gtttttgttt aaggtaatag ctaattcaat cgcgtacaat 180
tttcatatcc tccaaaaata ttaattaatt gaaaccacac gtacaggaga aaaacaactt 240
gcatttccct ttgaagtata aatttgagca accccattta ttctataagt tcctcctttt 300
ttatacgtcc aagtttgaga aatagtcaca ccaccagatt ttggggaata gcttcccgga 360
gaagtcgttt gtcccaaaat tccaatatta taaacagcgt tcactcggtt aattat   416

<210>   13
<211>   390
<212>   DNA
<213>   Artificial Sequence

<400>   13

ctgactattc agcaatttct ttttcaaatt catctaacaa ccgatcatag atctcggcat 60
ctttaccaga taacatgcca tcgtactcat tcaaaatccg tgggacttca tcaaagtttc 120
gcgcatacat accgccctca atcacaattt cttcatccat caaaatttct tgttctttat 180
tgaaagcagg tggcatatgt ggaaatagaa aagcaggtcc aagcgcatga ggagcggtta 240
aaacagcatg acaaagagtt ggggcgtctt aatgacatta cattagaaat gcaaaagtca 300
atgaacgaag gacttgcacg agttgatgaa tcaaatcgct tcttacgtga gcaaaacaca 360
cgacagagcg aacaaaatgc tgaaatcctg   390

<210>   14
<211>   387
<212>   DNA
<213>   Artificial Sequence

<400>   14
tgtccaagat tgcttgaacg tcttcacgta agctagatgg aacactgttg atagtccgtc 60
cgcccaagcc ttttacaata gctagggcgt agagacgtgc tagtggagag tatttatcca 120
ttttacattc ctcctgcaat taattctgag agctgtagaa cagtttcttg aagcatagca 180
acctgctgct ctaaaggtgg ttcgggaact ttttgaatac tttccataaa cttactcata 240
agctctgggt tgtcatggaa atcctccatt aagattacat cgaaaagctt gagcaactcg 300
tccgtaaact cttgcccaga ctcttcccaa agtttgataa acagttcttg atttttcgtc 360
attattattc ctcctaaaca tctgcac   387

<210>   15
<211>   346
<212>   DNA
<213>   Artificial Sequence

<400>   15
aaatttggta gtcgtgcttt tgaaattact tgcatcgctt ctaaccaata ctcttttgca 60
gctttagatg aggatgagtt agagcctaac gagaagaaag tattcgaaga aactgctgga 120
gtatctattc cagatgaagt attcgacggc tctctattcg aaagcaatac tgaaaaacaa 180
ttgaacgact tacgtttaat cggctttgac actactcgtt tgaaaggctt cgaaaacggt 240
cagcaagaaa ctggcacaat cgacatttct gacgaggata ttccattcta agaggggcgc 300
aagcctctcc tagtcttatt aggaggaact atggatacta ttaaaa   346

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

<400>   16
ttattaatct gttggaagga ggagacagat ggctcttaaa attcaaggaa aagaagtcgg 60
agagcgacag cagcagtaca tgacttcctc acagactcca gactactatg atggagtaga 120
tttaacaacc cttaagccaa agatgaaacg ctttgcacag cattatgtag ctacggtaaa 180
cattgctgaa agctgtaggt ctgtaggcta caatgaatct tctgggcacc gcttattaaa 240
gcgagctgat gtaaaagcgt atatccaatg gctgattact gagcagtcca acgctgacat 300
catgactgct acagaagtct tggagcatct tacaaagatt gcta   344

<210>   17
<211>   334
<212>   DNA
<213>   Artificial Sequence

<400>   17
tctatagagc ttgggtagtc actccataag tggagcgtta agttgtgcat ctttccgtaa 60
gtatcttttg aggtgacttt accagatgtc aactcttcgc caatctttac gtaaggtagt 120
tcgggcattg ttttagttcc atcccagacg tttatacctt ctgctctgag agcttttacg 180
atagctcgtt gaagacttac ggaggaactt cttgcacgga ataatggtct actcataaga 240
atcctcctag atgttaattt tcataagctt atccaacatc ctgtccgtat actcttccaa 300
agctggtata aagtttgggt agttacgttc gacg   334

<210>   18
<211>   309
<212>   DNA
<213>   Artificial Sequence

<400> 18
ctggagtctc tacccagaac tttatcacgt ggtctaggtt gtagccgtcc aagaaccttg 60
gcttccactg ttcaaaagct gccatattag ttctcatatc tttggcatcg ccttctcgga 120
acacttctac agtgccgtca gaaagcttta ccatgaatct gtgcttaaat tttccatctt 180
ctagcataag ataattcctc cagtatcctc atagtctatc tcaatgtcgc tgatggagtc 240
taggtaaata tctgctgagc cagatgtcct atatatgctg ataggtgtat ccacaggata 300
gtccagtag 309

<210> 19
<211> 290
<212> DNA
<213> Artificial Sequence

<400> 19
tgacaatgga tgggtttatc tgtcagtagt cgtgccagca gctacttcac tagctgacct 60
aaacctgtcg gcaacagtca cacctaagtt tctatttgac ccagtctatg acacgaagcc 120
tcgaacattc cgttataatg gattgaaaca accttactac ctatttgtaa gagacatcaa 180
ccgctctgtg ctaccagctg ttaacaacct tctgacagcc tatgacagag gcaaacgcaa 240
cttcaactat ggaaagactt atggagaccg tgttatctct atgaactgct 290

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

<400> 20
ggatgagagc aagcatttat cagcctttgt ggataagatt aaagacttca tagagcccga 60
cggaaagctt cacggagact tcaaacaggt tggtacagta actctacgct atgccgcagc 120
taacccaaac ctccaacagc aaccttacaa ggctcgtaat atgttcggca ttggagaaga 180
ttcgttaatc atgtcggcag acttctcaca gcaggagcca aggctcatga ctcatatgtc 240
taagtgtaag gctct 255

<210> 21
<211> 255
<212> DNA
<213> Artificial Sequence

<400> 21
tttccatagt tgaagttgcg tttgcctctg tcataggctg tcagaaggtt gttaacagct 60
ggtagcacag agcggttgat gtctcttaca aataggtagt aaggttgttt caatccatta 120
taacggactg ttcgaggctt cgtgtcatag actgggtcaa atagaaactt aggtgtgact 180
gttgccgaca ggtttaggtc agctagtgaa gtagctgctg gcacgactac tgacagataa 240
acccatccat tgtca 255

<210> 22
<211> 255
<212> DNA
<213> Artificial Sequence

<400> 22
cattacaaat acatcgtgca gcatcctctt tatcattcat agtccagatg cctccccttt 60
ggaagctctc caaatagtct gcaatagctt ctggaataac tacctttcca ttaaccacac 120
tccataactc tctttgacta tactctctca tctttattcc tccactttct caacgtgaca 180
aatatcaatt tcggataatt taacgtggtc ataaattggt atgttctcca gagcattgtc 240
aattgcagac tgaat 255

<210> 23
<211> 255
<212> DNA
<213> Artificial Sequence

<400> 23
tgacaaccca gagcttatga gtaagtttat ggaaagtatt caaaaagttc ccgaaccacc 60
tttagagcag caggttgcta tgcttcaaga aactgttcta cagctctcag aattaattgc 120

aggaggactg taaaatggat aaatactctc cactagcacg tctctacgcc ctagctattg 180
taaaaggctt gggcggacgg actatcaaca gtgttccatc tagcttacgt gaagacgttc 240
aagcaatctt ggaca   255

<210>   24
<211>   255
<212>   DNA
<213>   Artificial Sequence

<400>   24
ttattaatct gttggaagga ggagacagat ggctcttaaa attcaaggaa aagaagtcgg 60
agagcgacag cagcagtaca tgacttcctc acagactcca gactactatg atggagtaga 120
tttaacaccc cttaagccaa agatgaaacg ctttgcacag cattatgtag ctacggtaaa 180
cattgctgaa agctgtaggt ctgtaggcta caatgaatct tctgggcacc gcttattaaa 240
gcgagctgat gtaaa   255

<210>   25
<211>   255
<212>   DNA
<213>   Artificial Sequence

<400>   25
gccagtttct tgctgaccgt tttcgaagcc tttcaaacga gtagtgtcaa agccgattaa 60
acgtaagtcg ttcaattgtt tttcagtatt gctttcgaat agagagccgt cgaatacttc 120
atctggacta gatactccag cagtttcttc gaatactttc ttctcgttag gctctaactc 180
atcctcatct aaagctgcaa aagagtattg gttagaagcg atgcaagtaa tttcaaaagc 240
acgactacca aattt   255

<210>   26
<211>   255
<212>   DNA
<213>   Artificial Sequence

<400>   26
gcagatattt acctagactc catcagcgac attgagatag actatgagga tactggagga 60
attatcttat gctagaagat ggaaaattta agcacagatt catggtaaag ctttctgacg 120
gcactgtcga agtgttccga gaaggcgatg ccaaagatat gagaactaat atggcagctt 180
ttgaacagtg gaagccaagg ttcttggacg gctacaacct agaccacgtg ataaagttct 240
gggtagagac tccag   255

<210>   27
<211>   255
<212>   DNA
<213>   Artificial Sequence

<400>   27
gtgcagatgt ttaggaggaa taataatgac gaaaaatcaa gaactgttta tcaaactttg 60
ggaagagtct gggcaagagt ttacggacga gttgctcaag cttttcgatg taatcttaat 120
ggaggatgtc catgacaacc cagagcttat gagtaagttt atggaaagta ttcaaaaagt 180
tcccgaacca cctttagagc agcaggttgc tatgcttcaa gaaactgttc tacagctctc 240
agaattaatt gcagg   255

<210>   28
<211>   254
<212>   DNA
<213>   Artificial Sequence

<400>   28
ctcgggtagt taacggagag actattggag actctctgcc agccgactca gatgctctga 60
aagccattgc caagcatcac gaagaagtcc agttgattct tgattggaag gatgagagca 120
agcatttatc agcctttgtg gataagatta aagacttcat agagcccgac ggaaagcttc 180
acggagactt caaacaggtt ggtacagtaa ctctacgcta tgccgcagct aacccacacc 240
tccaacagca acct   254

<210>   29

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

<400> 29
agaatataca aggcatattt gagaagccta ttctagcaac tattataggc gttactcaag 60
aagctattct ggaacgtggt tcacaactat ccgagtagct gttacgctaa ctgtttgtga 120
gtctgtctga tcgcctgata atagcttata atggagcgtg ttgcatggcg ttcgataggc 180
tgtcaagcac cttgccacag ctgtcagact acagtcaatc agtcaaacat aaacgtaaaa 240
cctatataga ga   252

<210> 30
<211> 251
<212> DNA
<213> Artificial Sequence

<400> 30
gttgctgttg gaggtttggg ttagctgcgg catagcgtag agttactgta ccaacctgtt 60
tgaagtctcc gtgaagcttt ccgtcgggct ctatgaagtc tttaatctta tccacaaagg 120
ctgataatgc ttgctctcat ccttccaatc aagaatcaac tggacttctt cgtgatgctt 180
ggcaatggct ttcagagcat ctgagtcggc tggcagagag tctccaatag tctctccgtt 240
aactacccga g   251

<210> 31
<211> 249
<212> DNA
<213> Artificial Sequence

<400> 31
tagataaaag agaagttgca ccattgattg gagtagcttc tttttatatc ctcttaaata 60
gctcacgaga agctctctca gacgtttcat tatagaatgg taacctacta ttagcctatc 120
atttgggaag cctgtcagat agcctattac gtcagctgtt cgtgagtctg tcgtgtgtct 180
cgtcggtcgg tcgtcggtca acgtgtgtcg agactgtcga acagttgagt caatgtgtct 240
tgtcaactt   249

<210> 32
<211> 245
<212> DNA
<213> Artificial Sequence

<400> 32
agcgcttagg ttacgtgaac attggaggat ataaggttgt atatatgaat aggatgccgc 60
ataaaatgca caggcttatt gcagagactt tttgcccaaa ccctaacaac tttccaatag 120
tcaatcagtc aaacataaac gtaaaaccta tatagagacg tcgaccaact gccgaccagc 180
tgttgatagt cttatggagt ggcttctgta ggctatcgaa cggctgttcg catatctatt 240
gatct   245

<210> 33
<211> 243
<212> DNA
<213> Artificial Sequence

<400> 33
catatctatt gatctagttt acataatgtg tattatacaa agttgacaag acacattgac 60
tcaactgttc gacagtctcg acacacgttg accgacgacc gaccgacgag acacacgaca 120
gactcacaaa cagttagcgt aacagctact cggatagttg tgaaccacgt tccagaatag 180
cttcttgagt aacgcctata atagttgcta gaataggctt ctcaaatatg ccttgtatat 240
tct   243

<210> 34
<211> 239
<212> DNA
<213> Artificial Sequence

<400> 34

ttatcagcct ttgtggataa gattaaagac ttcatagagc ccgacggaaa gcttcacgga 60
gacttcaaac aggttggtac agtaactcta cgctatgccg cagctaaccc aaacctccaa 120
cagcaacctt acaaggctcg taatatgttc ggcattggag aagattcgtt aatcatgtcg 180
gcagacttct cacagcagga gccaaggctc atgactcata tgtctaagtg taaggctct   239

<210>   35
<211>   237
<212>   DNA
<213>   Artificial Sequence

<400>   35
tgggttagct gcggcatagc gtagagttac tgtaccaacc tgtttgaagt ctccgtgaag 60
ctttccgtcg ggctctatga agtctttaat cttatccaca aaggctgata aatgcttgct 120
ctcatccttc caatcaagaa tcaactggac ttcttcgtga tgcttggcaa tggctttcag 180
agcatctgag tcggctggca gagagtctcc aatagtctct ccgttaacta cccgagg   237

<210>   36
<211>   226
<212>   DNA
<213>   Artificial Sequence

<400>   36
ttatcattca tagtccagat gcctcccctt tggaagctct ccaaatagtc tgcaatagct 60
tctggaataa ctacctttcc attaaccaca ctccataaat ctctttgact atactctctc 120
atctttagtc ctccactttc tcaacgtgac aaatatcaat ttcggataat ttaacgtggt 180
cataaattgg tatgttctcc agagcattgt caattgcaga ctgaat   226

<210>   37
<211>   226
<212>   DNA
<213>   Artificial Sequence

<400>   37
ttatcattca tagtccagat gcctcccctt tggaagctct ccaaatagtc tgcaatagct 60
tctggaataa ctacctttcc attaaccaca ctccataact ctctttgact atactctctc 120
atctttagtc ctccactttc tcaacgtgac aaatatcaat ttcggataat ttaacgtggt 180
cataaattgg tatgttctcc agagcattgt caattgcaga ctgaat   226

<210>   38
<211>   220
<212>   DNA
<213>   Artificial Sequence

<400>   38
cagcagctac ttcactagct gacctaaacc tgtcggcaac agtcacacct aagtttctat 60
ttgacccagt ctatgacacg aagcctcgaa cattccgtta taatggattg aaacaacctt 120
actacctctt tgtaagagac atcaaccgct ctgtgctacc agctgttaac aaccttctga 180
cagcctatga cagaggcaaa cgcaacttca actatggaaa   220

<210>   39
<211>   220
<212>   DNA
<213>   Artificial Sequence

<400>   39
cagcagctac ttcactagct gacctaaacc tgtcggcaac agtcacacct aagtttctat 60
ttgacccagt ctatgacacg aagcctcgaa cagtccgtta taatggattg aaacaacctt 120
actacctctt tgtaagagac atcaaccgct ctgtgctacc agctgttaac aaccttctga 180
cagcctatga cagaggcaaa cgcaacttca actatggaaa   220

<210>   40
<211>   218
<212>   DNA
<213>   Artificial Sequence

<400> 40
ttttaatagt atccatagtt cctcctaata agactaggag aggcttgcgc ccctcttaga 60
atggaatatc ctcgtcagaa atgtcgattg tgccagtttc ttgctgaccg ttttcgaagc 120
ctttcaatcg agtagtgtca aagccgatta aacgtaagtc gttcaattgt ttttcagtat 180
tgctttcgaa tagagagccg tcgaatactt catctgga   218

<210> 41
<211> 216
<212> DNA
<213> Artificial Sequence

<400> 41
tagcaatctt tgtaagatgc tccaagactt ctgtagcagt catgatgtca gcgttggact 60
gctcagtaat cagccattgg atatacgctt ttacatcagc tcgctttaat aagcggtgcc 120
cagaagagtc attgtagcct acagacctac agctttcagc aatgtttacc gtagctacat 180
aatgctgtgc aaagcgtttc atctttggct taaggg   216

<210> 42
<211> 215
<212> DNA
<213> Artificial Sequence

<400> 42
aacactgttg atagtccgtc cgcccaagcc ttttacaata gctagggcgt agagacgtgc 60
tagtggagag tatttatcca ttttacattc ctcctgcaat taattctgag agctgtagaa 120
cagtttcttg aagcatagca acctgctgct ctaaaggtgg ttcgggaact ttttgaatac 180
tttccataaa cttactcata agctctgggt tgtca   215

<210> 43
<211> 215
<212> DNA
<213> Artificial Sequence

<400> 43
aacactgttg atagtccgtc cgcccaagcc ttttacaata gctagggcgt agagacgttc 60
tagtggagag tatttatcca ttttacattc ctcctgcaat taattctgag agctgtagaa 120
cagtttcatg aagcatagca acctgctgct ctaaaggtgg ttcgggaact ttttgaatac 180
tttccataaa cttactcata agctctgggt tgtca   215

<210> 44
<211> 215
<212> DNA
<213> Artificial Sequence

<400> 44
aacactgttg atagtccgtc cgcccaagcc ttttacaata gctagggcgt agagacgtgc 60
tagtggagag tatttatcca ttttacagtc ctcctgcaat taattctgag agctgtagaa 120
cagtttcatg aagcatagca acctgctgct ctaaaggtgg ttcgggaact ttttgaatac 180
tttccataaa cttactcata agctctgggt tgtca   215

<210> 45
<211> 206
<212> DNA
<213> Artificial Sequence

<400> 45
tctatagagc ttgggtagtc actccataag tggagcgtta agttgtgcat ctttccgtaa 60
gtatcttttg aggtgacttt accagatgtc aactcttcgc caatctttac gtaaggtagt 120
tcgggcagtg ttttagttcc atcccagacg tttatacctt ctgctctgag agcttttacg 180
atagctcgtt gaagacttac ggagga   206

<210> 46
<211> 206
<212> DNA
<213> Artificial Sequence

<400> 46
tgttttagtt ccatcccaga cgtttatacc ttctgctctg agagctttta cgatagctcg 60
ttgaagactt acggaggacc ttcttgcacg gaataatggt ctactcataa gaatcctcct 120
agatgttaat tttcataagc ttatccaaca tcctgtccgt atactcttcc aaagctggta 180
taaagtttgg gtagttacgt tcgacg 206

<210> 47
<211> 201
<212> DNA
<213> Artificial Sequence

<400> 47
gcagatattt acctagactc catcagcgac attgagatag actatgagga tactggagga 60
attatcttat gctctggaaa atttaatcac atattcatgg taaagctttc tgacggcact 120
gtagaagttt tcagagaagg cgatgccaaa tatattagaa ctaatatggc agcttttgaa 180
cagtggaagc caaggtaagg t 201

<210> 48
<211> 201
<212> DNA
<213> Artificial Sequence

<400> 48
gcagatattt acctagactc catcagcgac attgagatag actatgagga tactggagga 60
attatcttat gctcgaagat ggaaaattta agcacagatt catggtaaag ctttctgacg 120
gcactgtcga agtgttccga gaaggcgatg ccaaagatat gagaactaat atggcagctt 180
ttgaacagtg gaagccaagg t 201

<210> 49
<211> 181
<212> DNA
<213> Artificial Sequence

<400> 49
ctactggact atcctgtgga tacacctatc atcatatata ggacatcttg ctcatcagat 60
atttaactag actccataag cgacattgag atagactatg aggatactgg gggaattaaa 120
ttttgatcga agttggaaaa tttatgcaca gattcatggt aaagctttct gacggcactg 180
t 181

<210> 50
<211> 176
<212> DNA
<213> Artificial Sequence

<400> 50
taccagatgt caactcttcg ccaatcttta cgtaaggtag ttcgggcatt gttttagttc 60
catcccagac gtttatacct tctgctctga gagcttttac gatagctcgt tgaagactta 120
cggaggacct tcttgcacgg aataatggtc tactcataag aatcctccta gatgtt 176

<210> 51
<211> 176
<212> DNA
<213> Artificial Sequence

<400> 51
taccagatgt caactcttcg ccaatcttta cgtaaggtag ttcgggcagt gttttagttc 60
catcccagac gtttatacct tctgctctga gagcttttac gatagctcgt tgaagactta 120
cggaggaact tcttgcacgg aataatggtc tactcataag aatcctccta gatgtt 176

<210> 52
<211> 176
<212> DNA
<213> Artificial Sequence

<400> 52
taccagatgt caactcttcg ccaatcttta cgtaaggtag ttcgggcagt gttttagttc 60
catcccagac gtttatacct tctgctctga gagcttttac gatagctcgt tgaagactta 120
cggaggacct tcttgcacgg aataatggtc tactcataag aatcctccta gatgtt 176

<210> 53
<211> 167
<212> DNA
<213> Artificial Sequence

<400> 53
tgctcaagct tttcgatgta atcttaatgg aggatttcca tgacaaccca gagcttatga 60
gtaagtttat ggaaagtatt caaaaagttc ccgaaccacc tttagagcag caggttgcta 120
tgcttcatga aactgttcta cagctctcag aattaattgc aggagga 167

<210> 54
<211> 166
<212> DNA
<213> Artificial Sequence

<400> 54
cacagactcc agactactat gatggagtag atttaacaac ccttaagcca aagatgaaac 60
gctttgcaca gcattatgta gctacggtaa acattgctga aagctgtagg tctgtaggct 120
acaatgactc ttctgggcac cgcttattaa agcgagctga tgtaaa 166

<210> 55
<211> 166
<212> DNA
<213> Artificial Sequence

<400> 55
tttacatcag ctcgctttaa taagcggtgc ccagaagagt cattgtagcc tacagaccta 60
cagctttcag cattgtttac cgtagctaca taatgctgtg caaagcgttt catctttggc 120
ttaaggggtg ttaaatctac tccatcatag tagtctggag tctgtg 166

<210> 56
<211> 164
<212> DNA
<213> Artificial Sequence

<400> 56
gccagtttct tgctgaccgt tttcgaaccc tttcaatcga gtagtgtcaa agccgattaa 60
acgtaagtcg ttcaattgtt tttcagtatt gctttcgaat agagagccgt cgaatacttc 120
atctggaata gatactccag cagtttcttc gaatactttc ttct 164

<210> 57
<211> 164
<212> DNA
<213> Artificial Sequence

<400> 57
gccagtttct tgctgaccgt tttcgaagcc tttcaatcga gtagtgtcaa agccgattaa 60
acgtaagtcg ttcaattgtt tttcagtatt gctttcgaat agagagccgt cgaatacttc 120
atctggacta gatactccag cagtttcttc gaatactttc ttct 164

<210> 58
<211> 162
<212> DNA
<213> Artificial Sequence

<400> 58
tccgttataa tggattgaaa caaccttact acctctttgt aagagacatc aaccgctctg 60
tgctaccagc tgttaacaac cttctgacag cctatgacag aggcaaacgc aacttcaact 120
atggaaagac ttatggagac cgtgttatct ctatgaactg ct 162

<210>   59
<211>   156
<212>   DNA
<213>   Artificial Sequence

<400>   59
ctgattactg cgtagtagtg actaattcta ttcagtctgc aattgacaat gctctggaga 60
acataccaat ttatgaccac gttaaattat ccgaaattga tatttgtcac gttgagaaag 120
tggaggacta aagatgagag agtatagtca aagaga   156

<210>   60
<211>   150
<212>   DNA
<213>   Artificial Sequence

<400>   60
cctgcaatta attctgagag ctgtagaaca gtttcttgaa gcatagcaac ctgctgctct 60
aaaggtggtt cgggaacttt ttgaatactt tccataaact tactcataag ctctgggttg 120
tcatggaaat cctccattaa gattacatcg   150

<210>   61
<211>   150
<212>   DNA
<213>   Artificial Sequence

<400>   61
cgatgtaatc ttaatggagg atgtccatga caacccagag cttatgagta agtttatgga 60
aagtattcaa aaagttcccg aaccaccttt agagcagcag gttgctatgc ttcaagaaac 120
tgttctaaat ctctcagaat taattgcagg   150

<210>   62
<211>   143
<212>   DNA
<213>   Artificial Sequence

<400>   62
gttgctgttg gaggtttggg ttagctgcgg catagcgtag agttactgta ccaacctgtt 60
tgaagtctcc gtgaagcttt ccgtcgggct ctatgaagtc tttaatctta tccacaaagg 120
ctgataaatg cttgctctca tcc   143

<210>   63
<211>   140
<212>   DNA
<213>   Artificial Sequence

<400>   63
gtaagctaga ttgaacactg tttatagtcc gtccgcccaa gccttttaca ctagataggt 60
agtagagacg tggtagtggt gtgtatttat ccattttcca ttcctggtgc aattaattct 120
gagagctgta gaacagtttc   140

<210>   64
<211>   131
<212>   DNA
<213>   Artificial Sequence

<400>   64
tcctcctgca attaattctg agagctgtag aacagtttct tgaagcatag caacctgctg 60
ctctaaaggt ggttcgggaa ctttttgaat actttccata aacttactca taagctctgg 120
gttgtcatgg a   131

<210>   65
<211>   130
<212>   DNA
<213>   Artificial Sequence

<400> 65
gacagactca caaacagtta gcgtaacagc tactcggata gttgtgaacc acgttccaga 60
atagcttctt gagtaacgcc tataatagtt gctagaatag gcttctcaaa tatgccttgt 120
atattctcat   130

<210> 66
<211> 128
<212> DNA
<213> Artificial Sequence

<400> 66
gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg 60
gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg 120
gggggggg   128

<210> 67
<211> 128
<212> DNA
<213> Artificial Sequence

<400> 67
tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 120
tttttttt   128

<210> 68
<211> 128
<212> DNA
<213> Artificial Sequence

<400> 68
taatgcttgc tctcatcctt ccaatcaaga atcaactgga cttcttcgtg atgcttggca 60
atggctttca gagcatctga gtcggctggc agagagtctc caatagtctc tccgttaact 120
acccgagg   128

<210> 69
<211> 19905
<212> DNA
<213> Artificial Sequence

<400> 69
ttcatgcttg ggataattaa tttcatacgt ccatcaattg aaagtcctaa tgaacttgct 60
agagacttta gttgtttaga tgtttcattc ataaccttaa aggcgcctga tggtttccct 120
ttttcgtgca aaattcctaa aatgaaaagt aataaaggta aaaagtacct aaactaataa 180
aggtaaaaaa tacttttatt aataaaagta aaaaatacct aaattcaaaa ataagttacg 240
attcctaaaa caaatatttt tatgctatac ttgaaacaaa gacatattta ggaggagagt 300
aacatggcaa gacctagaaa actaatcagc gcacaagata atagtcattt aacaaaagag 360
gagcgtattg agcgcgagca agaagaacaa gagttatata attatgaaca actttcatta 420
gacgatattc ctgagggaat tactaaggaa gggtggttga tttacgagga ccttgttcca 480
caacttaaac agctaccaat ttcaaaacta gacgctggca tgctagtcat ttattgtaat 540
acttacgcta tttacagtca ggcaactcaa gaggtatctg aatacggtta tcttgacgaa 600
aaagggaaac catcaggcgc ctttaaggtt atgaatgaaa catctaaaca actaaagtct 660
ctagcaagtt cattaggact ttcaattgat ggacgtatga aattaattat cccaagcatg 720
aaaacgaaag aacaaccaga cccgtttggt gacatgttat aatgtttcat gtgaaacaaa 780
ggagtgatac agcaaatgag taaggactat gtaaaaattt acattgacaa agtaaaggcg 840
ggaaaatatc ctgtagggaa acgtattcag ttagctattg agcgacatga acgggactta 900
gagaggtcaa aatacccatc gtttccgtat gaatatagac cagaattagc agaaaaacca 960
atcgctttca ttgacaacct accagacccc aaaagcggta agagggtagg actagcagac 1020
tttcagaagt tcattattgg tatgatattt tcatgggtta aaaaggactc agggtacagg 1080
cgatttacta aagtggtaat ctccatgagt cgtaagaacg gtaaatcatt attaatcgcg 1140
ggtattgcat tatatgaact tctttacgaa cgttcgccaa tggcgtcccg tcaaatatat 1200
tctacagcca atacaaaaga ccaagcgtct atttgtttcc gcatgattaa gacacaacta 1260
caggctgtta gaaagaaatc taaaaaggtt cgtgagttta caaaagtaaa caaatatgac 1320
attgagacaa aagatgactc tttttgtaaa gctctagcct cagactcatc tgtattagat 1380
gggttagatg tttgttgctc catctttgat gaaatggctg agaataaaga tacttctatt 1440

```
gttgaggtta ttgagtcatc tcagtcacaa caattacaac cccttaactt aatgattagt  1500
acaacctcac aaaacctaaa cggacactat catatggagg aatatccaat gactatgaaa  1560
gtattaacag gtgaggtaga ggctgaacac tacttagctc tatggtggga aatggatagt  1620
tttgacgagg cggatgacga ggaaaactgg tttaaatcta accctctttt tgaaaaacct  1680
gacgttcgca cacatatgtt agaacacaaa cgggctaaaa agacagaggg agaggctaaa  1740
ggtaatctca ccaacttcct aactaaggag cttaatttttt gggttgcgga ccaagcaacg  1800
tcatacattt ctgtagacga gtgggaaaag gcgtacacag acgaggagtt tgacatcaca  1860
gggcgtgaag tatttattgg tatagaccta gcacgagtaa atgacttgac cgctgttacg  1920
tgggttattc ctatccctga aaaagaattg tttattgttg actctcacgc gtgggtagca  1980
acaacgggtg gtggtattgt tcagaaagag gctaacgata gaacacccta tagacaatat  2040
tccaaacagg ggtattgtga aatttcttcc cgtcctgacg gtcagtgtga ttgggaggat  2100
atgttaaatt gggttttggc gtttattgag acaaacaatt tagacgtaca aggtatttgt  2160
tatgaccctg cacagtctca attaattacc acaagactag cagacgggta tgaggacgta  2220
ctctttgatg tacgtcagtc ttatatgcga ttaaacccac ctactaaaca attacaagtg  2280
gatatacgag cgggcaaggt ccttcacttt aacaaccctc tattgacaag agccgtgtac  2340
aacgcattta caaaagagtc aaacgattta attatgattg ataaacaagt taaccgcaac  2400
aagattgacc ctcttgacgc gcttataaac gcgtacagtg aagcatactt ttatgagttc  2460
gaggaaataa actggtcaga acgttacgca agcggtgatt ttggttttgg actgtaataa  2520
acgaacgagg caacccaact agggttgtct ttttcgtgtt ataatttata aagaagttat  2580
aattggagga ggttcaccat ggaacgaatt atatatttac ctatgattat gtatatacta  2640
gcgtgtgttt ttatggctat tggtgccttt ttggtagata taaccgtagg ttttatggta  2700
ttaggtggcg cttgtttggc tacaagtttt aagctatcaa aggaattaga gcaggttgat  2760
aacatcaacg ataaaggaga gagtcactaa tgggaatttt tatcagaaac aagccacacg  2820
aagagcgggc aaatctatac cccgtagcac catcaccaat ggttgtggac tttggtactt  2880
ttattacagg gcaatcacta gacgagattg aacatttaaa aaattctgac atttacacag  2940
caacaaacat tatcagtggc gatattgcta aatgtttgat tagagagcga ccggatggaa  3000
ttgtaagtaa acctcagatt gtaaatatct tgcgtagtaa accagataca aacctaacgt  3060
cctacggttg gttgtatgct attaccatgt atacccttt atatgggtct gcgtttgcaa  3120
tcattagacg caacggaaca caagttacta agctacagat tgtcagccct catacaatta  3180
caatcttaca agacacagcg agtaaagaat tgtcatatga gtacattgac cctgacaatc  3240
aaaagaaaga aaccatcaag ggtaaagaca tgttacattt tagactgaac tcaattgacg  3300
gcatttcagg acgctcacca ctaaaagcgc tagtacctga aatagatatg caaacaagcg  3360
gaacacgttt gttaggtagt tactttaaaa aaggtatctt tggtggtgct atcttaaaac  3420
taacaaaagg tagcgtgaat aacgatgtca aacgccaaat taaaaaagat tttgagtcca  3480
ttaattcagg aacacagaac gcaaacagtg tactcgtatt ggacagcaca caagagtatg  3540
aaacatttac ggttaataca gacctattga aactaattca gtctaatacc tttagcacaa  3600
aacaaatagc taaagtgttt ggtatacctt taaatcgttt tggtatggag ttagtaaact  3660
cacaagacgg aacacaaaac tctatttaca ttgctagtac cttatcagga tatgcgagaa  3720
tgatatgtga tgagttaaat cttaaattaa atattgacgt ggaactagac tttgctagtt  3780
tattaaacga tacattagac gaacgcaaaa aacgaatgtt tgagggtaca gccaaaggca  3840
ttgagtatct taaacctaac gaggtacgcg cctactatgg ttatcctgaa acagacgaga  3900
gtcagttttc tagaatgaca ggctcacgta ttaatgtttc acgtgaaaca aacaatcaaa  3960
ataaggaggc tactaatgat gaaaacggag acgcgtagca ttgagattag agcacttgag  4020
gaaaatgagg acatgattgt tgagggttac gctgttacgt tcaacagtga aaccaacctc  4080
tatgagaacg tatatgaaca aattagttca aatgctttta atggggttga cttctcagac  4140
gtccgcgcat tttatgacca tcaatcaggt aacttattag gacgaacaaa gacaggtacc  4200
ctacaattaa acacagacga cagcggttta aagttccgtc tacaattacc aaatacccaa  4260
ttaggtagag acgtctatga gttagtaaaa cgcggtgacc tatcacagtg ttcgtttggg  4320
tttatggtta aaagtgatac gtggtcatac aacgcaaaca cagacacata tcaccgcaca  4380
attgaccaaa ttggtagatt ggtagagatt tcactagttt caattcccgc atatgatgat  4440
acaactgtag cagtggcaca acggtcacaa aaagcgttta aagaacaaaa aagaaaatta  4500
gaattagaac ttgacatttt agaattaatg tgatacagct aactcacccg cggttaataa  4560
acgcgtgtta taattattta agaaacataa taaggagtgt gaaacatgga taaacgatta  4620
ctagaagccc gtgaacttat cgcacaaggt aaattagatg aggcggataa attaatcaag  4680
gaaattcgtg aggcacaaga cgaacaaaca gacgaggtta accctgacga gcaacctaag  4740
gatgaacaac ctaaggatga tgaggcagac gaggttgaac cagaagaaaa taaagataaa  4800
tctgtggacg cggaacgtgc taaagcatta gaggaagacg tggacaaatt agaaaaagga  4860
gaggctagaa gtatggaaaa tgtaaagaaa atcaacccta cagaaaacgt tgctgaagct  4920
gaggttcgtg cgttcggtga atatgtacgc tcacacggtt ctgtaaaagc acctgagtta  4980
cgggatatta aattagaggg cgttgaggca attgttccgg ttgaccgcat tactcaacct  5040
gtaacattac ctgagacaat cgtagaccta caaaactata tcaacgtagt aacagttagc  5100
acaacgtcag gttcttaccc tattttggaa acaactaacg cggtaatgaa cacagtagct  5160
gagttagtag aaaaccctaa attggcagaa ccaacattca aaaatgtaga atggaaggta  5220
gaaacacacc gcggatatat tccaatgtct aacgaagcaa ttcaagactc tgaccctgac  5280
ttagttgcgt tgattgctcg ccacttaaca cgtattgggt tgaacacaat caataaagca  5340
```

gtaatgactg agttactagc taagttcgaa gcaacagaag taacttctct tgatcaattg 5400
aaaacagcgt caaacgtaac aattgaccct gcttacaatc aacgagtttt tgtttctcaa 5460
agcgcatttg ctcaattgga tacgttgaaa gacgcagacg gacgatacat tattcaacca 5520
aacgtagcaa tggcaagtgg taaaacattg tttggtaaag aggtaattgt acttcctgac 5580
gctatcttta aaaacgacac aaatgataaa ctattattca ttggtgactt agaacaagct 5640
attactttgt tcaaacgtac tgaaatgacg gtacgttggc aagaccacaa tgtctacggt 5700
gaaatgttag cgggtgccat ccgttttgac gtagtagcta cagacacaaa ggcgggctta 5760
atgttcaaat taggagctat tcctaacaac gtttctacgg taacagtagc aaatgcgtct 5820
gagttcccta gtggtggagc aggagcctaa taactaaccc attgaggggt aaggggtaaa 5880
acctcttacc tctttttttat tagataggag tgagataatg ctaacaattg accaaattaa 5940
aaataatcta cgcattgacc ataatatgga tgacgagtat ttaacaatgt tacaagaaac 6000
agcagtttct tttttgatgg gagccattga ggtaaaggac caaccaacgg acccacgctt 6060
tgatattgct acaatgtttc taattgccca ctggtatgaa aatagagagg gagtaagcgg 6120
tagccaattg tctgagattc cgtttggagt gacagcactc attcatcaat tacgaggctt 6180
accacgtcct gaggagtttg ataattatgt cctttagaaa atacagtaag ttaaaagacc 6240
gtattactat tcaaatcgcc aaaaaaggta aagacgaaaa ttaccaacct acagtaatct 6300
atgaggactt actatcttgt tgggcgtctt ttgagtctca atatatgcgt gataaagtaa 6360
agactgcggg tacaacttta gaaaacgctg ttaacttcat tgtaaggtat gaccaaaaga 6420
aacagattca gcgagaccat tatattttac acaacggtgt acgctatcgc attgaggatg 6480
tttcacgtgg aacatacagc aaagactttg atactttgat tgctaaggag gtttctaaag 6540
aggacgtttt aaatgaggtg gtaaaatgag tgataattat gtagacttta gtgacatcta 6600
caaagcgctt ggtgaactag gtaaagactt agaccgtgag gcaaataaaa taatgaacga 6660
catagcgcct gaggttgctg aggaatttag caaacgcgta ccatactggt ctaacagtaa 6720
agcaaaaatg agcggtaagc gtggttcata tatgggtgag catatgagag accatgttat 6780
ctatagcaaa gccaaagatg gatatgtaga aattggcttt gatgatgagg ttgcgtggcg 6840
cgcgcacttt attgagtttg gaactatcaa acaaccacct caacacgtga tagaaaagtc 6900
tttagacgca ttgtctaaag atgtacagaa acgtgtagag gatgaattta ggaggcgtta 6960
tatgtgaaac taactacaac actaattgcg gataaactaa gtcaagccta tccagatata 7020
gactggtacg taaactttgt tcctgaggcg gagcaaacaa ttcctaactt accattaggg 7080
cgaattactg agattggata tactcacgac tcttatgcaa gtaataaccc cctaatgatg 7140
gagataacca tacaggtaga tgtatggtgt aagacactat cagaggcgca aaatatttac 7200
tatgaaatgg acaaactatt ttcaggaaac tacaatagtc tatcatatag tgaaattggt 7260
actgaccctg atattgagaa cgcaccacgt atcattaaac gctatatcat cacaagagac 7320
ataaagctag tctaactttg aacgaaaatc atgtgttaaa ataatataag aaagacaaga 7380
aaggatgaca caaacatggc aaaaatcggt tttaaatctg ctcatattca tgtgcccaat 7440
aacgagggta caggctacac aacctacaac cttgacaaaa ctaaaggcgg tgcaattgag 7500
gcaacaatca gtggactagg agcggaggct actacagtct acgcgtcaaa cgttccgttt 7560
ttcgtatctg ctaaaggtac aggtgaaaca accgtatcat tgaatgtttt cgacttacaa 7620
gcgggtggag catatagtgc tgttttaggt attaccgcag acgaaaatgg tattatgaca 7680
gtggggcagg acactcaagc tccttatgtc tctgttactt ttgtatcaga tgacgcagat 7740
ggtaatgagg tatatatggg actgactaaa gttcgctttg ctcaccctga cgttgcgttg 7800
aatacctcag agggtggagg cactgaccct aatactgata ctattgaggg gtctgctatt 7860
agtgactcac gtggatatgt atacgcctct ggtgtgaagt ctgagacgtt gacgcttgag 7920
aaattccaag actttgtagc aaacaaaaca acgccagttg gacagtaaag aggggtaata 7980
cccctctttt tttgtgcgct atatgatata atattaatag aacataacat attaggagga 8040
attataatga ttaaattaga actaaaagta aaaggtaaaa aacaaacatt tacagcggag 8100
aaagtaactg tacgaacaat gcgcgagatt ttagcatact acagtaaaat ggaaaaggtt 8160
gaaaaaggtg agttacaaat gaatgagatt gaggttttag atgatatgct aaacttagtt 8220
ctctccattt tctcaaacac aaaacttact tatgatatgt tagtggataa cgtagccttt 8280
gaggacttat taccattagt acagggagtc tttgaacaag tcaacggggg tacagtttca 8340
aaggagaaat aacaggactt gaggaaaaaa cctttgagga acagttagaa acccttgagg 8400
aaacatattc atccctctta gaaagtagct ggcaactctc agagatagag aacgctgact 8460
actttctttt attacaattg tttggtaaag agtctaaaca agaaaaggtg atggatggcg 8520
ctgactttat taagcgtttc ttaagtcctg aggaacttga aaagctagag aaaaaaggag 8580
ctgattaaca catggtgcaa agcggaaaac cagtaggaaa tatgaagttt ggtttaggta 8640
ttgacggaac cgctgaacta ggtaatacac ttgacaaact aacaaaacaa ttcaaacaag 8700
ctgaaagctc catgaaggca aacatcaaag cgtttgacgg tgcctctgat agtgtagagg 8760
cattggaaca aaagtacagc gacttaacag acgttgtaaa aattcaagag aaacgcattg 8820
aggttttaaa caaacgtaga gaggacgcta taaagaaata cggggctgag tctaaacagg 8880
ttcagtctct aagcactcaa atcaataacg ccacagcaaa atacaatggt ttaactagtc 8940
aactagaaaa aacctccaag gaatacattg acgctaagag tggactaaca caactttcta 9000
aagaaatgaa acagaacgaa cgtgagactc aacaacaagt aaaagcacta aaagacgcag 9060
gggactcagc gggcgcactt gaggctaaac aggagggtct aaaacgttca atctccttaa 9120
ctgagaaagc tattgaggca caaaagcgcg ctattgaaat gagttctcag gagttcggtg 9180
aaaactctaa agaagttgag gaggctagaa tctccctatc taaattagag tcacaggcta 9240

```
aattatcaag taaagctctt aaatcaatgg agaacgctag tgatggactt agtgacatca  9300
aaggtggagc agacgaggct acagatgggg taggtggact attagatggt gtaatgtctc  9360
taaaaggtgg cgcggtaatc ggtgcggtca cctcattagt gggcactttt gcgggtctaa  9420
cagacggaat caatgaatca aaagacgcca tcaataagtt tcaaggtgca ttaggtcttt  9480
cacaagaggg cgcagaaaac tacactcaaa tggctaacga actagttgct gagggtttgg  9540
gtagccttga ggaaatggtt gacgctatga gtagggttga gcaaaacagc cctatccctg  9600
tattcggtga ggacctacag aaccttacac gttacgcggt atcgttttca aagatgtttg  9660
atacagacgt aaatgaaacc ctacgcggtg cgggcgccat tatgaactcg tggggtctag  9720
atagtaagca agcgtttgac ctaatgacgt taggcgcaca aaacggactt aataaatctg  9780
acgaactagc ggataactta gcggagtatg ctcctatttg ggcacaaatg ggatatacag  9840
cagatgaggc atttagtaca atgcttgcgg gtcttgacgg tggagcatat aaccttgata  9900
aggtgaacga cctagtaaaa gaaattggta tctctattgt tgacggacgg ctagatgaca  9960
acatggatat gttttctcag aaaacaagag acgtttttca agcattcaaa gacggcaaag  10020
cgacacaggc tgatgttact caaagtatgc taaacgactt ctcaaaaatg gactctagtt  10080
atgaatcact taacaaagcc tctacagtgt ggagcgcgct aggtgaggac aacagtatga  10140
aaatgattaa agcccttgcg ggggttgaaa acaatttcac tgaggtagag ggtgccattg  10200
atggggttgt cgattcagca ggcaacacta cgggttggga cgcatttagt agttctattt  10260
cagcattaaa aaatgaagta ggcatgcaac tgctccctat catgagcaca atggctgata  10320
ctattgaaaa ctttacaaaa gacatcttac caaaagtagg gcaatattta ggtgaggtgt  10380
ttggtaagtt acaaccaata ctggaaccgg ttggcgatta tattaaaacc atcacggagt  10440
tattatggaa tatgggcgcc atcatgtttg aaaaggttta tccattatta aaacccatac  10500
tagacacgat ttttagtgcg ttcggtagca ttttcaaaca ggtaagcgag ttctataatc  10560
agtatggtaa acaaatcatg gaagcgttca tgaacttcct taattttatt agtccactac  10620
taaaaattgt aattggttta gttggtgact ttgtcaacaa tgttatcggg ttcattcaag  10680
gtatggttga cactgttatg ggtattataa aaatattcac tggactattc acaggtgatt  10740
ttaaactcat gtgggatggt gtcaaacaac tattctcagg agcaatcaag gctatctgga  10800
actggttaca aattctattc tttgctaaaa tcataaaagg agtcaaagga cttgcctctg  10860
gttttggtaa tacaatcagt ggtatgtgga caagtgtcaa aaacttttтc actacaggaa  10920
caagtaacgc atggaacctt gtaaaaggtt gggcgtcaaa cattggaaaa ggcgtttcag  10980
gtatcaaaga caacttcata cgtgttatag gtaacttgtg ggacggtgta aaacgtactt  11040
ttagcggtgg tatggacaca gttgtcaatt ggataaaagg actgcctaag aaactagggg  11100
acggaattaa aggaggcgct cacttcctaa aagacgcatt caaaggtatg tttaacggag  11160
ccttgaaagt aattgaaaaa ccagtgaacg gaattattgg cggtgcaaac tgggttttag  11220
aaaaactagg catggacaag ttaaaaacat gggaggcacc tgaatacgcc aaaggtacac  11280
caagtggcgg tcaccctgta gatggtccca tgactgtcaa tgatggacgt ggtgctgaaa  11340
tggttattga cccaagtggt caagcggtta tccctaaagg taagaacgta acgatgtggg  11400
gacgaaaagg aacccacgtt ttaacagcag aagaaactgc acaagtgtta ggtcataaac  11460
gtcctaagtt tgcatacaaa aaaggtactg gcttctttga caaaattaca ggaggcgtaa  11520
aaaacatctg gaacggtgcc aaaaacatgg ctaaaagtgc gtttgataag gttagcagtg  11580
ttgttggtga cgtttgggac tacgcaacta acccaagcaa attagttgaa aaagtattct  11640
ctagcgtagt agacacctca ggtctcataa aatatcctct agacgttgcc cgtggaatga  11700
ttaagaaagc tactagcgct cttacgtcac gtgttactga ggcgtttgag agcgggagcc  11760
tagatacgtc tgtaggtaca gcgggtgtgt ataaatacct tactaatgta gcgcgtaagg  11820
tgattgccaa ataccctggt atgcgcgtaa caagtggata tagaccagga gacccatata  11880
gtcacggttc aagaaacgct attgacgtag catttcctgc aagcatgaac gggtcaagta  11940
aataccgtca agcgggtaac tatgcttttg ataactttaa atcacaagtt ggctacgtta  12000
ttgctctgaa taaagtacgt gaccgcgtgg gcacatctgg aacgggtatt catgacacat  12060
ggactaattg ggcgtcaggt ggacacatgg accacttaca cattaatggt gtgaaagacc  12120
ctcagtcaca aggtggagca attgacacca cagcaacagg gtcaggggta gaccgttggc  12180
gtgcaactgc taaacgagcc ttacagatga caggacaatg gacaaccgca aacctaaacg  12240
cgctgatgaa ccaaatgcgt acagagtcca atggtaaccc caaagctatc aacctatggg  12300
acattaatgc tcagaatggt attccgtcaa aaggtctaat gcaggtgatt gaccctacat  12360
tcagacaata tgcaatgaaa ccatacaata aaaacattta tgacccatta tcaaacattt  12420
tagcgtcaat tagatatact ttagcccgtt acggttctct aacgcgcgga tggcgcggta  12480
ctggttatgc taacggtgga ctcatcacac gagaacattt agctatggtg ggagagggta  12540
ataaacctga aatggttatt ccactagaca aagccaaacg ctcacgcgct atgtatctac  12600
tagctgaggc acaaaagcgg ttaggtgtat cacaaacaac cgtggtagct ggtcagggtt  12660
ctaatgatga gctaattgct caattgattg tacagcaaca acaaacaaac gcactgttac  12720
aagcattact agaaaaggac acggacgtct acttagacaa acgtaaagtt actgcggaac  12780
taaaccctgc tttaactaaa gataagcaac gcggacaaat ggtatctaac agacgtcaag  12840
ggcgtttagc ataacctaag gaggcttaag cctccttttt tgtgttataa tgattagaga  12900
tagaaaggag aatgattcaa tgaaaattga aaaacaaatg cgctcaggtt taccacaagt  12960
aggggtaaga ccgtatggac aaattcacgt acacagtacg gggaattcat catctacagc  13020
gcaaaacgag gcagactatc atatgcgcag acccgtcaac agtgggttct tctcgcacgt  13080
agtaggtaac gggcgagtaa ttcaaacagc acgcacaaac gcgggctttt atgacgtagg  13140
```

tggcggatgg aactcgtggg gatatgcggc aattgaattg attgaatcgc acaaaaccaa 13200
agaagagttt atgaaagact ataagctact agtagaatta attcgtctat tatgtgatga 13260
agcgggacta cctaagacgc tagaccaagg gaatacaggt gtcatttctc acgcatatgc 13320
aacggcacat caaccaaaca atggttctga ccatattgac ccctatccat acttgcgtaa 13380
atggggaatt agtaaagagc agtttgctaa agacattaaa aatgggtttg gtggaaatag 13440
ttccaatact gacaacaaac ctaaaccaaa accacaaccg tctaaaccaa aaatcacaga 13500
cacacgtgat ttccctgtag gtagtaaagt aaaagtacgc gccaaagcaa ctaaatacca 13560
aacgggtcaa ccagtgccaa actttgtaaa aggtaaaaca tacaaagtaa aagaacgtaa 13620
aacagttaat caatctgtaa gtaaatatgc gtttcttgtt gatggtatta actcatggtt 13680
cttagcacaa gacctagaca cggcgtcatc taacatgggt aatagctcta aaccgtcagg 13740
agtccttaaa tggacaactg aaaatgctaa ggctactact aaaggcgtca tgaacgttcg 13800
tgcaagcgcg tcaacaaatg caaaaatcac aggtcaatta cctaaaggat atacgattaa 13860
atacaacgca tgggcttatg atgggcgcta tacatgggta cgctatcagg cagataaagg 13920
tacacgctac atggctgtac gtgaccataa aacgggtgaa gtatttgtaa catttagcta 13980
aacgaaaaga gaggtttata cctctctttt ttagtatact ttcatattta cgttgtattt 14040
acttaagtct acattttcat gagtattgta ggtcttattt ttccaatatg ttaccacaga 14100
ctttttaagt aaactaaata caatacaata attgtattcg tctgtataag cttttgtgct 14160
acgtaacaca actctcttgt ctatcatata ggcgccatca aaaacttgct tgtactcaat 14220
aacttcataa tgactaagaa catccattat aatactatta tctactttac ccaaacgttt 14280
actcatacgt tctttacaat gataactagt cctaattgtc tctttacaca ttcctcttgt 14340
agcgctctca accatattca caacagttac aatctcttgt gggttcatct gcttaatgtg 14400
ttttttcaac tcttttctca ttatgaagtt cctccctata ctgattatac taataatata 14460
atatattaaa tttatttttgt caatgactgt catcaacttt tttaattaga attatgttat 14520
aatagaatga gaacattatg aggaggttat aagatggcac agcctgtctt tttacgaaac 14580
tttacattaa atggtgtaga tattggtgag ttatttgtgg taggtactgt aacaattcca 14640
ttcctaaatg tagaacgcgg atattatcaa gtgggtaatt cagacggtca gaacctacaa 14700
tatacaagaa taggcaataa cacgcttact tttgatggac acttgattac agaacactca 14760
ggactttcta ttagtgagac aaaagattta ctagttgcac aagtaatgag tagggaacct 14820
atgaaactag tgtttgacgc attacctgat agatatttta acgtagtgtt tgagggcacg 14880
caagagtatg acgcaactaa tttagacatt acaccgttga cgttaacatt ttcatgccct 14940
gagggtgtgg cacactctat tttaagtgac ccatttagaa acacacaaag tacatctaca 15000
aacatgctag tagatagtga atttcaaact aaaacatatt ggtctgatac tactactgta 15060
ttggaaacgc agagaaacgg ttctaatgta ttgtcattag acttttcaga tgaacaaatt 15120
gaggacatgg gtctagtggt tcatgatttt gtttcagatg atgtctttta tgaaacagat 15180
gacctaaccc aaggctcaca agtaacgttt gcaactaact acggtatacc aaaggttagt 15240
gagtttgatg atgatggttc tagtaccttt gaggttgtta ttgatgaaat ggataagata 15300
aacggtaaag tattgcatac acatactaca cctttaccaa ccaatgggga ggtacgtacc 15360
gcatacgctt tcaacgaaac aggaacagac cgtttctcat tcaatgacga acctaaccca 15420
aatataatac ctagtgggca atctgaacaa ccaacactag tgtctgacgg aactagtgaa 15480
tttacacgaa caacaggggt ttctgtacca gaatggggtg ctagtaatgc tgtcaattat 15540
aaggtaacta agaacacaag taataatctc ataggtgtgt tagaaattaa aggaacacag 15600
tacatcatag gacaaaacta cacgcatagt atatatgtaa aaaacaacgg tgataaacct 15660
atttctattt caaacagaat gggagtgggt aaaacaatat atcccaatga gagtaagtac 15720
attagctttg aaccaactta caccatgggt tcaacagata tggggtttaa tttctactct 15780
gacgcaacag gggacttacc tgatattaca atttggcgcg ctaaaattga ggcaactaat 15840
gagggtgcta cacagtggac agacggtaat acacctacag tagacaatac tagccctaca 15900
tatgtagggt atagtaccac ggacactgta cctgaggaca ctgcgccaaa tatcctatta 15960
aacggttcac aggacaatag tatacagtat tggggaatct ttgacgcagt aacggctaca 16020
ccaacagcag gagccactaa attaactaaa acagcagtgt caacaatacg tcctgcatac 16080
ctatcaaatg gctacagtgc tttgcgcggt acaacgtaca ctgtatcagg gagtgtattc 16140
atctctaagg ggtggactgg tagtctagca acaacagaat taattgtgcg tgttacctac 16200
tatgatagta cgcgcgaaga tggaaaagtc tcaatcacaa acacaagtac agacaactgg 16260
gtgcggtatt ctgctagtat aactacccaa aataaagcaa tcaataagat agaagtgctg 16320
tttgttatag acccttcgtt tgtaggtacg ttttacgtaa aaaactttaa actagaacaa 16380
aatgaccatg ctaccccgtt catccaacac attacagaac gtggtaaact atatacgtgg 16440
tattcaattg gcacaggact agacgcgtct acaattccaa tgactcgcac cacgcaaaca 16500
tataccattc aaaatgaagc tactaaagtt ctcagattga gcctaaatgt atatggtaat 16560
gcacacgttg ttattaacag accaatgcta acacgtggca cagatgggac atacgtggct 16620
tctgttaagg agtttctaaa gactgtacct gttaccaatt atggaacgtg gaaaagttac 16680
ccaatctttg aaatcaccaa cgcagaagaa aacggtatga ttgctgttat gaacgaaaac 16740
ggtaaagtcc tacagtttgg caatgaagaa aacaaagacg ctacagagcc aattaaagac 16800
gaaattggtc taaatgaaaa ctacagaggt acgaaattgc caactggttt caccgtcaat 16860
agtgggcacg tatcacagta cccaaatacg tctaacgacc ctgctagacc aaacctctac 16920
atgggttcat gggactacag cccttctgag gcgtttaaac ctaagtgggc tacaacattc 16980
gcaccaaacg catggtcagg accttccctt acaacgcctg tcaaagcacc atcaacaggt 17040

ttacgaacag gagcctttaa atttgaggaa cggatagact tcggtactac gtcagaaaag 17100
aacggacgtt atgagttggt tattttgaca gacgctaatg acatattaat gtctatagcc 17160
atccgtgact ctgacgcaaa aggcaatgaa gtgattgttg aatactggta cggtaacaag 17220
ttactaaaat ctatcaagac agacgtaact aagtacaaat catcttggtt ccgctgtaca 17280
atgacacgtg accaaacggg taagaagttc acttggaact ttgagcatat ccaatcaaac 17340
aacggaatta aaccagttac aaaaaaccca tttacctaca atgcacctgt agcaaacaaa 17400
gcttccgttg ttaaaacatc tagatggcta ctcaagtata aagactcagt agccacaagg 17460
gaggtagtgg ataaggtaac atggacaatg aaatctaagg aagtcctaca cattcgtgca 17520
ggttccaaga ctagttacaa gtcatacggt ctgttaccta agggcgtcac gtttgaaaca 17580
accaaacgtc aaacgggtca aaagattatt aaaaacaacc aatggtatta tgtaactaag 17640
aactcaggta agaaaatacc tgcctcagga tgggtcagtg gatattacct acaaaacact 17700
aaacgtgtgg aacacaagaa gaaagagacc tactctattg ttgcaaaaat gcaggtgaca 17760
gattcaagat tcacatggat gggaacaggt aaatctaaag aaagtaaaaa cccatttaaa 17820
gcaggggaca agattgtcat aaacacacat gataaaacct tctttgtaaa tggtgtagaa 17880
cgtgaggacc tagcaaccat aggaaatcag tgggaaggct tcgcacttga tgtaggagaa 17940
catttcctac agttcattaa ctcagattgg gctacagaca ctttagaagt aactgtgaag 18000
aaccaacgaa cctacttgta ataacatcta gccactcgcc aaagagtggc ttttttatgg 18060
tataattaat aaagaaacaa gtgtaagggg ggtttttaaa atagaatttt attttactga 18120
tagggaattt aacccctatag gaattgcgtc cacagatgga gcaggactca ttaaaatgtc 18180
agatgaccat gagataatca actatgaaac agatgacatt atagagttca caggggtatt 18240
acattttgat gaatcacaag agcagttagt taaagttaaa gaaatggcgc agttgggtaa 18300
ttatctaatt tatagacgac ataacggaga tagtgcctgt cttactatca tggacttcac 18360
acacaaccca ttggcgggaa cacgtgagat aagttgtgaa gatggtgcac ttgacttact 18420
taataatgtt gtacctgcta ttaaaaccac gtcacctcaa tcgtttcaat actactggaa 18480
cattgtcatg agagacacgg gctttacatt gggcgcaaac tactttagta atcagacacg 18540
tactttaaac tatgataatg agacaacagc agtggagcgt ctaaggagta ttatttcaga 18600
ctttggaggc gctaagttta ccattgactt tgagtttgaa aacatgcagt taaaaagtaa 18660
aacaatgaac attgtagagg atatgggggа cgagaaagat attactctac gtgttgggcg 18720
tgacgtagat tcaatcgtaa ctacaggtaa catttatgag ttaactacag caatacgagc 18780
attaggtggt acaccagagg ggtcaaacaa ccccattaca ttaagtgggt tctcgtgggt 18840
tgacccagat gggcgtttta aacttgagaa tggggttatg attgacacgc aagaagctcc 18900
taaatggtcc agactcttat caacaacagg aggtttgttc acacgtgctg taacgtatga 18960
caccttgat aaaggtaaat tggcttcact tgctgttagt gaattgaaaa agaaaagtca 19020
acctgctttt aattatgaag taaacgtagt caatgtacct tctgatttaa atgtaggcga 19080
taggataaac attgtagatg aaaaagatga attgtatcta tcaggtaaag ctctaacaat 19140
tgaccgctgt agcgcagacg ataccgtcac attaacatta ggtgattttc gtattcaata 19200
ttcaggtatt gaccctcagt tgctacagat agcgtcagat ttttcaaaac agtttgacaa 19260
cagtattccg tctgaggtaa ttattacacc gtctaaacag ttttttgtaa atggtgaggg 19320
tacaatcagt atatcagcta aagttgtcaa aggcaaggat gacattactg ataattttac 19380
ttcgtttgta tggcgtagat atgacgcctc aaacgtatta gacacatcat ggacagcaac 19440
aggaaaaaca atcacagtaa atgcaggaca atcaaatgta tatacatatt attgttctgt 19500
agattattag aggaggtaaa aaacatggca ttagagtcaa agccattgag tattgcaaac 19560
gtacaggatg gtcaaaatcc atttttacac acagcttacg catggagtag tgatggaaaa 19620
gagaggttca cactccaata cccaaatgat aatttagtat tgaattatga tttctcgaaa 19680
gaccccacta ttaatggttg gacaggaaat ggtgcgacta tagaatattc aaacgggaac 19740
atgcgagtgt tgtttaacga ctcatcaact aacagaagag tctattatag caatgactta 19800
ttaaccaact acttgccagc aggagttaaa tattccgtca caatagacgc attcagcaac 19860
aataatgggt taattagggt aggtaatttt gacgctctca gtaca   19905

<210> 70
<211> 5499
<212> DNA
<213> Artificial Sequence

<400> 70
gggggtattt tttagagcgt ctaaaatatt tctaaggtaa ttatacccag aacacttaga 60
acgtatctca gagcctctca gagcgtttta gagcatgttt gtttttgagc gtaaaaaaga 120
gagggttatt tccctctcaa tttgtttcta ttactgtttg gatgttcttg tttgttgtga 180
caagaaaaac aaatactttc taaataattc atatctaacc tatgttccca tccctcagag 240
gttcgtatct ccgtggtatg gtgcaccatg tctgctttgg tagtgatatc tttgctcata 300
catacttcac agaatggtgt ctctaatagt tttgctttac gtgttgctct ccattcaggt 360
gtgtgataga acatattgta tttactattt ggcttactat atcttactct cctattgtat 420
tccttaccgt tgtctccttt gtgtatgtca cagtacattg ttcctacagg taccttgttc 480
ctacaatagg acacattaca tttcttcatt ggcataacta cactacctcc atccattgtt 540
gtatcatggt atcactaata gatacaccat tggttatact gtcatatacc ttttgttcta 600

```
tctcattatc agctaacagg tagtagtaca cagggtcact ggtagatgtg tgccgtgcta  660
tccgtccctt catttgttgg tacgtaatac tagaaagggg tagctcgtag aataccatta  720
tgtgggatgt agctaagaag tttacccctg tacttcctgc cttgaattgt actagaataa  780
tcgcgtcctc atgttgttcc catgtctcta agtccttaat agagccatta tatattgaga  840
taggtctatc acctttagac aattcctcta ctaatctatt acacgtttct ttatattgat  900
agccaataac aacgcgttct cctttagttt cttctagtat gtcttttaga cggtctgtct  960
tgctgttttt agctacttta cttacatatg gtataaaacc attagacgca accctaagtg 1020
cgttaaacag cttgctaggg ttatctaatt caattatgtc acctgagtct gtttcatata 1080
ctctatgtgt gcgtagtttc ttaaccattg atggtgactt gactttatac acaatatctg 1140
atgggatgag tttgttgtca cgtttaatag caacgctgtg ttctttgagt agctcattta 1200
attcctcagt gtttctatat cccacaatcg cattataaga ccgtccacct aaatactgtt 1260
tctcttctat acagtagcgt tctctaaaag atttccacgt tccagagtat aaacctgcga 1320
ttttcaattg agaaaaccat tgttctaaca ttccgttaga aattggagtt ccgctcatta 1380
aataggtgtg tcctgctttc ttacttactt tcatccaaaa cttagttacg tttgcgctcc 1440
tgtttgctag acagtgagac tcatcaaaaa caatcatagt gtctttatct ataaatttca 1500
ataattcagg tgttcgccat gatgattgaa agctgattga tacatattgc gttcctgacg 1560
cctctagaag ctctcctctg agctttggag acccacttag ggtaattata cctaaacctt 1620
gtttagaccc ctcagaagcc caatcagaca ccttagacgc aaggcacact actacgagtt 1680
tctttagccc tgatttttta aacgattcta atgccatgag tgtcttgcct gagccaacct 1740
cactatgatt tagattatgt gtttcccatt tgtctatgac catttgctgt tgttccgttg 1800
gtattaacat tatattacct cctccacatt agtctatcat gaaaccatgt agggttgttg 1860
tgttgggtag taggttatat tttgttatta ttgtacacat tcaaaaaccg tgtacacttt 1920
ttgtacaaac ctgttttacg ccttgtgtat caatgtttca accctgtttt aaccattgta 1980
gtgttgtggg atgacctcag ctcttataga aaacaattac attttccacc taccataaac 2040
accattatat cagtttttgt atatattata tattgtattt atttttttct ttatataaag 2100
taataaaaaa taataaagaa taaaagaaca taagtaaacc ccacgacaca cgtggtattt 2160
aaccgtacca aaaaaatggt acaatcgtgt acatttgtac caaaaatgtc tcaaaccctt 2220
gtcccccaac gcttaaaaaa ccgtacacca ccctttgtta ttttattatt tttgttattt 2280
aattattatc atcaaaatgt accccaacaa ggtgtcccca tcaagttacc ccttgcgctg 2340
acgtaaaaag tatgctaaca taataaacga agaacgaaag gagaaaacag gcatgatgat 2400
tcctacaata cacacagaaa tgacaccaga agtaaaagac atttatccat taacctattg 2460
tcgcgataag gtggacctac ctatagacat tgagtacacg aacagaggtt cgcgctttgt 2520
cgttggtgat attgattata ttgcacagac aattttaaat aatactaccc tcatcttatc 2580
cacagatggt aagagtgcat gggtattgaa caaagatacg aacatttggc actatgtttc 2640
taataatgta cgtgaatttc tactatactc tgtcatttac ccacaagcgc aagagtttaa 2700
aagtggtgat agtgataata aagtaggtac gttcttaggt aaagttgggg acaaggtata 2760
cgaacttgtc aaaggtaacc ctcaatttaa agagggatat ttcaacgata gaacgaacga 2820
taagtacaga taccttggtg aatgtgcgta ttttcaaaac ggtgcgctaa acatgcgtac 2880
attagaacta cgtccgtttg aaccatggga ctatagaacg caagacacca ttttacccat 2940
tcatgtaaaa gagacacctg tgacgctacc agagattgag aaaaatagac tatggcaagc 3000
ggtcaacttc tttactgacc cactaagtga aaaagcatta tgtgagttca tagggtcatg 3060
cgtctatgag aacaaacctg aggctgttca tgctcaaatt gttgtctcac gcggtacacg 3120
caacggagga aatggaaagt ctattctaat gaccaaaatc ataggctcac cattgtttgg 3180
aaaaatgtac acagaactcc catctaaccg cgcatttaac acaaaaggtg agtttaatag 3240
tgcgttacta gttgacaaac agttgatttt cattgatgaa ttgaaccctt ataatttaga 3300
accagaggta tttaaacaac aaattacggc tacacgcatt aaggtgaatg aaaagggtaa 3360
ggctgaatat gacgcgcgct ttggcggaca ctttgcgggt gctagtaatg atgtatttaa 3420
agtacgtgac gcctcagatg gttcgttaag acgtattttg ccaattattt tcaataagca 3480
agtgacaaaa ggtgatgaca aagtaacgtt tatgcgtcaa tttaaccctg atgtgtctac 3540
tgagatgaga gacgcactaa acaacgaaca tgagaaagct gagtttatta gatggtgtgt 3600
acaggagtat gctgaactat tgaaacgcag agaggacgtt accgcagacg agtttgtgtg 3660
gacgctatct gatgaggcta aggaaatgcg tgaggaacta gtacgtagta aaacacctgt 3720
tattgattta gcctttaata gtggactatt tgagcacacg ggtaatgagg gtgaccttgt 3780
tgaattgaaa ctcttcacgg acggtattct tctagcaaac agatacaaca cagatgatag 3840
aagtagaata acgcgtaaaa tggtaaaaga ggacatgagg gactatatgt acaatgaggg 3900
taaacgttcg cgtattaagg caatatgcac gaaccctaag caacaccacg tagatgactt 3960
gaatactgta gcgggtccac gtgtgtacgt gagtgggttt aagcttgcac atgatgacct 4020
tgacagtgat ttagaaaaga attggtttga gacgattaag aagcatttag gcaaacacac 4080
gattatggaa gaggtttttg acgtttactt acaacctgag gaggtatttt aaaggaggaa 4140
taaagatgtt aggttgtgat tattgtaaat ttgaaccaat gagggagaca ctattttcct 4200
cagattactt atggagtggg aggactgaca tgactgaggt gtttataaac gggaaaacta 4260
tgacagtcac aactgaggtt gacaaccaag gttataccgc tcagtttgag attcactatt 4320
gcccaatgtg cggtggtaag ctgattggag gaggtttttg acgtttactt acaacctgag 4380
gaggtatttt aatgtttaag gttgaacatg ttagattaac agaatataat gacgcctata 4440
tgagtgtact gttgtttagg cagaaagtac gtagatatta tttaactgta aacggtaagg 4500
```

agtcaagaga gtataaatac cacttgtggt ttttgcaaaa agtaccacta ttgtataaaa 4560
ttagtaggta tgtaaatact cgtatagcaa taaaacgcat tgaaaacatg gggggagaac 4620
gaaatgggct actttaagaa tttgttatta gcgttgggtt atattgttgc tttgtttacc 4680
ataattaagt tgggtgcagt tggttttggc tatttaatga cattagtgag ccatttgtca 4740
ggtttagtac atactctagt gtgctttatt agtaacacac ttgattctga accgcttaca 4800
ggtgtgtttc tagcctgtat tagtgcttca cctctaattg cattgtgtat gtggcttgat 4860
gataaataga atattctcat taaactctaa tggtttttta attgactatt agagtttaat 4920
tgtttatact aggttcataa ggttgagggt taagcctacg gggtgaacga gtaccaacca 4980
ataaagacaa gggatggtta attatgatta aggtgatgaa ttgggagtat gaatatggaa 5040
tgaaacgagt agcattctac aaagaaattg gtcatgagat tgagctttta gatagagaaa 5100
aatgtataca cttttataga gacggacgtt attatgctac aattgacaaa aaaggtttta 5160
gtggtggtta tcaccttaaa caaacactaa attaggggag gaatttaaat gaacacatat 5220
acagtttatt accgtaacat tgatgagcac tattgctgta gtattcacgt tgacgcatat 5280
actattgaac aagctattaa taaagggtta cagtaccttg aatatgaaga acatttagac 5340
tactcagaaa ttgagatttg tcacgttgag aaagtggggt aaatgaaatg acaccagaaa 5400
acgttgaaaa agagtacggt gtgtacgttg ttggaggaga cattattgat atattagacc 5460
atgtttttcc aagctatgaa gaagctttag aacatgcta   5499

<210>   71
<211>   5324
<212>   DNA
<213>   Artificial Sequence

<400>   71
cctgttacat atgagtcatc acctttaata taggttactt cttctgtttc aagttctccg 60
tcctcatttt caactggttc aagtttaccg gtttttactt tgaataagtt aacagcttta 120
tcacccgttt tcacagcaaa cacacggttt actttctgtg cgtcatgttc attaccatca 180
ctatcaacgt atacagtctt gtcaaacgtc caacctgttt tagtaataat ttgaaattga 240
cgcaggtcat cacattcagc aatatattgt ttgtaatcta caccgctaac aacgtagttc 300
agaaacgcat tagagacaac tgcttttgag tattttaacc cacctgtaag cattattcca 360
ccgcgcacct ttactttacc tttagcgtca ataccaatat aattgttgac atctttctgg 420
tataaggcaa tgaactcatc tttgtccaat acaataccta cgcgctcaga aatgtcatca 480
cagaacgcgt ctgtaatacg ttcagcctcc tcatcatgag gaatgtaggc gtgacagtct 540
gtgttgctct gtaacatggt aacatggtcc ctaattccct cgtagaagtc agccataatt 600
aattgcccaa tcacacatgt tagaaattga aaacgtgggt catataaccc attaaactct 660
gcacctgtgg caccaaacaa tgtattaata ggcaatttta ccccatttac taacacatac 720
attggtaacg ttacttcgtt cattgtaatc tctgtttcat ctgtatattt agcctctaga 780
cgtttatcta agagttcttt cactaggtgc ttattctcct caggtacgtt acgagaaaga 840
acatcaaaat tcacatacac attagggtac aaactaccgt agtcacgcat gagaaagcgt 900
ccaatgtgaa taagctgttc aacagctccg tggacacctc ccgcgccaaa ctccataaca 960
taaccagtat tagggtcagt atacgttcct ttagctacgg gcttaccttt tttatttagg 1020
tcaaactcat ggtctaaaaa catttctcta atctctggta tagttacatg aatgttttca 1080
ggtaatgtaa atggttcagt aaggtcatca cgtacactat taggacggtt ggcacccatt 1140
aattgagcta ctaaattagc gtttgtttgg ttaaatgctt gtttatcaag gttgaacatg 1200
gcacaaataa acgctttagc aagtaaccca tcaacacaac catagaagcg tagctcagtg 1260
gcgtctacgt ctttccaaca ataagcaacc tctttgcgta gttcctcatc tgttagttta 1320
ccgccttgtt caaagtcaac atccgtctct ttgacttcta accccatgaa accctcatgt 1380
tctttcagtg aaaacccttt gtgttcatgg tacaggtcac aacctagaat aggagttttc 1440
ttcgtgttaa agagtttata aataagtcct ctatcatctg acttaataac agcctgtgac 1500
aactgaaacg cgtctttacc ttgtaaataa ccacggagca cattattatc ataactagca 1560
gagttataac cagtaaatag actgtcacgt acttctaaat accatttacg cgccttgtct 1620
aggtcattga caatttccca acgtttacca ctaaacaaat ctttagcaca aatgacaaaa 1680
tcttgctcaa atacctcaat atcataaatt actaaatatt gtttcccgct tggtttattg 1740
ggacgcggtg gaacttcatc aaccttgcct gcaatttcag gcttacctaa attatagaac 1800
ccatctttta actcaatgtc taccctcacc actgatagtg gctcaatgtc ctcccaacgt 1860
gtaaaatcag gtttccaatt cattaagtaa gaaacagcct ccctacctgt gcgtgtctca 1920
cggagtttca ggcgtctcat tgggttacct tttttagatt gtgtttcaat gttctctgta 1980
acaacaacct cttttattcc ccctgtcatg gggtcataac tcatggcgtt accttctaat 2040
gttttccaaa gttcaaacat ggtacgcgcg ttctcttttt gttgcttagt tggtgtgaaa 2100
atagtgttca ttaatttcat ccccctcgtt cactagtata taataaaacc ctcgcttatg 2160
caagggttaa ttttgtgaga catccataat gtcaacagac tgtaaaacta atgtgtcaac 2220
tggtagcaac ttatcaaact ggttacctaa ttgttcccac atttccataa ctgtaaccca 2280
tccgtcacca ctaccattat aaccgttgct agggtcattc atgtcaacaa gaacccatcc 2340
acccattaaa ttagatggta ggaaaaaccc accatattcg cgtacccata ttgaatggag 2400
taagttatct tctgtaggta tagttttctt agtcatattt acaagtttca taagcagtta 2460

cctcctataa ttcctctcta gccttttcaa taaactcgtc tatactaaca taaccaagtt 2520
ttagaagttg tgccacctgt agcattgcat agttagcata taatgtgagt gttcggtcat 2580
caacaccttg ctcacgcatg tcgttttcta aatcaattaa aatacggtct gtgttttcaa 2640
cttctactaa taactcatag ttattcatct tcgttttcct cctcatctaa catactaagt 2700
tcttcgcgta agaacttgac aacccccttct aatagctcaa ttgtttcctc tttgtttagg 2760
ttctcacctt ccccctctat tgctcccgtt gccttacctg tgttcatgtc tacagccaaa 2820
ataagtaaat cagtatgaat gttcattatt tttcctcctc aaatttaatt agcgtatcta 2880
aatacacacg tgccttttca aggtcagtaa tgccaccttt ttctttgtgg cgtttaatgt 2940
acttataaat gttaccaatt aagaaaccct catattggtc atctgttagt aggtcatctg 3000
ctaagacgtc aaacaattgt ttacctgaat tggttgaata acgtgctgta tctgtcagtt 3060
cttcattcac catattagcc tgtggcttat cagtttctag cacattttta ataaaagtgt 3120
aattatcatc taagtactct tcattataaa ggttatcatt atcacctact gtaccccacc 3180
agtagccctg cttagtgtct aattgaatag tcttaccttt gaaaacatct tcacccccta 3240
catatgttaa aatgtcaccc tttttgtatt gacgtcccat actattcctc ctatgaaaat 3300
aagtgtctgc gcgttgttag tgctgtaata atgtcaatcc atgaaataac cactggtaca 3360
cccgtccaaa ataagaatag gaacaagaaa cctgagccaa gttttccctc atacatacgg 3420
tgtaagccaa tgcctccaaa caacaaagca ataataacat atagtcctaa acttggttta 3480
ttcattctag tagtcctcca ttaatgtttg tatgaaatcg tttaactcgt ccacgtagtc 3540
gtatagagaa tcaaggtcat caattaattt atcatttttc tcaatgagtt catcaacttc 3600
cttatctaaa aattcaacct gaccacgtag gttattattt agctgactaa gttctgcgtt 3660
ttcctcaata agctcctcat tgtcctcaat tagttcagct atgcgttgac ttttatggtc 3720
aacctcatct gctaactcgt ctacctctaa acgagcgtct aacaactttt cccttagcat 3780
ttcgttttct ctaatgaggt tattacgttc acgaagtaat agaactttat cctctttatc 3840
aaggttctca ggcgtttccc atctattgga cattaggttc actctcctta taagtgaaat 3900
cacttgcgaa aaatgaagcg taacgtttat cattaatgtc tgtagggaat acccaagtta 3960
aatcactagc ctcaatgtaa atgctatctg tttctaagtc aagcaatgcc tcacgtccaa 4020
tgagtaactc ctccttacct acaggcggtt ctactgtacc tgtaacaata acaggtgtca 4080
cttttgcttt tcgccattta ttaatcgtta cagtaatcat ttatttttcc tccttattag 4140
acattattcc cataggaaca tatcatttct tataacaaaa atatcttctg acttagtatc 4200
ataatgcaac tctacattat gatactcttt catataggtt tttgcataat caaacaaacg 4260
ctctggacac ttaaaactaa atgagccacc atctgcacat ttacaaatta catgttcttc 4320
tatactacta ttgacaaacc aattcacaca ctctggcgga tagcctagca caattccaag 4380
tgcataatct tctccgtgtt ttcttgacaa tttagaaaac tcatccaatt gctctaactt 4440
ggagacaaca agcatgccac tatatacgta agttgtgaag tgttccctta caatatttgt 4500
aagttctgac accctaataa agatggcgtc tctcagtccc aaattaaatg ccacagtttc 4560
ttctagtaaa atattcatgg tgacctctcc tctttacccc tcatgtctct cattaacaac 4620
ataatcaaag tcacttgcaa atagcggaat cattagttct ccatcaacgt cacagtgcaa 4680
tagaggtgta cggtattggt agtcaataaa aatggtgtct gtttccttat ctacatatgc 4740
aaaacaaccc gcgtactcat catatacgtc cgaatattta cctcttaaaa tagttacttc 4800
tagtacatta ttatatgttt ctccgtcaac tataatgttt ttcatctgtt ttcctcctta 4860
gttatcttac atttattatg ttaccactgt ttacaaaaca cgtcaactac ttttttgaaa 4920
tttcttgtaa ttctttagta agacaatatc cctctgtttt tccatctgta cataaatata 4980
attgtgggaa accccacgcg ctccattcac taaaaccaat tacacgcaca accgtaccat 5040
ctttaaagtt acaatcacta tcccacggtg tcacaatgca ctctaaaccc ttttttatca 5100
tagcaccaac ctcacaactt ctataacgcg ttctacaccc tgtaagtgtt cagcaatctc 5160
acacgcctca aaaatatcat tggcaaaaat aagacattcc tcatacttca tacgccaact 5220
aatgtacgtc actctaaaca ttatacatca ctcctgttct aatttctaag acctcaattc 5280
ctaacacttg ttctaaggca acaaactctg tcttatactg gtta   5324

<210> 72
<211> 4977
<212> DNA
<213> Artificial Sequence

<400> 72
ttaataattt attagccatc ttcgcactcg gtttttctac ctcaatgaag ttactaggtt 60
ctaaataagc tttaccgttg tcagaggtat atacctctaa tgtgtcacct gtgttaggga 120
caccaccaat tttgtttagg tcctcgttaa atcgctctgt aacctcatct tttttagtcc 180
attcttttgt cttactattg tagtcctctt tgtacaatgt taatgtgtac agtttagaat 240
agtcctcagg acacacacta atcactaaac ttttgtcctc gtcctcaact gctacaactg 300
ttaatttttc aggttcttta ctcattaaaa tctccctctc ttatttcata tagtgttatt 360
ataccattta tgtgtaaaac gttgttatac tagctcatac gcaacatcaa ggttacctaa 420
atcattttta gcaatcttaa caataacaaa ctcatcctca acttcatcct gttccccatc 480
cacgcgtata gtcactttct tttctatttc ttgctcctgt aaacgcattc cctcagcgcg 540
tactttctca tattgctgta ctgcctccat taggtctaaa ccgttgtttg catatacagc 600

```
tagaatagag gttcgttggt tgcgtatagg gtaccacgct ttgagttgcc tgtagtcact  660
gtcaaatcgt tcaaagaatg aggtaaggga ctcatttatt tttgactgag ttacattcac  720
attggctaaa tgtgggtgca tggttttgaa catatcaaac gtaagccacg taggagcctc  780
atagccctct ctaaatcgtt caaaggtaac ttgtacctca tcccatttag aacacctctg  840
agcgtctcta tacgccttta tttgaacatc caaagcgtcc tcaccctctt ttagtattcc  900
tctgagatgt tttatcttat cctctagctc gtcatagggt cgtaaaattt ctttttaac  960
ccgcttgcgt tcgttgtcta tgttgctaaa ctctttgcga gcctgtgcga ggagtttttt 1020
atattccttt atgttgtcct ctgttacctc aacttgtttc atttcgtttg ctaacttggt 1080
aatgtcatca agtagtttat catattgcgc aaactcaata gatggtacat cacctacgta 1140
aatcatcaac tcgttatcca ataattacac cgtcctcatt tactgctaca acctcaccat 1200
atccaccagt taggtcccta accattttag cggttgttat gtccattttt agacgcggtt 1260
tatcagtgac aatctgtcta aaccttgtgc gtcctctttc ctcatcataa atcggtgacc 1320
ttgaggaaaa tgcagtaaaa tacacgtatg aaccatcaaa gtctttgtag cgtactacgt 1380
acttatacat aatcataacc tctttctttg cagtattgta taaactcctt atcatgtctt 1440
tcgtctagcc cattctgcgc cttgaggttc tcatatgagt aataactacc actctggtgt 1500
aaatgaatac tcgtaccacc ctctgacaag tatttagtgg cgaactctgt attttggcga 1560
actgacaaat gtctatagga accattatta tacgtatcat aaccgctgtg aattttcata 1620
tattcactat aaccaattac agcaccgtca tagttagcct ctaggagtaa caaatcaatt 1680
ttcttacctg ttttatcaag gtactcactg aatgccacag tagtcattag gtctgtagcg 1740
tataaaaaac tttgaccgtt tgaggttccg ataatgccta agttttgaac ctcatgagga 1800
gcgtctaaaa acgtacactc tacgccactc acgtcaatag tggtaccgtg ttccactata 1860
atgttaacgg gtgccttacc ttttgaaaca agtaggtcat tgacctcctt acacgctatc 1920
acctttatcc aagggaagtt tttccgtatt tggttataac aaccaacatt caggtggtct 1980
ccatgaatgt gacttataaa aagtaagtga cagtcctgta aatctttttt taatacttta 2040
aatgaaagtc ctatatcaat catcattttt ataccattct gaaatgttaa tttaaccgcg 2100
ttacctactg acccactgct tataatctta tattcaatca tctaatcaca cccaatcata 2160
ctctgtttgt tcttctgaat tgtcgttctc taggttccat aatagtttac ctaatcgttg 2220
cgcctctagt tcctgttcat tatctagagc atgaccaatt ttacagagca gtgtgtggcg 2280
cattagttct aattctttac gcagtggtct attcattgtc tcactggcgt caaacatatt 2340
agaggcatga aataaattgt cataacaatt attcaatgtg tccccatctt taaagcccac 2400
aaatttatca ttacccacat tgggaacaaa catatctgcc accaacttag caacatacat 2460
aacccttaca cactggttac cttgtgagtt acgcgctgtt agacgtacat ataagcgacc 2520
gtttgagtca tctttctgca ttggaacaat catgtcatca tccacattaa taatgtaacc 2580
catgttagaa acgctgtaca tatcaaaagg ctcgtccatg ggttcaaacc gttcatgttt 2640
cgtattaacg tttctcatac tttgtaccac ctttgacagt cgtaagctca gtaattgact 2700
tactttgtgc ctccatgatg gcgactaagt atttgcgctc tacactataa cgcacattta 2760
acatcaatga aattgccaaa ataacaccta gaataattgt acccattata aacacttcct 2820
tttctaatta tattctaata ataccacaga atggagcact tgtaaacaac tttttacatc 2880
ccttttttata aaataatatg gtataatatg tgtatactta ttatacattg tttttctccc 2940
taaaaagcac tacacgctga ttcctcccaa cgtgtagtgc tttttattat tttgacgagt 3000
taagttcgtc aattgtgtca ttgtatgcag tagctaggtt attcatgagg tcaccaattt 3060
ttccaattat ttggtctggt tcattacccc ctaaaaggtt acccatatct accgcatcgc 3120
agacgtcaat catctgtgta atagcactct ttacaattcc tgactctaga atgtcaaacc 3180
ccacagcgtg tgcgtgcagt acattgtaag caaacattag acgagcgtgt atcataatgt 3240
ctaattcttt aggctcgtcc ataatgcggg cacgcaattc atctaaaaca ttgtctaact 3300
ccgcgtcatg taattctaat acctctgcta attttgtcat attatttttc ctcctcatag 3360
tctaatacct caatttggtt atcatatacc caccataggt gaccatcaat acttagttca 3420
agttggtgcg tttgtccgtc aatttcttca gcgctatgag ctactctgaa cacctctcca 3480
acgtattccc tgtcacgctc gtaaccctca ttcataaaaa attcagttgg ttcaggttta 3540
atcaagcgca ccttcgtccc cactggtagg ggtttagtaa aattatcctc aaatacttta 3600
ctcattttgt tttcctccct ttatcctaat acatcgtcaa tacggtctga aatcgtgtct 3660
ctatcaaacc catactcatc tacgagttta gcacctaaag cgcttgccat aataatgttg 3720
aaagcaagtt tttcctcatc tacttttttа ccgtatttca acttatcaaa atcaaacttt 3780
agttcctgta agacgttctc aaacgctttg tgtgtttctt ctttattcat ctgttttcct 3840
cctaatgttt taatacattt attagtttat caaaacccca accagttgtc aagcattatt 3900
tttaaatttc ttgtaaatgt tcgtacggaa tgagctgacg tataccatca atcgttctac 3960
atggtatagg gtctctgtgt ttctctttct caattaatac tttctctgta ggtgtcaatt 4020
cgttttcagg tagttcgtac aagactgccc caattggtaa aggtgtcgtc tcgttgttta 4080
ctaactcata tgttttcaaa ctaattcctc ctctagttta tcaattatat tctcaacttc 4140
atttaataag tcctcgttat caacattttg ctgtactacg ttaagcgcgt atagtgctaa 4200
ttcagtaggt gagtcaccgt caattaatac agtatcaata acattagtca cagttactaa 4260
agcactgaag acaagtaact cagcagactc aatacccgtt ttctcattta actcacgcgc 4320
cttttcaacc actaaatcac ctaattttgt agtatctaaa ttcatgtcta ttttcctccc 4380
ttatttggtt gaaacaacca tttagaaaac attagtgaca accctataac taatggcgtt 4440
aggtatgcaa tcaattttct gagtcctccc acgctttaat gaacccctca atttctttga 4500
```

catccccatc caacaaacca cgttgaacta gttctaatct aattttcata tatgccacat 4560
ctgacaagtt ataccatccg tagctttcag cagaacgctg taattcttgt agaacacata 4620
tagccttttc gctatactcc ttatcctctt gttctcgttt tacatactca ataacttgct 4680
tacccgttgc tcctcccata actgcgtaca aacaaagcaa gtctaaatct gttaagtttt 4740
ccatctgttt tcctccttag ttatcttaca tttattatat tatcagacga ttagtcatct 4800
gtcaacacta tttttaaact tctttcaaaa tttttctcaa gtctctaagt tgtgcgtctg 4860
ttaagtgtac gcttactaca tcattcgtaa aatcagtaat tttaatcact gttttatctt 4920
tatataacct agcgacactc aaggtagcac catgtttatc tttcaaacta tattcaa   4977

<210>   73
<211>   3444
<212>   DNA
<213>   Artificial Sequence

<400>   73
agtctattat agcaatgact tattaaccaa ctacttgcca gcaggagtta aatattccgt 60
cacaatagac gcattcagca acaataatgg gttaattagg gtaggtaatt ttgacgctct 120
cagtacatgg caaacaataa aacaaggtga cacaccttca acgtataaat ttgagggtat 180
aaccgcaggg gcaactaatg cttttagtat acagggtaat tcaaatgctt taattataac 240
tataacaaaa ataaaaatcg aactaggaaa cacggcaacc atctacaccc caaacccatc 300
tgaagatttc gcgaacgcat atccgctata tatgggtcaa tatagtaact atactcaaga 360
acctagcacg gacccaagta agtacacgtg gatgagaaca acgggacaaa atggcgcctc 420
tgtcaaatca actaaaacag agtgggcaat caatacctca agcgttgatg aacctacatc 480
aggatggagt acaaccatcc caactctaga aaaaggtaaa tacctatgga cacgtacaac 540
gtgggagtac actgatggta caacatcagt agcctataca gtgaactata ttcctgtaga 600
tggctcaacc ggtaatggtg tgaaatctat cgctgttact tacgctgtag gtacctcagg 660
tacaacagca ccatccacag gttggcaagc aacaccacca aatgtaacag gtggtcaata 720
cctatggaca cgtattatct ggacatttac agataatagt aaccaaacaa cctactcagt 780
ggcgcgcttt ggtcaggatg gtattagtgt gactggtact caatcagagt atgtacaaac 840
aactagttct gtagaaccta cctcaggatg gagtacaaca cgtccaacac ctcaaattgg 900
tatgtggttg tgggtaagga gtagaaatac gctttcaaat ggtacgtata caaattgggt 960
agtaactagc tcatacacgg gtagagactc aatttttatt agtgctacag ctccaagtaa 1020
cccaactaca gggacattat ggcaaaaacc taatgaccct actgtgctaa aatggaacgg 1080
tacagcgtgg gaaaactggg ggatgtcaat taataatatt gtatcagaca atgttattgc 1140
tgaaaacggg atgtttaaaa aagttagtgg ggttgagatt gtaggtagta ccatcagaaa 1200
cccttacaat gtgaaatatt cagataactc aactggctca ggtgaaatta cactagagaa 1260
ctcacaaatc aaaaacaata taaaacagta cagtagcaca ggagtgttta aaaacgcaca 1320
tcgtcaaatt atggcagcaa actatatact catggctaca actaatgaag caggtaacac 1380
aaactacaat caattatatc tagaccctga cgcactaaat ctacaaacat tcagttccaa 1440
cccaaactct ggtggcaatg gctacggtgc agagtatagt agtacaggtt tgcgtctaac 1500
agattcgcgc gtttcattag gtaactcaaa gctggaaatt catgatttaa ttaaagttga 1560
aacaaccatg ttggaccctg cgtcaggttg gcaaagatat agtgatgtta tgggatacac 1620
taacacacct acagccacgc gagtaggtag aacggttcaa atagcaggtg cgtttaaacc 1680
cataaaccaa cttagcgcag gtcaatatgt cattaaccaa cctctaccag tttgggctag 1740
accattgaat aacgtaacac tcattcatca aggttctgga atgaacaggc tactactaga 1800
agtgcgcaag gatggtgcaa ttctagtaag taggtatggt actacagtag atagtgcgat 1860
tccgtcaggc gcatggataa acatctcttg cgtatatgcg ggtcaagatt tattctaagg 1920
gggataatta tgttagagca atttaaaacg gagtatatta acaaggtatt aaacggtaat 1980
gggtttgatg atgagttaaa tatgctgttt aacagagttc tagaggagga gttccatggc 2040
aacgcgttag ccatggacga cctcatttat gaactaaacg gatatagcac tcaagataac 2100
gcagtagaca cgttacagaa ccaagttgac tacatgagta aaatgataaa tagactagca 2160
tacaatcaaa gttaggagcg ggaacgaatg ccaatgaatg aggacaactt tatcaaaatg 2220
caattaacca tggagcgtat tgacgcacgt ttagaggacg tgagagagat taaaaaagag 2280
ctgtctggtg cccgtcaaca aatcgcggac ctagacaaac gtctttcgca gtcaattgac 2340
catgttaaca aactagagga cgacatcaaa gagctagaat cacgtaacac atggcttact 2400
agaacaaccg taggagcaat tatcactggt gtagtgggtg caattttggc attcatcact 2460
ggttaaatat atgatataat agattagaaa ggggaactga catatgaaaa atattaactg 2520
gcgcgtgagg tttagcaagg acaatatctt attctgggta cgattcatca ttggtgtaat 2580
tactcccgct ttagcatact tagcgctaga acctcaggac ctaagcacat ggcaaggttt 2640
aacggacttc ttaatgtctg tggtatctaa cccgtatctt ttagccttga cctttgtcaa 2700
cgcggtaaac ttaattcctg acccaactac gccaaacctg agtgatagtg aactcgttct 2760
aaataaaacc tctgtaaaag agtaaagaga cctatatagg tctcttttttt atttaatcaa 2820
ttgtcttagt tcaggtacat taaaacctaa tattaattta ccatctacct cagtgactgg 2880
taccgtcttg aggttcatgt tcattaaata ctcacgtgcc tcaggttgtt cctcaatatt 2940
tacctcatta taatctaact catgttcgtt tagaaacttt ttaaccattc tacattgtgg 3000

acagttgctt tttgaaaaaa ctttaatcat taatcgtaca atctcctttt tgaaatgtgc 3060
ttagaatcgc tctctgagcg ttttagcgta aaaatttaca atattaaacg tattgttttg 3120
gctctggtag tgaaccatac agctcattat attgggcgtg tgcttcattc aaccgttctt 3180
tccaattctc accaaaccat aatactaagg ttctttcaac ttctaactca tagtaattaa 3240
ggtcaatttc atctaattgt acaccttcac caatctgctc attggaaatg gtatagtatt 3300
gaggggggtt gtttagacct gttacatatg agtcatcacc tttaatatag gttacttctt 3360
ctgtttcaag ttctccgtcc tcattttcaa ctggttcaag tttaccggtt tttactttga 3420
ataagttaac agctttatca cccg   3444

<210>   74
<211>   3179
<212>   DNA
<213>   Artificial Sequence

<400>   74
gtacttagtt gttttagttg ctttactgat tacagtattg gtttatatac ttatgcgttt 60
gttctaagga gtgatacaat gaaatacaac caatttaagg ggtttcctct caaagcgcgt 120
actaaaattc ccgcgataaa agagtggcaa gctcaagaga gttacaaaac attaggtaaa 180
ataagaaaca tgaataaagg ggtcttatgt ggggaacaaa acaaattatt agtagtagac 240
tgtgacgtaa aaggtaaagc aaacggaata cactctttta ctaccttaat gaaagactta 300
ggacatgaaa ccatacctaa caccctaatg gtctatacac cgtcaggagg catacactat 360
tattttacgt taccagatga cgcactagac ctacgcaaac aacctagaga ggacttaggt 420
atagattttc agatgaatgg gtcctttgtg gtagcagtag ggtcagagtt agaaaacggg 480
acatatagcg tggtttccaa taaaccaatc gcacaagcac ccagagaatt aattaactgg 540
ctaattgaga acgcaaagca acataattac ccaacgaacg caacgccaaa ccaattaaac 600
agaagtctag acgcatggtt taagatgtta gcgtatgaga gtggtaaaat gggtaacgaa 660
ccatggcgcc ttaacggatg ggtatataaa tggaaaaagt tgacaaactt agatatttca 720
actataatag aaagtgttaa aatcgttttt aaatacctat atgggtttga gcctcctgta 780
gaactacaga cgaacaaagc aaggggtaaa gaacactcaa acgcactttc acggttctta 840
gaatcacttg tatatacacg tatagacgag ggaggacgta acaatgcact cgctcagaca 900
gcaggaatgt tagcactggg aacgaacaac ttagacctgt ataaatgggc gtgtaaattg 960
tacatgacaa cctgtttcag tgaacctctt gacgagagtg agtttgaatt aacagtaatg 1020
agtatttgga aacgtgaaaa aggtagatga ttatatgaca cctgttatta atgaaagcaa 1080
tgagacccgt accattacca tctgcatggt caacggacgc tcttacacat ataagggttc 1140
cccagagttt gttattgaac gtatgcaaac aggagaggtt tttcagatta tgctactaag 1200
ctctgtgccc gtgaatgtag taatacaacc gtactacatt gttagtgttg aatattaagg 1260
aggaaaacaa tggttaaagt taatgaacta aaagtcggag atgttttaat ttacacaggt 1320
gagtttaata gtgtaaattg gaggtttggc aaagagtacc ccgtgttcaa cggagacggt 1380
caactatatg ttttgacaga tatgcataat atgtatttta tttttgacca tgaggaatat 1440
attgagtcaa aatttgaact gaaagaaaag gaggctgtaa aggaaacggg aattgtacac 1500
aaagccaaaa tgtacgtgcg tttgaaaatt ttcccaatgg atggctctaa cgcgcgcgta 1560
aacgaaccac tcctacattt ctttctcagt ttttatgatt atgcagacac ctcaacatgg 1620
agaggcaaag aagttttcat acaagggtgg ataacaagcg ataacagacg taaactaata 1680
gaggaaattt ctacctttt tggtctaggt gttgaggagt ggtaacgtgt tagaaagtac 1740
ctattcacaa aaagttaaac gatttgttga gtcacacggt gggatgttcc ttgtaaacac 1800
agcaagtgtt tatgacaaag caggacgctc tgacgttgaa ataatttaca aaggacatgt 1860
gatttttgca gagttgaaaa cagacgggta ccaaccaaca agcctacaaa tacgtttttt 1920
acaacgcgtg agagaacaag gcgtcatagg tctcatacta aaggatgaac tacaggagtt 1980
agaaactatt tttcacttga tagacacggg acacattagc acgtataaat tgccaaaatt 2040
accagagatt aaaacatatg acttatttga ggaggatgaa tagaatggaa ctaacattac 2100
atgattttga gtataacgag gatatgattg acgtatatga tttagatgat acgttagtgt 2160
tttatactag tgagaaaata gggagtagta cagtcaatac acagattaga ttagacaaga 2220
aggcacaaat ggaattatac aaggtattgg acaaacattt atttggtgac tatgatggta 2280
aagttatgga gtctctagaa ccttatgaga agacgggtga taggaacgtt atggagcctc 2340
tagaacccta tgagaagaca gatgatagca aagtaatgat tgacgctgag gagtttagag 2400
acaagattaa acatgataca acgatacgtg aggcagtggc ataccttgac ggatatgttg 2460
agggtaagaa aaatgactaa aattctacta atgattacta actcacgcgg tgatttgttt 2520
ctagagacca ttatggtcag aaactcagac aatataggcg aaattgttga taactatatg 2580
aaagagcgct accagagtgg cgtaacatat gtttgggaaa aagtaataga taattagaaa 2640
attctaataa aactctaatt gtattttaag tacagttaga gtttttata ttatacttag 2700
ttcataaagt taagggaggt aacagcatga taaacaaacg caataataaa gttattgatg 2760
ttattttcac agatgaggtg ttcggagggt tgtgaggtaa attagacgtt gagaatgaca 2820
taattattat aaaacttgag agcttagaaa aggcgctccc tactcgctat tggaatacgt 2880
ctataggcag tgaccaacta aaggagcttt ataacatggc tgtaaatggt ttcatatgtg 2940
caaacgctaa tgagtttgat tgggtacaaa taccagacga ctatttagga ggtaataagc 3000

aatgagtaat atgtttgagg taggtcacag agtagtatgt gtagacactt tatgtgtaga 3060
agatatattg gaaaaaggta aacgatatac cattgttgga gtaggcagcc ttttcgtgca 3120
ggttgatggt attgatgaat ggttctacta tgaccgtttt gaacgtgact atgttaatg   3179

<210>   75
<211>   797
<212>   DNA
<213>   Artificial Sequence

<400>   75
tcctcatact tcatacgcca actaatgtac gtcactctaa acattataca tcactcctgt 60
tctaatttct aagacctcaa ttcctaacac ttgttctaag gcaacaaact ctgtcttata 120
ctggttataa atcaatataa gaaaccctgt atcattgtca attaaccaag actctactcc 180
taaatgctct gtctctataa caccgtttcc cgcattgtag ttcttaatgt aaatattata 240
catataaaac ctcctcacac cactatttta tacaaaaaga gcgcacctgt caatagggta 300
cgctcacttt attattaaaa tggtaggtca tcatccggtg actcaatttt cacaggttct 360
aaaaaggctg agttacctga ctggtcaagc tcattcttac gtacaagaca gtcaattttc 420
acacctttag caaggaactc accctcactg tcttttacta atgcgttttc ccatgtgata 480
ggtgactcct caaaaatacc ctcaaaccgt tcacgtgctt tctttgcttt agcgtcatta 540
taaacaaact tattaatggt aggtacccac acgcttgtgt taaatgaaaa ctcatagaac 600
ttacctttgt aagctaccgt tacaatgcgt ccttttgagt tgtcacgaat gcgctcaata 660
acacagtctt ttaataattt attagccatc ttcgcactcg gtttttctac ctcaatgaag 720
ttactaggtt ctaaataagc tttaccgttg tcagaggtat atacctctaa tgtgtcacct 780
gtgttaggga caccacc   797

<210>   76
<211>   670
<212>   DNA
<213>   Artificial Sequence

<400>   76
agtggggtaa atgaaatgac accagaaaac gttgaaaaag agtacggtgt gtacgttgtt 60
ggaggagaca ttattgatat attagaccat gtttttccaa gctatgaaga agctttagaa 120
catgctaaga cattccatga atgtgatact gtaatagttg gagtagttca ggataaggat 180
gaagagtgat gagtttctta aatatatttt taccaacaat gatgatatgt attattattg 240
tagctgtagt tagtgccttt tggggactga tagcaggact ctctaaacta cttgattggc 300
tcattgctaa acttggagac agtggagagg taatttatat gattacttta gttggtttta 360
tagttccgtt tattctgtct gttgtgtttt gggtaattag taaaattgga ggtatgagtt 420
aatgtatatt attagtttgt ttattgtagt attagtgagc tacgcattag gttgggttct 480
atctaatttc tttggctttg tgtttgaacg catagcagag agaaatgttc atttagcaat 540
tttgtactta gttgttttag ttgctttact gattacagta ttggtttata tacttatgcg 600
tttgttctaa ggagtgatac aatgaaatac aaccaattta aggggtttcc tctcaaagcg 660
cgtactaaaa   670

<210>   77
<211>   466
<212>   DNA
<213>   Artificial Sequence

<400>   77
gctagggatt tggcctgtag tttcatgtgg ccttgctgga tgcccgtact taccaaggct 60
ttgagggctg caaaattttg atcaagaccg atggacacga taatctgggc taattctctg 120
gcagaaggat ttcctagtag atcatgactg agagctacac gtgggttgag gccgatagag 180
ccacccttag tctctacagg catgggcagg gtcatctcac cgaccaattc ttctctttca 240
aggtccagcg tccagcagct aagaccttga tagcgtccat ctcgactggc aaaggcatgg 300
gccccagctt cgatggcacg ccagtcatta ccagtggcaa tcaaaatcgc atcaatacca 360
ttaaaaattc ctttattatg agtagcagct cggtaaggat cagcctgcgc aaactgacta 420
gccaacgcaa ttttctccgc aatctctcgt ccttgatcct tttggc   466

<210>   78
<211>   459
<212>   DNA
<213>   Artificial Sequence

<400>   78

gtcttggtca ggccgtcggc gtcggttttg ccgatcacgg cggcttccag cacggcgggg 60
tggcgcacca gagtcgcctc cacttcgaac ggcgagacgt agatgccgct gactttgagc 120
atgtcgtcgt tgcggccggc gtagatgtag cggccgctgg cgtcgcgcgt gtatttgtcg 180
ccggtgcgcg tccaggcgcc ctggaaggtc tcgcgcgatt tgtcgcggtt gttccagtac 240
atcagcgcgg cgctggggcc gcgcacgtac aggtcgccga tgtcgatgga gccgtccggg 300
ttggcgggca gcgggcggcc gtcttcgccg cggatttcca gctcgtagcc gggcaccggg 360
gtgccgctgg tgccgtagac gacgtcgccg gggcggttgg agcagtagat gtgcagcatc 420
tcggtggagc cgatgccgtc gatgatttcg gtcccgaag   459

<210>   79
<211>   450
<212>   DNA
<213>   Artificial Sequence

<400>   79
gttgcggggt gacgaacgcg gggacctgta tctgcaggcc caggcgctgg agcgccttct 60
aagcccggcg ttcgcgctgg ttgatcacgt tgatggtttc cttcaccaag gcggccggga 120
tctgaccggc tacgaagacg gcacggaaaa ccccagtggc gatgacgcca tcgaggccgc 180
catcctgggt gaaggtgcgc cagggttgca ggggtcgagc ttcgccgcat ttcagctgtg 240
gaagcacgac atgcagtatt tcaaatcgct gcctcagcag gtgcaggaca acatcatcgg 300
ccgtcgcctg agcgacaacg aagagctgga tgatgcgccc gagtcagcgc atgtgaagcg 360
tactgcccag gaaagctacg cgcccgaagc tttcatggtg cgtcgctcgg tttcctgggc 420
tgacacccgc ggtgcgggac tggcatttgt   450

<210>   80
<211>   446
<212>   DNA
<213>   Artificial Sequence

<400>   80
gtcaggcccc ggcggggccg tgatctgaag ggccggagtc tgaccttcgc ccagcgggag 60
gagatcgcaa tactgcgtgc ccagggtcaa tctctgcggc agatcggagc cgtggtcggc 120
agagcggcct ccacggtttc ccgggagttg cggcgcaatt cggtggcagg gatgccctac 180
cgggcaacct cagcgcacgc actggcctat gaacgggcat cgcggccgaa accagcgaaa 240
ctgcacacca acacggtgct gcgagcgaag gtggaagagg acctgaaaaa gaagtactca 300
cccgagcaga tcgcaggacg actgcgggtt gaggtccccg acgagccgga gatgagggtg 360
tcacccgaga cgatctacca gtccctttac gtgcagtccc gcggggcgct gaagcgtgat 420
ctgaccgtgt gtctgcgcac cggacg   446

<210>   81
<211>   445
<212>   DNA
<213>   Artificial Sequence

<400>   81
gagcatcttt ctcaaggtca tgcagctagc atgtgataga actgaatcca gccaggcgtg 60
gtggctcatg cctgtaatcc cagcactttg ggaggctgag gcgggcagat tgcctgaagt 120
caggagttcg agaccagcct ggctaacatg gtgaaacccc atctctacta aaaatacaaa 180
aaaatttagc caggcgtgat ggcacatgcc tgtagtccca gctatttggg aggctgaggc 240
aggagaatca cttgaaccca ggaagtggag gttgcagtga gctgagattg caccaccgca 300
ttcctgcctg ggtgacagag caagattctg tctcaaaaaa aacaaacaaa caaacaaaca 360
gaaaaactga atccagggtt cctaaggcca gattttctgc tttaggagag tgcgtttcag 420
taatgggttt gtgtgtgtat gtgtt   445

<210>   82
<211>   432
<212>   DNA
<213>   Artificial Sequence

<400>   82
ctccccagac ccaacagaac gccttgacag aaaacaagct agattgaaaa cccgtaaaaa 60
agcgaagaag gcaaaaggct aaccactttt tagagggatg aatagtagtt gatgcagagg 120
taaaaggaat ggtaagtagt ttaaagtcac ggttgcagaa gttgaaggaa cacgcatcta 180
agacggaata cgcaacacaa gatgaatgtt tgtcgctata tgtggattgt ctgagattag 240
cttttcaaga caacggactg gatataaaca tggatgatta tattactcct ccatttggcg 300

acatcaaaca atcagactat aagagggcta aaaagagagt agaggaactt caaaacaagg 360
ttaaagaaag tgaggtgatt tagtatttga ccgagttaag cagaaaacaa gaaatattta 420
tgacaaacta cc   432

<210>   83
<211>   415
<212>   DNA
<213>   Artificial Sequence

<400>   83
ccggcgaact ctctgccctt tgcggcgaag gagtcgcgca tgagcgcgtg ctcgacaagc 60
agccgcttca gcgagaagca cagggcgagt ttgacggcgg tcgggtaggt gtcgttcgtg 120
ctctggctgc gattgacatc gtcgagtgga tgcagcagct cgtaactgcc cttctcctcg 180
ccagcgagtt ggagggcgac gttggctatc acctcgttgg tgttcatatt cgtcgaggtt 240
ccggcgccgc cctggatcac gcccacgacg aactgatcgt ggtactcgcc ctggcggatc 300
gcctcgcagg cggcctcgat catggccccc ttctccgggg cgagtactcc gatctcgacg 360
ttggctctgg cggcggcctg cttgacgatg acgagggcgt cgatcaggtc gggat   415

<210>   84
<211>   276
<212>   DNA
<213>   Artificial Sequence

<400>   84
tactagcacc cgcaaagtgt ccgccaaagc gcgcgtcata ttcagcctta ccctttttcat 60
tcaccataat gcgtgtagcc gtaatttgtt gtttaaatac ctctggttct aaattataag 120
ggttcaagtc atcaatgaaa atcaactgtt tgtcaactag taacgcacta ttaaactcac 180
ctttggtgtt aaatgcgcgg ttagatggga gttctgtgta catttttcca aacaatggtg 240
agcctatgat tttggtcatt agaatagact ttccat   276

<210>   85
<211>   272
<212>   DNA
<213>   Artificial Sequence

<400>   85
ctatcaatat aaagaaacgt gtaatagatt agtagaggaa ttgtctaaag gtgatagacc 60
tatctcaata tataatggct ctattaagga cttagagaca tgggaacaac atgaggacgc 120
gattattttc aatttaaaag gcacgggggg tatttttag agcgtctaaa atatttctaa 180
ggtaattata cccagaacac ttagaacgta tctcagagcc tctcagagcg ttttagagca 240
tgtttgtttt tgagcgtaaa aaagagaggg tt   272

<210>   86
<211>   255
<212>   DNA
<213>   Artificial Sequence

<400>   86
aacctagaga ggacttaggt aaagattttc agatgattgt gtactttgtg gtagcagtag 60
tgtcagagtt agaaaacggg acatatagcg tggtttccta taaaccaatc gcacaagcac 120
ccatagactt aattaactgg ctaattgaga acgcaaagca acataattac ccaacgaacg 180
caacgccaaa ccaattaaac agaagtctag acgcatggtt taagatgtta gcgtatgaga 240
gtggtaaaat gggta   255

<210>   87
<211>   255
<212>   DNA
<213>   Artificial Sequence

<400>   87
tcatctgaaa caaaatcatg aaccactaga cccatgtcct caatttgttc atctgaaaag 60
tctaatgaca atacattaga accgtttctc tgcgtttcca atacagtagt agtatcagac 120
caatatgatt tagtttgaaa ttcactatct actagcatgt ttgtagatgt actttgtgtg 180
tttctaaatg ggtcacttaa aatagagtgt gccacaccct cagggcatga aaatgttaac 240
gtcaacggtg taatg   255

<210>   88
<211>   255
<212>   DNA
<213>   Artificial Sequence

<400>   88
ttcagttagc tattgagcga catgaacggg acttagagag gtcaaaatac ccatcgtttc 60
cgtatgaata tagaccagaa ttagcagaaa aaccaatcgc tttcattgac aacctaccag 120
accccaacag cggtaagagg gtaggactag cagactttca gaagttcatt attggtatga 180
tattttcatg ggttaaaaag gactcagggt acaggcgatt tactaaagtg gtaatctcca 240
tgagtcgtaa gaacg   255

<210>   89
<211>   255
<212>   DNA
<213>   Artificial Sequence

<400>   89
atacataacc cttacacact ggttaccttg tgagttacgc gctgttagac gtacatataa 60
gcgaccgttt gagtcatctt tctgcattgg aacaatcatg tcatcatcca cattaataat 120
gtaacccctg ttagaaacgc tgtacatatc aaaaggctcg tccatgggtt caaaccgttc 180
atgtttcgta ttaacgtttc tcatactttg taccaccttt gacagtcgta agctcagtaa 240
ttgacttact ttgtg   255

<210>   90
<211>   255
<212>   DNA
<213>   Artificial Sequence

<400>   90
tgtcactcca aacggaatct cagacaattg gctaccgctt actccctctc tattttcata 60
ccagtgggca attagaaaca ttgtagcaat atcaaagcgt gggtccgttg gttggtcctt 120
tacctcactg gctcccatca aaaaagaaac tgctgtttct tgtaacattg ttaaatactc 180
gtcatccata ttatggtcaa tgcgtagatt atttttaatt tggtcaattg ttagcattat 240
ctcactccta tctaa   255

<210>   91
<211>   255
<212>   DNA
<213>   Artificial Sequence

<400>   91
gaatatattg agtcaaaatt tgaactgaaa gaaaaggagg ctgtaaagga aacgggaatt 60
gtacacaaag ccaaaatgta cgtgcgtttg aaaattttcc caatggatgg ctctaacgcg 120
cgcgtaatcg aaccactcct acatttcttt ctcagttttt atgattatgc agacacctca 180
acatggagag gcaaagaagt tttcatacaa gggtggataa caagcgataa cagacgtaaa 240
ctaatagagg aaatt   255

<210>   92
<211>   255
<212>   DNA
<213>   Artificial Sequence

<400>   92
tgttccacaa cttaaacagc taccaatttc aaaactagac gctggcatgc tagtcattta 60
ttgtaatact tacgctattt acagtcaggc aactcaagag gtatctgaat acggttatct 120
tgacgaacaa gggaaaccat caggcgcctt taaggttatg aatgaaacat ctaaacaact 180
aaagtctcta gcaagttcat taggactttc aattgatgga cgtatgaaat taattatccc 240
aagcatgaaa acgaa   255

<210>   93
<211>   255
<212>   DNA
<213>   Artificial Sequence

<400>   93
gtcaccaaac gggtctggtt gttctttcgt tttcatgctt gggataatta atttcatacg 60
tccatcaatt gaaagtccta atgaacttgc tagagacttt agttgtttag atgtttcatt 120
cataaccata aaggcgcctg atggtttccc tttttcgtca agataaccgt attcagatac 180
ctcttgagtt gcctgactgt aaatagcgta agtattacaa taaatgacta gcatgccagc 240
gtctagtttt gaaat   255

<210>   94
<211>   255
<212>   DNA
<213>   NCIMB 43666 node 26

<400>   94
cgcaccttta ctttaccttt agcgtcaata ccaatataat tgtagacatc tttctggtat 60
aatgcaatga actcatcttt gtcaaataca atacctacgc gctcagaaat gtcatcacag 120
aacgcgtatg taatacgttc agcctcctca tcatgaggaa tgtaggcgtg acagtctgtg 180
ttgctctgta acatggtaac atggtcccta attccctcgt agaagtcagc cataattaat 240
tgcccaatca cacat   255

<210>   95
<211>   255
<212>   DNA
<213>   NCIMB 43666 node 27

<400>   95
gtctactact aataatttgt tttgttcccc acataagacc cctttattca tgtttcttat 60
tttacctaat gttttgtaac tctcttgagc ttgccactct tttatcgcgg gaattttagt 120
acgcgctttg agaggaaacc ccttaaattg gttgtatttc attgtatcac tccttagaac 180
aaacgcataa gtatataaac caatactgta atcagtaaag caactaaaac aactaagtac 240
aaaattgcta aatga   255

<210>   96
<211>   255
<212>   DNA
<213>   NCIMB 43666 node 28

<400>   96
cgtctagagg ctaaatatac agatgaaaca gagattacaa tgaacgaagt aacgttacca 60
aagtatgtgt tagtaaatgg ggtaaaattg cctattaata cattgtttgg tgccacaggt 120
gcagagtata atgggttata tgacccacgt tttcaatttc taacatgtgt gattgggcaa 180
ttaattatgg ctgacttcta cgagggaatt agggaccatg ttaccatgtt acagagcaac 240
acagactgtc acgcc   255

<210>   97
<211>   255
<212>   DNA
<213>   NCIMB 43666 node 29

<400>   97
ttgtcaacta gtaacgcact attaaactca cctttggtgt taaatgcgcg gttagatggg 60
agttctgtgt acatttttcc aaacaatggt gagcctatga ttttggtcat tagaatagac 120
tttccatgtc ctccggtgcg tgtaccgcgt gagacaacaa tttgagcatg aacagcctca 180
ggtttgttct catagacgca tgaccctatg aactcacata atgctttttc acttagtggg 240
tcagtaaaga agttg   255

<210>   98
<211>   255
<212>   DNA
<213>   NCIMB 43666 node 30

<400>   98
tcataaaagt atgcttcact gtacgcgttt ataagcgcgt caagagggtc aatcttgttg 60
cggttaactt gtttatcaat cataattaca tcgtttgact cttttgtaaa tgcgttgtac 120
acggctcgtg tcaatagagg gttgttaaag tgaaggacct tgcccgctcg tatatccact 180

tgtaattgtt tagtaggtgg gtttaatcgc agataagact gacgtacatc aaagagtacg 240
tcctcatacc cgtct   255

<210>   99
<211>   255
<212>   DNA
<213>   NCIMB 43666 node 31

<400>   99
tgtactgaga gcgtcaaaat tacctaccct aattaaccca ttattgtagc tgaatgcgtc 60
tattgtgacg gaatatttaa ctcctgctgg caagtagttg gttaataagt cattgctata 120
atagactatt ctgttagttg atgagtcgtt aaacaacact cgcatgttcc cgtttgaata 180
ttctatagtc gcaccatttc ctgtccaacc attaatagtg gggtctttcg agaaatcata 240
attcaatact aaatt   255

<210>   100
<211>   255
<212>   DNA
<213>   NCIMB 43666 node 32

<400>   100
acccatctaa tacagatgag tctgaggcta gagctttaca aaaagagtca tcttttgtct 60
caatgtcata tttgtttact tttgtaaact cacgaacctg tttagatttc tttctaacag 120
cctgtaggtg tgtcttaatc atgcggaaac aaatagacgc ttggtctttt gtattggctg 180
tagaatatat ttgacgggac gccatgggcg aacgttcgta aagaagttca tataatgcaa 240
tacccgcgat taata   255

<210>   101
<211>   255
<212>   DNA
<213>   NCIMB 43666 node 33

<400>   101
ttagacctaa tggaggcagt acagcaatat gagaaagtac gcgctgaggg aatgcgttta 60
caggagcaag aaatagaaaa gaaagtgact atacgcgtgg atggggaaca ggatgaattt 120
gaggatgtgt ttgttagtgt taagattgct aaaaatgatt taggtaacct tgatgttgcg 180
tatgagctag tataacaccg ttttacacat aaatggtata ataacactat atgaaataag 240
agagggagat tttaa   255

<210>   102
<211>   255
<212>   DNA
<213>   NCIMB 43666 node 34

<400>   102
attttccata cttctcgcct ctccttttc taatttgtcc acgtcttcct ctaatgcttt 60
agcacgttcc gcgtccacag atttatcttt attttcttct ggttcaacct cgtctgcctc 120
atcatccgta gggtgttcat ccttaggttg ctcgtcaggg ttaacctcgt ctgtttgttc 180
gtcttgtgcc tcacgaattt ccttgattaa tttatccgcc tcatctaatt taccttgtgc 240
gataagttca cgggc   255

<210>   103
<211>   255
<212>   DNA
<213>   NCIMB 43666 node 35

<400>   103
agagtttcaa ttcaacaagg tcaccctcat tacccgtgtg ctcaaatagt ccactattaa 60
aggctaaatc aataacaggt gttttactac gtactaggtc ctcacgcatt tccttagcct 120
catcagagag cgtccacaca aactcgtctg cggtaacgtc ctctctgcgt ttcaatagtt 180
cagcatactc ctgtacacac catctaataa actcagcttt ctcctgttcg ttgtttagtg 240
cgtctctcat ctcag   255

<210>   104
<211>   255

<212> DNA
<213> NCIMB 43666 node 36

<400> 104
ttggatacgt tgaaagacgc agacggacga tacattattc aaccaaacgt agcaatggca 60
agtggtaaaa cattgtttgg taaagaggta attgtacttc ctgacgctat ctttaaaatc 120
gacacaattg ataaactatt attcattggt gacttagaac aagctattac tttgttcaaa 180
cgtactgaca tgacggtacg ttggcaagac cacaatgtct acggtgaaat gttagcgggt 240
gccatccgtt ttgac   255

<210> 105
<211> 255
<212> DNA
<213> NCIMB 43666 node 37

<400> 105
aactttatcc tctttatcca ggttctcagg cgtttcccat ctattggaca ttaggttcac 60
tctccttata agtgaaatca cttgcgaaaa atgaagcgta acgtttatca ttaatgtctg 120
tagggaagac ccaagttaaa tcacgagcct caatgtaaat gctatctgtt tctaagtcaa 180
gcaatgcctc acgtccaatg agtaactcct ccttacctac aggcggttct actgtacctg 240
taacaataac aggtg   255

<210> 106
<211> 255
<212> DNA
<213> NCIMB 43666 node 38

<400> 106
gtgtttctct ttctcaatta atactttctc tgtaggtgtc aattcgtttt caggtagttc 60
gtacaagact gccccaattg gtaaaggtgt cgtctcgttg tttactaact catatgtttt 120
caatctattt cctcctctag tttatcaatt atattctcaa cttcatttaa taagtcctcg 180
ttatcatcat tttgctgtac tacgttaagc gcgtatagtg ctaattcagt aggtgagtca 240
ccgtcaatta ataca   255

<210> 107
<211> 255
<212> DNA
<213> NCIMB 43666 node 39

<400> 107
tttgctacag gtgcattgta ggtaaatggg ttttttgtaa ctggtttaat tccgttgtgt 60
gattggatat gctcaaagtt ccaagtgaac ttcttacccg tttggtcacg tgtcattgta 120
cagcggaccc aagatgattt gtacttagtt acgtctgtct ggatagattt tagtaacttg 180
ttaccgtacc agtattcaac aatcacttca ttgccttttg cgtcagagtc acggatggct 240
atagacatta atatg   255

<210> 108
<211> 255
<212> DNA
<213> NCIMB 43666 node 40

<400> 108
cctcgtctgc ctcatcatcc ttaggttgtt catccttagg ttgctcgtca gggttaacct 60
cgtctgtgtg ttcgtcttgt gcctcacgaa tttccttgat taatttatcc gcctcatcta 120
atttaccgtg tgcgataagt tcacgggctt ctagtaatcg tttatccatg tttcacactc 180
cttagtatgt ttcttaaata attataacac gcgtttatta accgcgggtg agttagctgt 240
atcacattaa ttcta   255

<210> 109
<211> 255
<212> DNA
<213> NCIMB 43666 node 41

<400> 109
agcacttgta aacaactttt tacatccctt tttataaaat aatatggtat aatatgtgta 60

tacttattat acattgtttt tctccctaat aagcactaca cgctgattcc tcccaacgtg 120
tagtgctgtt tattattttg acgagttaag ttcgtcaatt gtgtcattgt atgcagtagc 180
tagtttattc atgaggtcac caatttttcc aattatttgg tctggttcat tacccccctaa 240
aaggttaccc atatc   255

<210>   110
<211>   255
<212>   DNA
<213>   NCIMB 43666 node 42

<400>   110
taacttaatg attagtacaa cctcacaaaa cctaaacgga cactatcata tggaggaata 60
tccaatgact atgaaagtat taacaggtga ggtagaggct gaacactact tagctctctg 120
gtgggaactg gatagttttg acgaggcgga tgacgaggaa aactggttta aatctaaccc 180
tctttttgaa aaacctgacg ttcgcacaca tatgttagaa cacacacggg ctaaaaagac 240
agagggagag gctaa   255

<210>   111
<211>   255
<212>   DNA
<213>   NCIMB 43666 node 43

<400>   111
cccataaacc aacttagcgc aggtcaatat gacattaacc aacctctacc agtttgggct 60
agaccattga ataacgtaac actcattcat caaggttctg gaatgaacag gctactacta 120
gaagtgcaca aggatggtgc aattatagta agtaggtatg gtactacagt agatagtgcg 180
attccgtcag gcgcatggat aaacatctct tgcgtatatg cgggtcaaga tttattctaa 240
gggggataat tatgt   255

<210>   112
<211>   255
<212>   DNA
<213>   NCIMB 43666 node 44

<400>   112
ttgttacaga gaacattgaa acacaatcta aaaaaggtaa cccaatgaga cgcctgaaac 60
tccgtgagac acgcacaggt agggaggctg tttcttactt aatgacttgg aaacctgatt 120
ttacacggtg ggaggacatt gagccactat cagtggtgag ggtagacatt gagttaaaag 180
atgggttcta taatttaggt aagcctgaaa ttgcaggcaa gggtgatgaa gttccaccgc 240
gtcccaataa accaa   255

<210>   113
<211>   255
<212>   DNA
<213>   NCIMB 43666 node 45

<400>   113
gacagacgta actaagtaca aaacatcttg gttccgctgt acaatgacac gtgaccaaac 60
gggtaagaag ttcacttgga actttgagca tatccaatca aacaacggaa ttaaaccagt 120
tacaaaacac ccatttacct acactgcacc tgtagcaaac aaagcttccg ttgttaaaac 180
atctagatgg ctactcaagt ataaagactc agtagccaca agggaggtag tggataaggt 240
aacatggaca atgaa   255

<210>   114
<211>   254
<212>   DNA
<213>   NCIMB 43666 node 46

<400>   114
ttgtcaacta gtaacgcact attaaactca ccttttgtgt taaatgcgcg gttagatggg 60
agttctgtgt acatttttcc aaacaatggt gagcctatga ttttggtcat tagaatagac 120
tttccagttc ctccgttgcg tgtaccgcgt gagacaacaa tttgagcatg aacagcctca 180
ggtttgttct catagacgca tgaccctatg aactcacata atgctttttc acttagtggg 240
tcagtaaaga agtt   254

<210>   115
<211>   254
<212>   DNA
<213>   NCIMB 43666 node 47

<400>   115
tccgtctgtt agacccgcaa aagtgcccac taatgaggtg accgcaccga ttaccgcgcc 60
acctttaga gacattacac catctaatag tccacctacc ccatctgtag cctcgtctgc 120
tccaccattg atgtcactaa gtccatcact agcgttctcc attgatttaa gagctttact 180
tgataattta gcctgtgact ctaatttaga tagggagatt ctagcctcct caacttcttt 240
agagttttca ccga   254

<210>   116
<211>   254
<212>   DNA
<213>   NCIMB 43666 node 48

<400>   116
atttcctcaa ggctacccaa accctcagca actagttcgt tagccatttg agtgtagttt 60
tctgcgccct cttgtgaaag acctaatgca ccttgaaact tattgatggc gtcttttgat 120
tcattgagtc cgtctgttag acccgcaaaa gtgcccacta atgaggtgac cgcaccgatt 180
accgcgccac cttttagaga cattacacca tctaatagtc cacctacccc atctgtagcc 240
tcgtctgctc cacc   254

<210>   117
<211>   254
<212>   DNA
<213>   NCIMB 43666 node 49

<400>   117
ttcttacccg tttggtcacg tgtcattgta cagcggaacc aagatgattt gtacttagtt 60
acgtctgtct tgatagattt tagtaacttg ttaccgtacc agtattcaac aatcacttca 120
ttgccttgtg cgtcagagtc acggatggct atagacatta atatgtcatt agcgtctgtc 180
aaaataacca actcataacg tccgttcttt tctgacgtag taccgaagtc tatccgttcc 240
tcaaatttaa aggc   254

<210>   118
<211>   254
<212>   DNA
<213>   NCIMB 43666 node 50

<400>   118
catggcatta gagtcaaagc cattgagtat tgcaaacgta caggatggtc aaaatccatt 60
tttacacaca gcttacgcat ggagtagtga tggaaaagag aggttcacac tccaataccc 120
aaatgatcat ttagtattga attatgattt ctcgaaagac cccactatta atggttggac 180
aggaaatggt gcgactatag aatattcaaa cgggaacatg cgagtgttgt ttaacgactc 240
atcaactaac agaa   254

<210>   119
<211>   254
<212>   DNA
<213>   NCIMB 43666 node 51

<400>   119
gcctttaaat ttgaggaacg gatagacttc ggtactacgt cagaaaagaa cggacgttat 60
gagttggtta ttttgacaga cgctaatgac atattaatgt ctatagccat ccgtgactct 120
gacgcaatag gcaatgaagt gattgttgaa tactggtacg gtaacaagtt actaaaatct 180
atcaagacag acgtaactaa gtacaaatca tcttggttcc gctgtacaat gacacgtgac 240
caaacgggta agaa   254

<210>   120
<211>   254
<212>   DNA
<213>   NCIMB 43666 node 52

<400> 120
agcgtttgtt tggttaaatg cttgtttatc aaggttgaac atggcacaaa taaacgcttt 60
agcaagtaac ccaacaacac aaccaaagaa gcggagctca gtggcgtctc cgtctttcca 120
acaagacgca acctctttgc gttgttcctc atctgttagt ttaccgcctt gttcaaagtc 180
aacatccgtc tcttagactt ctaaccccat gaaaccctca tgttctttca gtgaaaaccc 240
tttgtgttca tggt   254

<210> 121
<211> 254
<212> DNA
<213> NCIMB 43666 node 53

<400> 121
tcagttagct attgagcgac atgaacggga cttagagagg tcaaaatacc catcgtttcc 60
gtatgaatat agaccagaat tagcagaaaa accaatcgct ttcattgaca acctaccaga 120
ccccaaacgc ggtaagaggg taggactagc agactttcag aagttcatta ttggtatgat 180
attttcatgg gttaaaaagg actcagggta caggcgattt actaaagtgg taatctccat 240
gagtcgtaag aacg   254

<210> 122
<211> 254
<212> DNA
<213> NCIMB 43666 node 54

<400> 122
cgccaaagcg cgcgtcatat tcagccttac ccttttcatt caccttaatg cgtgtagccg 60
taatttgttg tttaaatacc tctggttcta aattataagg gttcaattca tcaatgaaaa 120
tcaactgatt gtcaactagt aacgcactat taaactcacc ttttgtgtta aatgcgcggt 180
tagatgggag ttctgtgtac atttttccaa acaatggtga gcctatgatt ttggtcatta 240
gaatagactt tcca   254

<210> 123
<211> 254
<212> DNA
<213> NCIMB 43666 node 55

<400> 123
tagttgggtt acttggagct gtagcactaa taaaaattga gtctctaccc gtgtatgagc 60
tagttactac ccaatttgta tacgtaccat ttgaaagcgt atttctactc cttacccaca 120
accacatccc aatttgaggt gttggacgtg ttgtactcca tcctgaggta ggttctacag 180
aactagttgt ttgtacatac tctgattgag taccagtcac actaatacca tcctgaccaa 240
agcgcgccac tgag   254

<210> 124
<211> 254
<212> DNA
<213> NCIMB 43666 node 56

<400> 124
tatactctgt catttaccca caagcgcaag agtttaaaag tggtgatagt gataataaag 60
taggtacgtt cttaggtaaa gttggggaca aggtatacga acttgtcaaa ggtaaccctc 120
aatttacaga gggatatttc aacgatagaa cgaacgataa gtacagatac cttggtgaat 180
gtgcgtattt tcaaaacggt gcgctaaaca tgcgtacatt agaactacgt ccgtttgaac 240
catgggacta taga   254

<210> 125
<211> 254
<212> DNA
<213> NCIMB 43666 node 57

<400> 125
ctcaagcgtt gatgaaccta catcaggatg gagtacaacc atcccaactc tagaaaaagg 60
taaataccta tggacacgta caacgtggga gtacactgat ggtacaacat cagtagccta 120
tacagtgtac tatattcctg tagatggctc aaccggtaat ggtgtgaaat ctatcgctgt 180
tacttacgct gtaggtacct caggtacaac agcaccatcc acaggttggc aagcaacacc 240

accaaatgta acag 254

<210> 126
<211> 254
<212> DNA
<213> NCIMB 43666 node 58

<400> 126
gccatcttat aacctcctca taatgttctc attctattat aacataattc taattaaaaa 60
agttgatgac agtcattgac aaaataaatt taatatatta tattattagt ataatcagta 120
tagggagtaa cttcataatg agaaaagagt tgaaaaaaca cattaagcag atgaacccac 180
aagagattgt aactgttgtg aatatggttg agagcgctac aagaggaatg tgtaaagaga 240
caattaggac tagt 254

<210> 127
<211> 254
<212> DNA
<213> Artificial Sequence

<400> 127
tggatggtgc tgttgtacct gaggtaccta cagcgtaagt aacagcgata gatttcacac 60
cattaccggt tgagccatct acaggaatat agttcactgt ataggctact gatgttgtac 120
catcagagta ctcccacgtt gtacgtgtcc ataggtattt acctttttct agagatggga 180
ttgttgtact ccatcctgat gtaggttcat caacgcttga ggtattgatt gcccactctg 240
ttttagttga tttg 254

<210> 128
<211> 254
<212> DNA
<213> Artificial Sequence

<400> 128
gtactgagag cgtcaaaatt acctacccta attaacccat tattgttgct gaatgcgtct 60
attgtgacgg aatatttaac tcctgctggc aagtagttgg ttaataagtc attgctataa 120
tagactcgtc tgttagttga tgagtcgtta aacaacactc gcatgttccc gtttgaatat 180
tctatagtcg caccatttcc tgtccaacca ttaatagtgg ggtctttcga gaaatcataa 240
ttcaatacta aatt 254

<210> 129
<211> 254
<212> DNA
<213> Artificial Sequence

<400> 129
aatttagtat tgaattatga tttctcgaaa gaccccacta ttaatggttg gacaggaaat 60
ggtgcgacta tagaatattc aaacgggaac atgcgagtgt tgtttaacga ctcatcaact 120
aacagaatag tctattatag caatgactta ttaaccaact acttgccagc aggagttaaa 180
tattccgtca caatagacgc attcagcaac aataatgggt taattagggt aggtaatttt 240
gacgctctca gtac 254

<210> 130
<211> 254
<212> DNA
<213> Artificial Sequence

<400> 130
ttcttacccg tttggtcacg tgtcattgta cagcggaacc aagatgattt gtacttagtt 60
acgtctgtct tgatagattt tagtaacttg ttaccgtacc agtattcaac aatcacttca 120
ttgcctagtg cgtcagagtc acggatggct atagacatta atatgtcatt agcgtctgtc 180
aaaataacca actcataacg tccgttcttt tctgacgtag taccgaagtc tatccgttcc 240
tcaaatttaa aggc 254

<210> 131
<211> 254
<212> DNA

<213> Artificial Sequence

<400> 131
gggaggactg acatgactga ggtgtttata aacgggaaaa ctatgacagt cacaactgag 60
gttgacaacc aaggttatac cgctcagttt gagattcact attgcccaat gtgcggtggt 120
aagctgaatg gaggaggttt ttgacgttta cttacaacct gaggaggtat tttaatgttt 180
aaggttgaac atgttagatt aacagaatat aatgacgcct atatgagtgt actgttgttt 240
aggcagaaag tacg   254

<210> 132
<211> 254
<212> DNA
<213> Artificial Sequence

<400> 132
cgttcttacg actcatggag attaccactt tagtaaatcg cctgtaccct gagtcctttt 60
taacccatga aaatatcata ccaataatga acttctgaaa gtctgctagt cctaccctct 120
taccgcggtt ggggtctggt aggttgtcaa tgaaagcgat tggtttttct gctaattctg 180
gtctatattc atacggaaac gatgggtatt ttgacctctc taagtcccgt tcatgtcgct 240
caatagctaa ctga   254

<210> 133
<211> 254
<212> DNA
<213> Artificial Sequence

<400> 133
tctatagtcc catggttcaa acggacgtag ttctaatgta cgcatgttta gcgcaccgtt 60
ttgaaaatac gcacattcac caaggtatct gtacttatcg ttcgttctat cgttgaaata 120
tccctcagta aattgagggt tacctttgac aagttcgtat accttgtccc caactttacc 180
taagaacgta cctactttat tatcactatc accactttta aactcttgcg cttgtgggta 240
aatgacagag tata   254

<210> 134
<211> 253
<212> DNA
<213> Artificial Sequence

<400> 134
atttccttga ttaatttatc cgcctcatct aatttacctt gtgcgataag ttcacgggct 60
tctagtaatc gtttatccat gtttcacact ccttattatg tttcttaaat aattataaca 120
cgcgtgtatt aaccgcgggt gagttagctg tatcacatta attctaaaat gtcaagttct 180
aattctaatt ttctttttg ttctttaaac gctttttgtg accgttgtgc cactgctaca 240
gttgtatcat cat   253

<210> 135
<211> 253
<212> DNA
<213> Artificial Sequence

<400> 135
atgagacaac agcagtggag cgtctaagga gtattatttc agactttgga ggcgctaagt 60
ttaccattga ctttgagttt gaaaacatgc agttaaaaag taaaacaatg aacattgtag 120
aggatctggg ggacgagaaa gatattactc tacgtgttgg gcgtgacgta gattcaatcg 180
taactacagg taacatttat gagttaacta cagcaatacg agcattaggt ggtacaccag 240
aggggtcaaa caa   253

<210> 136
<211> 253
<212> DNA
<213> Artificial Sequence

<400> 136
ataataatgt tgaaagcaag tttttcctca tctacttttt taccgtattt caacttatca 60
aaatcaaact ttagttcctg taagacgttc tcaaacgctt tgtgtgtttc ttctttattc 120

atctgatttc ctcctaatgt tttaatacat ttattagttt atcaaaaccc caaccagttg 180
tcaagcatta tttttaaatt tcttgtaaat gttcgtacgg aatgagctga cgtataccat 240
caatcgttct aca   253

<210>   137
<211>   253
<212>   DNA
<213>   Artificial Sequence

<400>   137
tgtagaacga ttgatggtat acgtcagctc attccgtacg aacatttaca agaaatttaa 60
aaataatgct tgacaactgg ttggggtttt gataaactaa taaatgtatt aaaacattag 120
gaggacaaca gatgaataaa gaagaaacac acaaagcgtt tgagaacgtc ttacaggaac 180
taaagtttga ttttgataag ttgaaatacg gtaaaaaagt agatgaggaa aaacttgctt 240
tcaacattat tat   253

<210>   138
<211>   253
<212>   DNA
<213>   Artificial Sequence

<400>   138
tgacgtttgg ttgtttcaaa cgtgacgccc ttaggtaaca gaccgtatga cttgtaacta 60
gtcttggaac ctgcacgaat gtgtaggact tccttagatt tcattgtcca tgttacctta 120
tccacgacct cccttgtggc tactgagtct ttatacttga gtagccatct agatgtttta 180
acaacggaag ctttgtttgc tacaggtgca ttgtaggtaa atgggttttt tgtaactggt 240
ttaattccgt tgt   253

<210>   139
<211>   253
<212>   DNA
<213>   Artificial Sequence

<400>   139
tgacacgcaa gaagctccta aatggtccag actcttatca accaccggag gtttgttcac 60
acgtgatgta acgtatgaca cccttgataa aggtaaattg gcttcacttg ctgttagtga 120
cttgaaatag acaagtcaac ctgcttttaa gtatgaagga aacgtagtcg atgtaccttc 180
tgatttaaat gtaggcgata ggataaacat tgtagatgaa aaagatgaat tgtatctatc 240
aggtaaagct cta   253

<210>   140
<211>   253
<212>   DNA
<213>   Artificial Sequence

<400>   140
tagggttgtc actaatgttt tctaaatggt tgtttcaacc aaataaggga ggaaaataga 60
catgaattta gatactacaa aattaggtga tttagtggtt gaaaaggcgc gtgagttaaa 120
tgagaaaccg ggtattgagt ctgctgagtt acttgtcttc agtgctttag taactgtgac 180
taatgttatt gatactgtat taattgacgg tgactcacct actgaattag cactatacgc 240
gcttaacgta gta   253

<210>   141
<211>   253
<212>   DNA
<213>   Artificial Sequence

<400>   141
ttctgttagt tgatgagtcg ttaaacaaca ctcgcatgtt cccgtttgaa tattctatag 60
tcgcaccatt tccggtccaa ccattaagag tgtggtcttt cgagaaatca taattcaata 120
ctaaagtatc atttggttat tggagtgtga acctctcttt tccatcacta ctccatgcgt 180
aagctgtgtg tataaatgga ttttgaccat cctgtacgtt tgcaatactc aatggctttg 240
actctaatgc cat   253

<210>   142

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

<400> 142
tgtacctgct attaaaacca cgtcacctca atcgtttcaa tactactgga acattgtcat 60
gagagacacg ggctttacat tgggcgcaaa ctactttagt aatcagacac gtactttaaa 120
ctatgatcat gagacaacag cagtggagcg tctaaggagt attatttcag actttggagg 180
cgctaagttt accattgact ttgagtttga aaacatgcag ttaaaaagta aaacaatgaa 240
cattgtagag gat   253

<210> 143
<211> 253
<212> DNA
<213> Artificial Sequence

<400> 143
agaaaagtca acctgctttt aattatgaag taaacgtagt caatgtacct tctgatttaa 60
atgtaggcga taggataaac attgtagatg aaaaagatga attgtatcta tcaggtaaag 120
ctctatcaat tgaccgctgt agcgcagacg ataccgtcac attaacatta ggtgattttc 180
gtattcaata ttcaggtatt gaccctcagt tgctacagat agcgtcagat ttttctaaac 240
agtttgacaa cag   253

<210> 144
<211> 253
<212> DNA
<213> Artificial Sequence

<400> 144
aaaagtcaac ctgcttttaa ttatgaagta aacgtagtca atgtaccttc tgatttaaat 60
gtaggcgata ggataaacat tgtagatgaa aaagatgaat tgtatctatc aggtaaagct 120
ctaacaagtg accgctgtag cgcagacgat accgtcacat taacattagg tgattttcgt 180
attcaatatt caggtattga ccctcagttg ctacagatag cgtcagattt ttcaaatcag 240
tttgacaaca gta   253

<210> 145
<211> 253
<212> DNA
<213> Artificial Sequence

<400> 145
atagatacaa ttcatctttt tcatctacaa tgtttatcct atcgcctaca attaaatccg 60
aaggtacatt gactacgttt acttcataaa taaaagcagg ttgacatttc attttcaatt 120
cactaccagc aagtgaagcc aatttacctt tatcaagggt gtcatacgtt acagcacgtg 180
tgaacaaacc tcctgttgtt gataagagtc tggaccattt aggagcttct tgcgtgtcaa 240
tcataacccc att   253

<210> 146
<211> 253
<212> DNA
<213> Artificial Sequence

<400> 146
aatggggtta tgattgacac gcaagaagct cctaaatggt ccagactctt atcaacaaca 60
ggaggtttgt tcacacgtgc tgtaacgtat gacacccttg ataaaggtaa attggcttca 120
cttgcggtta gtgaattgaa aaagaaaagt caacctgctt ttaattatga agtaaacgta 180
gtcagtgtac ctgctgatgt aaatgtaggc gataggatca acattgtaga ggaaaaagat 240
gaattgtatc tat   253

<210> 147
<211> 253
<212> DNA
<213> Artificial Sequence

<400> 147

tagacgagtg ggaaaaggcg tacacagacg aggagtttga catcacaggg cgtgaagtat 60
ttattggtat agacctagca cgagtaaatg acttgaccgc tgttacgtgg gttattccta 120
tccctgacaa agaattgttt attgttgact ctcacgcgtg ggtagcaaca acgggtggtg 180
gtattgttca gaaagaggct aacgatagaa caccctatag acaatattcc aaacaggggt 240
attgtgaaat ttc   253

<210>   148
<211>   253
<212>   DNA
<213>   Artificial Sequence

<400>   148
tcttgtgttc cacacgttta gtgttttgta ggtaatatcc actgacccat cctgaggcag 60
gtattttctt acctgagttc ttagttacat aataccattg gttgttttta ataatctttt 120
gacccgtgtg acgtttggtt gtttcaaacg tgacgccctt aggtaacaga ccgtatgact 180
tgtaactagt cttggaacct gcacgaatgt gtaggacttc cttagatttc attgtccatg 240
ttaccttatc cac   253

<210>   149
<211>   253
<212>   DNA
<213>   Artificial Sequence

<400>   149
atgatgatac aactgtagca gtggcacaac ggtcacaaaa agcgtttaaa gaacaaaaaa 60
gaaaattaga attagaactt gacattttag aattaatgtg atacagctaa ctcacccgcg 120
gttaagaaac gcgtgttata attatttaag aaacataata aggagtgtga aacatggata 180
aacgattact agaagcccgt gaacttatcg cacaaggtaa attagatgag gcggataaat 240
taatcaagga aat   253

<210>   150
<211>   253
<212>   DNA
<213>   Artificial Sequence

<400>   150
tattgttgga aagacgtaga cgccactgag ctacgcttct atggttgtgt tgatgggtta 60
cttgctaaag cgtttatttg tgccatgttc aaccttgata aacaagcatt taaccaaaca 120
aacgctcatt tagtagctca attaatgggt gccaaccgtc ctaatagtgt acgtgatgac 180
cttactgaac catttacatt acctgaaaac attcatgtaa ctataccaga gattagagta 240
atgtttttag acc   253

<210>   151
<211>   253
<212>   DNA
<213>   Artificial Sequence

<400>   151
gacttgttca aagactccct gtactaatgg taataagtcc tcaaaggcta cgttatccac 60
taacatatca taagtaagtt ttgtgtttga gaaaatggag agaactaagt ttagcatatc 120
atctataacc tcaatctcat tcatttgtaa ctcacctttt tcaacctttt ccattttact 180
gtagtatgct aaaatctcgc gcattgttcg tacagttact ttctccgctg taaatgtttg 240
ttttttacct ttt   253

<210>   152
<211>   253
<212>   DNA
<213>   Artificial Sequence

<400>   152
gacttgttca aagactccct gtactaatgg taataagtcc tcaaaggcta cgttatccac 60
taacatatca taagtaagtt ttgtgtttga gaaaatggag agaactaagt ttagcatatc 120
atctatatcc tcaatctcat tcatttgtaa ctcacctttt tcaacctttt ccattttact 180
gtagtatgct aaaatctcgc gcattgttcg tacagttact ttctccgctg taaatgtttg 240
ttttttacct ttt   253

<210> 153
<211> 253
<212> DNA
<213> Artificial Sequence

<400> 153
tagggttgtc actaatgttt tctaaatggt tgtttcaacc aaataaggga ggaacataga 60
catgaattta gatactacaa aattaggtga tttagtggtt gaaaaggcgc gtgagttaaa 120
tgagacaccg ggtattgagt ctgctgagtt acttgtcttc agtgctttag taactgtgac 180
taatgttatt gatactgtat taattgacgg tgactcacct actgaattag cactatacgc 240
gcttaacgta gta   253

<210> 154
<211> 253
<212> DNA
<213> Artificial Sequence

<400> 154
ttacctttta caaagtttgg cactggttga cccgtttggt atttagttgc tttggcgcgt 60
acttttactt tactacctac agggaaatca cgtgtgtctg tgatttttgg tttagacggt 120
tgtgggtgtg gtttaggttt gttgtcagta ttggaactat ttccaccaaa cccatttta 180
atgtctttag caaactgctc tttactaatt ccccatttac gcaagtatgg ataggggtca 240
atatggtcag aac   253

<210> 155
<211> 253
<212> DNA
<213> Artificial Sequence

<400> 155
atttccttga ttaatttatc cgcctcatct aatttacctt gtgcgataag ttcacgggct 60
tctagtaatc gtttatccat gtttcacact ccttattatg tttcttaaat aattataaca 120
cgcgtgtctt aaccgcgggt gagttagctg tatcacatta attctaaaat gtcaagttct 180
aattctaatt ttctttttttg ttctttaaac gctttttgtg accgttgtgc cactgctaca 240
gttgtatcat cat   253

<210> 156
<211> 253
<212> DNA
<213> Artificial Sequence

<400> 156
ataataatgt tgaaagcaag tttttcctca tctacttttt taccgtattt caacttatca 60
aaatcaaact ttagttcctg taagacgttc tcaaacgctt tgtgtgtttc ttctttattc 120
atctgatgtc ctcctaatgt tttaatacat ttattagttt atcaaaaccc caaccagttg 180
tcaagcatta tttttaaatt tcttgtaaat gttcgtacgg aatgagctga cgtataccat 240
caatcgttct aca   253

<210> 157
<211> 253
<212> DNA
<213> Artificial Sequence

<400> 157
atagatacaa ttcatctttt tcatctacaa tgtttatcct atcgcctaca tttaaatcag 60
aaggtacatt gactacgttt acttcataat taaaagcagg ttgacttttc tttttcaatt 120
cactacccgc aagtgaagcc aatttacctt tatcaagggt gtcatacgtt acagcacgtg 180
tgaacaaacc tcctgttgtt gataagagtc tggaccattt aggagcttct tgcgtgtcaa 240
tcataacccc att   253

<210> 158
<211> 252
<212> DNA
<213> Artificial Sequence

<400> 158
ttatgattga taaacaagtt aaccgcaaca agattgaccc tcttgacgcg cttataaacg 60
cgtacagtga agcatacttt tatgagttcg aggaaataaa ctggtcagaa cgttacgcaa 120
gcggggattt tggttttgga ctgtaataaa cgaacgaggc aacccaacta gggttgtctt 180
tttcgtgtta taatttataa agaagttata attggaggag gttcaccatg gaacgaatta 240
tatatttacc ta   252

<210> 159
<211> 252
<212> DNA
<213> Artificial Sequence

<400> 159
ttgatgtagg agaacatttc ctacagttca ttaactcaga ttgggctaca gacactttag 60
aagtaactgt gaagaaccaa cgaacctact tgtaataaca tctagccact cgccaaagag 120
tggctttatt atggtataat taataaagaa acaagtgtaa ggggggtttt taaaatagaa 180
ttttatttta ctgataggga atttaaccct ataggaattg cgtccacaga tggagcagga 240
ctcattaaaa tg   252

<210> 160
<211> 252
<212> DNA
<213> Artificial Sequence

<400> 160
ttctgttagt tgatgagtcg ttaaacaaca ctcgcatgtt cccgtttgaa tattctatag 60
tcgcaccatt tcctgtccaa ccattaatag tggggtcttt cgagaaatca taattcaata 120
ctaacttatc atttgggtag tggagtgtga acctctcttt tccatcacta ctccatgcgt 180
aagctgtgtg taaaaatgga ttttgaccat cctgtacgtt tgcaatactc aatggctttg 240
actctaatgc ca   252

<210> 161
<211> 252
<212> DNA
<213> Artificial Sequence

<400> 161
ttatgattga taaacaagtt aaccgcaaca agattgaccc tcttgacgcg cttataaacg 60
cgtacagtga agcatacttt tatgagttcg aggaaataaa ctggtcagaa cgttacgcaa 120
gcggggagtt tggttttgga ctgtaataaa cgaacgaggc aacccaacta gggttgtctt 180
tttcgtgtta taatttataa agaagttata attggaggag gttcaccatg gaacgaatta 240
tatatttacc ta   252

<210> 162
<211> 251
<212> DNA
<213> Artificial Sequence

<400> 162
tgtgccacgt gttagcattg gtctgttaat aacaacgtgt gcattaccat atacatttag 60
gctcaatctg agaactttag tagcttcatt ttgaatggta tatgtttgcg tggtgcgagt 120
cattggactt gtagacgcgt ctagtcctgt gccaattgaa taccacgtat atagtttacc 180
acgttctgta atgtgttgga tgaacggggt agcatggtca ttttgttcta gtttaaagtt 240
ttttacgtaa a   251

<210> 163
<211> 251
<212> DNA
<213> Artificial Sequence

<400> 163
caattcctga ctctagaatg tcaaacccca cagcgtgtgc gtgcagtaca ttgtaagcaa 60
acattagacg agcgtgtatc ataatgtcta attctttagg ctcgtccata atgcgggcac 120
gcacttcatc taaaacattg tctaactccg cgtcatgtaa ttctaatacc tctgctaatt 180

ttgtcatatt atttttcctc ctcatagtct aatacctcaa tttggttatc atatacccac 240
cataggtgac c   251

<210>   164
<211>   251
<212>   DNA
<213>   Artificial Sequence

<400>   164
tcttacccta ttttggaaac aactaacgcg gtaatgaaca cagtagctga gttagtagaa 60
aaccctaaat tggcagaacc aacattcaaa aatgtagaat ggaaggtaga aacacaccgc 120
ggatatagtc caatgtctaa cgaagcaatt caagactctg accctgactt agttgcgttg 180
attgctcgcc acttaacacg tattgggttg aacacaatca ataaagcagt aatgactgag 240
ttactagcta a   251

<210>   165
<211>   251
<212>   DNA
<213>   Artificial Sequence

<400>   165
aatgacatta gtgagccatt tgtcaggttt agtacatact ctagtgtgct ttattagtaa 60
cacacttgat tctgaaccgc ttacaggtgt gtttctagcc tgtattagtg cttcacctct 120
aattgcagtg tgtatgtggc ttgatgataa atagaatatt ctcattaaac tctaatggtt 180
ttttaattga ctattagagt ttaattgttt atactaggtt cataaggttg agggttaagc 240
ctacggggtg a   251

<210>   166
<211>   251
<212>   DNA
<213>   Artificial Sequence

<400>   166
ttaattgacg gtgactcacc tactgaatta gcactatacg cgcttaacgt agtacagcaa 60
aatgttgata acgaggactt attaaatgaa gttgagaata taattgataa actagaggag 120
gaattagatt gaaaacatat gagttagtaa acaacgagac gacaccttta ccaattgggg 180
cagtcttgta cgaactacct gaacacgaat tgacacctac agagaaagta ttaattgaga 240
aagagaaaca c   251

<210>   167
<211>   251
<212>   DNA
<213>   Artificial Sequence

<400>   167
gggtaagaag ttcacttgga actttgagca tatccaatca aacaacggaa ttaaaccagt 60
tacaaaaaac ccatttacct acaatgcacc tgtagcaaac aaagcttccg ttgttaaaac 120
atctagaggg ctactcaagt ataaagactc agtagccaca agggaggtag tggataaggt 180
aacatggaca atgaaatcta aggaagtcct acacattcgt gcaggttcca agactagtta 240
caagtcatac g   251

<210>   168
<211>   251
<212>   DNA
<213>   Artificial Sequence

<400>   168
aaaagtctca atcacaaaca caagtacaga caactgggtg cggtattctg ctagtataac 60
tacccaaaat aaagcaatca ataagataga agtgctgttt gttatagacc cttcgtttgt 120
aggtacgatt tacgtaaaaa actttaaact agaacaaaat gaccatgcta ccccgttcat 180
ccaacacatt acagaacgtg gtaaactata tacgtggtat tcaattggca caggactaga 240
cgcgtctaca a   251

<210>   169
<211>   251

<212> DNA
<213> Artificial Sequence

<400> 169
tgtgtatgtg gcttgatgat aaatagaata ttctcattaa actctaatgg ttttttaatt 60
gactattaga gtttaattgt ttatactagg ttcataaggt tgagggttaa gcctacgggg 120
tgaccgagta ccaaccaata aagacaaggg atggttaatt atgattaagg tgatgaattg 180
ggagtatgaa tatggaatga aacgagtagc attctacaaa gaaattggtc atgagattga 240
gcttttagat a   251

<210> 170
<211> 251
<212> DNA
<213> Artificial Sequence

<400> 170
tcaaagagct agaatcacgt aacacatggc ttactagaac aaccgtagga gcaattatca 60
ctggtgtagt gggtgcaatt ttggcattca tcactggtta aatatatgat ataatagata 120
agacagggga cctgacatat gaaatatatt aactggcgcg tgaggattag caaggacaat 180
atcttattct gggtacgatt catcattggt gtaattactc ccgctttagc atacttagcg 240
ctagaacctc a   251

<210> 171
<211> 251
<212> DNA
<213> Artificial Sequence

<400> 171
cacaaggtgg agcaattgac accacagcaa cagggtcagg ggtagaccgt tggcgtgcaa 60
ctgctaaacg agccttacag atgacaggac aatggacaac cgcaaaccta aacgcgctga 120
tgacccaaat gcgtacagag tccaatggta accccaaagc tatcaaccta tgggacatta 180
atgctcagaa tggtattccg tcaaaaggtc taatgcaggt gattgaccct acattcagac 240
aatatgcaat g   251

<210> 172
<211> 251
<212> DNA
<213> Artificial Sequence

<400> 172
ggtaattaat tgagactgtg cagggtcata acaaatacct tgtacgtcta aattgtttgt 60
ctcaataaac gccaaaaccc aatttaacat atcctcccaa tcacactgac cgtcaggacg 120
ggaagaactt tcacaatacc cctgtttgga atattgtcta tagggtgttc tatcgttagc 180
ctctttctga acaataccac cacccgttgt tgctacccac gcgtgagagt caacaataaa 240
caattctttt t   251

<210> 173
<211> 251
<212> DNA
<213> Artificial Sequence

<400> 173
tattgacgca cgtttagagg acgtgagaga gattaaaaaa gagctgtctg gtgcccgtca 60
acaaatcgcg gacctagaca aacgtctttc gcagtcaatt gaccatgtta acaaactaga 120
ggacgacctc aaagagctag aatcacgtaa cacatggctt actagaacaa ccgtaggagc 180
aattatcact ggtgtagtgg gtgcaatttt ggcattcatc actggttaaa tatatgatat 240
aatagattag a   251

<210> 174
<211> 251
<212> DNA
<213> Artificial Sequence

<400> 174
gtattattag aatataatta gaaaaggaag tgtttataat gggtacaatt attctaggtg 60

ttattttggc aatttcattg atgttaaatg tgcgttatag tgtagagcgc aaatacttag 120
tcgacatcat ggaggcacaa agtaagtcaa ttactgagct tacgactgtc aaaggtggta 180
caaagtatga gaaacgttaa tacgaaacat gaacggtttg aacccatgga cgagcctttt 240
gatatgtaca g 251

<210> 175
<211> 251
<212> DNA
<213> Artificial Sequence

<400> 175
ggtcacctat ggtgggtata tgataaccaa attgaggtat tagactatga ggaggaaaaa 60
taatatgaca aaattagcag aggtattaga attacatgac gcggagttag acaatgtttt 120
agaagaattg cgtgcccgca ttatggacga gcctaaagaa ttagacatta tgatacacgc 180
tcgtctaatg tttgcttaca atgtactgca cgcacacgct gtggggtttg acattctaga 240
gtcaggaatt g 251

<210> 176
<211> 251
<212> DNA
<213> Artificial Sequence

<400> 176
ctcaaggcta cccaaaccct cagcaactag ttcgttagcc atttgagtgt agttttctgc 60
gccctcttgt gaaagaccta atgcaccttg aaacttattg atggcgtctt ttgattcatt 120
gattccgact gttagacccg caaaagtgcc cactaatgag gtgaccgcac cgattaccgc 180
gccacctttt agagacatta caccatctaa tagtccacct accccatctg tagcctcgtc 240
tgctccacct t 251

<210> 177
<211> 251
<212> DNA
<213> Artificial Sequence

<400> 177
tcatcagcgc gtttaggttt gcggttgtcc attgtcctgt catctgtaag gctcgtttag 60
cagttgcacg ccaacggtct acccctgacc ctgttgctgt ggtgtcaatt gctccacctt 120
gtgtctgagg gtctttcaca ccattaatgt gtaagtggtc catgtgtcca cctgacgccc 180
aattagtcca tgtgtcatga atacccgttc cagatgtgcc cacgcggtca cgtactttat 240
tcagagcaat a 251

<210> 178
<211> 251
<212> DNA
<213> Artificial Sequence

<400> 178
gggtaagaag ttcacttgga actttgagca tatccaatca aacaacggaa ttaaaccagt 60
tacaaaaaac ccatttacct acaatgcacc tgtagcaaac aaagcttccg ttgttaaaac 120
atcgagatgg ctactcaagt ataaagactc agtagccaca agggaggtag tggataaggt 180
aacatggaca atgaaatcta aggaagtcct acacattcgt gcaggttcca agactagtta 240
caagtcatac g 251

<210> 179
<211> 251
<212> DNA
<213> Artificial Sequence

<400> 179
tagtattgaa ttatgatttc tcgaaagacc ccactattaa tggttggaca ggaaatggtg 60
cgactataga atattcaaac gggaacatgc gagtgttgtt taacgactca tcaactaaca 120
gaatagtcta ttatagcaat gacttattaa ccaactactt gccagcagga gttaaatatt 180
ccgtcacaat agacgcattc agcaacaata atgggttaat tagggtaggt aattttgacg 240
ctctcagtac a 251

<210>   180
<211>   251
<212>   DNA
<213>   Artificial Sequence

<400>   180
ctgtacatat caaaaggctc gtccatgggt tcaaaccgtt catgtttcgt attaacgttt 60
ctcatacttt gtaccacctt tgacagtcgt aagctcagta attgacttac tttgtgcctc 120
cattatggcg actaagtatt tgcgctctac actataacgc acatttaaca tcaatgaaat 180
tgccaaaata acacctagaa taattgtacc cattataaac acttcctttt ctaattatat 240
tctaataata c   251

<210>   181
<211>   251
<212>   DNA
<213>   Artificial Sequence

<400>   181
tcttacccta ttttggaaac aactaacgcg gtaatgaaca cagtagctga gttagtagaa 60
aaccctaaat tggcagaacc aacattcaaa aatgtagaat ggaaggtaga aacacaccgc 120
ggagatagtc caatgtctaa cgaagcaatt caagactctg accctgactt agttgcgttg 180
attgctcgcc acttaacacg tattgggttg aacacaatca ataaagcagt aatgactgag 240
ttactagcta a   251

<210>   182
<211>   251
<212>   DNA
<213>   Artificial Sequence

<400>   182
tagtattgaa gtatgatttc tcgaaagacc ccactattaa gggttggaca ggaaatggtg 60
cgactataga atattcaaac gggaacatgc gagtgttgtt taacgactca tcaactaaca 120
gaagagtata ttatagcaat gacttattaa ccaactactt gccagcagga gttaaatatt 180
ccgtcacaat agacgcattc agcaacaata atgggttaat tagggtaggt aattttgacg 240
ctctcagtac a   251

<210>   183
<211>   251
<212>   DNA
<213>   Artificial Sequence

<400>   183
caattcctga ctctagaatg tcaaacccca cagcgtgtgc gtgcagtaca ttgtaagcaa 60
acattagacg agcgtgtatc ataatgtcta attctttagg ctcgtccata atgcgggcac 120
gcacttcttc taaaacattg tctaactccg cgtcatgtaa ttctaatacc tctgctaatt 180
ttgtcatatt atttttcctc ctcatagtct aatacctcaa tttggttatc atatacccac 240
cataggtgac c   251

<210>   184
<211>   251
<212>   DNA
<213>   Artificial Sequence

<400>   184
cgtatgactt gtaactagtc ttggaacctg cacgaatgtg taggacttcc ttagatttca 60
ttgtccatgt taccttatcc actacctccc ttgtggctac tgagtcttta tacttgagta 120
gccctctcga tgttttaaca acggaagctt tgtttgctac aggtgcattg taggtaaatg 180
ggtttttgt aactggttta attccgttgt ttgattggat atgctcaaag ttccaagtga 240
acttcttacc c   251

<210>   185
<211>   251
<212>   DNA
<213>   Artificial Sequence

<400> 185
aaaaagaatt gtttattgtt gactctcacg cgtgggtagc aacaacgggt ggtggtattg 60
ttcagaaaga ggctaacgat agaacaccct atagacaata ttccaaacag gggtattgtg 120
aaagttcgtc ccgtcctgac ggtcagtgtg attgggagga tatgttaaat tgggttttgg 180
cgtttattga gacaaacaat ttagacgtac aaggtatttg ttatgaccct gcacagtctc 240
aattaattac c   251

<210> 186
<211> 251
<212> DNA
<213> Artificial Sequence

<400> 186
gtattattag aatataatta gaaaaggaag tgtttataat gggtacaatt attctaggtg 60
ttattttggc aatttcattg atgttaaatg tgcgttatag tgtagagcgc aaatacttag 120
tcgacataat ggaggcacaa agtaagtcaa ttactgagct tacgactgtc aaaggtggta 180
caaagtatga gaaacgttaa tacgaaacat gaacggtttg aacccatgga cgagcctttt 240
gatatgtaca g   251

<210> 187
<211> 250
<212> DNA
<213> Artificial Sequence

<400> 187
tcaaaaggta aggcacccgt taacattata gtggaacacg gtaccactat tgacgtgagt 60
ggggtagagt gtacgttttt agacgatcct catgtggttc acaacgttgg cattctcgga 120
acctcaatcg gtcaaagttt tttatacgct acagacctaa tgactactgt ggcattcagt 180
gagtaccttg ataaaacagg taagaaaatt gatttgttac tcctagaggc taactatgac 240
ggtgctgtaa   250

<210> 188
<211> 250
<212> DNA
<213> Artificial Sequence

<400> 188
cggtcaaagt tttttatacg ctacagacct aatgactact gtggcattca gtgagtacct 60
tgataaaaca ggtaagaaaa ttgatttgtt actcctagag gctaactatg acggtgctgt 120
aagtggttat agtgaatata tgaaaattca cagcggttat gatacgtata ataatggttc 180
ctatagacat ttgtcagttc gccaaaatac agagttcgcc actaaatact tgtcagaggg 240
tggtacgagt   250

<210> 189
<211> 250
<212> DNA
<213> Artificial Sequence

<400> 189
tacgtctaac gaccctgcta gaccaaacct ctacatgggt tcatgggact acagcccttc 60
tgaggcgttt aaacctaagt gggctacaac attcgcacca aacgcatggt caggaccttc 120
ccttacaccg cctgtcaaag caccatcaac aggtttacga acaggagcct ttaaatttga 180
ggaacggata gacttcggta ctacgtcaga aaagaacgga cgttatgagt tggttatttt 240
gacagacgct   250

<210> 190
<211> 250
<212> DNA
<213> Artificial Sequence

<400> 190
cgtaaaattt ctttttaac ccgcttgcgt tcgttgtcta tgttgctaaa ctctttgcga 60
gcctgtgcga ggagtttttt atattccttg atgttgtcct ctgttacctc aacttgtttc 120
atttcgtgtg ctaacttggt aatgtcatca agtagtttat catattgcgc aaactcaata 180
gatggtacat cacctacgta aatcatcaac tcgttatcca ataattacac cgtcctcatt 240

tactgctaca 250

<210> 191
<211> 250
<212> DNA
<213> Artificial Sequence

<400> 191
tgctaacttg gtaatgtcat caagtagttt atcatattgc gcaaactcaa tagatggtac 60
atcacctacg taaatcatca actcgttatc aaatacttac accgtcctca tttacttcta 120
caccctcacc atatccacaa gttaggtccc taaccatttt agcggttgtt atgtacaatt 180
ttagacgcgg tttatcagtg acaatctgtc taaaccttgt gcgacctctg tccacatcat 240
aaatcggtga 250

<210> 192
<211> 250
<212> DNA
<213> Artificial Sequence

<400> 192
gtctgttaag tgtacgctta ctacatcatt cgtaaaatca gtaattttaa tcactgtttt 60
atctttatat aacctagcga cactcaaggt agcaccatgt ttatctttca aactatattc 120
aattccctca ttaacatagt cacgttcaaa acggtcatag tagaaccatt catcaatacc 180
atcaacctgc acgaaaaggc tgcctactcc aacaatggta tatcgtttac ctttttccaa 240
tatatcttct 250

<210> 193
<211> 250
<212> DNA
<213> Artificial Sequence

<400> 193
ttctgatagt tgatgagtcg ttaacccaca ctcgcatctt cccgtttgaa tattctatag 60
tcgcaccatt tcctgtccaa ccattaatag tggggtcttt cgagaaatca taattcaata 120
ctcaattatc atttgggtat tggagtgtga acctctcttt tccatcacta ctccatgcgt 180
cagctgtgtg taaaaatgga ttttgaccat cctgtacgtt tgcaatactc aatggctttg 240
actctaatgc 250

<210> 194
<211> 250
<212> DNA
<213> Artificial Sequence

<400> 194
tacgtctaac gaccctgcta gaccaaacct ctacatgggt tcatgggact acagcccttc 60
tgaggcgttt aaacctaagt gggctacaac attcgcacca aacgcatggt caggaccttc 120
ccgtacaacg cctgtcaaag caccatcaac aggtttacga acaggagcct ttaaatttga 180
ggaacggata gacttcggta ctacgtcaga aaagaacgga cgttatgagt tggttatttt 240
gacagacgct 250

<210> 195
<211> 250
<212> DNA
<213> Artificial Sequence

<400> 195
ccttgacaaa actcaaggcg gtgcaattga ggcaacaatc agtggacgag gagcggaggc 60
tactacagac tacgcgtcaa acgttccgtt tttcgtatct gctaaaggta caggtgaaac 120
aaccgtatca ttgaatgttg tcgacttaca agcgggtgga gcatatagtg ctgttttagg 180
tattaccgca gacgaaaatg gtattatgac agtggggcag gacactcaag ctccttatgt 240
ctctgttact 250

<210> 196
<211> 250
<212> DNA

<213> Artificial Sequence

<400> 196
agaagatata ttggaaaaag gtaaacgata taccattgtt ggagtaggca gccttttcgt 60
gcaggttgat ggtattgatg aatggttcta ctatgaccgt tttgaacgtg actatgttaa 120
tgagggactt gaatatagtt tgaaagataa acatggtgct accttgagtg tcgctaggtt 180
atataaagat aaaacagtga ttaaaattac tgattttacg aatgatgtag taagcgtaca 240
cttaacagac   250

<210> 197
<211> 250
<212> DNA
<213> Artificial Sequence

<400> 197
tacgtctaac gaccctgcta gaccaaacct ctacatgggt tcatgggact acagcccttc 60
tgaggcgttt aaacctaagt gggctacaac attcgcacca aacgcatggt caggaccttc 120
ccgtacaccg cctgtcaaag caccatcaac aggtttacga acaggagcct ttaaatttga 180
ggaacggata gacttcggta ctacgtcaga aaagaacgga cgttatgagt tggttatttt 240
gacagacgct   250

<210> 198
<211> 249
<212> DNA
<213> Artificial Sequence

<400> 198
cgtccgcgca ttttatgacc atcaatcagg taacttatta ggacgaacaa agacaggtac 60
cctacaatta aacacagacg acagcggttt aaagttccgt ctacaattac caaataccca 120
attaggtcga gacgtctatg agttagtaaa acgcggtgac ctatcacagt gttcgtttgg 180
gtttatggtt aaaagtgata cgtggtcata caacgcaaac acagacacat atcaccgcac 240
aattgacca   249

<210> 199
<211> 249
<212> DNA
<213> Artificial Sequence

<400> 199
cattacaccg ttgacgttaa cattttcatg ccctgagggt gtggcacact ctattttaag 60
tgacccattt agaaacacac aaagtacatc tacaaacatg ctagtagata gtgaatttca 120
atctaaaaca tattggtctg atactactac tgtattggaa acgcagagaa acggttctaa 180
tgtattgtca ttagactttt cagatgaaca aattgaggac atgggtctag tggttcatga 240
ttttgtttc   249

<210> 200
<211> 249
<212> DNA
<213> Artificial Sequence

<400> 200
ctgttgacat tatggatgtc tcacaaaatt aacccttgca taagcgaggg ttttattata 60
tactagtgaa cgaggggat gaaattaatg aacactattt tcacaccaac taagcaacaa 120
aaagagaccg cgcgtaccat gtttgaactt tggaaaacat tagaaggtaa cgccatgagt 180
tatgacccca tgacaggggg aataaaagag gttgttgtta cagagaacat tgaaacacaa 240
tctaaaaaa   249

<210> 201
<211> 249
<212> DNA
<213> Artificial Sequence

<400> 201
attaattgtg cgtgttacct actatgatag tacgcgcgaa gatggaaaag tctcaatcac 60
aaacacaagt acagacaact gggtgcggta ttctgctagt ataactaccc aaaataaagc 120

actcaataag atagaagtgc tgtttgttat agacccttcg tttgtaggta cgttttacgt 180
aaaaaacttt aaactagaac aaaatgacca tgctaccccg ttcatccaac acattacaga 240
acgtggtaa   249

<210>   202
<211>   249
<212>   DNA
<213>   Artificial Sequence

<400>   202
aaaatattca ctggactatt cacaggtgat tttaaactca tgtgggatgg tgtcaaacaa 60
ctattctcag gagcaatcaa ggctatctgg aactggttac aaattctatt ctttgctaaa 120
atcataatag gagtcaaagg acttgcctct ggttttggta atacaatcag tggtatgtgg 180
acaagtgtca aaaacttttt cactacagga acaagtaacg catggaacct tgtaaaaggt 240
tgggcgtca   249

<210>   203
<211>   249
<212>   DNA
<213>   Artificial Sequence

<400>   203
tctctttctc aattaatact ttctctgtag gtgtcaattc gttttcaggt agttcgtaca 60
agactgcccc aattggtaaa ggtgtcgtct cgttgtttac taactcatat gttttcaaac 120
tcattcatcc tctagattat caattatatt ctcaactaca tttaataagt cctcgttatc 180
aacattttgc tgtactacgt taagcgcgta tagtgctaat tcagtaggtg agtcaccgtc 240
aattaatac   249

<210>   204
<211>   249
<212>   DNA
<213>   Artificial Sequence

<400>   204
cttcacaact tatctcacgt gttcccgcca atgggttgtg tgtgaagtcc atgatagtaa 60
gacaggcact atctccgtta tgtcgtctat aaattagata attacccaac tgcgccattt 120
cattaacttt aactaactgc tcttgtgatt catcaaaatg taataccccct gtgaactcta 180
taatgtcatc tgtttcatag ttgattatct catggtcatc tgacatttta atgagtcctg 240
ctccatctg   249

<210>   205
<211>   249
<212>   DNA
<213>   Artificial Sequence

<400>   205
cttcacaact tatctcacgt gttcccgcca atgggttgtg tgtgaagtcc atgatagtaa 60
gacaggcact atctccgtta tgtcgtctat aaattagata attacccaac tgcgccattt 120
ctttaacatt aactaactgc tcttgtgatt catcaaaatg taataccccct gtgaactcta 180
taatgtcatc tgtttcatag ttgattatct catggtcatc tgacatttta atgagtcctg 240
ctccatctg   249

<210>   206
<211>   249
<212>   DNA
<213>   Artificial Sequence

<400>   206
attaattgtg cgtgttacct actatgatag tacgcgcgaa gatggaaaag tctcaatcac 60
aaacacaagt acagacaact gggtgcggta ttctgctagt ataactaccc aaaataaagc 120
aatcaatcag atagaagtgc tgtttgttat agacccttcg tttgtaggta cgttttacgt 180
aaaaaacttt aaactagaac aaaatgacca tgctaccccg ttcatccaac acattacaga 240
acgtggtaa   249

<210>   207

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

<400> 207
ctgttgacat tatggatgtc tcacaaaatt aacccttgca taagcgaggg ttttattata 60
tactagtgaa cgaggggggat gaaattaatg aacactattt tcacaccaac taagcaacaa 120
acagagaacg cgcgtaccat gtttgaactt tggaaaacat tagaaggtaa cgccatgagt 180
tatgacccca tgacaggggg aataaaagag gttgttgtta cagagaacat tgaaacacaa 240
tctaaaaaa   249

<210> 208
<211> 249
<212> DNA
<213> Artificial Sequence

<400> 208
ttcatatagt gttattatac catttatgtg taaaacgttg ttatactagc tcatacgcaa 60
catcaaggtt acctaaatca tttttagcaa tcttaacaat aacaaactca tcctcaactt 120
cctcctgttc cccatccacg cgtatagtca ctttcttttc tatttcttgc tcctgtaaac 180
gcattccctc agcgcgtact ttctcatatt gctgtactgc ctccattagg tctaaaccgt 240
tgtttgcat   249

<210> 209
<211> 249
<212> DNA
<213> Artificial Sequence

<400> 209
gttgcctgac tgtaaatagc gtaagtatta caataaatga ctagcatgcc agcgtctagt 60
tttgaaattg gtagctgttt aagttgtgga acaaggtcct cgtaaatcaa ccacccttcc 120
tgagtaattc cctcaggaat atcgtctaat gaaagttgtt cataattata taactcttgt 180
tcttcttgct cgcgctcaat acgctcctct tttgttaaat gactattatc ttgtgcgctg 240
attagtttt   249

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

<400> 210
acccctctgg tgtaccacct aatgctcgta ttgctgtagt taactcataa atgttacctg 60
tagttacgat tgaatctacg tcacgcccaa cacgtagagt aatatctttc tcgtccccca 120
tatcctcgac aatgttcatt gttttacttt ttaactgcat gttttcaaac tcaaagtcaa 180
tggtaaactt agcgcctcca aagtctgaaa taatactcct tagacgctcc actgctgttg 240
tctcattat   249

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

<400> 211
tagtgttatt ataccattta tgtgtaaaac gttgttatac tagctcatac gcaacatcaa 60
ggttacctaa atcattttta gcaatcttaa caataacaaa ctcatcctca acttcatcct 120
gttccccctc cacgcgtata gtcactttct tttctatttc ttgctcctgt aaacgcattc 180
cctcagcgcg tactttctca tattgctgta ctgcctccat taggtctaaa ccgttgtttg 240
catatacag   249

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

<400> 212

gagacgtcta tgagttagta aaacgcggtg acctatcaca gtgttcgttt gggtttatgg 60
ttaaaagtga tacgtggtca tacaacgcaa acacagacac atatcaccgc acaattgacc 120
acattggtag attggtagag atttcactag tttcaattcc cgcatatgat gatacaactg 180
tagcagtggc acaacggtca caaaaagcgt ttaaagaaca aaaaagaaaa ttagaattag 240
aacttgaca   249

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

<400>   213
gttgcctgac tgtaaatagc gtaagtatta caataaatga ctagcatgcc agcgtctagt 60
tttgaaattg gtagctgttt aagttgtgga acaaggtcct cgtaaatcaa ccacccttcc 120
tgagtaagtc cctcaggaat atcgtctaat gaaagttgtt cataattata taactcttgt 180
tcttcttgct cgcgctcaat acgctcctct tttgttaaat gactattatc ttgtgcgctg 240
attagtttt   249

<210>   214
<211>   249
<212>   DNA
<213>   Artificial Sequence

<400>   214
cagatggagc aggactcatt aaaatgtcag atgaccatga gataatcaac tatgaaacag 60
atgacattat agagttcaca ggggtattac attttgatga atcacaagag cagttagtta 120
atgttaatga aatggcgcag ttgggtaatt atctaattta tagacgacat aacggagata 180
gtgcctgtct tactatcatg gacttcacac acaacccatt ggcgggaaca cgtgagataa 240
gttgtgaag   249

<210>   215
<211>   249
<212>   DNA
<213>   Artificial Sequence

<400>   215
ttttttagat tgtgtttcaa tgttctctgt aacaacaacc tcttttattc cccctgtcat 60
ggggtcataa ctcatggcgt taccttctaa tgttttccaa agttcaaaca tggtacgcgc 120
ggtctctgtt tgttgcttag ttggtgtgaa aatagtgttc attaatttca tccccctcgt 180
tcactagtat ataataaaac cctcgcttat gcaagggtta attttgtgag acatccataa 240
tgtcaacag   249

<210>   216
<211>   249
<212>   DNA
<213>   Artificial Sequence

<400>   216
gaaacaaaat catgaaccac tagacccatg tcctcaattt gttcatctga aaagtctaat 60
gacaatacat tagaaccgtt tctctgcgtt tccaatacag tagtagtatc agaccaatat 120
gatttagatt gaaattcact atctactagc atgtttgtag atgtactttg tgtgtttcta 180
aatgggtcac ttaaaataga gtgtgccaca ccctcagggc atgaaaatgt taacgtcaac 240
ggtgtaatg   249

<210>   217
<211>   249
<212>   DNA
<213>   Artificial Sequence

<400>   217
cgtactttct gcctaaacaa cagtacactc atataggcgt cattatattc tgttaatcta 60
acatgttcaa ccttaaacat taaaatacct cctcaggttg taagtaaacg tcaaaaacct 120
cctccataat cgtgtgtttg cctaaatgct tcttaatcgt ctcaaaccaa ttcttttcta 180
aatcactgtc aaggtcatca tgtgcaagct taaacccact cacgtacaca cgtggacccg 240
ctacagtat   249

<210> 218
<211> 249
<212> DNA
<213> Artificial Sequence

<400> 218
tagtgttatt ataccattta tgtgtaaaac gttgttatac tagctcatac gcaacatcaa 60
ggttacctaa atcattttta gcaatcttaa caataacaaa ctcatcctca acttcatcct 120
ggtccccctc cacgcgtata gtcactttct tttctatttc ttgctcctgt aaacgcattc 180
cctcagcgcg tactttctca tattgctgta ctgcctccat taggtctaaa ccgttgtttg 240
catatacag   249

<210> 219
<211> 249
<212> DNA
<213> Artificial Sequence

<400> 219
atgcaaacaa cggtttagac ctaatggagg cagtacagca atatgagaaa gtacgcgctg 60
agggaatgcg tttacaggag caagaaatag aaaagaaagt gactatacgc gtggatgggg 120
accaggagga agttgaggat gagtttgtta ttgttaagat tgctaaaaat gatttaggta 180
accttgatgt tgcgtatgag ctagtataac aacgttttac acataaatgg tataataaca 240
ctatatgaa   249

<210> 220
<211> 249
<212> DNA
<213> Artificial Sequence

<400> 220
ataatgagac aacagcagtg gagcgtctaa ggagtattat ttcagacttt ggaggcgcta 60
agtttaccat tgactttgag tttgaaaaca tgcagttaaa aagtaaaaca atgaacattg 120
tcgaggagat gggggacgag aaagatatta ctctacgtgt tgggcgtgac gtagattcaa 180
tcgtaactac aggtaacatt tatgagttaa ctacagcaat acgagcatta ggtggtacac 240
cagaggggt   249

<210> 221
<211> 249
<212> DNA
<213> Artificial Sequence

<400> 221
attaattgtg cgtgttacct actatgatag tacgcgcgaa gatggaaaag tctcaatcac 60
aaacacaagt acagacaact gggtgcggta ttctgctagt ataactaccc aaaataaagc 120
actcaatcag atagaagtgc tgtttgttat agacccttcg tttgtaggta cgttttacgt 180
aaaaaacttt aaactagaac aaaatgacca tgctaccccg ttcatccaac acattacaga 240
acgtggtaa   249

<210> 222
<211> 248
<212> DNA
<213> Artificial Sequence

<400> 222
tgactgtcat caacttttt aattagaatt atgttataat agaatgagaa cattatgagg 60
aggttataag atggcacagc ctgtcttttt acgaaacttt acattaaatg gtgtagatat 120
tggtgaggta tttgtggtag gtactgtaac aattccattc ctaaatgtag aacgcggata 180
ttatcaagtg ggtaattcag acggtcagaa cctacaatat acaagaatag gcaataacac 240
gcttactt   248

<210> 223
<211> 248
<212> DNA
<213> Artificial Sequence

<400> 223
tgttgcttag ggttcgtgca tattgcctta atacgcgaac gtttaccctc attgtacata 60
tagtccctca tgtcctcttt taccatttta cgcgttattc tacttctatc atctgtgttg 120
tatctgtgtg ctagaagaat accgtccgtg aagagtttca attcaacaag gtcaccctca 180
ttacccgtgt gctcaaatag tccactatta aaggctaaat caataacagg tgttttacta 240
cgtactag   248

<210> 224
<211> 248
<212> DNA
<213> Artificial Sequence

<400> 224
aagtaagcgt gttattgcct attcttgtat attgtaggtt ctgaccgtct gaattaccca 60
cttgataata tccgcgttct acatttagga atggaattgt tacagtacct accacaaata 120
actcacctat atctacacca tttaatgtaa agtttcgtaa aaagacaggc tgtgccatct 180
tataacctcc tcataatgtt ctcattctat tataacataa ttctaattaa aaaagttgat 240
gacagtca   248

<210> 225
<211> 248
<212> DNA
<213> Artificial Sequence

<400> 225
ttacctttta caaagtttgg cactggttga cccgtttggt atttagttgc tttggcgcgt 60
acttttactt tactacctac agggaaatca cgtgtgtctg tgatttttgg tttagacggt 120
ggtggttttg gtttaggttt gttgtcagta ttggaactat ttccaccaaa cccatttta 180
atgtctttag caaactgctc tttactaatt ccccatttac gcaagtatgg ataggggtca 240
atatggtc   248

<210> 226
<211> 248
<212> DNA
<213> Artificial Sequence

<400> 226
attagagtca aagccattga gtattgcaaa cgtacaggat ggtcaaaatc catttttaca 60
cacagcttac gcatggagta gtgatggaaa agagaggttc acactccaat acccaaatga 120
taatttatta ttgaattatg atttctcgaa agaccccact attaatggtt ggacaggaaa 180
tggtgcgact atagaatatt caaacgggaa catgcgagtg ttgtttaacg actcatcaac 240
taacagaa   248

<210> 227
<211> 248
<212> DNA
<213> Artificial Sequence

<400> 227
aagtaagcgt gttattgcct attcttgtat attgtaggtt ctgaccgtct gaattaccca 60
cttgataata tccgcgttct acatttagga atggaattgt tacagtacct accacaaata 120
cctcacctat atctacacca tttaatgtaa agtttcgtaa aaagacaggc tgtgccatct 180
tataacctcc tcataatgtt ctcattctat tataacataa ttctaattaa aaaagttgat 240
gacagtca   248

<210> 228
<211> 248
<212> DNA
<213> Artificial Sequence

<400> 228
ttacctttta caaagtttgg cactggttga cccgtttggt atttagttgc tttggcgcgt 60
acttttactt tactacctac agggaaatca cgtgtgtctg tgatttttgg tttagacggt 120
ggtggttgtg gtttaggttt gttgtcagta ttggaactat ttccaccaaa cccatttta 180

atgtctttag caaactgctc tttactaatt ccccatttac gcaagtatgg ataggggtca 240
atatggtc   248

<210>   229
<211>   247
<212>   DNA
<213>   Artificial Sequence

<400>   229
tagtaacgca ctattaaact caccttttgt gttaaatgcg cggttagatg ggagttctgt 60
gtacattttt ccaaacaatg gtgagcctat gattttggtc attagaatag actttccatt 120
tcctccggtg cgtgtaccgc gtgagacaac aatttgagca tgaacagcct caggtttgtt 180
ctcatagacg catgacccta tgaactcaca taatgctttt tcacttagtg ggtcagtaaa 240
gaagttg   247

<210>   230
<211>   247
<212>   DNA
<213>   Artificial Sequence

<400>   230
tggtgcgaat gttgtagccc acttaggttt aaacgcctca gaagggctgt agtcccatga 60
acccatgtag aggtttggtc tagcagggtc gttagacgta tttgggtact gtgatacgtg 120
cccactagtg acggtgaaac cagttggcaa tttcgtacct ctgtagtttt catttagacc 180
aatttcgtct ttaattggct ctgtagcgtc tttgttttct tcattgccaa actgtaggac 240
tttaccg   247

<210>   231
<211>   247
<212>   DNA
<213>   Artificial Sequence

<400>   231
tacgtggctt ctgttaagga gtttctaaag actgtacctg ttaccaatta tggaacgtgg 60
aaaagttacc caatctttga aatcaccaac gcagaagaaa acggtatgat tgctgttatg 120
aacgaaaccg gtaaagtcct acagtttggc aatgaagaaa acaaagacgc tacagagcca 180
attaaagacg aaattggtct aaatgaaaac tacagaggta cgaaattgcc aactggtttc 240
accgtca   247

<210>   232
<211>   247
<212>   DNA
<213>   Artificial Sequence

<400>   232
atttacaaaa gagtcaaacg atttaattat gattgataaa caagttaacc gcaacaagat 60
tgaccctctt gacgcgctta taaacgcgta cagtgaagca tacttttatg agttcgagga 120
aataaacggg tcagaacgtt acgcaagcgg tgattttggt tttggactgt aataaacgaa 180
cgaggcaacc caactagggt tgtctttttc gtgttataat ttataaagaa gttataattg 240
gaggagg   247

<210>   233
<211>   247
<212>   DNA
<213>   Artificial Sequence

<400>   233
aaatatataa ttcgttccat ggtgaacctc ctccaattat aacttcttta taaattataa 60
cacgaaaaag acaaccctag ttgggttgcc tcgttcgttt attacagtcc aaaaccaaaa 120
tcaccgcgtg cgtaacgttc tgaccagttt atttcctcga actcataaaa gtatgcttca 180
ctgtacgcgt ttataagcgc gtcaagaggg tcaatcttgt tgcggttaac ttgtttatca 240
atcataa   247

<210>   234
<211>   247

<212> DNA
<213> Artificial Sequence

<400> 234
acaacgccag ttggacagta aagaggggta ataccctct ttttttgtgc gctatatgat 60
ataatattaa tagaacataa catattagga ggaattataa tgattaaatt agaactaaaa 120
gtaaaagtta aaaaacaaac atttacagcg gagaaagtaa ctgtacgaac aatgcgcgag 180
attttagcat actacagtaa aatggaaaag gttgaaaaag gtgagttaca aatgaatgag 240
attgagg   247

<210> 235
<211> 247
<212> DNA
<213> Artificial Sequence

<400> 235
ggtcagaacg ttacgcaagc ggtgattttg gttttggact gtaataaacg aacgaggcaa 60
cccaactagg gttgtctttt tcgtgttata atttataaag aagttataat tggaggaggg 120
tcaccatgga acgaattata tatttaccta tgattatgta tatactagcg tgtgttttta 180
tggctattgg tgccttttg gtagatataa ccgtaggttt tatggtatta ggtggcgctt 240
gtttggc   247

<210> 236
<211> 247
<212> DNA
<213> Artificial Sequence

<400> 236
ttatgattga taaacaagtt aaccgcaaca agattgaccc tcttgacgcg cttataaacg 60
cgtacagtga agcatacttt tatgagttcg aggaaataaa ctggtcagaa cgttacgcac 120
gcggtgagtt tggttttgga ctgtaataaa cgaacgaggc aacccaacta gggttgtctt 180
tttcgtgtta taatttataa agaagttata attggaggag gttcaccatg gaacgaatta 240
tatattt   247

<210> 237
<211> 246
<212> DNA
<213> Artificial Sequence

<400> 237
ctctaataat ctacagaaca ataatatgta tatacatttg attgtcctgc atttactgtg 60
attgtttttc ctgttgctgt ccatgatgtg tctaatacgt ttgaggcgtc atatctacgc 120
catacaatcg aagtaaaatt atcagtaatg tcatccttgc ctttgacaac tttagctgat 180
atactgattg taccctcacc atttacaaaa aactgtttag acggtgtaat aattacctca 240
gacgga   246

<210> 238
<211> 246
<212> DNA
<213> Artificial Sequence

<400> 238
aatactttaa atgaaagtcc tatatcaatc atcattttta taccattctg aaatgttaat 60
ttaaccgcgt tacctactga cccactgctt ataatcttat attcaatcat ctaatcaccc 120
ccaatcatac tctgtttgtt cttctgaatt gtcgttctct aggttccata atagtttacc 180
taatcgttgc gcctctagtt cctgttcatt atctagagca tgaccaattt tacagagcag 240
tgtgtg   246

<210> 239
<211> 246
<212> DNA
<213> Artificial Sequence

<400> 239
acctgcgatt ttcaattgag aaaaccattg ttctaacatt ccgttagaaa ttggagttcc 60

gctcattaaa taggtgtgtc ctgctttctt acttactttc atccaaaact tagttacgat 120
tgcgctcctg tttgctagac agtgagactc atcaaaaaca atcatagtgt ctttatctat 180
aaatttcaat aattcaggtg ttcgccatga tgattgaaag ctgattgata catattgcgt 240
tcctga 246

<210> 240
<211> 246
<212> DNA
<213> Artificial Sequence

<400> 240
cacacactgc tctgtaaaat tggtcatgct ctagataatg aacaggaact agaggcgcaa 60
cgattaggta aactattatg gaacctagag aacgacaatt cagaagaaca aacagagtct 120
gattgggtgt gattagatga ttgaatataa gattataagc agtgggtcag taggtaacgc 180
ggttaaatta acatttcaga atggtataaa aatgatgatt gatataggac tttcatttaa 240
agtatt 246

<210> 241
<211> 246
<212> DNA
<213> Artificial Sequence

<400> 241
ctaatgacat attaatgtct atagccatcc gtgactctga cgcaaaaggc aatgaagtga 60
ttgttgaata ctggtacggt aacaagttac taaaatctat caagacagac gtaactaagt 120
acaaatcctc ttggttccgc tgtacaatga cacgtgacca aacgggtaag aagttcactt 180
ggaactttga gcatatccaa tcaaacaacg gaattaaacc agttacaaaa aacccattta 240
cctaca 246

<210> 242
<211> 246
<212> DNA
<213> Artificial Sequence

<400> 242
tagagtcaaa gccattgagt attgcaaacg tacaggatgg tcaaaatcca tttttacaca 60
cagcttacgc atggagtagt gatggaaaag agaggttcac actccaatac ccaaatgata 120
atttagtctt gaatgatgat ttctcgaaag accccactat taatggttgg acaggaaatg 180
gtgcgactat agaatattca aacgggaaca tgcgagtgtt gtttaacgac tcatcaacta 240
acagaa 246

<210> 243
<211> 246
<212> DNA
<213> Artificial Sequence

<400> 243
cctatatgaa agagtatcat aatgtagagt tgcattatga tactaagtca gaagatattt 60
ttgttataag aaatgatatg ttcctatggg aataatgtct aataaggagg aaaaataatt 120
gattactgta acgattaata aatggcgaaa agcaaaagtg acacctgtta ttgttacagg 180
tacagtagaa ccgcctgtag gtaaggagga gttactcatt ggacgtgagg cattgcttga 240
cttaga 246

<210> 244
<211> 246
<212> DNA
<213> Artificial Sequence

<400> 244
gaaatttcac aataccccctg tttggaatat tgtctatagg gtgttctatc gttagcctct 60
ttctgaacaa taccaccacc cgttgttgct acccacgcgt gagagtcaac aataaacact 120
tctttttcag ggataggaat aacccacgta acagcggtca agtcatttac tcgtgctagg 180
tctataccaa taaatacttc acgccctgtg atgtcaaact cctcgtctgt gtacgccttt 240
tcccac 246

<210>   245
<211>   246
<212>   DNA
<213>   Artificial Sequence

<400>   245
ttgagtagct catttaattc ctcagtgttt ctatatccca caatcgcatt ataagaccgt 60
ccacctaaat actgtttctc ttctatacag tagcgttctc taaaagattt ccacgttcca 120
gagtatacac ctgcgatttt caattgagaa aaccattgtt ctaacattcc gttagaaatt 180
ggagttccgc tcattaaata ggtgtgtcct gctttcttac ttactttcat ccaaaactta 240
gttacg   246

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

<400>   246
taattgaaaa accagtgaac ggaattattg gcggtgcaaa ctgggtttta gaaaaactag 60
gcatggacaa gttaaaaaca tgggaggcac ctgaatacgc caaaggtaca ccaagtggcg 120
gtcacccggt agatggtccc atgactgtca atgatggacg tggtgctgaa atggttattg 180
acccaagtgg tcaagcggtt atccctaaag gtaagaacgt aacgatgtgg ggacgaaaag 240
gaaccc   246

<210>   247
<211>   246
<212>   DNA
<213>   Artificial Sequence

<400>   247
gaatactttt tcaactaatt tgcttgggtt agttgcgtag tcccaaacgt caccaacaac 60
actgctaacc ttatcaaacg cacttttagc catgtttttg gcaccgttcc agatgtttat 120
tacgcctcct gtaattttgt caaagaagcc agtacctttt ttgtatgcaa acttaggacg 180
tttatgacct aacacttgtg cagtttcttc tgctgttaaa acgtgggttc cttttcgtcc 240
ccacat   246

<210>   248
<211>   246
<212>   DNA
<213>   Artificial Sequence

<400>   248
aatactttaa atgaaagtcc tatatcaatc atcattttta taccattctg aaatgttaat 60
ttaaccgcgt tacctactga cccactgctt ataatcttat attcaatcat ctaatcaccc 120
ccaatcagac tctgtttgtt cttctgaatt gtcgttctct aggttccata atagtttacc 180
taatcgttgc gcctctagtt cctgttcatt atctagagca tgaccaattt tacagagcag 240
tgtgtg   246

<210>   249
<211>   245
<212>   DNA
<213>   Artificial Sequence

<400>   249
cctctgtctt tttagcccgt ttgtgttcta acatatgtgt gcgaacgtca ggtttttcaa 60
aaagagggtt agatttaaac cagttttcct cgtcatccgc ctcgtcaaaa ctatccattt 120
cccaccagag agctaagtag tgttcagcct ctacctcacc tgttaatact ttcatagtca 180
ttggatattc ctccatatga tagtgtccgt ttaggttttg tgaggttgta ctaatcatta 240
agtta   245

<210>   250
<211>   245
<212>   DNA
<213>   Artificial Sequence

<400> 250
gacgggcacc agacagctct tttttaatct ctctcacgtc ctctaaacgt gcgtcaatac 60
gctccatggt taattgcatt ttgataaagt tgtcctcatt cattggcatt cgttcccgct 120
cctaactgtg attgtatgct agtctattta tcattttact catgtagtca acttggttct 180
gtaacgtgtc tactgcgtta tcttgagtgc tatatccgtt tagttcataa atgaggtcgt 240
ccatg   245

<210> 251
<211> 245
<212> DNA
<213> NCIMB 43666 node 183

<400> 251
agagacaaag ccagtgagta ttgcaaacgt acaggatggt caaaatccat ttttacacac 60
agcttacgca tggagtagtg atggaaaaga gaggttcaca ctccaatacc caaatgataa 120
tttagtagtg aattttgatt tctcgaaaga ccccactatt aatggttgga caggaactgg 180
tgcggctata gaatattcta tcgggaacat gcgagtgttg tttaacgact catcaactaa 240
cagaa   245

<210> 252
<211> 245
<212> DNA
<213> Artificial Sequence

<400> 252
acgcttgagg tattgattgc ccactctgtt ttagttgatt tgacagaggc gccattttgt 60
cccgttgttc tcatccacgt gtacttactt gggtccgtgc taggttcttg agtatagtta 120
ctatattcct gtagatggct caaccggtaa tggtgtgaaa tctatcgctg ttacttacgc 180
tgtaggtacc tcaggtacaa cagcaccatc cacaggttgg caagcaacac caccaaatgt 240
aacag   245

<210> 253
<211> 245
<212> DNA
<213> Artificial Sequence

<400> 253
tagacaatgc gtctaaagac ttttctatca cgtgttgagg tggttgtttg atagttccaa 60
actcaataaa gtgcgcgcgc cacgcaacct catcatcaaa gccaatttct acatatccat 120
ctttggcatt gctatagata acatggtctc tcatatgctc acccatatat gaaccacgct 180
taccgctcat ttttgcttta ctgttagacc agtatggtac gcgtttgcta aattcctcag 240
caacc   245

<210> 254
<211> 245
<212> DNA
<213> Artificial Sequence

<400> 254
tgattgtatg ctagtctatt tatcatttta ctcatgtagt caacttggtt ctgtaacgtg 60
tctactgcgt tatcttgagt gctatatccg tttagttcat aaatgaggtc gtccatgtct 120
aacgcgttgc catggaactc ctcctctaga actctgttaa acagcatatt taactcatca 180
tcaaacccat taccgtttaa taccttgtta atatactccg ttttaaattg ctctaacata 240
attat   245

<210> 255
<211> 245
<212> DNA
<213> Artificial Sequence

<400> 255
cgttttaaat gaggtggtaa aatgagtgat aattatgtag actttagtga catctacaaa 60
gcgcttggtg aactaggtaa agacttagac cgtgaggcaa ataaaataat gaacgacata 120
gcgcctgtgg ttgctgagga atttagcaaa cgcgtaccat actggtctaa cagtaaagca 180
aaaatgagcg gtaagcgtgg ttcatatatg ggtgagcata tgagagacca tgttatctat 240

agcaa 245

<210> 256
<211> 245
<212> DNA
<213> Artificial Sequence

<400> 256
tgtactgaga gcgtcaaaat tacctaccct aattaaccca ttattgttgc tgaatgcgtc 60
tattgtgacg gaatatttaa ctcctgctgg caagtagttg gttaataagt cattgctcta 120
atagactctt ctgttagttg atgagtcgtt aaacaacact cgcatgttcc cgtttgaata 180
ttctatagtc gcaccatttc ctgtccaacc attaatagtg gggtctttcg agaaatcata 240
attca 245

<210> 257
<211> 245
<212> DNA
<213> Artificial Sequence

<400> 257
tgaattatga tttctcgaaa gaccccacta ttaatggttg gacaggaaat ggtgcgacta 60
tagaatattc aaacgggaac atgcgagtgt tgtttaacga ctcatcaact aacagaatag 120
tctattagag caatgactta ttaaccaact acttgccagc aggagttaaa tattccgtca 180
caatagacgc attcagcaac aataatgggt taattagggt aggtaatttt gacgctctca 240
gtaca 245

<210> 258
<211> 245
<212> DNA
<213> Artificial Sequence

<400> 258
gtattgttga cactgctgtt ttagttaatt tagtggctcc tgctgttggt gtagccgtta 60
ctgcgtcaaa gattccccaa tactgtatac tattgtcctg tgaaccgttt aataggatat 120
ttggcgcgct aaaattgagg caactaatga gggtgctaca cagtggacag acggtaatac 180
acctacagta gacaatacta gccctacata tgtagggtat agtaccacgg acactgtacc 240
tgagg 245

<210> 259
<211> 244
<212> DNA
<213> Artificial Sequence

<400> 259
tgaccgctgt agcgcagacg ataccgtcac attaacatta ggtgattttc gtattcaata 60
ttcaggtatt gaccctcagt tgctacagat agcgtcagat ttttcaaaac agtttgacaa 120
cagtagtccg tctgaggtaa ttattacacc gtctaaacag ttttttgtaa atggtgaggg 180
tacaatcagt atatcagcta aagttgtcaa aggcagggat gtcattactg ataattttac 240
ttcg 244

<210> 260
<211> 244
<212> DNA
<213> Artificial Sequence

<400> 260
gttgcctgac tgtaaatagc gtaagtatta caataaatga ctagcatgcc agcgtctagt 60
tttgaaattg gtagctgttt aagttgtgga acaaggtcct cgtaaatcaa ccacccgtcc 120
ttagtaattc cctcaggaat atcgtctaat gaaagttgtt cataattata taactcttgt 180
tcttcttgct cgcgctcaat acgctcctct tttgttaaat gactattatc ttgtgcgctg 240
atta 244

<210> 261
<211> 244
<212> DNA

<213> Artificial Sequence

<400> 261
ggtactttta ttacagggca atcactagac gagattgaac atttaaaaaa ttctgacatt 60
tacacagcaa caaacattat cagtggcgat attgctaaat gtttgattag agagcgaccg 120
gatggaagtg taagtaaacc tcagattgta aatatcttgc gtagtaaacc agatacaaac 180
ctaacgtcct acggttggtt gtatgctatt accatgtata ccctttttata tgggtctgcg 240
tttg   244

<210> 262
<211> 244
<212> DNA
<213> Artificial Sequence

<400> 262
tgagttaaaa gatgggttct ataatttagg taagcctgaa attgcaggca aggttgatga 60
agttccaccg cgtcccaata aaccaagcgg gaaacaatat ttagtaattt atgatagtga 120
ggtatttgag caagattttg tcatttgtgc taaagatttg tttagtggta aacgttggga 180
aattgtcaat gacctagaca aggcgcgtaa atggtattta gaagtacgtg acagtctatt 240
tact   244

<210> 263
<211> 244
<212> DNA
<213> Artificial Sequence

<400> 263
tagtacaacc tcacaaaacc taaacggaca ctatcatatg gaggaatatc caatgactat 60
gaaagtatta acaggtgagg tagaggctga acactactta gctctatggt gggaaaggga 120
tagttttgac gaggcggatg acgaggaaaa ctggtttaaa tctaaccctc tttttgaaaa 180
acctgacgtt cgcacacata tgttagaaca caaacgggct aaaaagacag agggagaggc 240
taaa   244

<210> 264
<211> 244
<212> DNA
<213> Artificial Sequence

<400> 264
gttttgtagg taatatccac tgacccatcc tgaggcaggt attttcttac ctgagttctt 60
agttacataa taccattggt tgtttttaat aatcttttga cccgtttgac gtttgggtgt 120
ttcaaacgtg acgcccttag gtaacagacc gtatgacttg taactagtct tggaacctgc 180
acgaatgtgt aggacttcct tagatttcat tgtccatgtt accttatcca ctacctccct 240
tgtg   244

<210> 265
<211> 244
<212> DNA
<213> Artificial Sequence

<400> 265
tctgtattag atgggttaga tgtttgttgc tccatctttg atgaaatggc tgagaataaa 60
gatacttcta ttgttgaggt tattgagtca tctcagtcac aacaattaca acccccttaac 120
ttaatgaata gtacaacctc acaaaaccta aacggacact atcatatgga ggaatatcca 180
atgactatga aagtattaac aggtgaggta gaggctgaac actacttagc tctatggtgg 240
gaaa   244

<210> 266
<211> 244
<212> DNA
<213> Artificial Sequence

<400> 266
tcctatggga ataatgtcta ataaggagga aaaataaatg attactgtaa cgattaataa 60
atggcgaaaa gcaaaagtga cacctgttat tgttacaggt acagtagaac cgcctggagg 120

taaggaggag ttactcattg gacgtgaggc attgcttgac ttagaaacag atagcattta 180
cattgaggct agtgatttaa cttgggtatt ccctacagac attaatgata aacgttacgc 240
ttca 244

<210> 267
<211> 244
<212> DNA
<213> Artificial Sequence

<400> 267
taatcagcgc acaagataat agtcatttaa caaaagagga gcgtattgag cgcgagcaag 60
aagaacaaga gttatataat tatgaacaac tttcattaga cgatattcct gagggactta 120
ctaaggacgg gtggttgatt tacgaggacc ttgttccaca acttaaacag ctaccaattt 180
caaaactaga cgctggcatg ctagtcattt attgtaatac ttacgctatt tacagtcagg 240
caac 244

<210> 268
<211> 244
<212> DNA
<213> Artificial Sequence

<400> 268
tgtaagtaaa cctcagattg taaatatctt gcgtagtaaa ccagatacaa acctaacgtc 60
ctacggttgg ttgtatgcta ttaccatgta tacccttta tatgggtctg cgtttgaaat 120
cattagacgc aacggaacac aagttactaa gctacagatt gtcagccctc atacaattac 180
aatcttacaa gacacagcga gtaaagaatt gtcatatgag tacattgacc ctgacaatca 240
aaag 244

<210> 269
<211> 244
<212> DNA
<213> Artificial Sequence

<400> 269
tttagcagtt gcacgccaac ggtctacccc tgaccctgtt gctgtggtgt caattgctcc 60
accttgtgac tgagggtctt tcacaccatt aatgtgtaag tggtccatgt gtccacctga 120
cgcccaacct tttacaaggt tccatgcgtt acttgttcct gtagtgaaaa agtttttgac 180
acttgtccac ataccactga ttgtattacc aaaaccagag gcaactcatt tgactcctat 240
tatg 244

<210> 270
<211> 243
<212> DNA
<213> Artificial Sequence

<400> 270
tcatagttga ttatctcatg gtcatctgac attttaatga gtcctgctcc atctgtggac 60
gcaattccta tagggttaaa ttccctatca gtaaaataaa attctatttt aaaaaccccc 120
cttacacgtg tttctttatt aattatacca taaaaaagcc actctttggc gagtggctag 180
atgttattac aagtaggttc gttggttctt cacagttact tctaaagtgt ctgtagccca 240
atc 243

<210> 271
<211> 243
<212> DNA
<213> Artificial Sequence

<400> 271
gatatgttag tggataacgt agcctttgag gacttattac cattagtaca gggagtcttt 60
gaacaagtca acgggggtac agtttcaaag gagaaataac aggacttgag gaaaaaacct 120
ttgaggacca gttagaaacc cttgaggaaa catattcatc cctcttagaa agtagctggc 180
aactctcaga gatagagaac gctgactact ttcttttatt acaattgttt ggtaaagagt 240
cta 243

<210> 272

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

<400> 272
ataatagacg aattaattct actagtagct tatagtcttt cataaactct tctttggttt 60
tgtgcgattc aatcaattca attgccgcat atccccacga gttccatccg ccacctacgt 120
cataaaatcc cgcgtttgtg cgtgctgttt gaattactcg cccgttacct actacgtgcg 180
agaagaaccc actgttgacg ggtctgcgca tatgatagtc tgcctcgttt tgcgctgtag 240
atg   243

<210> 273
<211> 243
<212> DNA
<213> Artificial Sequence

<400> 273
catatttcct actggttttc cgctttgcac catgtgttaa tcagctcctt ttttctctag 60
cttttcaagt tcctcaggac ttaagaaacg cttaataaag tcagcgccat ccatcacctt 120
ttcttgtata gactctttac caaacaattg taataaaaga aagtagtcag cgttctctat 180
ctctgagagt tgccagctac tttctaagag ggatgaatat gtttcctcaa gggtttctaa 240
ctg   243

<210> 274
<211> 243
<212> DNA
<213> Artificial Sequence

<400> 274
tgtttcttta ttaattatac cataaaaaag ccactctttg gcgagtggct agatgttatt 60
acaagtaggt tcgttggttc ttcacagtta cttctaaagt gtctgtagcc caatcggagt 120
taatgaactg taggaaatgt tctcctacat caagtgcgaa gccttcccac tgatttccta 180
tggttgctag gtcctcacgt tctacaccat ttacaaagaa ggttttatca tgtgtgttta 240
tga   243

<210> 275
<211> 243
<212> DNA
<213> Artificial Sequence

<400> 275
caataatggg ttaattaggg taggtaattt tgacgctctc agtacatggc aaacaataaa 60
acaaggtgac acaccttcaa cgtataaatt tgagggtata accgcagggg caactcatgc 120
ttttagtata cagggtaatt caaatgcttt aattataact ataacaaaaa taaaaatcga 180
actaggaaac acggcaacca tctacacccc aaacccatct gaagatttcg cgaacgcata 240
tcc   243

<210> 276
<211> 243
<212> DNA
<213> Artificial Sequence

<400> 276
tgtactgaga gcgtcaaaat tacctaccct aattaaccca ttattgtagc tgaatgcgtc 60
tattgtgacg gaatatttaa ctcctgctgg caagtagttg gttaataagt cattgatata 120
atagactctt ctgttagttg atgagtcgtt aaacaacact cgcatgttcc cgtttgaata 180
ttctatagtc gcaccatttc ctgtccaacc attaatagtg gggtctttcg agaaatcata 240
att   243

<210> 277
<211> 243
<212> DNA
<213> Artificial Sequence

<400> 277

ataatagacg aattaattct actagtagct tatagtcttt cataaactct tctttggttt 60
tgtgcgattc aatcaattca attgccgcat atccccacga gttccatccg ccaccaacgt 120
cataaaagcc cgcgtttgtg cgtgctgttt gaattactcg cccgttacct actacgtgcg 180
agaagaaccc actgttgacg ggtctgcgca tatgatagtc tgcctcgttt tgcgctgtag 240
atg   243

<210>   278
<211>   243
<212>   DNA
<213>   Artificial Sequence

<400>   278
acaaaagctt atacagacga atacaattat tgtattgtat ttagtttact taaaaagtct 60
gtggtaacat attggaaaaa taagacctac aatactcatg aaaatgtaga cttaagtaaa 120
tacaacgcat gggcttatga tgggcgctat acatgggtac gctatcaggc agataaaggt 180
acacgctaca tggctgtacg tgaccataaa acgggtgaag tatttgtaac atttagctaa 240
acg   243

<210>   279
<211>   243
<212>   DNA
<213>   Artificial Sequence

<400>   279
aattatgatt tctcgaaaga ccccactatt aatggttgga caggaaatgg tgcgactata 60
gaatattcaa acgggaacat gcgagtgttg tttaacgact catcaactaa cagaatagtc 120
tattatatca atgacttatt aaccaactac ttgccagcag gagttaaata ttccgtcaca 180
atatacgcat tcagcaacaa taatgggtta attagggtag gtaattttga cgctctcagt 240
aca   243

<210>   280
<211>   243
<212>   DNA
<213>   Artificial Sequence

<400>   280
tttttaaaca ctcctgtgct actgtactgt tttatattgt ttttgatttg tgagttctct 60
agtgtaattt cacctgagcc agttgagtta tctgaatatt tcacattgta agggtttctg 120
atggtacaac atcagtagcc tatacagtga actatattcc tgtagatggc tcaaccggta 180
atggtgtgaa atctatcgct gttacttacg ctgtaggtac ctcaggtaca acagcaccat 240
cca   243

<210>   281
<211>   243
<212>   DNA
<213>   Artificial Sequence

<400>   281
ataatagacg aattaattct actagtagct tatagtcttt cataaactct tctttggttt 60
tgtgcgattc aatcaattca attgccgcat atccccacga gttccatccg ccaccaacgt 120
cataaaatcc cgcgtttgtg cgtgctgttt gaattactcg cccgttacct actacgtgcg 180
agaagaaccc actgttgacg ggtctgcgca tatgatagtc tgcctcgttt tgcgctgtag 240
atg   243

<210>   282
<211>   242
<212>   DNA
<213>   Artificial Sequence

<400>   282
gatgaccttg acagtgattt agaaaagaat tggtttgaga cgattaagaa gcatttaggc 60
aaacacacga ttatggaaga ggtttttgac gtttacttac aacctgagga ggtattttaa 120
aggaggacta aagatgttag gttgtgatta ttgtaaattt gaaccaatga gggagacact 180
attttcctca gattacttat ggagtgggag gactgacatg actgaggtgt ttataaacgg 240
ga   242

<210> 283
<211> 242
<212> DNA
<213> Artificial Sequence

<400> 283
gagtagaaat acgctttcaa atggtacgta tacaaattgg gtagtaacta gctcatacac 60
gggtagagac tcaattttta ttagtgctac agctccaagt aacccaacta cagggacatt 120
atggcaataa cctaatgacc ctactgtgct aaaatggaac ggtacagcgt gggaaaactg 180
ggggatgtca attaataata ttgtatcaga caatgttatt gctgaaaacg ggatgtttaa 240
aa   242

<210> 284
<211> 242
<212> DNA
<213> Artificial Sequence

<400> 284
tacaccgtcc cacaagttac ctataacacg tatgaagttg tctttgatac ctgaaacgcc 60
ttttccaatg tttgacgccc aacctttac aaggttccat gcgttacttg ttcctgtagt 120
gaaaaagatt ttgacacttg tccacatacc actgattgta ttaccaaaac cagaggcaag 180
tcctttgact ccttttatga ttttagcaaa gaatagaatt tgtaaccagt tccagatagc 240
ct   242

<210> 285
<211> 242
<212> DNA
<213> Artificial Sequence

<400> 285
ctgttttata ttgtttttga tttgagagat ctctagtgta agttcacctg agccagttga 60
gttatctgaa tatatcacat tgaaagggtt tctgatggta ctacctacaa actcaacccc 120
actaactatt taaaacaacc cgttttcagc aaaaacattg tctgatacaa tataattaat 180
tgacatcccc cagttttccc acgctgaacc gtaccatttt agcacagtag ggtcattagg 240
tt   242

<210> 286
<211> 242
<212> DNA
<213> Artificial Sequence

<400> 286
tcctcaggtt gtaagtaaac gtcaaaaacc tcctccaatc agcttaccac cgcacattgg 60
gcaatagtga atctcaaact gagcggtata accttggttg tcaacctcag ttgtgactgt 120
catagttgtc ccgtttataa acacctcagt catgtcagtc ctcccactcc ataagtaatc 180
tgaggaaaat agtgtctccc tcattggttc aaatttacaa taatcacaac ctaacatctt 240
ta   242

<210> 287
<211> 242
<212> DNA
<213> Artificial Sequence

<400> 287
tgttatcggg ttcattcaag gtatggttga cactgttatg ggtattataa aaatattcac 60
tggactattc acaggtgatt ttaaactcat gtgggatggt gtcaaacaac tattctcagg 120
agcaatctag gctatctgga actggttaca aattctattc tttgctaaaa tcataaaagg 180
agtcaaagga cttgcctctg gttttggtaa tacaatcagt ggtatgtgga caagtgtcaa 240
aa   242

<210> 288
<211> 242
<212> DNA
<213> Artificial Sequence

<400> 288
agtaaaagag tgtattccgt ttgctttacc ttttacgtca cagtctacta ctaataattt 60
gtttagttcc ccacataaga ccccttttatt catgtttctt attttaccta atgttttgta 120
actctctaga gcttgccact cttttatcgc gggaatttta gtacgcgctt tgagaggaaa 180
ccccttaaat tggttgtatt tcattgtatc actccttaga acaaacgcat aagtatataa 240
ac   242

<210> 289
<211> 242
<212> DNA
<213> Artificial Sequence

<400> 289
gtttatatac ttatgcgttt gttctaagga gtgatacaat gaaatacaac caatttaagg 60
ggtttcctct caaagcgcgt actaaaattc ccgcgataaa agagtggcaa gctctagaga 120
gttacaatac attaggtaaa ataagaaaca tgaataaagg ggtcttatgt ggggaacaaa 180
acaaattatt agtagtagac tgtgacgtaa aaggtaaagc aaacggaata cactctttta 240
ct   242

<210> 290
<211> 241
<212> DNA
<213> Artificial Sequence

<400> 290
ttctgttagt tgatgagtcg ttaaacaaca ctcgcatgtt cccgtttgaa tattctatag 60
tcgcaccatt tcctgtccaa ccattaatag tggggtcttt cgagaaatca taagtcaata 120
ctaaattatc atttgggtat tggagtgtga acctctcttt tccatcacta ctccatgcgt 180
aagctgtgtg taaaaatgga ttttgaccat cctgtacgtt tgcaatactc aatggctttg 240
a   241

<210> 291
<211> 241
<212> DNA
<213> Artificial Sequence

<400> 291
taataaagat ggcgtctctc agtcccaaat taaatgccac agtttcttct agtaaaatat 60
tcatggtgac ctctcctctt tacccctcat gtctctcatt aacaacataa tcaaagtcac 120
ttgcaaagag cggaatcatt agttctccat caacgtcaca gtgcaataga ggtgtacggt 180
attggtagtc aataaaaatg gtgtctgttt ccttatctac atatgcaaaa caacccgcgt 240
a   241

<210> 292
<211> 241
<212> DNA
<213> Artificial Sequence

<400> 292
tttccctctc aatttgtttc tattactgtt tggatgttct tgtttgttgt gacaagaaaa 60
acaaatactt tctaaataat tcatatctaa cctatgttcc catccctcag agggtcgtat 120
ctccgtggta tggtgcacca tgtctgcttt ggtagtgata tctttgctca tacatacttc 180
acagaatggt gtctctaata gttttgcttt acgtgttgct ctccattcag gtgtgtgata 240
g   241

<210> 293
<211> 241
<212> DNA
<213> Artificial Sequence

<400> 293
aaaaagaatt gtttattgtt gactctcacg cgtgggtagc aacaacgggt ggtggtattg 60
ttcagaaaga ggctaacgat agaacaccct atagacaata ttccaaacag ggggattgtg 120
aaatttcttc ccgtcctgac ggtcagtgtg attgggagga tatgttaaat tgggttttgg 180

cgtttattga gacaaacaat ttagacgtac aaggtatttg ttatgaccct gcacagtctc 240
a 241

<210> 294
<211> 241
<212> DNA
<213> Artificial Sequence

<400> 294
cttacttggg tccgtgctag gttcttgagt atagttacta gattgaccca tatatagcgg 60
atatgcgttc gcgaaatctt cagatgggtt tggggtgtag atggttgccg tgtttcctcg 120
ttcgattatt atgtttgtta tagttataat taaagcattt gaattaccct gtatactaaa 180
agcattagtt gcccctgcgg ttataccctc aaatttatac gttgaaggtg tgtcaccttg 240
t 241

<210> 295
<211> 241
<212> DNA
<213> Artificial Sequence

<400> 295
gtatgtgtta gtaaatgggg taaaattgcc tattaataca ttgtttggtg ccacaggtgc 60
agagtttaat gggttatatg acccacgttt tcaatttcta acatgtgtga ttgtgcaatt 120
aattatggct gacttctacg agggaattag ggaccatgtt accatgttac agagcaacac 180
agactgtcac gcctacattc ctcatgatga ggaggctgaa cgtattacag acgcgttctg 240
t 241

<210> 296
<211> 241
<212> DNA
<213> Artificial Sequence

<400> 296
gaaatttcac aataccccctg tttggaatat tgtctatagg gtgttctatc gttagcctct 60
ttctgaacaa taccaccacc cgttgttgct acccacgcgt gagagtcaac aatcaacaat 120
tctttttcag ggataggaat aacccacgta acagcggtca agtcatttac tcgtgctagg 180
tctataccaa taaatacttc acgccctgtg atgtcaaact cctcgtctgt gtacgccttt 240
t 241

<210> 297
<211> 241
<212> DNA
<213> Artificial Sequence

<400> 297
aatttagtat tgaattatga tttctcgaaa gaccccacta ttaatggttg gacaggaaat 60
ggtgcgacta tagaatattc aaacgggaac atgcgagtgt tgtttaacga ctcttcaact 120
aacagaatag tctattatag caatgactta ttaaccaact acttgccagc aggagttaaa 180
tattccgtca caatagacgc attcagcaac aataatgggt taattagggt cggtaatttt 240
g 241

<210> 298
<211> 241
<212> DNA
<213> Artificial Sequence

<400> 298
aatttagtat tgaattatga tttctcgaaa gaccccacta ttaatggttg gacaggaaat 60
ggtgcgacta tagaatattc aaacgggaac atgcgagtgt tgtttaacga ctcttcaact 120
aacagaagag tctattatag caatgactta ttaaccaact acttgccagc aggagttaaa 180
tattccgtca caatagacgc attcagcaac aataatgggt taattagggt aggtaatttt 240
g 241

<210> 299
<211> 241

<212> DNA
<213> Artificial Sequence

<400> 299
tacgcgggtt gttttgcata tgtagataag gaaacagaca ccatttttat tgactaccaa 60
taccgtacac ctctattgca ctgtgacgtt gatggagaac taatgattcc gctctttgca 120
agtgactgtg attatgttgt taatgagaga catgaggggt aaagaggaga ggtcaccatg 180
aatattttac tagaagaaac tgtggcattt aatttgggac tgagagacgc catctttatt 240
a   241

<210> 300
<211> 241
<212> DNA
<213> Artificial Sequence

<400> 300
tgagactgtg cagggtcata acaaatacct tgtacgtcta aattgtttgt ctcaataaac 60
gccaaaaccc aatttaacat atcctcccaa tcacactgac cgtcaggacg ggacgaaatt 120
tcacaatccc cctgtttgga atattgtcta tagggtgttc tatcgttagc ctctttctga 180
acaataccac cacccgttgt tgctacccac gcgtgagagt caacaataaa caattctttt 240
t   241

<210> 301
<211> 240
<212> DNA
<213> Artificial Sequence

<400> 301
gtacttagtt gttttagttg ctttactgat tacagtattg gtttatatac ttatgcgttt 60
gttctaagga gtgatacaat gaaatacaac caatttaagg ggtttcctct caaagcgcgt 120
actaaaagtc ccgcgataaa agagtggcaa gctcaagaga gttacaaaac attaggtaaa 180
ataagaaaca tgaataaagg ggtcttatgt ggggaacaaa acaaattatt agtagtagac 240

<210> 302
<211> 240
<212> DNA
<213> Artificial Sequence

<400> 302
cctcaccact gatagtggct caatgtcctc ccaacgtgta aaatcaggtt tccaattcat 60
taagtaagaa acagcctccc tacctgtgcg tgtctcacgg agtttcaggc gtctcattgg 120
gttacctgtt ttagattgtg tttcaatgtt ctctgtaaca acaacctctt ttattccccc 180
tgtcatgggg tcataactca tggcgttacc ttctaatgtt ttccaaagtt caaacatggt 240

<210> 303
<211> 240
<212> DNA
<213> Artificial Sequence

<400> 303
caaagccatt gagtattgca aacgtacagg atggtcaaaa tccatttta cacacagctt 60
acgcatggag tagtgatgga aaagagaggt tcacactcca atacccaaat gataatttag 120
tattgaagta tgatttctcg aaagacccca ctattaatgg ttggacagga aatggtgcga 180
ctatagaata ttcaaacggg accatgcgag tgttgtttaa cgactcatca actaacagaa 240

<210> 304
<211> 240
<212> DNA
<213> Artificial Sequence

<400> 304
gtcctaatga acttgctaga gactttagtt gtttagatgt ttcattcata accttaaagg 60
cgcctgatgg tttccctttt tcgtcaagat aaccgtattc agatacctct tgagttgcct 120
gactgtatat agcgtaagta ttacaataaa tgactagcat gccagcgtct agttttgaaa 180
ttggtagctg tttaagttgt ggaacaaggt cctcgtaaat caaccaccct tccttagtaa 240

<210> 305
<211> 240
<212> DNA
<213> Artificial Sequence

<400> 305
tgtactgaga gcgtcaaaat tacctaccct aattaaccca ttattgttgc tgaatgcgtc 60
tattgtgacg gaatatttaa ctcctgctgg caagtagttg gttaataagt cagtgctata 120
atagactctt ctgttagttg atgagtcgtt aaacaacact cgcatgttcc cgtttgaata 180
ttctatagtc gcaccatttc ctgtccaacc attaatagtg gggtctttcg agaaatcata 240

<210> 306
<211> 240
<212> DNA
<213> Artificial Sequence

<400> 306
tgtactgaga gcgtcaaaat tacctaccct aattaaccca ttattgttgc tgaatgcgtc 60
tattgtgacg gaatatttaa ctcctgctgg caagtagttg gttaataagt cagtgctata 120
atagactatt ctgttagttg atgagtcgtt aaacaacact cgcatgttcc cgtttgaata 180
ttctatagtc gcaccatttc ctgtccaacc attaatagag gggtctttcg agaaatcata 240

<210> 307
<211> 240
<212> DNA
<213> Artificial Sequence

<400> 307
gtacttagtt gttttagttg ctttactgat tacagtattg gtttatatac ttatgcgttt 60
gttctaagga gtgatacaat gaaatacaac caatttaagg ggtttcctct cacagcgcgt 120
actaaaagtc ccgcgataaa agagtggcaa gctcaagaga gttacaaaac attaggtaaa 180
ataagaaaca tgaataaagg ggtcttatgt ggggaacaaa acaaattatt agtagtagac 240

<210> 308
<211> 240
<212> DNA
<213> Artificial Sequence

<400> 308
aagtaaacta aatacaatac aataattgta ttcgtctgta taagcttttg tgctacgtaa 60
cacaactctc ttgtctatca tataggcgcc atcaaaaact tgcttgtact caataacttc 120
ataatgagaa aagagttgaa aaaacacatt aagcagatga acccacaaga gattgtaact 180
gttgtgaata tggttgagag cgctacaaga ggaatgtgta aagagacaat taggactagt 240

<210> 309
<211> 239
<212> DNA
<213> Artificial Sequence

<400> 309
ttgacgcacg tttagaggac gtgagagaga ttaaaaaaga gctgtctggt gcccgtcaac 60
aaatcgcgga cctagccaaa cgtctttcgc agtcaatgga ccatgttaac acactagagg 120
acgccatcaa agagctagca tcacggaacc cctggcttac tagaacaacc gtaggagcaa 180
ttatcactgg tgtagtgggt gctattttgg cattcatcac tggttaaata tatgatata   239

<210> 310
<211> 239
<212> DNA
<213> Artificial Sequence

<400> 310
atgaaagact taggacatga aaccatacct aacaccctaa tggtctatac accgtcagga 60
ggcatacact attattttac gttaccagat gacgcactag acctacgcaa acaacctaga 120
gaggactgag gtatagattt tcagatgaat gggtcctttg tggtagcagt agggtcagag 180

ttagaaaacg ggacatatag cgtggtttcc aataaaccaa tcgcacaagc acccagaga 239

<210> 311
<211> 239
<212> DNA
<213> Artificial Sequence

<400> 311
tgtaggtaaa tgggtttttt gtaactggtt taattccgtt gtttgattgg atatgctcaa 60
agttccaagt gaacttctta cccgtttggt cacgtgtcat tgtacagcgg acccaagatg 120
atttgtactt agttacgtct gtcttgatag attttagtaa cttgttaccg taccagtatt 180
caacaatcac ttcattgcct tttgcgtcag agtcacggat ggctatagac attaatatg 239

<210> 312
<211> 239
<212> DNA
<213> Artificial Sequence

<400> 312
atttaatatc ccgtaactca ggtgctttta cagaaccgtg tgagcgtaca tattcaccga 60
acgcacgaac ctcagcttca gcaacgtttt ctgtagggtt gattttcttt acattttcca 120
tacttctcgc ctctcctttt tctaatttgt ccacgtcttc ctctaatgct ttagcacgtt 180
ccgcgtccac agatttatct ttattttctt ctggttcaac ctcgtctgcc tcatcatcc 239

<210> 313
<211> 239
<212> DNA
<213> Artificial Sequence

<400> 313
tgttaacatg gtcaattgac tgcgaaagac gtttgtctag gtccgcgatt tgttgacggg 60
caccagacag ctctttttta atctctctca cgtcctctaa acgtgcgtca agacgctcca 120
tggttaattg cattttgata aagttgtcct cattcattgg cattcgttcc cgctcctaac 180
tttgattgta tgctagtcta tttatcattt tactcatgta gtcaacttgg ttctgtaac 239

<210> 314
<211> 239
<212> DNA
<213> Artificial Sequence

<400> 314
accattttac gcgttattct acttctatca tctgtgttgt atctgtttgc tagaagaata 60
ccgtccgtga agagtttcaa ttcaacaagg tcaccctcat tacccgtgtg ctcaaatagt 120
ccactataaa aggctaaatc aataacaggt gttttactac gtactagttc ctcacgcatt 180
tccttagcct catcagatag cgtccacaca aactcgtctg cggtaacgtc ctctctgcg 239

<210> 315
<211> 239
<212> DNA
<213> Artificial Sequence

<400> 315
aacaattgtt tgacgtctta gcagatgacc tactaacaga tgaccaatat gagggtttct 60
taattggtaa catttataag tacattaaac gccacaaaga aaaaggtggc agtactgacc 120
ttgaaaaggc acgtgtgtat ttagatacgc taattaaatt tgaggaggaa aaataatgaa 180
cattcatact gatttactta ttttggctgt agacatgaac acaggtaagg caacgggag 239

<210> 316
<211> 239
<212> DNA
<213> NCIMB 43666 node 248

<400> 316
aaaggctaaa tcaataacag gtgttttact acgtactagt tcctcacgca tttccttagc 60
ctcatcagat agcgtccaca caaactcgtc tgcggtaacg tcctctctgc gattcaatag 120

ttcagcatac tcctgtacac accatctaat aaactcagct ttctcatgtt cgttgtttag 180
tgcgtctctc atctcagtag acacatcagg gttaaattga cgcataaacg ttactttgt   239

<210>   317
<211>   239
<212>   DNA
<213>   Artificial Sequence

<400>   317
ttagttttaa gtgtccagag cgtttgtttg attatgcaaa aacctatatg aaagagtatc 60
ataatgtaga gttgcattat gatactaagt cagaagatat ttttgttata agaaatgata 120
tggtcctatg ggaataatgt ctaataagga ggaaaaataa atgattactg taacgattaa 180
taaatggcga aaagcaaaag tgacacctgt tattgttaca ggtacagtag aaccgcctg   239

<210>   318
<211>   239
<212>   DNA
<213>   Artificial Sequence

<400>   318
aaattaccta ccctaattaa cccattattg ttgctgaatg cgtctattgt gacggaatat 60
ttaactcctg ctggcaagta gttggttaat aagtcattgc tataatagac tattctgtta 120
gttgatgagt cgttaaacaa cactcgcatg ttcccgtttg aatattctat agtcgcacca 180
tttcctgtcc aaccattaat agtggggtct ttcgagaaat cataattcaa tactaaatt   239

<210>   319
<211>   239
<212>   DNA
<213>   Artificial Sequence

<400>   319
aatttagtat tgaattatga tttctcgaaa gaccccacta ttaatggttg gacaggaaat 60
ggtgcgacta tagaatattc aaacgggaac atgcgagtgt tgtttaacga cacatcaact 120
aacagaagag tctattatag caatgactta ttaaccaact acttgccagc aggagttaaa 180
tattccgtca caatagacgc attcagcaac aataatgggt taattagggt aggtaattt   239

<210>   320
<211>   238
<212>   DNA
<213>   Artificial Sequence

<400>   320
cctaagtggg ctacaacatt cgcaccaaac gcatggtcag gaccttccct tacaacgcct 60
gtcaaagcac catcaacagg tttacgaaca ggagccttta aatttgagga ccggatagac 120
ttcggtacta cgtcagaaaa gaacggacgt tatgagttgg ttattttgac agacgctaat 180
gacatattaa tgtctatagc catccgtgac tctgacgcaa aaggcaatga agtgattg   238

<210>   321
<211>   238
<212>   DNA
<213>   Artificial Sequence

<400>   321
atagcgccca tcataagccc atgcgttgta tttaatcgta tatcctttag gtaattgacc 60
tgtgattttt gcatttgttg acgcgcttgc acgaacgttc atgacgcctt tagtagtagc 120
cttagcagtt tcagttgtcc atttaaggac tcctgacggt ttagagctat tacccatgtt 180
agatgacgcc gtgtctaggt cttgtgctaa gaaccatgag ttaataccat caacaaga   238

<210>   322
<211>   238
<212>   DNA
<213>   Artificial Sequence

<400>   322
ctctgattga gtaccagtca cactaatacc atcctgacca aagcgcgcca ctgagtaggt 60

tgtttggtta ctattatctg taaatgtcca gataatacgt gtccataggt attgaccacc 120
tgttacagtt ggtggtgttg cttgccaacc tgtggatggt gctgttgtac ctgaggtacc 180
tacagcgtaa gtaacagcga tagatttcac accattaccg gttgagccat ctacagga   238

<210>   323
<211>   238
<212>   DNA
<213>   Artificial Sequence

<400>   323
cgaaattgcc aactggtttc accgtcaata gtgggcacgt atcacagtac ccaaatacgt 60
ctaacgaccc tgctagacca aacctctaca tgggttcatg ggactacagc ccttctgagg 120
cgtttaatcc taagtgggct acaacattcg caccaaacgc atggtcagga ccttccctta 180
caacgcctgt caaagcacca tcaacaggtt tacgaacagg agcctttaaa tttgagga   238

<210>   324
<211>   238
<212>   DNA
<213>   Artificial Sequence

<400>   324
agagacccta taccatgtag aacgattgat ggtatacgtc agctcattcc gtacgaacat 60
ttacaagaaa tttaaaaata atgcttgaca actggttggg gttttgataa actaataaat 120
gtattaatac attaggagga aaacagatga ataaagaaga aacacacaaa gcgtttgaga 180
acgtcttaca ggaactaaag tttgattttg ataagttgaa atacggtaaa aaagtaga   238

<210>   325
<211>   238
<212>   DNA
<213>   Artificial Sequence

<400>   325
ttggtggtgt tgcttaccaa cctgtggatg gtgctgttgt acctgaggta cctacagcgt 60
aagtaacagc gatagatttc acaccattac cggttgagcc atctacagga ctatagttca 120
ctgtataggc tactgatgtt gtaccatcag tgtactccca cgttgtacgt gtccagaggt 180
atttaccttt ttctagagtt gggatggttg tactccatcc tgatgtaggt tcatcaac   238

<210>   326
<211>   238
<212>   DNA
<213>   Artificial Sequence

<400>   326
tgagcgcatt tgtttttcaa ttttcattga atcattctcc tttctatctc taatcattat 60
aacacaaaaa aggaggctta agcctcctta ggttatgcta aacgcccttg acgtctgtta 120
gataccagtt gtccgcgttg cttatcttta gttaaagcag ggtttagttc cgcagtaact 180
ttacgtttgt ctaagtagac gtccgtgtcc ttttctagta atgcttgtaa cagtgcgt   238

<210>   327
<211>   238
<212>   DNA
<213>   Artificial Sequence

<400>   327
caaggttctc aggcgtttcc catctattgg acattaggtt cactctcctt ataagtgaaa 60
tcacttgcga aaaatgaagc gtaacgttta tcattaatgt ctgtagggaa tacccaagtt 120
aaatcacgag cctcaatgta aatgctatct gtttctaagt caagcaatgc ctcacgtcca 180
atgagtaact cctccttacc tacaggcggt tctactgtac ctgtaacaat aacaggtg   238

<210>   328
<211>   238
<212>   DNA
<213>   Artificial Sequence

<400>   328

ttgtccgcgt tgcttatctt tagttaaagc agggtttagt tccgcagtaa ctttacgttt 60
gtctaagtag acgtccgtgt ccttttctag taatgcttgt aacagtgcgt gtgtttgttg 120
ttgctgtaca atcaattgag caattagctc atcattagaa ccctgaccag ctaccacggt 180
tgtttgtgat acacctaacc gcttttgtgc ctcagctagt agatacatag cgcgtgag   238

<210>   329
<211>   238
<212>   DNA
<213>   Artificial Sequence

<400>   329
gcacctgtag caaacaaagc ttccgttgtt aaaacatcta gatggctact caagtataaa 60
gactcagtag ccacaaggga ggtagtggat aaggtaacaa ggacaatgaa ctctacggaa 120
gacctacaca ttcgtgcagg ttccaagact agttacaagt catacggtct gttacctaag 180
ggcgtcacgt ttgaaacaac caaacgtcaa acgggtcaaa agattattaa aaacaacc   238

<210>   330
<211>   238
<212>   DNA
<213>   Artificial Sequence

<400>   330
aatgaacagg aacctcaaga cggtaccagt cactgaggta gatggtaaat taatattagg 60
ttttaatgta cctgaactaa gacaattgat taaataaaaa agagacctat ctaggtctct 120
ttactctttt acagaggttt tatttagaac gagttcacta tcactcaggt ttggcgtaga 180
tgggtcagga atttagttta ccgcgttgac caaggtcaag gctaaaagat acgggtta   238

<210>   331
<211>   238
<212>   DNA
<213>   Artificial Sequence

<400>   331
agagacccta taccatgtag aacgattgat ggtatacgtc agctcattcc gtacgaacat 60
ttacaagaaa tttaaaaata atgcttgaca actggttggg gttttgataa tctaataaat 120
gtattaaaac attaggagga aaacagatga ataaagaaga aacacacaaa gcgtttgaga 180
acgtcttaca ggaactaaag tttgattttg ataagttgaa atacggtaaa aaagtaga   238

<210>   332
<211>   238
<212>   DNA
<213>   Artificial Sequence

<400>   332
ttcattgtcc atgttacctt atccactacc tcccttgtgg ctactgagtc tttatacttg 60
agtagccatc tagatgtttt aacaacggaa gctttgtttg ctacaggtgc cttgtaggta 120
aatgggtttt ttgtaactgg tttaattccg ttgtttgatt ggatatgctc aaagttccaa 180
gtgaacttct tacccgtttg gtcacgtgtc attgtacagc ggaaccaaga tgatttgt   238

<210>   333
<211>   238
<212>   DNA
<213>   Artificial Sequence

<400>   333
ttctgttagt tgatgagtcg ttaaacaaca ctcgcatgtt cccgtttgaa tattctatag 60
tcgcacgatt tcctgtccaa ccattaatag tggggtcttt cgagaaatca gaattcaata 120
ctacattatc atttgggtat tggagtgtga acctctcttt tccatcacta ctccatgcgt 180
aagctgtgtg taaaaatgga ttttgaccat cctgtacgtt tgcaatactc aatggctt   238

<210>   334
<211>   238
<212>   DNA
<213>   Artificial Sequence

<400> 334
aaagtaaaag tacgcgccaa agcaactaaa taccaaacgg gtcaaccagt gccaaacttt 60
gtaaaaggta aaacatacaa agtaaaagaa cgtaaaacag ttaatcaatc tgtaagtaaa 120
tatgcgtgtc ttgttgatgg tattaactca tggttcttag cacaagacct agacacggcg 180
tcatctaaca tgggtaatag ctctaaaccg tcaggagtcc ttaaatggac aactgaaa   238

<210> 335
<211> 238
<212> DNA
<213> Artificial Sequence

<400> 335
taacccgtat cttttagcct tgacctttgt caacgcggta aacttaattc ctgacccaac 60
tacgccaaac ctgagtgata gtgaactcgt tctaaataaa acctctgtaa tagagtaaag 120
agacctatat aggtctcttt tttatttaat caattgtctt agttcaggta cattaaaacc 180
taatattaat ttaccatcta cctcagtgac tggtaccgtc ttgaggttca tgttcatt   238

<210> 336
<211> 238
<212> DNA
<213> Artificial Sequence

<400> 336
acataattat ccccccttaga ataaatcttg acccgcatat acgcaagaga tgtttatcca 60
tgcgcctgac ggaatcgcac tatctactgt agtaccatac ctacttacta taattgcacc 120
atccttgcgc acttctagta gtagcctgtt cattccagaa ccttgatgaa tgagtgttac 180
gttattcaat ggtctagccc aaactggtag aggttggtta atgacatatt gacctgcg   238

<210> 337
<211> 238
<212> DNA
<213> Artificial Sequence

<400> 337
ctgtatatgc aaacaacggt ttagacctaa tggaggcagt acagcaatat gagaaagtac 60
gcgctgaggg aatgcgttta caggagcaag aaatagaaaa gaaagtgact ctacgcgtgg 120
atggggacca ggatgaagtt gaggatgagt ttgttattgt taagattgct aaaaatgatt 180
taggtaacct tgatgttgcg tatgagctag tataacaacg ttttacacat aaatggta   238

<210> 338
<211> 238
<212> DNA
<213> Artificial Sequence

<400> 338
aatttagtat tgaattatga tttctcgaaa gacaccacta ttaatggttg gacaggaaat 60
ggtgcgacta tagaatattc aaacgggaac atgcgagtgt tgtttaacga atcatcaact 120
aacagaatag tctattatag caatgactta ttaaccaact acttgccagc aggagttaaa 180
tattccgtca caatagacgc attcagcaac aataatgggt taattagggt aggtaatt   238

<210> 339
<211> 238
<212> DNA
<213> Artificial Sequence

<400> 339
aatttagtat tgaattatga tttctcgaaa gaccccacta ttaatggttg gacaggaaat 60
ggtgcgacta tagaatattc aaacgggaac atgcgagtgt tgtttaacga atcatcaact 120
aacagaagag tctattatag caatgactta ttaaccaact acttgccagc aggagttaaa 180
tattccgtca caatagacgc attcagcaac aataatgggt taattagggt aggtaatt   238

<210> 340
<211> 238
<212> DNA
<213> Artificial Sequence

<400> 340
taacccgtat cttttagcct tgacctttgt caacgcggta aacttaattc ctgacccaac 60
tacgccaaac ctgagtgata gtgaactcgt tctaaataaa acctctgtaa ttgagtatat 120
agacctagat aggtctcttt tttatttaat caattgtctt agttcaggta cattacaacc 180
taatattaat ttaccatcta cctcagtgac tggtaccgtc ttgaggttca tgttcatt   238

<210> 341
<211> 238
<212> DNA
<213> Artificial Sequence

<400> 341
tctacttttt taccgtattt caacttatca aaatcaaact ttagttcctg taagacgttc 60
tcaaacgctt tgtgtgtttc ttctttattc atctgttttc ctcctaatgt attaatacat 120
ttattagatt atcaaaaccc caaccagttg tcaagcatta tttttaaatt tcttgtaaat 180
gttcgtacgg aatgagctga cgtataccat caatcgttct acatggtata gggtctct   238

<210> 342
<211> 237
<212> DNA
<213> Artificial Sequence

<400> 342
cgctgtagat gatgaattcc ccgtactgtg tacgtgaatt tgtccatacg gtcttacccc 60
tacttgtggt aaacctgagc gcatttgttt ttcaattttc attgaatcag tctcctttct 120
atctctaatc attataacac aaaaaaggag gcttaagcct ccttaggtta tgctaaacgc 180
ccttgacgtc tgttagatac catttgtccg cgttgcttat ctttagttaa agcaggg   237

<210> 343
<211> 237
<212> DNA
<213> Artificial Sequence

<400> 343
ccctgcttta actaaagata agcaacgcgg acaaatggta tctaacagac gtcaagggcg 60
tttaccataa cctaaggagg cttaagcctc cttttatgtg ttataaagag tagagataga 120
caggagaatg attcaatgaa aatagaaaaa caaatgcgct ccggtttacc acaagtaggg 180
gtaagaccgt atggacaaat tcacgtacac agtacgggga attcatcatc tacagcg   237

<210> 344
<211> 237
<212> DNA
<213> Artificial Sequence

<400> 344
taggctcgtc cataatgcgg gcacgcaatt catctaaaac attgtctaac tccgcgtcat 60
gtaattctaa tacctctgct aattttgtca tattatttct cctcctcatc gtctaatacc 120
tcaatttggt tatcatatac ccaccatagg tgaccatcaa tacttagttc aagttggtgc 180
gtttgtccgt caatttcttc agcgctatga gctactctga acacctctcc aacgtat   237

<210> 345
<211> 237
<212> DNA
<213> Artificial Sequence

<400> 345
gacgtcaatc atctgtgtaa tagcactctt tacaattcct gactctagaa tgtcaaaccc 60
cacagcgtgt gcgtgcagta cattgtaagc aaacattaga cgagcgtgta tcataatgtc 120
taattctata ggctcgtcca taatgcgggc acgcaattca tctaaaacat tgtctaactc 180
cgcgtcatgt aattctaata cctctgctaa ttttgtcata ttatttttcc tcctcat   237

<210> 346
<211> 237
<212> DNA

<213> Artificial Sequence

<400> 346
ttactaaagt ggtaatctcc atgagtcgta agaacggtaa atcattatta atcgcgggta 60
ttgcattata tgaacttctt tacgaacgtt cgccaatggc gtcccgtcaa atatattcta 120
cagccaaaac aaaagaccaa gcgtctattt gtttccgcat gattaagaca caactacagg 180
ctgttagaaa gaaatctaaa aaggttcgtg agtttacaaa agtaaacaaa tatgaca   237

<210> 347
<211> 237
<212> DNA
<213> Artificial Sequence

<400> 347
acaaaagacc aagcgtctat ttgtttccgc atgattaaga cacaactaca ggctgttaga 60
aagaaatcta aaaaggttcg tgagtttaca aaagtaaaca aatatgacaa tgagacaaaa 120
gatgactctt tttgtaaagc tctagcctca gactcatctg tattagatgg gttagatgtt 180
tgttgctcca tctttgatga aatggctgag aataaagata cttctattgt tgaggtt   237

<210> 348
<211> 237
<212> DNA
<213> Artificial Sequence

<400> 348
cgctgtagat gatgaattcc ccgtactgtg tacgtgaatt tgtccatacg gtcttacccc 60
tacttgtggt aaacctgagc gcatttgttt ttcaattttc attgaatcag tctccttttct 120
atctctactc attataacac aaaaaaggag gcttaagcct ccttaggtta tgctaaacgc 180
ccttgacgtc tgttagatac catttgtccg cgttgcttat ctttagttaa agcaggg   237

<210> 349
<211> 236
<212> DNA
<213> Artificial Sequence

<400> 349
aacagtacac tcatataggc gtcattatat tctgttaatc taacatgttc aaccttaacc 60
attaaaatac ctcctcaggt tgtaagtaaa cgtcaaaaac ctcctccact cagcttacca 120
ccgcacattg ggcaatagtg aatctcaaac tgagcggtat aaccttggtt gtcaacctca 180
gttgtgactg tcatagtttt cccgtttata aacacctcag tcatgtcagt cctccc   236

<210> 350
<211> 236
<212> DNA
<213> Artificial Sequence

<400> 350
cgtatacaaa ttgggtagta actagctcat acacgggtag agacacaatt tttatgagag 60
ctacagctcc aagtcaccca actacaggga cagtatggca aaaaccttct gaccctactg 120
tgctaaaatg gaacggtaca gcgtgggcaa actgggggat gtcaattaat aatattgtat 180
cagacaatgt tattgctgaa aacgggatgt ttaaaaaagt tagtggggtt gagatt   236

<210> 351
<211> 236
<212> DNA
<213> Artificial Sequence

<400> 351
cgtatacaaa ttgggtagta actagctcat acacgggtag agactcaatt tttattagtg 60
ctacagctcc aagtaaccca actacaggga cattatggca aaaacctaat gaccctactg 120
tgctaaactg gaacggtaca gcgtgggaaa actgggggat gtcaattaat aatattgtat 180
cagacaatgt tattgctgaa aacgggatgt ttaaaaaagt tagtggggtt gagatt   236

<210> 352
<211> 236

<212> DNA
<213> Artificial Sequence

<400> 352
gggaggactg acatgactga ggtgtttata aacgggaaaa ctatgacagt cacaactgag 60
gttgacaacc aaggttatac cgctcagttt gagattcact attgcccact gtgcggtggt 120
aagctgattg gaggaggttt ttgacgttta cttacaacct gaggaggtat tttaatgttt 180
aaggttgaac atgttagatt aacagaatat aatgacgcct atatgagtgt actgtt   236

<210> 353
<211> 236
<212> DNA
<213> Artificial Sequence

<400> 353
tcctgttcat tatctagagc atgaccaatt ttacagagca gtgtgtggcg cattagttct 60
aattctttac gcagtggtct attcattgtc tcactggcgt caaacataat agaggcatga 120
aataaattgt cataacaatt attcaatgtg tccccatctt taaagcccac aaatttatca 180
ttacccacat tgggaacaaa catatctgcc accaacttag caacatacat aaccct   236

<210> 354
<211> 236
<212> DNA
<213> Artificial Sequence

<400> 354
acgcctcagt aacacgtgac gtaagagcgc tagtagcttt cttaatcatt ccacgggcaa 60
cgtctagagg atattttatg agacctgagg tgtctactac gctagagact actttttcaa 120
ctaatttgct tgggttagtt gcgtagtccc aaacgtcacc aacaacactg ctaaccttat 180
caaacgcact tttagccatg tttttggcac cgttccagat gttttttacg cctcct   236

<210> 355
<211> 236
<212> DNA
<213> Artificial Sequence

<400> 355
gtctcctggt ctatatccac ttgttacgcg cataccaggg tatttggcaa tcaccttacg 60
cgctacatta gtaaggtatt tatacacacc cgctgtacct acagacgtat ctaggctccc 120
gctctcacac gcctcagtaa cacgtgacgt aagagcgcta gtagctttct taatcattcc 180
acgggcaacg tctagaggat attttatgag acctgaggtg tctactacgc tagaga   236

<210> 356
<211> 236
<212> DNA
<213> Artificial Sequence

<400> 356
acacatatca ccgcacaatt gaccaaattg gtagattggt agagatttca ctagtttcaa 60
ttcccgcata tgatgataca actgtagcag tggcacaacg gtcacaaaca gcgtttaaag 120
aacaaaaaag aaaattagaa ttagaacttg acattttaga attaatgtga tacagctaac 180
tcacccgcgg ttaataaacg cgtgttataa ttatttaaga aacataataa ggagtg   236

<210> 357
<211> 236
<212> DNA
<213> Artificial Sequence

<400> 357
gctccaccac tagggaactc agacgcattt gctactgtta ccgtagaaac gttgttagga 60
atagctccta atttgaacat taagcccgcc tttgtgtctg tagctactcc gtcaaaacgg 120
atggcacccg ctaacatttc accgtagaca ttgtggtctt gccaacgtac cgtcatttca 180
gtacgtttga acaaagtaat agcttgttct aagtcaccaa tgaataatag tttatc   236

<210> 358

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

<400> 358
ctaccacaaa ggacccattc atctgaaaat ctatacctaa gtcctctcta ggttgtttgc 60
gtaggtctag tgcgtcatct ggtaacgtaa aataatagtg tatgcctcct gacggtgtat 120
agaccatgag ggtgttaggt atggtttcat gtcctaagtc tttcattaag gtagtaaaag 180
agtgtattcc gtttgcttta ccttttacgt ccccgtctac tactaataat ttgttt   236

<210> 359
<211> 236
<212> DNA
<213> Artificial Sequence

<400> 359
acctactgac ccactgctta taatcttata ttcaatcatc taatcacacc caatcatact 60
ctgtttgttc ttctgaattg tcgttctcta ggttccataa tagtttacct aatcgttgcg 120
cctctaggtc ctgttcatta tctagagcat gaccaatttt acagagcagt gtgtggcgca 180
ttagttctaa ttctttacgc agtggtctat tcattgtctc actggcgtca aacata   236

<210> 360
<211> 236
<212> DNA
<213> Artificial Sequence

<400> 360
tatggtcaac ctcatctgct aactcgtcta cctctaaacg agcgtctaac aacttttccc 60
ttagcatttc gttttctcta atgaggttat tacgttcacg aagtaataga actttatcct 120
ctttatccag gttctcaggc gtttcccatc tattggacat taggttcact ctccttataa 180
gtgaaatcac ttgcgaaaaa tgaagcgtaa cgtttatcat taatgtctgt agggaa   236

<210> 361
<211> 236
<212> DNA
<213> Artificial Sequence

<400> 361
ttcgtgcata ttgccttaat acgcgaacgt ttaccctcat tgtacatata gtccctcatg 60
tcctctttta ccattttacg cgttattcta cttctatcat ctgtgttgta tctgtttgct 120
agaagaagac cgtccgtgaa gagtttcaat tcaacaaggt caccctcatt acccgtgtgc 180
tcaaatagtc cactattaaa ggctaaatca ataacaggtg ttttactacg tactag   236

<210> 362
<211> 236
<212> DNA
<213> Artificial Sequence

<400> 362
tttgtgaccg ttgtgccact gctacagttg tatcatcata tgcgggaatt gaaactagtg 60
aaatctctac caatctacca atttggtcaa ttgtgcggtg atatgtgtat gtgtttgcgt 120
tgtatgacca cgtatcactt ttaaccataa acccaaacga acactgtgat aggtcaccgc 180
gttttactaa ctcatagacg tctctaccta attgggtatt tggtaattgt agacgg   236

<210> 363
<211> 236
<212> DNA
<213> Artificial Sequence

<400> 363
tatattaaaa ccatcacgga gttattatgg aatatgggcg ccatcatgtt tgaaaaggtt 60
tatccattat taaaacccat actagacacg atttttagtg cgttcggtcg cattttcaaa 120
caggtaagcg agttctataa tcagtatggt aaacaaatca tggaagcgtt catgaacttc 180
cttaatttta ttagtccact actaaaaatt gtaattggtt tagttggtga ctttgt   236

<210>   364
<211>   236
<212>   DNA
<213>   Artificial Sequence

<400>   364
catattatgg tcaatgcgta gattattttt aatttggtca attgttagca ttatctcact 60
cctatctaat aaaaaagagg taagaggttt taccccttac ccctcaatgg gttagttatt 120
aggctccagc tccaccacta gggaactcag acgcatttgc tactgttacc gtagaaacgt 180
tgttaggaat agctcctaat ttgaacatta agcccgcctt tgtgtctgta gctact   236

<210>   365
<211>   236
<212>   DNA
<213>   Artificial Sequence

<400>   365
aatctcaacc ccactaactt ttttaaacat cccgttttca gcaataacat tgtctgatac 60
aatattatta attgacatcc cccagttttc ccacgctgta ccgttccagt ttagcacagt 120
agggtcagta ggtttttgcc ataatgtccc tgtagttggg ttacttggag ctgtagcact 180
aataaaaatt gagtctctac ccgtgtatga gctagttact acccaatttg tatacg   236

<210>   366
<211>   236
<212>   DNA
<213>   Artificial Sequence

<400>   366
gggaggactg acatgactga ggtgtttata aacgggaaaa ctatgacagt cacaactgag 60
gttgacaacc aaggttatac cgctcagttt gagattcact attgcccact gtgcggtggt 120
aagctgagtg gaggaggttt ttgacgttta cttacaacct gaggaggtat tttaatgttt 180
aaggttgaac atgttagatt aacagaatat aatgacgcct atatgagtgt actgtt   236

<210>   367
<211>   235
<212>   DNA
<213>   Artificial Sequence

<400>   367
tacgcgggtt gttttgcata tgtagataag gaaacagaca ccatttttat tgactaccaa 60
taccgtacac ctctattgca ctgtgacgtt gatggagaac taatgattcc gctatttgca 120
agtgactgtg attatgttgt taatgagaga catgaggggt aaagaggaga ggtcaccatg 180
aatattttac tagaagaaac tgtggcattt aatttgggac tgagagacgc catct   235

<210>   368
<211>   235
<212>   DNA
<213>   Artificial Sequence

<400>   368
tgcgtaacgt tctgaccagt ttatttcctc gaactcataa aagtatgctt cactgtacgc 60
gtttataagc gcgtcaagag ggtcaatctt gttgcggtta acttgtttat caatcataat 120
taaatcgatt gactcttttg taaatgcgtt gtacacggct cttgtcaata gagggttgtt 180
aaagtgaagg accttgcccg ctcgtatatc cacttgtaat tgtttagtag gtggg   235

<210>   369
<211>   235
<212>   DNA
<213>   Artificial Sequence

<400>   369
agccctgatt ttttaaacga ttctaatgcc atgagtgtct tgcctgagcc aacctcacta 60
tgatttagat tatgtgtttc ccatttgtct atgaccattt gctgttggtc cgttggtatt 120
aacattatat tacctcctcc acattagtct atcatgaaac catgtagggt tgttgtgttg 180
ggtagtaggt tatattttgt tattattgta cacattcaaa aaccgtgtac acttt   235

<210>   370
<211>   235
<212>   DNA
<213>   Artificial Sequence

<400>   370
tcattgcctt ttgcgtcaga gtcacggatg gctatagaca ttaatatgtc attagcgtct 60
gtcaaaataa ccaactcata acgtccgttc ttttctgacg tagtaccgaa gtctatccgt 120
tcctcaattt taaaggctcc tgttcgtaaa cctgttgatg gtgctttgac aggcgttgta 180
agggaaggtc ctgaccatgc gtttggtgcg aatgttgtag cccacttagg tttaa   235

<210>   371
<211>   235
<212>   DNA
<213>   Artificial Sequence

<400>   371
cttctaaaac ttggttatgt tagtatagac gagtttattg aaaaggctag agaggaatta 60
taggaggtaa ctgcttatga aacttgtaaa tatgactaag aaaactagac ctacagaaga 120
taacttactc cattcaatat gggtacgcga atatggtggg tttttcctac catctaattt 180
aatgggtgga tgggttcttg ttgacatgaa tgaccctagc aacggttata atggt   235

<210>   372
<211>   235
<212>   DNA
<213>   Artificial Sequence

<400>   372
ggcaagacac tcatggcatt agaatcgttt aaaaaatcag ggctaaagaa actcgtagta 60
gtgtgccttg cgtctaaggt gtctgattgg gcttctgagg ggtctaatca aggtttaggt 120
ataattaccc taagtgggtc tccaaagctc agaggagagc ttctagaggc gtcaggaacg 180
caatatgtat caatcagctt tcaatcatca tggcgaacac ctgaattatt gaaat   235

<210>   373
<211>   235
<212>   DNA
<213>   Artificial Sequence

<400>   373
caacagcaaa tggtcataga caaatgggaa acacataatc taaatcatag tgaggttggc 60
tcaggcaaga cactcatggc attagaatcg tttaaaaaat cagggctcaa gaaactcgta 120
gtagtgtgcc ttgcgtctaa ggtgtctgat tgggcttctg aggggtctaa acaaggttta 180
ggtataatta ccctaagtgg gtctccaaag ctcagaggag agcttctaga ggcgt   235

<210>   374
<211>   235
<212>   DNA
<213>   Artificial Sequence

<400>   374
caaacattaa tggaggacta ctagaatgaa taaaccaagt ttaggactat atgttattat 60
tgctttgttg tttggaggca ttggcttaca ccgtatgtat gagggaaaac ttggctcagg 120
tttcttggtc ctattcttat tttggacggg tgtaccagtg gttatttcat ggattgacat 180
tattacagca ctaacaacgc gcagacactt attttcatag gaggaatagt atggg   235

<210>   375
<211>   235
<212>   DNA
<213>   Artificial Sequence

<400>   375
tgtttagact ctttaccaaa caattgtaat aaaagaaagt agtcagcgtt ctctatctct 60
gagagttgcc agctactttc taagagggat gaatatgttt cctcaagggt ttctaactgt 120
tcctcaatgg ttttttcctc aagtcctgtt atttctcctt tgaaactgta cccccgttga 180

cttgttcaaa gactccctgt actaatggta ataagtcctc aaaggctacg ttatc 235

<210> 376
<211> 235
<212> DNA
<213> Artificial Sequence

<400> 376
tagttttctt agtcatattt acaagtttca taagcagtta cctcctataa ttcctctcta 60
gccttttcaa taaactcgtc tatactaaca taaccaagtt ttagaaggtg tgccacctgt 120
agcattgcat agttagcata taatgtgagt gttcggtcat caacaccttg ctcacgcatg 180
tcgttttcta aatcaattaa aatacggtct gtgttttcaa cttctactaa taact 235

<210> 377
<211> 235
<212> DNA
<213> Artificial Sequence

<400> 377
cccatactat tcctcctatg aaaataagtg tctgcgcgtt gttagtgctg taataatgtc 60
aatccatgaa ataaccactg gtacacccgt ccaaaataag aataggaaca agaaacctga 120
gccaagtgtt ccctcataca tacggtgtaa gccaatgcct ccaaacaaca aagcaataat 180
aacatatagt cctaaacttg gtttattcat tctagtagtc ctccattaat gtttg 235

<210> 378
<211> 235
<212> DNA
<213> Artificial Sequence

<400> 378
agtctattat agcaatgact tattaaccaa ctacttgcca gcaggagtta aatattccgt 60
cacaatagac gcattcagca acaataatgg gttaattagg gtaggtactt ttgacgctct 120
cagtacatgg caaacaataa aacaaggtga cacaccttca acgtataaat ttgagggtat 180
aaccgcaggg gcaactaatg cttttagtat acatggtaat tcaaatgctt taatt 235

<210> 379
<211> 235
<212> DNA
<213> Artificial Sequence

<400> 379
actacagtaa aatggaaaag gttgaaaaag gtgagttaca aatgaatgag attgaggttt 60
tagatgatat gctaaactta gttctctcca ttttctcaaa cacaaaactt acttatgata 120
tgttagttga taacgtagcc tttgaggact tattaccatt agtacaggga gtctttgaac 180
aagtcaacgg gggtacagtt tcaaaggaga aataacagga cttgaggaaa aaacc 235

<210> 380
<211> 235
<212> DNA
<213> Artificial Sequence

<400> 380
tttttacgcc tcctgtaatt ttgtcaaaga agccagtacc ttttttgtat gcaaacttag 60
gacgtttatg acctaacact tgtgcagttt cttctgctgt taaaacgagg gttccttttc 120
gtccccacat cgttacgttc ttacctttag ggataaccgc ttgaccactt gggtcaataa 180
ccatttcagc accacgtcca tcattgacag tcatgggacc atctaccggg tgacc 235

<210> 381
<211> 235
<212> DNA
<213> Artificial Sequence

<400> 381
tccgtgtttt cttgacaatt tagaaaactc atccaattgc tctaacttgg agacaacaag 60
catgccacta tatacgtaag ttgtgaagtg ttcccttaca atatttgtaa gttctgacac 120

cctaatacag atggcgtctc tcagtcccaa attaaatgcc acagtttctt ctagtaaaat 180
attcatggtg acctctcctc tttacccctc atgtctctca ttaacaacat aatca   235

<210>   382
<211>   235
<212>   DNA
<213>   Artificial Sequence

<400>   382
caaacattaa tggaggacta ctagaatgaa taaaccaagt ttaggactat atgttattat 60
tgctttgttg tttggaggca ttggcttaca ccgtatgtat gagggaacac ttggctcagg 120
tttcttggtc ctattcttat tttggacggg tgtaccagtg gttatttcat ggattgacat 180
tattacagca ctaacaacgc gcagacactt attttcatag gaggaatagt atggg   235

<210>   383
<211>   234
<212>   DNA
<213>   Artificial Sequence

<400>   383
tctgtggacg cggaacgtgc taaagcatta gaggaagacg tggacaaatt agaaaaagga 60
gaggctagaa gtatggaaaa tgtaaagaaa atcaacccta cagaaaccgt tgctgaagct 120
gaggttcgtg cgttcggtga atatgtacgc tcacacggtt ctgtaaaagc acctgagtta 180
cgggatatta aattagaggg cgttgaggca attgttccgg ttgaccgcat tact   234

<210>   384
<211>   234
<212>   DNA
<213>   Artificial Sequence

<400>   384
tactaaatta tcatttgggt attggagtgt gaacctctct tttccaccac tactccatgc 60
gtaagctgtg tgtaaaaatg gattttgacc atcctgtacg tttgcaatac tcaatggctt 120
tgactctcat gccatgtttt ttacctcctc taataatcta cagaacaata atatgtatat 180
acatttgatt gtcctgcatt tactgtgatt gtttttcctg ttgctgtcca tgat   234

<210>   385
<211>   234
<212>   DNA
<213>   Artificial Sequence

<400>   385
caattggata aaaggactgc ctaagaaact aggggacgga attaaaggag gcgctcactt 60
cctaaaagac gcattcaaag gtatgtttaa cggagccttg aaagtaattg aaaaaccagt 120
gaacggactt attggcggtg caaactgggt tttagaaaaa ctaggcatgg acaagttaaa 180
aacatgggag gcacctgaat acgccaaagg tacaccaagt ggcggtcacc ctgt   234

<210>   386
<211>   234
<212>   DNA
<213>   Artificial Sequence

<400>   386
atgcttgttt atcaaggttg aacatggcac aaataaacgc tttagcaagg aacccatcaa 60
cacaaccata gaagcgtagc tcagtggcgt ctacgtcttt ccaacactaa gcaacctctt 120
tgcgtagttc ctcatctgtt agtttaccgc cttgttcaaa gtcaacatcc gtctctttga 180
cttctaaccc catgaaaccc tcatgttctt tcagtgaaaa ccctttgtgt tcat   234

<210>   387
<211>   234
<212>   DNA
<213>   Artificial Sequence

<400>   387
tttctgtagg gttgattttc tttacatttt ccatacttct agcctctcct ttttctaatt 60

tgtccacgtc ttcctctaat gctttagcac gttccgcgtc cacagagtta tctttatttt 120
cttctggttc aacctcgtct gcctcatcat ccttaggttg ttcatcctta ggttgctcgt 180
cagggttaac ctcgtctgtt tgttcgtctt gtgcctcacg aatttccttg atta 234

<210> 388
<211> 234
<212> DNA
<213> Artificial Sequence

<400> 388
gtaatgcggt caaccggaac aattgcctca acgccctcta atttaatatc ccgtaactca 60
ggtgctttta cagaaccgtg tgagcgtaca tattcaccga acgcacgaac ctcagcttca 120
gcaacgtgtt ctgtagggtt gattttcttt acattttcca tacttctagc ctctcctttt 180
tctaatttgt ccacgtcttc ctctaatgct ttagcacgtt ccgcgtccac agat 234

<210> 389
<211> 234
<212> DNA
<213> Artificial Sequence

<400> 389
cacgtttgaa acaaccaaac gtcaaacggg tcaaaagatt attaaaaaca accaatggta 60
ttatgtaact aagaactcag gtaagaaaat acctgcctca ggatgggtca gtggatatta 120
cctacaacac actaaacgtg tggaacacaa gaagaaagag acctactcta ttgttgcaaa 180
aatgcaggtg acagattcaa gattcacatg gatgggaaca ggtaaatcta aaga 234

<210> 390
<211> 234
<212> DNA
<213> Artificial Sequence

<400> 390
acactaaacg tgtggaacac aagaagaaag agacctactc tattgttgca aaaatgcagg 60
tgacagattc aagattcaca tggatgggaa caggtaaatc taaagacagt aaaaacccat 120
ttaaagcagg ggacaagatt gtcataaaca cacatgataa aaccttcttt gtaaatggtg 180
tagaacgtga ggacctagca accataggaa atcagtggga aggcttcgca cttg 234

<210> 391
<211> 234
<212> DNA
<213> Artificial Sequence

<400> 391
cattgagtat tgcaaacgta caggatggtc aaaatccatt tttacacaca gcttacgcat 60
ggagtagtga tggaaaagag aggttcacac tccaataccc aaatgataat ttagtattga 120
attatgagtt ctcgaaagac cccactatta atggttggac aggaaatggt gcgactatag 180
aatattcaaa cgggaacatg cgagtgttgt ttaacgactc atcaactaac agaa 234

<210> 392
<211> 234
<212> DNA
<213> Artificial Sequence

<400> 392
acagggtgac cgccacttgg tgtacctttg gcgtattcag gtgcctccca tgtttttaac 60
ttgtccatgc ctagtttttc taaaacccag tttgcaccgc caataattcc gttcactggt 120
ttttcaagta ctttcaaggc tccgttaaac atacctttga atgcgtcttt taggaagtga 180
gcgcctcctt taattccgtc ccctagtttc ttaggcagtc cttttatcca attg 234

<210> 393
<211> 234
<212> DNA
<213> Artificial Sequence

<400> 393

ttattggcgg tgcaaactgg gttttagaaa aactaggcat ggacaagtta aaaacatggg 60
aggcacctga atacgccaaa ggtacaccaa gtggcggtca ccctgtcgat ggtcccatga 120
ctgtcaatga tggacgtggt gctgaaatgg ttattgaccc aagtggtcaa gcggttatcc 180
ctaaaggtaa gaacgtaacg atgtggggac gaaaaggaac ccacgtttta acag 234

<210> 394
<211> 234
<212> DNA
<213> Artificial Sequence

<400> 394
atcatggaca gcaacaggaa aaacaatcac agtaaatgca ggacaatcaa atgtatatac 60
atattattgt tctgtagatt attagaggag gtaaaaaaca tggcattaga gtcaaagcca 120
ttgagtagtg caaacgtaca ggatggtcaa aatccatttt tacacacagc ttacgcatgg 180
agtagtgatg gaaaagagag gttcacactc caatacccaa atgataattt agta 234

<210> 395
<211> 234
<212> DNA
<213> Artificial Sequence

<400> 395
caattggata aaaggactgc ctaagaaact aggggacgga attaaaggag gcgctcactt 60
cctaaaagac gcattcaaag gtatgtttaa cggagccttg aaagtacttg aaaaaccagt 120
gaacggactt attggcggtg caaactgggt tttagaaaaa ctaggcatgg acaagttaaa 180
aacatgggag gcacctgaat acgccaaagg tacaccaagt ggcggtcacc ctgt 234

<210> 396
<211> 234
<212> DNA
<213> Artificial Sequence

<400> 396
atgaacacaa agggttttca ctgaaagaac atgagggttt catggggtta gaagtcaaag 60
agacggatgt tgactttgaa caaggcggta aactaacaga tgaggaccta cgcaaagagg 120
ttgcttagtg ttggaaagac gtagacgcca ctgagctacg cttctatggt tgtgttgatg 180
ggttacttgc taaagcgttt atttgtgcca tgttcaacct tgataaacaa gcat 234

<210> 397
<211> 234
<212> DNA
<213> Artificial Sequence

<400> 397
tactaaatta tcatttgggt attggagtgt gaacctctct tttccatcac tactccatgc 60
gtaagctgtg tgtaaaaatg gattttgacc atcctgtacg tttgcactac tcaatggctt 120
tgactctcat gccatgtttt ttacctcctc taataatcta cagaacaata atatgtatat 180
acatttgatt gtcctgcatt tactgtgatt gtttttcctg ttgctgtcca tgat 234

<210> 398
<211> 233
<212> DNA
<213> Artificial Sequence

<400> 398
cactgggaac gaacaactta gacctgtata aatgggcgtg taaattgtac atgacaacct 60
ttttcagtga acctcttgac gagagtgagt ttgaattaac agtaatgagt atttggaaac 120
gtgaaaatgg tagatgatta tttgacacct gttattaatg aaagcaatga gacccgtacc 180
attaccatct gcatggtcaa cggacgctct tacacatata agggttcccc aga 233

<210> 399
<211> 233
<212> DNA
<213> Artificial Sequence

<400> 399
tcctatagac atttgtcagt tcgccaaaat acagagttcg ccactaaata cttgtcagag 60
ggtggtacga gtattcattt acaccagagt ggtagttatt actcatatga gaacctcaag 120
gcgcagactg ggctagacga aagacatgat aaggagttta tacaatactg caaagaaaga 180
ggttatgatt atgtataagt acgtagtacg ctacaaagac tttgatggtt cat 233

<210> 400
<211> 233
<212> DNA
<213> Artificial Sequence

<400> 400
attgacccat atatagcgga tatgcgttcg cgaaatcttc agatgggttt ggggtgtaga 60
tggttgccgt gtttcctagt tcgattttta tttttgttat agttataatt aaagcatttg 120
aattaccatg tatactaaaa gcattagttg cccctgcggt tataccctca aatttatacg 180
ttgaaggtgt gtcaccttgt tttattgttt gccatgtact gagagcgtca aaa 233

<210> 401
<211> 233
<212> DNA
<213> Artificial Sequence

<400> 401
ggggtaagac cgtatggaca aattcacgta cacagtacgg ggaattcatc atctacagcg 60
caaaacgagg cagactatca tatgcgcaga cccgtcaaca gtgggttctt ctcgcacgta 120
gtaggtaccg ggcgagtaat tcaaacagca cgcacaaacg cgggctttta tgacgtaggt 180
ggcggatgga actcgtgggg atatgcggca attgaattga ttgaatcgca caa 233

<210> 402
<211> 233
<212> DNA
<213> Artificial Sequence

<400> 402
aaaacaaaat gagtaaagta tttgaggata attttactaa acccctacca gtggggacga 60
aggtgcgctt gattaaacct gaaccaactg aatttttttat gaatgtgggt tacgagcgtg 120
acagggaata cgttggagag gtgttcagag tagctcatag cgctgaagaa attgacggac 180
aaacgcacca acttgaacta agtattgatg gtcacctatg gtgggtatat gat 233

<210> 403
<211> 233
<212> DNA
<213> Artificial Sequence

<400> 403
gttagttaaa gttaaagaaa tggcgcagtt gggtaattat ctaatttata gacgacataa 60
cggagatagt gcctgtctta ctatcatgga cttcacacac aacccccttgg cgggaacacg 120
tgagataagt tgtgaagatg gtgcacttga cttacttaat aatgttgtac ctgctattaa 180
aaccacgtca cctcaatcgt ttcaatacta ctggaacatt gtcatgagag aca 233

<210> 404
<211> 233
<212> DNA
<213> Artificial Sequence

<400> 404
acggttcaca ggacaatagt atacagtatt ggggaatctt tgacgcagta acggctacac 60
caacagcagg agccactaaa ttaactaaaa cagcagtgtc aacaatacgt cctgcatacc 120
tatcaaaggg ctacagtgct ttgcgcggta caacgtacac tgtatcaggg agtgtattca 180
tctctaaggg gtggactggt agtctagcaa caacagaatt aattgtgcgt gtt 233

<210> 405
<211> 233
<212> DNA
<213> Artificial Sequence

<400> 405
cactgggaac gaacaactta gacctgtata aatgggcgtg taaattgtac atgacaacct 60
gtttcagtga acctcttgac gagagtgagt ttgaattaac agtaaggagt atttggaaac 120
gtgaaaaagg tagatgatta tatgacacct gttattaatg aaagcaatga gacccgtacc 180
attaccatct gcatggtcaa cggacgctct tacacatata agggttcccc aga   233

<210> 406
<211> 233
<212> DNA
<213> Artificial Sequence

<400> 406
aacacgcaca attaattctg ttgttgctag actaccagtc caccccttag agatgaatac 60
actccctgat acagtgtacg ttgtaccgcg caaagcactg tagccatttg ataggtatgc 120
aggacgtctt gttgacactg ctgttttagt taatttagtg gctcctgctg ttggtgtagc 180
cgttactgcg tcaaagattc cccaatactg tatactattg tcctgtgaac cgt   233

<210> 407
<211> 233
<212> DNA
<213> Artificial Sequence

<400> 407
attgagtatt gcaaaggtac aggatggtca aaatccattt ttacacacag cttacgcatg 60
gagtagtgat ggaaaagaga ggttcacact ccaataccca aatgataatt tagtattgaa 120
ttatgatgtc tcgaaagacc ccactattaa tggttggaca ggaaatggtg cgactataga 180
atattcaaac gggaacatgc gagtgttgtt taacgactca tcaactaaca gaa   233

<210> 408
<211> 233
<212> DNA
<213> Artificial Sequence

<400> 408
gatgtcacta agtccatcac tagcgttctc cattgattta agagctttac ttgataattt 60
agcctgtgac tctaatttag atagggagat tctagcctcc tcaacgtctt tagagttttc 120
accgaactcc tgagaactca tttcaatagc gcgcttttgt gcctcaatag ctttctcagt 180
taaggagatt gaacgtttta gaccctcctg tttagcctca agtgcgcccg ctg   233

<210> 409
<211> 233
<212> DNA
<213> Artificial Sequence

<400> 409
gttagttaaa gttaaagaaa tggcgcagtt gggtaattat ctaatttata gacgacataa 60
cggagatagt gcctgtctta ctatcatgga cttcacacac aacccattgg cgggaacacg 120
tgagatacgt tgtgaagatg gtgcacttga cttacttaat aatgttgtac ctgctattaa 180
aaccacgtca cctcaatcgt ttcaatacta ctggaacatt gtcatgagag aca   233

<210> 410
<211> 233
<212> DNA
<213> Artificial Sequence

<400> 410
ccgactgtta gacccgcaaa agtgcccact aatgaggtga ccgcaccgat taccgcgcca 60
ccttttagag acattacacc atctaatagt ccacctaccc catctgtagc ctcgtctgct 120
ccaccttgga tgtcactaag tccatcacta gcgttctcca ttgatttaag agctttactt 180
gataatttag cctgtgactc taatttagat agggagattc tagcctcctc aac   233

<210> 411
<211> 233
<212> DNA

<213> Artificial Sequence

<400> 411
tcctatagac atttgtcagt tcgccaaaat acagagttcg ccactaaata cttgtcagag 60
ggtggtacga gtattcattt acaccagagt ggtagttatt actcagatga gaacctcaag 120
gcgcagaatg ggctagacga aagacatgat aaggagttta tacaatactg caaagaaaga 180
ggttatgatt atgtataagt acgtagtacg ctacaaagac tttgatggtt cat   233

<210> 412
<211> 233
<212> DNA
<213> Artificial Sequence

<400> 412
gttagttaaa gttaaagaaa tggcgcagtt gggtaattat ctaatttata gacgacataa 60
cggagatagt gcctgtctta ctatcatgga cttcacacac aacccccttgg cgggaacacg 120
tgagatacgt tgtgaagatg gtgcacttga cttacttaat aatgttgtac ctgctattaa 180
aaccacgtca cctcaatcgt ttcaatacta ctggaacatt gtcatgagag aca   233

<210> 413
<211> 233
<212> DNA
<213> Artificial Sequence

<400> 413
tcctatagac atttgtcagt tcgccaaaat acagagttcg ccactaaata cttgtcagag 60
ggtggtacga gtattcattt acaccagagt ggtagttatt actcagatga gaacctcaag 120
gcgcagactg ggctagacga aagacatgat aaggagttta tacaatactg caaagaaaga 180
ggttatgatt atgtataagt acgtagtacg ctacaaagac tttgatggtt cat   233

<210> 414
<211> 233
<212> DNA
<213> Artificial Sequence

<400> 414
atcatatacc caccataggt gaccatcaat acttagttca agttggtgcg tttgtccgtc 60
aatttcttca gcgctatgag ctactctgaa cacctctcca acgtagtccc tgtcacgctc 120
gtaacccaca ttcataaaaa attcagttgg ttcaggttta atcaagcgca ccttcgtccc 180
cactggtagg ggtttagtaa aattatcctc aaatacttta ctcattttgt ttt   233

<210> 415
<211> 233
<212> DNA
<213> Artificial Sequence

<400> 415
cactgggaac gaacaactta gacctgtata aatgggcgtg taaattgtac atgacaacct 60
gtttcagtga acctcttgac gagagtgagt ttgaattaac agtaaggagt atttggaaac 120
gtgaaaatgg tagatgatta tatgacacct gttattaatg aaagcaatga gacccgtacc 180
attaccatct gcatggtcaa cggacgctct tacacatata agggttcccc aga   233

<210> 416
<211> 233
<212> DNA
<213> Artificial Sequence

<400> 416
aacacgcaca attaattctg ttgttgctag actaccagtc cacccttag agatgaatac 60
actccctgat acagtgtacg ttgtaccgcg caaagcactg tagcccttg ataggtatgc 120
aggacgtctt gttgacactg ctgttttagt taatttagtg gctcctgctg ttggtgtagc 180
cgttactgcg tcaaagattc cccaatactg tatactattg tcctgtgaac cgt   233

<210> 417
<211> 232

<212>   DNA
<213>   Artificial Sequence

<400>   417
aggctatccg ccagagtgtg tgaattggtt tgtcaatagt agtatagaag aacatgtaat 60
ttgtaaatgt gcagatggtg gctcatttag ttttaagtgt ccagagcgtt tgtttgatta 120
tgcaaaatcc tatatgaaag agtatcataa tgtagagttg cattatgata ctaagtcaga 180
agatattttt gttataagaa atgatatgtt cctatgggaa taatgtctaa ta   232

<210>   418
<211>   232
<212>   DNA
<213>   Artificial Sequence

<400>   418
tcgtaactac aggtaacatt tatgagttaa ctacagcaat acgagcatta ggtggtacac 60
cagaggggtc aaacaacccc attacattaa gtgggttctc gtgggttgac ccagatgggc 120
gttttaatct tgagaagggg gttatgattg acacgcaaga agctcctaaa tggtccagtg 180
tcttatcaac aacaggaggt ttgttcacac gtgctgtaac gtatgacacc ct   232

<210>   419
<211>   232
<212>   DNA
<213>   Artificial Sequence

<400>   419
tcccatacta ttcctcctat gaaaataagt gtctgcgcgt tgttagtgct gtaataatgt 60
caatccatga aataaccact ggtacacccg tccaaaataa gaataggaac aagaaacctg 120
agccaagatt tccctcatac atacggtgta agccaatgcc tccaaacaac aaagcaataa 180
taacatatag tcctaaactt ggtttattca ttctagtagt cctccattaa tg   232

<210>   420
<211>   232
<212>   DNA
<213>   Artificial Sequence

<400>   420
tttagatttc tttctaacag cctgtagttg tgtcttaatc atgcggaaac aaatagacgc 60
ttggtctttt gtattggctg tagaatatat ttgacgggac gccagtggcg aacgttcgta 120
aagaagttca tataatgcaa tacccgcgat taataatgat ttaccgttct tacgactcat 180
ggagattacc actttagtaa atcgcctgta ccctgagtcc tttttaaccc at   232

<210>   421
<211>   232
<212>   DNA
<213>   Artificial Sequence

<400>   421
atttcaaaac tagacgctgg catgctagtc atttattgta atacttacgc tatttacagt 60
caggcaactc aagaggtatc tgaatacggt tatcttgacg aaaatgggaa accatcaggc 120
gcctttaagg ttatgaatga aacatctaaa caactaaagt ctctagcaag ttcattagga 180
ctttcaattg atggacgtat gaaattaatt atcccaagca tgaaaacgaa ag   232

<210>   422
<211>   232
<212>   DNA
<213>   Artificial Sequence

<400>   422
tttccctcat acatacggtg taagccaatg cctccaaaca acaaagcaat aataacatat 60
agtcctaaac ttggtttatt cattctagta gtcctccatt aatgattgta tgaaatcgtt 120
taactcgtcc acgtagtcgt atagagaatc aaggtcatca attaatttat catttttctc 180
aatgagttca tcaacttcct tatctaaaaa ttcaacctga ccacgtaggt ta   232

<210>   423

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

<400> 423
ccggttgagc catctacagg aatatagttc actgtatagg ctactgatgt tgtaccatca 60
gtgtactccc acgttgtacg tgtccatagg tatttacctt tttcgagagt tgggatggtt 120
gtactccatc ctgatgtagg ttcatcaacg cttgaggtat tgattgccca ctctgtttta 180
gttgatttga cagaggcgcc attttgtccc gttgttctca tccacgtgta ct   232

<210> 424
<211> 232
<212> DNA
<213> Artificial Sequence

<400> 424
tgtgtaagag cgtccgttga ccatgcagat ggtaatggta cgggtctcat tgctttcatt 60
aataacaggt gtcatataat catctacctt tttcacgttt ccaactactc attactgtta 120
attcaaactc actctcgtca agaggttcac tgaaacaggt tgtcatgtac aatttacacg 180
cccatttata caggtctaag ttgttcgttc ccagtgctaa cattcctgct gt   232

<210> 425
<211> 232
<212> DNA
<213> Artificial Sequence

<400> 425
taatattcaa cactaacaat gtagtacggt tgtattacta cattcacggg cacagagctt 60
agtagcataa tctgaaaaac ctctcctgtt tgcatacgtt caataacaaa ctctggggaa 120
cccttatctg tgtaagagcg tccgttgacc atgcagatgg taatggtacg ggtctcattg 180
ctttcattaa taacaggtgt catataatca tctacctttt tcacgtttcc aa   232

<210> 426
<211> 232
<212> DNA
<213> Artificial Sequence

<400> 426
ccggttgagc catctacagg aatatagttc actgtatagg ctactgatgt tgtaccatca 60
gtgtactccc acgttgtacg tgtccatagg tagttacctt tttctagagt tgggatggtt 120
gtactccctc ctgatgtagg ttcatcaacg cttgaggtat tgattgcccc ctctgtttta 180
gttgatttga cagaggcgcc attttgtccc gttgttctca tccacgtgta ct   232

<210> 427
<211> 232
<212> DNA
<213> Artificial Sequence

<400> 427
tgttatacta gctcatacgc aacatcaagg ttacctaaat catttttagc aatcttaaca 60
ataacaaact catcctcaac ttcatcctgt tccccatcca cgcgaatagt cactttcttt 120
tctatttctt gctcctgtaa acgcattccc tcagcgcgta ctttctcata ttgctgtact 180
gcctccatta ggtctaaacc gttgtttgca tatacagcta gaatagaggt tc   232

<210> 428
<211> 232
<212> DNA
<213> Artificial Sequence

<400> 428
tgcctcacgt ccaatgagta actcctcctt acctacaggc ggttctactg tacctgtaac 60
aataacaggt gtcacttttg cttttcgcca tttattaatc gttacagtaa tcatttattt 120
ttcctccata ttagacatta ttcccatagg aacatatcat ttcttataac aaaaatatct 180
tctgacttag tatcataatg caactctaca ttatgatact ctttcatata gg   232

<210>   429
<211>   232
<212>   DNA
<213>   Artificial Sequence

<400>   429
ttttgtaact ggtttaattc cgttgtttga ttggatatgc tcaaagttcc aagtgaactt 60
cttacccgtt tggtcacgtg tcattgtaca gcggaaccaa gatgttttgt acttagttac 120
gtctgtcttg atagatttta gtaacttgtt accgtaccag tattcaacaa tcacttcatt 180
gccttttgcg tcagagtcac ggatggctat agacattaat atgtcattag cg   232

<210>   430
<211>   232
<212>   DNA
<213>   Artificial Sequence

<400>   430
ccggttgagc catctacagg aatatagttc actgtatagg ctactgatgt tgtaccatca 60
gtgtactccc acgttgtacg tgtccatagg tatttacctt tttcgagagt tgggatggtt 120
gtactccctc ctgatgtagg ttcatcaacg cttgaggtat tgattgccca ctctgtttta 180
gttgatttga cagaggcgcc attttgtccc gttgttctca tccacgtgta ct   232

<210>   431
<211>   232
<212>   DNA
<213>   Artificial Sequence

<400>   431
ctttcgtttt catgcttggg ataattaatt tcatacgtcc atcaattgaa agtcctaatg 60
aacttgctag agactttagt tgtttagatg tttcattcat aaccataaag gcgcctgatg 120
gtttcccatt ttcgtcaaga taaccgtatt cagatacctc ttgagttgcc tgactgtaaa 180
tagcgtaagt attacaataa atgactagca tgccagcgtc tagttttgaa at   232

<210>   432
<211>   231
<212>   DNA
<213>   Artificial Sequence

<400>   432
tcctcctcat ctaacatact aagttcttcg cgtaagaact tgacaacccc ttctaatagc 60
tcaattgttt cctctttgtt taggttctca ccttcccccct ctagtgctcc cgttgcctta 120
cctgtgttca tgtctacagc caaaataagt aaatcagtat gaatgttcat tatttttcct 180
cctcaaattt aattagcgta tctaaataca cacgtgcctt ttcaaggtca g   231

<210>   433
<211>   231
<212>   DNA
<213>   Artificial Sequence

<400>   433
ctaattaaat ttgaggagga aaaataatga acattcatac tgatttactt attttggctg 60
tagacatgaa cacaggtaag gcaacgggag caatagaggg ggaaggtgag aacctaaaca 120
aagaggacac aattgagcta ttagaagggg ttgtcaagtt cttacgcgaa gaacttagta 180
tgttagatga ggaggaaaac gaagatgaat aactatgagt tattagtaga a   231

<210>   434
<211>   231
<212>   DNA
<213>   Artificial Sequence

<400>   434
ctaattaaat ttgaggagga aaaataatga acattcatac tgatttactt attttggctg 60
tagacatgaa cacaggtaag gcaacgggag caatagaggg ggacggtgag aacctaaaca 120
aagaggaaac aattgagcta ttagaagggg ttgtcaagtt cttacgcgaa gaacttagta 180
tgttagatga ggaggaaaac gaagatgaat aactatgagt tattagtaga a   231

<210>   435
<211>   231
<212>   DNA
<213>   Artificial Sequence

<400>   435
tggtttaggt ttgttgtcag tattggaact atttccacca aacccatttt taatgtcttt 60
agcaaactgc tctttactaa ttccccattt acgcaagtat ggataggggt caatatggtc 120
agaaccagtg tttggttgat gtgccgttgc atatgcgtga gaaatgacac ctgtattccc 180
ttggtctagc gtcttaggta gtcccgcttc atcacataat agacgaatta a   231

<210>   436
<211>   231
<212>   DNA
<213>   Artificial Sequence

<400>   436
taaatctgtg gacgcggaac gtgctaaagc attagaggaa gacgtggaca aattagaaaa 60
aggagaggct agaagtatgg aaaatgtaaa gaaaatcaac cctccagaaa acgttgctga 120
agctgaggtt cgtgcgttcg gtgaatatgt acgctcacac ggttctgtaa aagcacctga 180
gttacgggat attaaattag agggcgttga ggcaattgtt ccggttgacc g   231

<210>   437
<211>   231
<212>   DNA
<213>   Artificial Sequence

<400>   437
aaattggtca tgagattgag cttttagata gagaaaaatg tatacacttt tatagagacg 60
gacgttattt tgctacaatt gacaaaaaag gttttagtgg tggttatcac cttaaacaaa 120
cactaaagta gggtaggaat taaaatgaac acatataccg tttattaccg taacattgat 180
gagcactatt gctgtagtat tcacgttgac gcatatacta ttgaacaagc t   231

<210>   438
<211>   231
<212>   DNA
<213>   Artificial Sequence

<400>   438
gttactaagc tacagattgt cagccctcat acaattacaa tcttacaaga cacagcgagt 60
aaagaattgt catatgagta cattgaccct gacaatcaaa agacagaaac catcaagggt 120
aaagacatgt tacattttag actgaactca attgacggca tttcaggacg ctcaccacta 180
aaagcgctag tacctgaaat agatatgcaa acaagcggaa cacgtttgtt a   231

<210>   439
<211>   231
<212>   DNA
<213>   Artificial Sequence

<400>   439
tgtttggttg atgtgccgtt gcatatgcgt gagaaatgac acctgtattc ccttggtcta 60
gcgtcttagg tagtcccgct tcatcacata atagacgaat taagtctact agtagcttat 120
agtctttcat aaactcttct ttggttttgt gcgattcaat caattcaatt gccgcatatc 180
cccacgagtt ccatccgcca cctacgtcat aaaagcccgc gtttgtgcgt g   231

<210>   440
<211>   231
<212>   DNA
<213>   Artificial Sequence

<400>   440
tactatgacc gttttgaacg tgactatgtt aatgagggaa ttgaatatag tttgaaagat 60
aaacatggtg ctaccttgag tgtcgctagg ttatataaag ataaaacagt gattaaaatt 120
actgatttta cgaatgatgt agtaagcgta cacttaacag acgcacaact tagagacttg 180

agaaaaattt tgaaagaagt ttaaaaatag tgttgacaga tgactaatcg t 231

<210> 441
<211> 231
<212> DNA
<213> Artificial Sequence

<400> 441
gctttattga ttgtgttcaa cccaatacgt gttaagtggc gagcaatcaa cgcaactaag 60
tcagggtcag agtcttgaat tgcttcgtta gacattggaa tatatccgcg gtgtgtttct 120
accttccctt ctacattttt gaatgttggt tctgccaatt tagggttttc tactaactca 180
gctactgtgt tcattaccgc gttagttgtt tccaaaatag ggtaagaacc t 231

<210> 442
<211> 231
<212> DNA
<213> Artificial Sequence

<400> 442
taggggagga atttaaatga acacatatac agtttattac cgtaacattg atgagcacta 60
ttgctgtagt attcacgttg acgcatatac tattgaacaa gctcttaata aagggttaca 120
gtaccttgaa tatgaagaac atttagacta ctcagaaatt gagatttgtc acgttgagaa 180
agtggggtaa atgaaatgac accagaaaac gttgaaaaag agtacggtgt g 231

<210> 443
<211> 231
<212> DNA
<213> Artificial Sequence

<400> 443
aaattaatca aggaaattcg tgaggcacaa gacgaacaaa cagacgaggt taaccctgac 60
gagcaaccta aggatgaaca acctaaggat gatgaggcag acgaggttga accagaagaa 120
aataaagcta aatctgtgga cgcggaacgt gctaaagcat tagaggaaga cgtggacaaa 180
ttagaaaaag gagaggctag aagtatggaa aatgtaaaga aaatcaaccc t 231

<210> 444
<211> 231
<212> DNA
<213> Artificial Sequence

<400> 444
aggtaggtca cagagtagta tgtgtagaca ctttatgtgt agaagatata ttggaaaaag 60
gtaaacgata taccattgtt ggagtaggca gccttttcgt gcaggttgat ggtattgatg 120
aatggttcta ctatgaccgt tttgaacgtg actatgttaa tgagggaatt gaatatagtt 180
tgaaagataa acatggtgct accttgagtg tcgctaggtt atataaagat a 231

<210> 445
<211> 231
<212> DNA
<213> Artificial Sequence

<400> 445
ctaattaaat ttgaggagga aaaataatga acattcatac tgatttactt attttggctg 60
tagacatgaa cacaggtaag gcaacgggag caatagaggg ggacggtgag aacctaaaca 120
aagaggacac aattgagcta ttagaagggg ttgtcaagtt cttacgcgaa gaacttagta 180
tgttagatga ggaggaaaac gaagatgaat aactatgagt tattagtaga a 231

<210> 446
<211> 231
<212> DNA
<213> Artificial Sequence

<400> 446
gctttattga ttgtgttcaa cccaatacgt gttaagtggc gagcaatcaa cgcaactaag 60
tcagggtcag agtcttgaat tgcttcgtta gacattggaa tatctccgcg gtgtgtttct 120

accttccctt ctacattttt gaatgttggt tctgccaatt tagggttttc tactaactca 180
gctactgtgt tcattaccgc gttagttgtt tccaaaatag ggtaagaacc t   231

<210>   447
<211>   231
<212>   DNA
<213>   Artificial Sequence

<400>   447
gttactaagc tacagattgt cagccctcat acaattacaa tcttacaaga cacagcgagt 60
aaagaattgt catatgagta cattgaccct gacaatcaaa agaaagaaac catcaagggt 120
aaagacaagt tacattttag actgaactca attgacggca tttcaggacg ctcaccacta 180
aaagcgctag tacctgaaat agatatgcaa acaagcggaa cacgtttgtt a   231

<210>   448
<211>   231
<212>   DNA
<213>   Artificial Sequence

<400>   448
gttactaagc tacagattgt cagccctcat acaattacaa tcttacaaga cacagcgagt 60
aaagaattgt catatgagta cattgaccct gacaatcaaa agacagaaac catcaagggt 120
aaagacaagt tacattttag actgaactca attgacggca tttcaggacg ctcaccacta 180
aaagcgctag tacctgaaat agatatgcaa acaagcggaa cacgtttgtt a   231

<210>   449
<211>   230
<212>   DNA
<213>   Artificial Sequence

<400>   449
tgtacgtgtc cataggtatt tacctttttc tagagttggg atggttgtac tccatcctga 60
tgtaggttca tcaacgcttg aggtattgat tgcccactct gtgttagttg atttgacaga 120
ggcgccattt tgtcccgttg ttctcatcca cgtgtactta cttgggtccg tgctaggttc 180
ttgagtatag ttactatatt gacccatata tagcggatat gcgttcgcga   230

<210>   450
<211>   230
<212>   DNA
<213>   Artificial Sequence

<400>   450
aggtacgaaa ttgccaactg gtttcaccgt caatagtggg cacgtatcac agtacccaaa 60
tacgtctaac gaccctgcta gaccaaacct ctacatgggt tcatgggact acagcccttc 120
tgaggcgatt aaacctaagt gggctacaac attcgcacca aacgcatggt caggaccttc 180
ccttacaacg cctgtcaaag caccatcaac aggtttacga acaggagcct   230

<210>   451
<211>   230
<212>   DNA
<213>   Artificial Sequence

<400>   451
agtctattat agcaatgact tattaaccaa ctacttgcca gcaggagtta aatattccgt 60
cacaatagac gcattcagca acaataatgg gttaattagg gtcggtaatt ttgacgctct 120
cagtacatgg caaacaataa aacaaggtga cacaccttca acgtataaat ttgagggtat 180
aaccgcaggg gcaactaatg cttttagtat acagggtaat tcaaatgctt   230

<210>   452
<211>   230
<212>   DNA
<213>   Artificial Sequence

<400>   452
gacccgctac agtattcaag tcatctacgt ggtgttgctt agggttcgtg catattgcct 60

taatacgcga acgtttaccc tcattgtaca tatagtccct caggtcctct tttaccattt 120
tacgcgttat tctacttcta tcatctgtgt tgtatctgtt tgctagaaga ataccgtccg 180
tgaagagttt caattcaaca aggtcaccct cattacccgt gtgctcaaat   230

<210>   453
<211>   230
<212>   DNA
<213>   Artificial Sequence

<400>   453
gacccgctac agtattcaag tcatctacgt ggtgttgctt agggttcgtg catattgcct 60
taatacgcga acgtttaccc tcattgtaca tatagtccct catgtcctct tttaccattt 120
tacgcgtgat tctacttcta tcatctgtgt tgtatctgtt tgctagaaga ataccgtccg 180
tgaagagttt caattcaaca aggtcaccct cattacccgt gtgctcaaat   230

<210>   454
<211>   230
<212>   DNA
<213>   Artificial Sequence

<400>   454
tctcatagag gttggtttca ctgttgaacg taacagcgta accctcaaca atcatgtcct 60
cattttcctc aagtgctcta atctcaatgc tacgcgtctc cgatttcatc attagtagcc 120
tccttatttt gattgtttgt ttcacgtgaa acattaatac gtgagcctgt cattctagaa 180
aactgactct cgtctgtttc aggataacca tagtaggcgc gtacctcgtt   230

<210>   455
<211>   230
<212>   DNA
<213>   Artificial Sequence

<400>   455
cggagacgcg tagcattgag attagagcac ttgaggaaaa tgaggacatg attgttgagg 60
gttacgctgt tacgttcaac agtgaaacca acctctatga gaccgtatat gaacaaatta 120
gttcaaatgc ttttaatggg gttgacttct cagacgtccg cgcattttat gaccatcaat 180
caggtaactt attaggacga acaaagacag gtaccctaca attaaacaca   230

<210>   456
<211>   230
<212>   DNA
<213>   Artificial Sequence

<400>   456
ttaaacctaa gtgggctaca acatacgcac caaacgcaag gtcaggacct tcccttacaa 60
cgcctgtcaa agcaccatca acagatttac gaacaggagc ctataaattt gaggaacgga 120
tagacttcgg tactacgtca gaaaagaacg gacgttatga gttggtaatt ttgacagacg 180
ctaatgtcat attaatgtct aaagccatcc gtgactctga cgcaaaaggc   230

<210>   457
<211>   230
<212>   DNA
<213>   Artificial Sequence

<400>   457
agacctaatg actactgtgg cattcagtga gtaccttgat aaaacaggta agaaaattga 60
tttgttactc ctagaggcta actatgacgg tgctgtaatt ggttatagtg aatatatgaa 120
aattcactgc ggttatgata cgtataataa tggttcctat agacatttgt cagttcgcca 180
aaatacagag ttcgccacta aatacttgtc agagggtggt acgagtattc   230

<210>   458
<211>   230
<212>   DNA
<213>   Artificial Sequence

<400>   458

ttgaggggtc tgctattagt gactcacgtg gatatgtata cgcctctggt gtgaagtctg 60
agacgttgac gcttgagaaa ttccaagact ttgtagcaaa cacaacaacg ccagttggac 120
agtaaagagg ggtaataccc ctctttttt gtgcgctata tgatataata ttaatagaac 180
ataacatatt aggaggaatt ataatgatta aattagaact aaaagtaaaa   230

<210>   459
<211>   230
<212>   DNA
<213>   Artificial Sequence

<400>   459
gcggttatga tacgtataat aatggttcct atagacattt gtcagttcgc caaaatacag 60
agttcgccac taaatacttg tcagagggtg gtacgagtat tcttttacac cagagtggta 120
gttattactc atatgagaac ctcaaggcgc agaatgggct agacgaaaga catgataagg 180
agtttataca atactgcaaa gaaagaggtt atgattatgt ataagtacgt   230

<210>   460
<211>   230
<212>   DNA
<213>   Artificial Sequence

<400>   460
aatttagtat tgaattatga tttctcgaaa gaccccacta ttaatggttg gacaggaaat 60
ggtgcgacta tagaatattc aaacgggaac atgcgagtgt tgtttaacga ctcatcaact 120
aacagaatag tctattatag caatgactta ttaaccaact acttgccagc aggagttaaa 180
tattccgtca caatagacgc attcagcaac aataatgggt taattagggt   230

<210>   461
<211>   230
<212>   DNA
<213>   Artificial Sequence

<400>   461
accctaatta acccattatt gttgctgaat gcgtctattg tgacggaata tttaactcct 60
gctggcaagt agttggttaa taagtcattg ctataataga ctcttctgtt agttgatgag 120
tcgttaatca acactcgcat gttcccgttt gaatattcta tagtcgcacc atttcctgtc 180
caaccattaa tagtggggtc tttcgagaaa tcatatttca atactaaatt   230

<210>   462
<211>   230
<212>   DNA
<213>   Artificial Sequence

<400>   462
tgtacgtgtc cataggtatt tacctttttc tagagttggg atggttgtac tccatcctga 60
tgtaggttca tcaacgcttg aggtattgat tgcccactct gtgttagttg atttgacaga 120
ggcgccagtt tgtcccgttg ttctcatcca cgtgtactta cttgggtccg tgctaggttc 180
ttgagtatag ttactatatt gacccatata tagcggatat gcgttcgcga   230

<210>   463
<211>   230
<212>   DNA
<213>   Artificial Sequence

<400>   463
atttgagcac acgggtaatg agggtgacct tgttgaattg aaactcttca cggacggtat 60
tcttctagca aacagataca acacagatga tagaagtaga atcacgcgta aaatggtaaa 120
agaggacctg agggactata tgtacaatga gggtaaacgt tcgcgtatta aggcaatatg 180
cacgaaccct aagcaacacc acgtagatga cttgaatact gtagcgggtc   230

<210>   464
<211>   229
<212>   DNA
<213>   Artificial Sequence

<400> 464
agcaatagtg ctcatcaatg ttacggtaat aaactgtata tgtgttcatt taaattcctc 60
ccctaattta gtgtttgttt aaggtgataa ccacaactaa atccttttt gtcaattgta 120
tcataataac gtccgtctct ataaaagtgt atacattttt ctctatctaa aagctcaatc 180
tcatgaccaa tttctttgta gaatgctact cgtttcattc catattcat   229

<210> 465
<211> 229
<212> DNA
<213> Artificial Sequence

<400> 465
tccctcgtag aagtcagcca taattaattg cccaatcacc cctgttagaa aatgacaacg 60
tgggtcatat aacccattaa actctgcacc tgtggcacca accaatgtat taataggcaa 120
ttttacccca attactaaca catacattgg taacgttact tcgttcattg taatctctgt 180
ttcatctgta tatttagcct ctagacgttt ctctaagagt tctttcact   229

<210> 466
<211> 229
<212> DNA
<213> Artificial Sequence

<400> 466
atgaatatgg aatgaaacga gtagcattct acaaagaaat tggtcatgag attgagcttt 60
tagatagaga aaaatgtata cacttttata gagacggacg tgattatgct acaattgaca 120
aaaaaggttt tagtggtggt tatcacctta aacaaacact aaattagggg aggaatttaa 180
atgaacacat atacagttta ttaccgtaac attgatgagc actattgct   229

<210> 467
<211> 229
<212> DNA
<213> Artificial Sequence

<400> 467
tttttaatct ctctcacgtc ctctaaacgt gcgtcaatac gctccatggt taattgcatt 60
ttgataaagt tgtcctcatt cattggcatt cgttcccgct cctaactttg attgtatgct 120
agtctatgta tcatttttact catgtagtca acttggttct gtaacgtgtc tactgcgtta 180
tcttgagtgc tatatccgtt tagttcataa atgaggtcgt ccatggcta   229

<210> 468
<211> 229
<212> DNA
<213> Artificial Sequence

<400> 468
ggggataatt atgttagagc aatttaaaac ggagtatatt aacaaggtat taaacggtaa 60
tgggtttgat gatgagttaa atatgctgtt taacagagtt ctagaggagg agttccatgg 120
caacgcgata gccatggacg acctcattta tgaactaaac ggatatagca ctcaagataa 180
cgcagtagac acgttacaga accaagttga ctacatgagt aaaatgata   229

<210> 469
<211> 229
<212> DNA
<213> Artificial Sequence

<400> 469
tgaggaacta cgcaaagagg ttgcttattg ttggaaagac gtagacgcca ctgagctacg 60
cttctatggt tgtgttgatg ggttacttgc taaagcgttt aattgtgcca tgttcaacct 120
tgataaacaa gcatttaacc aaacaaacgc taatttagta gctcaattaa tgggtgccaa 180
ccgtcctaat agtgtacgtg atgaccttac tgaaccattt acattacct   229

<210> 470
<211> 229
<212> DNA
<213> Artificial Sequence

<400> 470
taacattgtt gacaaagtca ccaactaaac caattacaat ttttagtagt ggactaataa 60
aattaaggaa gttcatgaac gcttccatga tttgtttacc agactgatta tagaactcgc 120
ttacctgttt gaaaatgcta ccgaacgcac taaaaatcgt gtctagtatg ggttttaata 180
atggataaac cttttcaaac atgatggcgc ccatattcca taataactc   229

<210> 471
<211> 229
<212> DNA
<213> Artificial Sequence

<400> 471
agtgaacgga attattggcg gtgcaaactg ggttttagaa aaactaggca tggacaagtt 60
aaaaacatgg gaggcacctg aatacgccaa aggtacacca agtggcggtc accctgtaga 120
tggtcccctg actgtcaatg atggacgtgg tgctgaaatg gttattgacc caagtggtca 180
agcggttatc cctaaaggta agaacgtaac gatgtgggga cgaaaagga   229

<210> 472
<211> 229
<212> DNA
<213> Artificial Sequence

<400> 472
gaaagacccc actattaatg gttggacagg aaatggtgcg actatagaat attcaaacgg 60
gaacatgcga gtgttgttta acgactcatc aacttacaga agagtctatt atagcaatga 120
cttattatcc aactacttgc cagcaggagt taaatattcc gtcacaatag acgcattcag 180
caacaataat gggttaatta gggtaggtaa ttttgacgct ctcagtaca   229

<210> 473
<211> 229
<212> DNA
<213> Artificial Sequence

<400> 473
actcctattc taggttgtga cctgtaccat gaacacaaag ggttttcact gaaagaacat 60
gagggtttca tggggttaga agtcaaagag acggatgttg actttgaaca aggcggtaaa 120
ctaacagctg aggaactacg caaagaggtt gcttattgtt ggaaagacgt agacgccact 180
gagctacgct tctatggttg tgttgatggg ttacttgcta aagcgttta   229

<210> 474
<211> 229
<212> DNA
<213> Artificial Sequence

<400> 474
tgtactgaga gcgtcaaaat ttcctaccct aattaaccca ttattgttgc tgaatgcgta 60
tattgtgacg gaatatttaa ctcctgctgg caagtagttg gttaataagt cattgctata 120
atagactatt ctgttagttg atgagtcgtt aaacaacact cgcatgttcc cgtttgaata 180
ttctatagtc gcaccatttc ctgtccaacc aataatagtg gggtctttc   229

<210> 475
<211> 229
<212> DNA
<213> Artificial Sequence

<400> 475
taacattgtt gacaaagtca ccaactaaac caattacaat ttttagtagt ggactaataa 60
aattaaggaa gttcatgaac gcttccatga tttgtttacc agactgatta tagaactcgc 120
ttacctgatt gaaaatgcta ccgaacgcac taaaaatcgt gtctagtatg ggttttaata 180
atggataaac cttttcaaac atgatggcgc ccatattcca taataactc   229

<210> 476
<211> 229
<212> DNA

<213> Artificial Sequence

<400> 476
atgaatatgg aatgaaacga gtagcattct acaaagaaat tggtcatgag attgagcttt 60
tagatagaga aaaatgtata cacttttata gagacggacg tgattatgct acaattgaca 120
aaaaaggatt tagtggtggt tatcacctta aacaaacact aaattagggg aggaatttaa 180
atgaacacat atacagttta ttaccgtaac attgatgagc actattgct   229

<210> 477
<211> 228
<212> DNA
<213> Artificial Sequence

<400> 477
ctagaccaaa cctctacatg ggttcatggg actacagccc ttctgaggcg tttaaaccta 60
agtgggctac aacattcgca ccaaacgcat ggtcaggacc gtcccttaca acgcctgtca 120
aagcaccatc aacaggttta cgaacaggag cctttaaatt tgaggaacgg atagacttcg 180
gtactacgtc agaaaagaac ggacgttatg agttggttat tttgacag   228

<210> 478
<211> 228
<212> DNA
<213> Artificial Sequence

<400> 478
ccaatgagac gcctgaaact ccgtgagaca cgcacaggta gggaggctgt ttcttactta 60
atgaattgga aacctgattt tacacgttgg gaggacattg agccactatc agtggtgagg 120
gtagacagtg agttaaaaga tgggttctat aatttaggta agcctgaaat tgcaggcaag 180
gttgatgaag ttccaccgcg tcccaataaa ccaagcggga aacaatat   228

<210> 479
<211> 228
<212> DNA
<213> Artificial Sequence

<400> 479
gacgatgtat taggataaag ggaggaaaac aaaatgagta aagtatttga ggataatttt 60
actaaacccc taccagtggg gacgaaggtg cgcttgatta aacctgaacc aactgaattt 120
tttatgactg agggttacga gcgtgacagg gaatacgttg gagaggtgtt cagagtagct 180
catagcgctg aagaaattga cggacaaacg caccaacttg aactaagt   228

<210> 480
<211> 228
<212> DNA
<213> Artificial Sequence

<400> 480
gacgtctcta cctaattggg tatttggtaa ttgtagacgg aactttaaac cgctgtcgtc 60
tgtgtttaat tgtagggtac ctgtctttgt tcgtcctaat cagttacctg attgatggtc 120
ataaaatgcg cggacgtctg agaagtcaac cccattaaaa gcatttgaac taatttgttc 180
atatacgttc tcatagaggt tggtttcact gttgaacgta acagcgta   228

<210> 481
<211> 228
<212> DNA
<213> Artificial Sequence

<400> 481
tgctttatta gtaacacact tgattctgaa ccgcttacag gtgtgtttct agcctgtatt 60
agtgcttcac ctctaattgc attgtgtatg tggcttgatg ataaatagaa tattctcatt 120
aaactctcat ggtttttaa ttgactatta gagtttaatt gtttatacta ggttcataag 180
gttgagggtt aagcctacgg ggtgaacgag taccaaccaa taaagaca   228

<210> 482
<211> 228

<212> DNA
<213> Artificial Sequence

<400> 482
ggtcataaca aataccttgt acgtctaaat tgtttgtctc aataaacgcc aaaacccaat 60
ttaacatatc ctcccaatca cactgaccgt caggacggga agaaatttca caataccccc 120
gtttggacta ttgtctatag ggtgttctat cgttagcctc tttctgaaca ataccaccac 180
ccgttgttgc tacccacgcg tgagagtcaa caataaacaa ttcttttt   228

<210> 483
<211> 228
<212> DNA
<213> Artificial Sequence

<400> 483
gacgatgtat taggataaag ggaggaaaac aaaatgagta aagtatttga ggataatttt 60
actaaacccc taccagtggg gacgaaggtg cgcttgatta cacctgaacc aactgaattt 120
tttatgaatg agggttacga gcgtgacagg gaatacgttg gagaggtgtt cagagtagct 180
catagcgctg aagaaattga cggacaaacg caccaacttg aactaagt   228

<210> 484
<211> 228
<212> DNA
<213> Artificial Sequence

<400> 484
acagatggag caggactcat taaaatgtca gatgaccatg agataatcaa ctatgaaaca 60
gatgacatta tagagttcac aggggtatta cattttgatg aatcacaaga gcagttagtt 120
aaagttatag aaatggcgca gttgggtaat tatctaattt atagacgaca taacggagat 180
agtgcctgtc ttactatcat ggacttcaca cacaacccat tggcggga   228

<210> 485
<211> 228
<212> DNA
<213> Artificial Sequence

<400> 485
attaggacga acaaagacag gtaccctaca attaaacaca gacgacagcg gtttaaagtt 60
ccgtctacaa ttaccaaata cccaattagg tagagacgtc gatgagttag taaaacgcgg 120
tgacctatca cagtgttcgt ttgggtttat ggttaaaagt gatacgtggt catacaacgc 180
aaacacagac acatatcacc gcacaattga ccaaattggt agattggt   228

<210> 486
<211> 228
<212> DNA
<213> Artificial Sequence

<400> 486
tataaattat aacacgaaaa agacaaccct agttgggttg cctcgttcgt ttattacagt 60
ccaaaaccaa aatcaccgct tgcgtaacgt tctgaccagt gtatttcctc gaactcataa 120
aagtatgctt cactgtacgc gtttataagc gcgtcaagag ggtcaatctt gttgcggtta 180
acttgtttat caatcataat taaatcgttt gactcttttg taaatgcg   228

<210> 487
<211> 228
<212> DNA
<213> Artificial Sequence

<400> 487
tgagttaaaa gatgggttct ataatttagg taagcctgaa attgcaggca aggttgatga 60
agttccaccg cgtcccaata aaccaagcgg gaaacaatat gtagtaattt atgatattga 120
ggtatttgag caagattttg tcatttgtgc taaagatttg tttagtggta aacgttggga 180
aattgtcaat gacctagaca aggcgcgtaa atggtattta gaagtacg   228

<210> 488

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

<400> 488
atggtttttt aattgactat tagagtttaa ttgtttatac taggttcata aggttgaggg 60
ttaagcctac tgggtgaact agtaccaacc aataaagaca cgggatggtt aattatgatt 120
aaggtgatga attgggagta tgaatatgga atgaaacgag tagcattcta caaagaaatt 180
ggacatgtga ttgatctgtt agagagagaa aaatgtatac acttttat   228

<210> 489
<211> 228
<212> DNA
<213> Artificial Sequence

<400> 489
ctagaccaaa cctctacatg ggttcatggg actacagccc ttctgaggcg tttaaaccta 60
agtgggctac aacattcgca ccaaacgcat ggtcaggacc ttcccttaca acgcctgtca 120
aagcaccctc aacaggttta cgaacaggag cctttaaatt tgaggaacgg atagacttcg 180
gtactacgtc agaaaagaac ggacgttatg agttggttat tttgacag   228

<210> 490
<211> 228
<212> DNA
<213> Artificial Sequence

<400> 490
ccgtgactct gacgcaaaag gcaatgaagt gattgttgaa tactggtacg gtaacaagtt 60
actaaaatct atcaagacag acgtaactaa gtacaaatca acttggttcc gctgtacaat 120
gacacgtgac caaacgggta agaagttcac ttggaacttt gagcatatcc aatcaaacaa 180
cggaattaaa ccagttacaa aaaacccatt tacctacaat gcacctgt   228

<210> 491
<211> 228
<212> DNA
<213> Artificial Sequence

<400> 491
actggtcaga acgttacgca agcggtgatt ttggttttgg actgtaataa acgaacgagg 60
caacccaact agggttgtct ttttcgtgtt ataatttata tagaagttat aattggagga 120
ggttcaccat ggaacgaatt atatatttac ctatgattat gtatatacta gcgtgtgttt 180
ttatggctat tggtgccttt ttggtagata taaccgtagg ttttatgg   228

<210> 492
<211> 228
<212> DNA
<213> Artificial Sequence

<400> 492
tgatttgtac ttagttacgt ctgtcttgat agattttagt aacttgttac cgtaccagta 60
ttcaacaatc acttcattgc cttttgcgtc agagtcacgg ttggctatag acattaatat 120
gtcattagcg tctgtcaaaa taaccaactc ataacgtccg ttcttttctg acgtagtacc 180
gaagtctatc cgttcctcaa atttaaaggc tcctgttcgt aaacctgt   228

<210> 493
<211> 228
<212> DNA
<213> Artificial Sequence

<400> 493
aaaaagaatt gtttattgtt gactctcacg cgtgggtagc aacaacgggt ggtggtattg 60
ttcagaaaga ggctaacgat agaacaccct atagacaata gtccaaacag gggtattgtg 120
aaatttcgtc ccgtcctgac ggtcagtgtg attgggagga tatgttaaat tgggttttgg 180
cgtttattga gacaaacaat ttagacgtac aaggtatttg ttatgacc   228

<210> 494
<211> 228
<212> DNA
<213> Artificial Sequence

<400> 494
gcgcaagagt ttaaaagtgg tgatagtgat aataaagtag gtacgttctt aggtaaagtt 60
ggggacaagg tatacgaact tgtcaaaggt aaccctcaat gtaaagaggg atatttcaac 120
gatagaacga acgataagta cagatacctt ggtgaatgtg cgtattttca aaacggtgcg 180
ctaaacatgc gtacattaga actacgtccg tttgaaccat gggactat   228

<210> 495
<211> 228
<212> DNA
<213> Artificial Sequence

<400> 495
ctgtcaaaat aaccaactca taacgtccgt tcttttctga cgtagtaccg aagtctatcc 60
gttcctcaaa tttaaaggct cctgttcgta aacctgttga gggtgctttg acaggcgttg 120
taagggacgg tcctgaccat gcgtttggtg cgaatgttgt agcccactta ggtttaaacg 180
cctcagaagg gctgtagtcc catgaaccca tgtagaggtt tggtctag   228

<210> 496
<211> 228
<212> DNA
<213> Artificial Sequence

<400> 496
gacgatgtat taggataaag ggaggaaaac aaaatgagta aagtatttga ggataatttt 60
actaaacccc taccagtggg gacgaaggtg cgcttgatta cacctgaacc aactgaattt 120
tttatgactg agggttacga gcgtgacagg gaatacgttg gagaggtgtt cagagtagct 180
catagcgctg aagaaattga cggacaaacg caccaacttg aactaagt   228

<210> 497
<211> 227
<212> DNA
<213> Artificial Sequence

<400> 497
tggtactttt attacagggc aatcactaga cgagattgaa catttaaaaa attctgacat 60
ttacacagca acaaacatta tcagtggcga tattgctaaa tgtttgatta gagagcgacc 120
ggatggactt gtaagtaaac ctcagattgt aaatatcttg cgtagtaaac cagatacaaa 180
cctaacgtcc tacggttggt tgtatgctat taccatgtat acccttt   227

<210> 498
<211> 227
<212> DNA
<213> Artificial Sequence

<400> 498
gctttattga ttgtgttcaa cccaatacgt gttaagtggc gagcaatcaa cgcaactaag 60
tcagggtcag agtcttgaat tgcttcgtta gacattggaa tatctccgcg gtgtgtttct 120
accttccatt ctacattttt gaatgttggt tctgccaatt tagggttttc tactaactca 180
gctactgtgt tcattaccgc gttagttgtt tccaaaatag ggtaaga   227

<210> 499
<211> 227
<212> DNA
<213> Artificial Sequence

<400> 499
gtgacgtttg ggactacgca actaacccaa gcaaattagt tgaaaaagta ttctctagcg 60
tagtagacac ctcaggtctc ataaaatatc ctctagacgg tgcccgtgga atgattaaga 120
aagctactag cgctcttacg tcacgtgtta ctgaggcgtt tgagagcggg agcctagata 180
cgtctgtagg tacagcgggt gtgtataaat accttactaa tgtagcg   227

<210>   500
<211>   227
<212>   DNA
<213>   Artificial Sequence

<400>   500
aaagggtata catggtaata gcatacaacc aaccgtagga cgttaggttt gtatctggtt 60
tactacgcaa gatatttaca atctgaggtt tacttacaat tccatccggt cgctctctaa 120
tcaaacagtt agcaatatcg ccactgataa tgtttgttgc tgtgtaaatg tcagaatttt 180
ttaaatgttc aatctcgtct agtgattgcc ctgtaataaa agtacca   227

<210>   501
<211>   227
<212>   DNA
<213>   Artificial Sequence

<400>   501
ttacttcgtt tgtatggcgt agatatgacg cctcaaacgt attagacaca tcatggacag 60
caacaggaaa aacaatcaca gtaaatgcag gacaatcaac tgtatataca tattattgtt 120
ctgtagatta ttagaggagg taaaaaacat ggcattagag tcaaagccat tgagtattgc 180
aaacgtacag gatggtcaaa atccattttt acacacagct tacgcat   227

<210>   502
<211>   227
<212>   DNA
<213>   Artificial Sequence

<400>   502
ttgattgtcc tgcatttact gtgattgttt ttcctgttgc tgtccatgat gtgtctatta 60
cgtttgaggc gtcatatcta cgccatacaa tcgaagttat attatctgta atgtcttcct 120
tgcctttgac aactttagct gttatactga ttgtaccctc accatttaca aaaaactgtt 180
tagacggtgt aataattacc tcagacggaa tactgttgtc aaactgt   227

<210>   503
<211>   227
<212>   DNA
<213>   Artificial Sequence

<400>   503
taccaaccaa caagcctaca aatacgtttt ttacaacgcg tgagagaaca aggcgtcata 60
ggtctcatac taaaggatga actacaggag ttagaaacta tttttcactt gatagacacg 120
ggacacaata gcacgtataa attgccaaaa ttaccagaga ttaaaacata tgacttattt 180
gaggaggatg aatagaatgg aactaacatt acatgatttt gagtata   227

<210>   504
<211>   227
<212>   DNA
<213>   Artificial Sequence

<400>   504
gtgacgtttg ggactacgca actaacccaa gcaaattagt tgaaaaagta ttctctagcg 60
tagtagacac ctcaggtctc ataaaatatc ctctagacgt tgcccgtgga atgattaaga 120
aagctacgag cgctcttacg tcacgtgtta ctgaggcgtt tgagagcggg agcctagata 180
cgtctgtagg tacagcgggt gtgtataaat accttactaa tgtagcg   227

<210>   505
<211>   227
<212>   DNA
<213>   Artificial Sequence

<400>   505
acattaggta aaataagaaa catgaataaa ggggtcttat gtggggaaca aaacaaatta 60
ttagtagtag actgtgacgt aaaaggtaaa gcaaacggac tacactcttt tactacctta 120
atgaaagact taggacatga aaccatacct aacaccctaa tggtctatac accgtcagga 180

ggcatacact attattttac gttaccagat gacgcactag acctacg 227

<210> 506
<211> 227
<212> DNA
<213> Artificial Sequence

<400> 506
tgctacaggt gcattgtagg taaatgggtt ttttgtaact ggtttaattc cgttgtttga 60
ttggatatgc tcaaagttcc aagtgaactt cttacccgtg tggtcacgtg tcattgtaca 120
gcggaaccaa gatgatttgt acttagttac gtctgtcttg atagatttta gtaacttgtt 180
accgtaccag tattcaacaa tcacttcatt gccttttgcg tcagagt 227

<210> 507
<211> 227
<212> DNA
<213> Artificial Sequence

<400> 507
tagcacgtat aaattgccaa aattaccaga gattaaaaca tatgacttat ttgaggagga 60
tgaatagaat ggaactaaca ttacatgatt ttgagtatac cgaggatatg attgacgtat 120
atgatttaga tgatacgtta gtgttttata ctagtgagaa aatagggagt agtacagtca 180
atacacagat tagattagac aagaaggcac aaatggaatt atacaag 227

<210> 508
<211> 227
<212> DNA
<213> Artificial Sequence

<400> 508
cctgcacgaa tgtgtaggac ttccttagat ttcattgtcc atgttacctt atccactacc 60
tcccttgtgg ctactgagtc tttatacttg agtagccatc tagatgtttt aacaacggaa 120
gctttgtgtg ctacaggtgc attgtaggta aatgggtttt ttgtaactgg tttaattccg 180
ttgtttgatt ggatatgctc aaagttccaa gtgaacttct tacccgt 227

<210> 509
<211> 227
<212> DNA
<213> Artificial Sequence

<400> 509
gctttcattg acaacctacc agaccccaaa agcggtaaga gggtaggact agcagacttt 60
cagaagttca ttattggtat gatattttca tgggttaaaa aggactcagg gtacaggcga 120
tttactatag tggtaatctc catgagtcgt aagaacggta aatcattatt aatcgcgggt 180
attgcattat atgaacttct ttacgaacgt tcgccaatgg cgtcccg 227

<210> 510
<211> 227
<212> DNA
<213> Artificial Sequence

<400> 510
cacgtgagat aagttgtgaa gatggtgcac ttgacttact taataatgtt gtacctgcta 60
ttaaaaccac gtcacctcaa tcgtttcaat actactggac cattgtcatg agagacacgg 120
gctttacatt gggcgcaaac tactttagta atcagacacg tactttaaac tatgataatg 180
agacaacagc agtggagcgt ctaaggagta ttatttcaga ctttgga 227

<210> 511
<211> 227
<212> DNA
<213> Artificial Sequence

<400> 511
cgggacgcca ttggcgaacg ttcgtaaaga agttcatata atgcaatacc cgcgattaat 60
aatgatttac cgttcttacg actcatggag attaccactt tagtaaatcg cctgtaccct 120

gagtcctatt taacccatga aaatatcata ccaataatga acttctgaaa gtctgctagt 180
cctaccctct taccgctttt ggggtctggt aggttgtcaa tgaaagc   227

<210>   512
<211>   227
<212>   DNA
<213>   Artificial Sequence

<400>   512
agaagatata ttggaaaaag gtaaacgata taccattgtt ggagtaggca gccttttcgt 60
gcaggttgat ggtattgatg aatggttcta ctatgaccgg tttgaacgtg actatgttaa 120
tgagggaatt gaatatagtt tgaaagataa acatggtgct accttgagtg tcgctaggtt 180
atataaagat aaaacagtga ttaaaattac tgattttacg aatgatg   227

<210>   513
<211>   227
<212>   DNA
<213>   Artificial Sequence

<400>   513
agtctattat agcaatgact tattaaccaa ctacttgcca gcaggagtta aatattccgt 60
cacaatagac gcattcagca acaataatgg gttaattagt gtaggtaatt ttgacgctct 120
cagtacatgg caaacaataa aacaaggtga cacaccttca acgtataaat ttgagggtat 180
aaccgcaggg gcaactaatg cttttagtat acagggtaat tcaaatg   227

<210>   514
<211>   227
<212>   DNA
<213>   Artificial Sequence

<400>   514
ttatttttga ctgagttaca ttcacattgg ctaaatgtgg gtgcatggtt ttgaacatat 60
caaacgtaag ccacgtagga gcctcatagc cctctctaat tcgttcaaag gtaacttgta 120
cctcatccca tttagaacac ctctgagcgt ctctatacgc ctttatttga acatccaaag 180
cgtcctcacc ctcttttagt attcctctga gatgttttat cttatcc   227

<210>   515
<211>   227
<212>   DNA
<213>   Artificial Sequence

<400>   515
gctttcattg acaacctacc agaccccaaa agcggtaaga gggtaggact agcagacttt 60
cagaagttca ttattggtat gatattttca tgggttaaat aggactcagg gtacaggcga 120
tttactatag tggtaatctc catgagtcgt aagaacggta aatcattatt aatcgcgggt 180
attgcattat atgaacttct ttacgaacgt tcgccaatgg cgtcccg   227

<210>   516
<211>   227
<212>   DNA
<213>   Artificial Sequence

<400>   516
atcaatcata attaaatcga ttgactcttt tgtaaatgcg ttgtacacgg ctcttgtcaa 60
tagagggttg ttaaagtgaa ggaccttgcc cgctcgtata tccacttgta attgtttagt 120
aggtgggatt aatcgcatat aagactgacg tacatcaaag agtacgtcct catacccgtc 180
tgctagtctt gtggtaatta attgagactg tgcagggtca taacaaa   227

<210>   517
<211>   227
<212>   DNA
<213>   Artificial Sequence

<400>   517
caaggttacc taaatcattt ttagcaatct taacaataac aaactcatcc tcaacttcat 60

cctgttcccc atccacgcgt atagtcactt tcttttctag ttcttgctcc tgtaaacgca 120
ttccctccgc gcgtactttc tcatattgct gtactgcctc cattaggtct aaaccgttgt 180
ttgcatatac agctagaata gaggttcgtt ggttgcgtat agggtac   227

<210>   518
<211>   227
<212>   DNA
<213>   Artificial Sequence

<400>   518
agaagatata ttggaaaaag gtaaacgata taccattgtt ggagtaggca gccttttcgt 60
gcaggttgat ggtattgatg aatggttcta ctatgaccgg tttgaacgtg actatgttaa 120
tgagggactt gaatatagtt tgaaagataa acatggtgct accttgagtg tcgctaggtt 180
atataaagat aaaacagtga ttaaaattac tgattttacg aatgatg   227

<210>   519
<211>   227
<212>   DNA
<213>   Artificial Sequence

<400>   519
gtgacgtttg ggactacgca actaacccaa gcaaattagt tgaaaaagta ttctctagcg 60
tagtagacac ctcaggtctc ataaaatatc ctctagacgg tgcccgtgga atgattaaga 120
aagctacgag cgctcttacg tcacgtgtta ctgaggcgtt tgagagcggg agcctagata 180
cgtctgtagg tacagcgggt gtgtataaat accttactaa tgtagcg   227

<210>   520
<211>   227
<212>   DNA
<213>   Artificial Sequence

<400>   520
aaagggtata catggtaata gcatacaacc aaccgtagga cgttaggttt gtatctggtt 60
tactacgcaa gatatttaca atctgaggtt tacttacaag tccatccggt cgctctctaa 120
tcaaacagtt agcaatatcg ccactgataa tgtttgttgc tgtgtaaatg tcagaatttt 180
ttaaatgttc aatctcgtct agtgattgcc ctgtaataaa agtacca   227

<210>   521
<211>   226
<212>   DNA
<213>   Artificial Sequence

<400>   521
taccacgctt tgagttgcct gtagtcactg tcaaatcgtt caaagaatga ggtaagggac 60
tcatttattt ttgactgagt tacattcaca ttggctaaat gtgggtgcat ggttttgaac 120
atatcaatcg taagccacgt aggagcctca tagccctctc tacatcgttc aaaggtaact 180
tgtacctcat cccatttaga acacctctga gcgtctctat acgcct   226

<210>   522
<211>   226
<212>   DNA
<213>   Artificial Sequence

<400>   522
taaggagttt atacaatact gcaaagaaag aggttatgat tatgtataag tacgtagtac 60
gctacaaaga ctttgatggt tcatacgtgt attttactgc attttcctca aggtcaccga 120
tttatgagga ggaaagagga cgcacaaggt ttagacagat tgtcactgat aaaccgcgtc 180
taaaaatgga cataacaacc gctaaaatgg ttagggacct aactgg   226

<210>   523
<211>   226
<212>   DNA
<213>   Artificial Sequence

<400>   523

ttaacttaat gattagtaca acctcacaaa acctaaacgg acactatcat atggaggaat 60
atccaatgac tatgaaagta ttaacaggtg aggtagaggc tgaacactac ttagctctat 120
ggtgggacat ggatagtttt gacgaggcgg atgacgagga aaactggttt aaatctaacc 180
ctctttttga aaaacctgac gttcgcacac atatgttaga acacaa   226

<210>   524
<211>   226
<212>   DNA
<213>   Artificial Sequence

<400>   524
cgcggatatt atcaagtggg taattcagac ggtcagaacc tacaatatac aagaataggc 60
aataacacgc ttacttttga tggacacttg attacagaac actcaggact ttctattagt 120
gagacaatag atttactagt tgcacaagta atgagtaggg aacctatgaa actagtgttt 180
gacgcattac ctgatagata ttttaacgta gtgtttgagg gcacgc   226

<210>   525
<211>   226
<212>   DNA
<213>   Artificial Sequence

<400>   525
cccgcaagca ttgtactaaa tgcctcatct gctgtatatc ccatttgtgc ccaaatagga 60
gcatactccg ctaagttatc cgctagttcg tcagatttat taagtccgtt ttgtgcgcct 120
aacgtcagta ggtcaaacgc ttgcttacta tctagacccc acgagttcat aatggcgccc 180
gcaccgcgta gggtttcatt tacgtctgta tcaaacatct ttgaaa   226

<210>   526
<211>   226
<212>   DNA
<213>   Artificial Sequence

<400>   526
tcctcgaact cataaaagta tgcttcactg tacgcgttta taagcgcgtc aagagggtca 60
atcttgttgc ggttaacttg tttatcaatc ataattaact cgtttgactc ttttgtaaat 120
gcgttgtaca cggctcttgt caatagaggg ttgttaaagt gaaggacctt gcccgctcgt 180
atatccactt gtaattgttt agtaggtggg tttaatcgca tataag   226

<210>   527
<211>   226
<212>   DNA
<213>   Artificial Sequence

<400>   527
tatactacta ttgacaaacc aattcacaca ctctggcgga tagcctagca caattccaag 60
tgcataatct tctccgtgtt ttcttgacaa tttagaaaac tcatccaatt gctctaactt 120
ggagacacca agcatgccac tatatacgta agttgtgaag tgttccctta caatatttgt 180
aagttctgac accctaataa agatggcgtc tctcagtccc aaatta   226

<210>   528
<211>   226
<212>   DNA
<213>   Artificial Sequence

<400>   528
tgtacgcctt ttcccactcg tctacagaaa tgtatgacgt tgcttggtcc gcaacccaaa 60
aattaagctc cttagttagg aagttggtga gattacctttt agcctctccc tctgtctttt 120
tagcccggtt gtgttctatc atatgtgtgc gaacgtcagg tttttcaaaa agagggttag 180
atttaaacca ttttttcgtcg tcatcagcct cgtcaaaact atccat   226

<210>   529
<211>   226
<212>   DNA
<213>   Artificial Sequence

<400> 529
acctcctcca attataactt ctttataaat tataacacga aaaagacaac cctagttggg 60
ttgcctcgtt cgtttattac agtccaaaac caaaatcacc gcttgcgtaa cgttctgacc 120
agtttatgtc ctcgaactca taaaagtatg cttcactgta cgcgtttata agcgcgtcaa 180
gagggtcaat cttgttgcgg ttaacttgtt tatcaatcat aattaa 226

<210> 530
<211> 226
<212> DNA
<213> Artificial Sequence

<400> 530
ggtaatgtca tcaagtagtt tatcatattg cgcaaactca atagatggta catcacctac 60
gtaaatcatc aactcgttat ccaataatta caccgtcctc atttactgct acaacctcac 120
catatccccc agttaggtcc ctaaccattt tagcggttgt tatgtccatt tttagacgcg 180
gtttatcagt gacaatctgt ctaaaccttg tgcgtcctct ttcctc 226

<210> 531
<211> 226
<212> DNA
<213> Artificial Sequence

<400> 531
tttctactaa ctcagctact gtgttcatta ccgcgttagt tgtttccaaa atagggtaag 60
aacctgacgt tgtgctaact gttactacgt tgatatagat ttgtaggtct acgattgtct 120
caggtaatgt tacaggttga gtaatgcggt caaccggaac aattgcctca acgccctcta 180
atttaatatc ccgtaactca ggtgctttta cagaaccgtg tgagcg 226

<210> 532
<211> 226
<212> DNA
<213> Artificial Sequence

<400> 532
gagccaacct cactatgatt tagattatgt gtttcccatt tgtctatgac catttgctgt 60
tgttccgttg gtattaacat tatattacct cctccacaat agtctatcat gaaaccatgt 120
agggttgttg tgttgggtag taggttatat tttgttatta ttgtacacat tcaaaaaccg 180
tgtacacttt ttgtacaaac ctgttttacg ccttgtgtat caatgt 226

<210> 533
<211> 226
<212> DNA
<213> Artificial Sequence

<400> 533
taggtcaaac gcttgcttac tatctagacc ccacgagttc ataatggcgc ccgcaccgcg 60
tagggtttca tttacgtctg tatcaaacat ctttgaaatc gataccgcgt aacgtgtaag 120
gttctgtagg tcctcaccga atacagggat agggctgttt tgctcaaccc tactcatagc 180
gtcaaccatt tcctcaaggc tacccaaacc ctcagcaact agttcg 226

<210> 534
<211> 226
<212> DNA
<213> Artificial Sequence

<400> 534
caacatagac aacgaacgca agcgggttaa aaaagaaatt ttacgaccct atgacgagct 60
agaggataag ataaaacatc tcagaggaat actaaaagag ggtgaggacg ctttggatgt 120
tcaaatacag gcgtatagag acgctcagag gtgttctaaa tgggatgagg tacaagttac 180
ctttgaacga tttagagagg gctatgaggc tcctacgtgg cttacg 226

<210> 535
<211> 226
<212> DNA
<213> Artificial Sequence

<400> 535
tagcatgttt gtagatgtac tttgtgtgtt tctaaatggg tcacttaaaa tagagtgtgc 60
cacaccctca gggcatgaaa atgttaacgt caacggtgta atgtctaaat tagttgcgtc 120
atactctagc gtgccctcaa acactacgtt aaaatatcta tcaggtaatg cgtcaaacac 180
tagtttcata ggttccctac tcattacttg tgcaactagt aaatct   226

<210> 536
<211> 226
<212> DNA
<213> Artificial Sequence

<400> 536
tgtttgctac aaagtcttgg aatttctcaa gcgtcaacgt ctcagacttc acaccagagg 60
cgtatacata tccacgtgag tcactaatag cagacccctc aaaagtatca gtattagggt 120
cagtgcctcc accctctgag gtattcaacg caacgtcagg gtgagcaaag cgaactttag 180
tcagtcccat atatacctca ttaccatctg cgtcatctga tacaca   226

<210> 537
<211> 226
<212> DNA
<213> Artificial Sequence

<400> 537
ctatatcaac gtagtaacag ttagcacaac gtcaggttct taccctattt tggaaacaac 60
taacgcggta atgaacacag tagctgagtt agtagaaatc cctaaattgg cagaaccaac 120
attcaaaaat gtagaatgga aggtagaaac acaccgcgga tatattccaa tgtctaacga 180
agcaattcaa gactctgacc ctgacttagt tgcgttgatt gctcgc   226

<210> 538
<211> 226
<212> DNA
<213> Artificial Sequence

<400> 538
atggatagtt ttgacgaggc ggatgacgag gaaaactggt ttaaatctaa ccctcttttt 60
gaaaaacctg acgttcgcac acatatgtta gaacacaaac gggctaaaaa gacagaggga 120
gaggctacag gtaatctcac caacttccta actaaggagc ttaatttttg ggttgcggac 180
caagcaacgt catacatttc tgtagacgag tgggaaaagg cgtaca   226

<210> 539
<211> 226
<212> DNA
<213> Artificial Sequence

<400> 539
caagcatgcc actatatacg taagtagtga agtgttccct tacaatattt gtaagttctg 60
acaccctaat aaagatggcg tctctcagtc ccaaattata tgccacagtt tcttctagta 120
aaatattcat ggtgacctct cctctttacc cctcatgtct ctcattaaca acataatcaa 180
agtcacttgc aaatagcgga atcattagtt ctccatcaac gtcaca   226

<210> 540
<211> 226
<212> DNA
<213> Artificial Sequence

<400> 540
tgtacgcctt ttcccactcg tctacagaaa tgtatgacgt tgcttggtcc gcaacccaaa 60
aattaagctc cttagttagg aagttggtga gattacctgt agcctctccc tctgtctttt 120
tagcccggtt gtgttctaac atatgtgtgc gaacgtcagg tttttcaaaa agagggttag 180
atttaaacca gttttcctcg tcatccgcct cgtcaaaact atccat   226

<210> 541
<211> 225
<212> DNA

<213> Artificial Sequence

<400> 541
tatgattgtt tttgatgagt ctcactgtct agcaaacagg agcgcaaacg taactaagtt 60
ttggatgaaa gtaagtaaga aagcaggaca cacctattta atgagcggaa ctccaatttc 120
taacggactg ttagaacaat ggttttctca attgaaaatc gcaggtttat actctggaac 180
gtggaaatct tttagagaac gctactgtat agaagagaaa cagta   225

<210> 542
<211> 225
<212> DNA
<213> Artificial Sequence

<400> 542
aaaaagaatt gtttattgtt gactctcacg cgtgggtagc aacaacgggt ggtggtattg 60
ttcagaaaga ggctaacgat agaacaccct atagacacta ttccaaacag gggtattgtg 120
aaatttcttc ccgtcctgac ggtcagtgtg attgggagga tatgttaaat tgggttttgg 180
cgtttattga gacaaacaat ttagacgtac aaggtatttg ttatg   225

<210> 543
<211> 225
<212> DNA
<213> Artificial Sequence

<400> 543
ttttgtcaaa gaagccagta ccttttttgt atgcaaactt aggacgttta tgacctaaca 60
cttgtgcagt ttcttctgct gttaaaacgt gggttccatt tcgtccccac atcgttacgt 120
tcttaccttt agggataacc gcttgaccac ttgggtcaat aaccatttca gcaccacgtc 180
catcattgac agtcatggga ccatctacag ggtgaccgcc acttg   225

<210> 544
<211> 225
<212> DNA
<213> Artificial Sequence

<400> 544
gcgttgccat ggaactcctc ctctagaact ctgttaaaca gcatatttaa ctcatcatca 60
aacccattac cgtttaatac cttgttaata tactccgatt taaattgctc taacataatt 120
atcccccttа gaataaatct tgacccgcat atacgcaaga gatgtttatc catgcgcctg 180
acggaatcgc actatctact gtagtaccat acctacttac tagaa   225

<210> 545
<211> 225
<212> DNA
<213> Artificial Sequence

<400> 545
caagtggcgg tcaccctgta gatggtccca tgactgtcaa tgatggacgt ggtgctgaaa 60
tggttattga cccaagtggt caagcggtta tccctaatgg taagaacgta acgatgtggg 120
gacgaaaagg aacccacgtt ttaacagcag aagaaactgc acaagtgtta ggtcataaac 180
gtcctaagtt tgcatacaaa aaaggtactg gcttctttga caaaa   225

<210> 546
<211> 225
<212> DNA
<213> Artificial Sequence

<400> 546
tatacacaat atctgatggg atgagtttgt tgtcacgttt aatagcaacg ctgtgttctt 60
tgagtagctc atttaattcc tcagtgtttc tatatcccac aatcgcatta taagaccgtc 120
cacctaacta ctgtttctct tctatacagt agcgttctct aaaagatttc cacgttccag 180
agtataaacc tgcgattttc aattgagaaa accattgttc taaca   225

<210> 547
<211> 225

<212> DNA
<213> Artificial Sequence

<400> 547
gggtttcatt tacgtctgta tcaaacatct ttgaaaacga taccgcgtaa cgtgtaaggt 60
tctgtaggtc ctcaccgaat acagggatag ggctgttgtg ctcaacccta ctcatagcgt 120
caaccatttc ctcaaggcta cccaaaccct cagcaactag ttcgttagcc atttgagtgt 180
agttttctgc gccctcttgt gaaagaccta atgcaccttg aaact   225

<210> 548
<211> 225
<212> DNA
<213> Artificial Sequence

<400> 548
ataagataaa acatctcaga ggaatactaa aagagggtga ggacgctttg gatgttcaaa 60
taaaggcgta tagagacgct cagaggtgtt ctaaatggga tgaggtacaa gttacctttg 120
aacgattgag agagggctat gaggctccta cgtggcttac gtttgatatg ttcaaaacca 180
tgcacccaca tttagccaat gtgaatgtaa ctcagtcaaa aataa   225

<210> 549
<211> 225
<212> DNA
<213> Artificial Sequence

<400> 549
ccttatcgcg acaataggtt aatggataaa tgtcttttac ttctggtgtc atttctgtgt 60
gtattgtagg aatcatcatg cctgttttct cctttcgttc ttcgtttatt atgttagcat 120
actttttccg tcagcgcaag gggtaacttg atggggacac cttgttgggg tacattttga 180
tgataataat taaataacaa aaataataaa ataacaaagg gtggt   225

<210> 550
<211> 225
<212> DNA
<213> Artificial Sequence

<400> 550
tacgctatcg cattgaggat gtttcacgtg gaacatacag caaagacttt gatactttga 60
ttgctaagga ggtttctaaa gaggacgttt taaatgaggt ggtaaaatga gtgataatta 120
tgtagacgtt agtgacatct acaaagcgct tggtgaacta ggtaaagact tagaccgtga 180
ggcaaataaa ataatgaacg acatagcgcc tgaggttgct gagga   225

<210> 551
<211> 225
<212> DNA
<213> Artificial Sequence

<400> 551
ccttatcgcg acaataggtt aatggataaa tgtcttttac ttctggtgtc atttctgtgt 60
gtattgtagg aatcatcatg cctgttttct cctttcggtc ttcgtttatt atgttagcat 120
actttttacg tcagcgcaag gggtaacttg atggggacac cttgttgggg tacattttga 180
tgataataat taaataacaa aaataataaa ataacaaagg gtggt   225

<210> 552
<211> 225
<212> DNA
<213> Artificial Sequence

<400> 552
cataacaaat accttgtacg tctaaattgt ttgtctcaat aaacgccaaa acccaattta 60
acatatcctc ccaatcacac tgaccgtcag gacgggacga aatttcacaa tacccctgtt 120
tggaatagtg tctatagggt gttctatcgt tagcctcttt ctgaacaata ccaccacccg 180
ttgttgctac ccacgcgtga gagtcaacaa taaacaattc ttttt   225

<210> 553

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

<400> 553
gggtttcatt tacgtctgta tcaaacatct ttgaaaacga taccgcgtaa cgtgtaaggt 60
tctgtaggtc ctcaccgaat acagggatag ggctgttgtg ctcaacccta ctcatagcgt 120
caaccatgtc ctcaaggcta cccaaaccct cagcaactag ttcgttagcc atttgagtgt 180
agttttctgc gccctcttgt gaaagaccta atgcaccttg aaact   225

<210> 554
<211> 225
<212> DNA
<213> Artificial Sequence

<400> 554
ttctagtaag taggtatggt actacagtag atagtgcgat tccgtcaggc gcatggataa 60
acatctcttg cgtatatgcg ggtcaagatt tattctatgg gggataatta tgttagagca 120
atttaaatcg gagtatatta acaaggtatt aaacggtaat gggtttgatg atgagttaaa 180
tatgctgttt aacagagttc tagaggagga gttccatggc aacgc   225

<210> 555
<211> 225
<212> DNA
<213> Artificial Sequence

<400> 555
caagtggcgg tcaccctgta gatggtccca tgactgtcaa tgatggacgt ggtgctgaaa 60
tggttattga cccaagtggt caagcggtta tccctaatgg taagaacgta acgatgtggg 120
gacgaaatgg aacccacgtt ttaacagcag aagaaactgc acaagtgtta ggtcataaac 180
gtcctaagtt tgcatacaaa aaaggtactg gcttctttga caaaa   225

<210> 556
<211> 225
<212> DNA
<213> Artificial Sequence

<400> 556
ccttatcgcg acaataggtt aatggataaa tgtcttttac ttctggtgtc atttctgtgt 60
gtattgtagg aatcatcatg cctgttttct cctttcggtc ttcgtttatt atgttagcat 120
actttttccg tcagcgcaag gggtaacttg atggggacac cttgttgggg tacattttga 180
tgataataat taaataacaa aaataataaa ataacaaagg gtggt   225

<210> 557
<211> 224
<212> DNA
<213> Artificial Sequence

<400> 557
agggtgtcat acgttacagc acgtgtgaac aaacctcctg ttgttgataa gagtctggac 60
catttaggag cttcttgcgt gtcaatcata accccagtct caagtttaaa acgcccatct 120
gggtcaaccc acgagaaccc acttaatgta ttggggttgt ttgacccctc tggtgtacca 180
cctaatgctc gtattgctgt agttaactca taaatgttac ctgt   224

<210> 558
<211> 224
<212> DNA
<213> Artificial Sequence

<400> 558
tacacctaca gtagacaata ctagccctac atatgtaggg tatagtacca cggacactgt 60
acctgaggac actgcgccaa atatcctatt aaacggttca caggacaata gtatacagta 120
ttggggactc tttgacgcag taacggctac accaacagca ggagccacta aattaactaa 180
aacagcagtg tcaacaatac gtcctgcata cctatcaaat ggct   224

<210>   559
<211>   224
<212>   DNA
<213>   Artificial Sequence

<400>   559
acacaaccta caaccttgac aaaactaaag gcggtgcaat tgaggcaaca atcagtggac 60
taggagcgga ggctactaca gtctacgcgt caaacggtcc gtttttcgta tctgctaaag 120
gtacaggtga aacaaccgta tcattgaatg ttttcgactt acaagcgggt ggagcatata 180
gtgctgtttt aggtattacc gcagacgaaa atggtattat gaca   224

<210>   560
<211>   224
<212>   DNA
<213>   Artificial Sequence

<400>   560
gcgcctctag ttcctgttca ttatctagag catgaccaat tttacagagc agtgtgtggc 60
gcattagttc taattcttta cgcagtggtc tattcagtgt ctcactggcg tcaaacatat 120
tagaggcatg aaataaattg tcataacaat tattcaatgt gtccccatct ttaaagccca 180
caaatttatc attacccaca ttgggaacaa acatatctgc cacc   224

<210>   561
<211>   224
<212>   DNA
<213>   Artificial Sequence

<400>   561
ataataaagt aggtacgttc ttaggtaaag ttggggacaa ggtatacgaa cttgtcaaag 60
gtaaccctca atttaaagag ggatatttca acgatagaac gaacgataag tacagatacc 120
ttggtgactg tgcgtatttt caaaacggtg cgctaaacat gcgtacatta gaactacgtc 180
cgtttgaacc atgggactat agaacgcaag acaccatttt accc   224

<210>   562
<211>   224
<212>   DNA
<213>   Artificial Sequence

<400>   562
tggatagttt tgacgaggcg gatgacgagg aaaactggtt taaatctaac cctcttttg   60
aaaaacctga cgttcgcaca catatgttag aacacacacg ggctaaaaag acagagggag 120
aggctaaagg taatctcacc aacttcctaa ctaaggagct taatttttgg gttgcggacc 180
aagcaacgtc atacatttct gtagacgagt gggaaaaggc gtac   224

<210>   563
<211>   224
<212>   DNA
<213>   Artificial Sequence

<400>   563
ccgtgtttcc tagttcgatt tttatttttg ttatagttat aattaaagca tttgaattac 60
cctgtatact aaaagcatta gttgcccctg cggttagacc ctcaaattta tacgttgaag 120
gtgtgtcacc ttgttttatt gtttgccatg tactgagagc gtcaaaatta cctaccctaa 180
ttaacccatt attgttgctg aatgcgtcta ttgtgacgga atat   224

<210>   564
<211>   224
<212>   DNA
<213>   Artificial Sequence

<400>   564
atcttcacaa cttatctcac gtgttcccgc caatgggttg tgtgtgaagt ccatgatagt 60
aagacaggca ctatctccgt tatgtcgtct ataaattaga taattaccca actgcgccat 120
ttctttatct ttaactaact gctcttgtga ttcatcaaaa tgtaataccc ctgtgaactc 180
tataatgtca tctgtttcat agttgattat ctcatggtca tctg   224

<210>   565
<211>   224
<212>   DNA
<213>   Artificial Sequence

<400>   565
acacaaccta caaccttgac aaaactaaag gcggtgcaat tgaggcaaca atcagtggac 60
taggagcgga ggctactaca gtctacgcgt caaacgttcc gtttttcgta tctgctaaag 120
gtacaggaga aacaaccgta tcattgaatg ttttcgactt acaagcgggt ggagcatata 180
gtgctgtttt aggtattacc gcagacgaaa atggtattat gaca   224

<210>   566
<211>   224
<212>   DNA
<213>   Artificial Sequence

<400>   566
gcccactctg ttttagttga tttgacagag gcgccatttt gtcccgttgt tctcatccac 60
gtgtacttac ttgggtccgt gctaggttct tgagtagagt tactatattg acccatatat 120
agcggatatg cgttcgcgaa atcttcagat gggtttgggg tgtagatggt tgccgtgttt 180
cctagttcga tttttatttt tgttatagtt ataattaaag catt   224

<210>   567
<211>   224
<212>   DNA
<213>   Artificial Sequence

<400>   567
tactcaagaa cctagcacgg acccaagtaa gtacacgtgg atgagaacaa cgggacaaaa 60
tggcgcctct gtcaaatcaa ctaaaacaga gtgggccatc aatacctcaa gcgttgatga 120
acctacatca ggatggagta caaccatccc aactctagaa aaaggtaaat acctatggac 180
acgtacaacg tgggagtaca ctgatggtac aacatcagta gcct   224

<210>   568
<211>   224
<212>   DNA
<213>   Artificial Sequence

<400>   568
atcttcgcgc gtactatcat agtaggtaac acgcacaatt aattctgttg ttgctagact 60
accagtccac cccttagaga tgaatacact ccctgataca gtgtacgttg taccgcgcaa 120
agcactggag ccatttgata ggtatgcagg acgtattgtt gacactgctg ttttagttaa 180
tttagtggct cctgctgttg gtgtagccgt tactgcgtca aaga   224

<210>   569
<211>   224
<212>   DNA
<213>   Artificial Sequence

<400>   569
tagacgcatg accctatgaa ctcacataat gctttatcac ttcgtgggtc agtaaagaag 60
ttgaccgctt gccatagtct atttttctca atctctggta gcgtcacagg tgtctctttt 120
acatgcaggg gtaaaatggt gtcttgcgtt ctatagtccc atggttcaaa cggacgtagt 180
tctaatgtac gcatgtttag cgcaccgttt tgaaaatacg caca   224

<210>   570
<211>   224
<212>   DNA
<213>   Artificial Sequence

<400>   570
atattccgtc acaatagacg cattcagcaa caataatggg ttaattaggg taggtaattt 60
tgacgatctc attacatcgc aaacaataaa acaacgagac acaccttaaa cgtataaatt 120
tgagggtata accgcagtgg caactaatgc ttttagtata cagggtaatt caaatgcttt 180

aattataact ataacaaaaa taaaaatcga actaggaaac acgg 224

<210> 571
<211> 224
<212> DNA
<213> Artificial Sequence

<400> 571
ttaaccgcgt tacctactga cccactgctt ataatcttat attcaatcat ctaatcacac 60
ccaatcatac tctgtttgtt cttctgaatt gtcgttctct aggttccata atagtttacc 120
taatcgtagc gcctctagtt cctgttcatt atctagagca tgaccaattt tacagagcag 180
tgtgtggcgc attagttcta attctttacg cagtggtcta ttca 224

<210> 572
<211> 224
<212> DNA
<213> Artificial Sequence

<400> 572
ttattatggt ataattaata aagaaacaag tgtaaggggg gtttttaaaa tagaatttta 60
ttttactgat agggaattta accctatagg aattgcgtcc acagatggag caggactcat 120
taaaatgaca gatgaccatg agataatcaa ctatgaaaca gatgacatta tagagttcac 180
aggggtatta cattttgatg aatcacaaga gcagttagtt aaag 224

<210> 573
<211> 224
<212> DNA
<213> Artificial Sequence

<400> 573
gcaactaatg agggtgctac acagaggaca gacggtaata cacctacagt agacaatacg 60
agccctacat atggagggta tagtaccacg gacactgtac ctgaggacac tgcgccaaat 120
atcctattca acggttcaca ggacaatagt atacagtatt ggggaatctt tgacgcagta 180
acggctacac caacagcagg agccactaaa ttaactaaaa cagc 224

<210> 574
<211> 224
<212> DNA
<213> Artificial Sequence

<400> 574
acacaaccta caaccttgac aaaactaaag gcggtgcaat tgaggcaaca atcagtggac 60
taggagcgga ggctactaca gtctacgcgt caaacggtcc gtttttcgta tctgctaaag 120
gtacaggaga aacaaccgta tcattgaatg ttttcgactt acaagcgggt ggagcatata 180
gtgctgtttt aggtattacc gcagacgaaa atggtattat gaca 224

<210> 575
<211> 224
<212> DNA
<213> Artificial Sequence

<400> 575
ccgtgtttcc tagttcgatt tttatttttg ttatagttat aattaaagca tttgaattac 60
cctgtatact aaaagcatta gttgcccctg cggttagacc ctcaaattta tacgttgaag 120
gtgtgtctcc ttgttttatt gtttgccatg tactgagagc gtcaaaatta cctaccctaa 180
ttaacccatt attgttgctg aatgcgtcta ttgtgacgga atat 224

<210> 576
<211> 223
<212> DNA
<213> Artificial Sequence

<400> 576
gtagtattga aacgattgag gtgacgtggt tttaatagca ggtacaacat tattaagtaa 60
gtcaagtgca ccatcttcac aacttatctc acgtggtccc gccaatgggt tgtgtgtgaa 120

gtccatgata gtaagacagg cactatctcc gttatgtcgt ctataaatta gataattacc 180
caactgcgcc atttctttaa ctttaactaa ctgctcttgt gat   223

<210>   577
<211>   223
<212>   DNA
<213>   Artificial Sequence

<400>   577
agcaccaacc tcacaacttc tataacgcgt tctacaccct gtaagtgttc agcaatctca 60
cacgcctcaa aaatatcatt ggcaaaaata agacagtcct catacttcat acgccaacta 120
atgtacgtca ctctaaacat tatacatcac tcctgttcta atttctaaga cctcaattcc 180
taacacttgt tctaaggcaa caaactctgt cttatactgg tta   223

<210>   578
<211>   223
<212>   DNA
<213>   Artificial Sequence

<400>   578
tccgctgtac aatgacacgt gaccaaacgg gtaagaagtt cacttggaac tttgagcata 60
tccaatcaaa caacggaatt aaaccagtta caaaaaaccc atttacctac actgcacctg 120
tagcaaacaa agcttccgtt gttaaaacat ctagatggct actcaagtat aaagactcag 180
tagccacaag ggaggtagtg gataaggtaa catggacaat gaa   223

<210>   579
<211>   223
<212>   DNA
<213>   Artificial Sequence

<400>   579
tctcatagac gcatgaccct atgaactcac ataatgcttt ttcacttagt gggtcagtaa 60
agaagttgac cgcttgccat agtctatttt tctcactctc tggtagcgtc acaggtgtct 120
cttttacatg aatgggtaaa atggtgtctt gcgttctata gtcccatggt tcaaacggac 180
gtagttctaa tgtacgcatg tttagcgcac cgttttgaaa ata   223

<210>   580
<211>   223
<212>   DNA
<213>   Artificial Sequence

<400>   580
tcaatgatgg acgtggtgct gaaatggtta ttgacccaag tggtcaagcg gttatcccta 60
aaggtaagaa cgtaacgatg tggggacgaa aaggacccca cgttttaaca gcagaagaaa 120
ctgcacaagt gttaggtcat aaacgtccta agtttgcata caaaaaaggt actggcttct 180
ttgacaaaat tacaggaggc gtaaaaaaca tctggaacgg tgc   223

<210>   581
<211>   223
<212>   DNA
<213>   Artificial Sequence

<400>   581
ctgtagtagc ctccgctcct agtccactga ttgttgcctc aattgcaccg cctttagttt 60
tgtcaaggtt gtaggttgtg tagcctgtac cctcgttatt gggcacatga atatgagcag 120
atttaaatcc gatttttgcc atgtttgtgt catcctttct tgtctttctt atattatttt 180
aacacatgat tttcgttcaa agttagacta gctttatgtc tct   223

<210>   582
<211>   223
<212>   DNA
<213>   Artificial Sequence

<400>   582
acgcgagtag gtagaacggt tcaaatagca ggtgcgttta aacccataaa ccaacttagc 60

gcaggtcaat atgtcattaa ccaacctcta ccagtgtggg ctagaccatt gaataacgta 120
acactcattc atcaaggttc tggaatgaac aggctactac tagaagtgcg caaggatggt 180
gcaattctag taagtaggta tggtactaca gtagatagtg cga 223

<210> 583
<211> 223
<212> DNA
<213> Artificial Sequence

<400> 583
tgaattaccc tgtatactaa aagcattagt tgcccctgcg gttataccct caaatttata 60
cgttgaaggt gtgtcacctt gttttattgt ttgccatgta ctgagagcgt caaaattacc 120
taccctactt aacccattat tgttgctgaa tgcgtctatt gtgacggaat atttaactcc 180
tgctggcaag tagttggtta ataagtcatt gctataatag act 223

<210> 584
<211> 223
<212> DNA
<213> Artificial Sequence

<400> 584
tgtcttattt ttgccaatga tattttggag gcgtgtgaga ttgctgaaca cttacagggt 60
gtagaacgcg ttatagaagt tgagaggttg gtgctctgat aaaaaaggga ttagagtgca 120
ttgtgacacc gtgggatagt gattgtaact ttaaagatgg tacggttgtg cgtgtaattg 180
gttttagtga atggagcgcg tggggtttcc cacaattata ttt 223

<210> 585
<211> 223
<212> DNA
<213> Artificial Sequence

<400> 585
cttaaaccta acgaggtacg cgcctactat ggttatcctg aaacagacga gagtcagttt 60
tctagaatga caggctcacg tattaatgtt tcacgtgaaa caaacaatca aaataaggag 120
gctactactg atgaaaacgg agacgcgtag cattgagatt agagcacttg aggaaaatga 180
ggacatgatt gttgagggtt acgctgttac gttcaacagt gaa 223

<210> 586
<211> 223
<212> DNA
<213> Artificial Sequence

<400> 586
agagacataa agctagtcta actttgaacg aaaatcatgt gttaaaataa tataagaaag 60
acaagaaagg atgacacaaa catggcaaaa atcggtttta aatctgctca tattcatgtg 120
cccaataccg agggtacagg ctacacaacc tacaaccttg acaaaactaa aggcggtgca 180
attgaggcaa caatcagtgg actaggagcg gaggctacta cag 223

<210> 587
<211> 223
<212> DNA
<213> Artificial Sequence

<400> 587
ctagcgcttt tagtggtgag cgtcctgaaa tgccgtcaat tgagttcagt ctaaaatgta 60
acatgtcttt acccttgatg gtttctttct tttgagtgtc agggtcaatg tactcatatg 120
acaattcttt actcgctgtg tcttgtaaga ttgtaattgt atgagggctg acaatctgta 180
gcttagtaac ttgtgttccg ttgcgtctaa tgattgcaaa cgc 223

<210> 588
<211> 223
<212> DNA
<213> Artificial Sequence

<400> 588

cgttaagacg tattttgcca attattttca ataagcaagt gacaaaaggt gatgacaaag 60
taacgtttat gcgtcaattt aaccctgatg tgtctactga gatgagagac gcactaaaca 120
acgaacagga gaaagctgag tttattagat ggtgtgtaca ggagtatgct gaactattga 180
aacgcagaga ggacgttacc gcagacgagt ttgtgtggac gct   223

<210>   589
<211>   223
<212>   DNA
<213>   Artificial Sequence

<400>   589
tcagatgggt ttggggtgta gatggttgcc gtgtttccta gttcgatttt tatttttgtt 60
atagttataa ttaaagcatt tgaattaccc tgtatactaa aagcattagt tgcccctgcg 120
gttatacact caaatttata cgttgaaggt gtgtcacctt gttttattgt ttgccatgta 180
ctgagagcgt caaaattacc taccctaatt aacccattat tgt   223

<210>   590
<211>   223
<212>   DNA
<213>   Artificial Sequence

<400>   590
tcaggttggc aaagatatag tgatgttatg ggatacacta acacacctac agccacgcga 60
gtaggtagaa cggttcaaat agcaggtgcg tttaaaccca taaaccaact tagcgcaggt 120
caatatgaca ttaaccaacc tctaccagtt tgggctagac cattgaataa cgtaacactc 180
attcatcaag gttctggaat gaacaggcta ctactagaag tgc   223

<210>   591
<211>   223
<212>   DNA
<213>   Artificial Sequence

<400>   591
tcaatgatgg acgtggtgct gaaatggtta ttgacccaag tggtcaagcg gttatcccta 60
aaggtaagaa cgtaacgatg tggggacgaa aaggaaccca cgttttaaca gcagaagaaa 120
ctgcacacgt gttaggtcat aaacgtccta agtttgcata caaaaaaggt actggcttct 180
ttgacaaaat tacaggaggc gtaaaaaaca tctggaacgg tgc   223

<210>   592
<211>   223
<212>   DNA
<213>   Artificial Sequence

<400>   592
ctagcgcttt tagtggtgag cgtcctgaaa tgccgtcaat tgagttcagt ctaaaatgta 60
acatgtcttt acccttgatg gtttctttct tttgattgtc agggtcaatg tactcatatg 120
acaattcatt actcgctgtg tcttgtaaga ttgtaattgt atgagggctg acaatctgta 180
gcttagtaac ttgtgttccg ttgcgtctaa tgattgcaaa cgc   223

<210>   593
<211>   223
<212>   DNA
<213>   Artificial Sequence

<400>   593
ttctgttagt tgatgagtcg ttacacaaca ctcgcctgtt accgtttgaa tattctatag 60
tcgcaccatt tcctgtccaa ccattaatag tggggacttt cgagaaatca taattcaata 120
ctaaattatc atttgggtat tggagtgtga acctctcttt tccatcacta ctccatgcgt 180
aagctgtgtg taaaaatgga ttttgaccat cctgtacgtt tgc   223

<210>   594
<211>   223
<212>   DNA
<213>   Artificial Sequence

<400> 594
ttaattctgt tgttgctaga ctaccagtcc acccctaga gatgaataca ctccctgata 60
cagtgtacgt tgtaccgcgc aaagcactgt agccatttga taggtatgca ggacgtattg 120
ttgacacggc tgttttagtt aatttagtgg ctcctgctgt tggtgtagcc gttactgcgt 180
caaagattcc ccaatactgt atactattgt cctgtgaacc gtt 223

<210> 595
<211> 223
<212> DNA
<213> Artificial Sequence

<400> 595
aagtctgaaa taatactcct tagacgctcc actgctgttg tctcattatc atagtttaaa 60
gtacgtgtct gattactaaa gtagtttgcg cccaatgtaa agcccgtgtc tctcatgaca 120
atgttcctgt agtattgaaa cgattgaggt gacgtggttt taatagcagg tacaacatta 180
ttaagtaagt caagtgcacc atcttcacaa cttatctcac gtg 223

<210> 596
<211> 223
<212> DNA
<213> Artificial Sequence

<400> 596
tgagaaaaat agactatggc aagcggtcaa cttctttact gacccactaa gtgaaaaagc 60
attatgtgag ttcatagggt catgcgtcta tgagaccaaa cctgaggctg ttcatgctca 120
aattgttgtc tcacgcggta cacgcaacgg aggaaatgga aagtctattc taatgaccaa 180
aatcataggc tcaccattgt ttggaaaaat gtacacagaa ctc 223

<210> 597
<211> 223
<212> DNA
<213> Artificial Sequence

<400> 597
tcgcactatc tactgtagta ccatacctac ttactagaat tgcaccatcc ttgcgcactt 60
ctagtagtag cctgttcatt ccagaacctt gatgactgag tgttacgtta ttcaatggtc 120
tagcccacac tggtagaggt tggttaatga catattgacc tgcgctaagt tggtttatgg 180
gtttaaacgc acctgctatt tgaaccgttc tacctactcg cgt 223

<210> 598
<211> 223
<212> DNA
<213> Artificial Sequence

<400> 598
ttcactgttg aacgtaacag cgtaaccctc aacaatcatg tcctcatttt cctcaagtgc 60
tctaatctca atgctacgcg tctccgtttt catcagtagt agcctcctta ttttgattgt 120
ttgtttctcg tgaaacatta atacgtgagc ctgtcattct agaaaactga ctctcgtctg 180
tttcaggata accatagtag gcgcgtacct cgttaggttt aag 223

<210> 599
<211> 223
<212> DNA
<213> Artificial Sequence

<400> 599
ctagcgcttt tagtggtgag cgtcctgaaa tgccgtcaat tgagttcagt ctaaaatgta 60
acatgtcttt acccttgatg gtttctttct tttgagtgtc agggtcaatg tactcatatg 120
acaattcatt actcgctgtg tcttgtaaga ttgtaattgt atgagggctg acaatctgta 180
gcttagtaac ttgtgttccg ttgcgtctaa tgattgcaaa cgc 223

<210> 600
<211> 223
<212> DNA
<213> Artificial Sequence

<400> 600
gcaccgttcc agatgttttt tacgcctcct gtaattttgt caaagaagcc agtacctttt 60
ttgtatgcaa acttaggacg tttatgacct aacacgtgtg cagtttcttc tgctgttaaa 120
acgtggggtc cttttcgtcc ccacatcgtt acgttcttac ctttagggat aaccgcttga 180
ccacttgggt caataaccat ttcagcacca cgtccatcat tga 223

<210> 601
<211> 223
<212> DNA
<213> Artificial Sequence

<400> 601
agagacataa agctagtcta actttgaacg aaaatcatgt gttaaaataa tataagaaag 60
acaagaaagg atgacacaaa catggcaaaa atcggattta aatctgctca tattcatgtg 120
cccaataccg agggtacagg ctacacaacc tacaaccttg acaaaactaa aggcggtgca 180
attgaggcaa caatcagtgg actaggagcg gaggctacta cag 223

<210> 602
<211> 222
<212> DNA
<213> Artificial Sequence

<400> 602
acgcatttgc tactgttacc gtagaaacgt tgttaggaat agctcctaat ttgaacatta 60
agcccgcctt tgtgtctgta gctactacgt caaatcggat ggcacccgct aacatttcac 120
cgtagacatt gtggtcttgc caacgtaccg tcatttcagt acgtttgaac aaagtaatag 180
cttgttctaa gtcaccaatg aataatagtt tatcatttgt gt 222

<210> 603
<211> 222
<212> DNA
<213> Artificial Sequence

<400> 603
taacattgtt gacaaagtca ccaactaaac caattacaat ttttagtagt ggactaataa 60
aattaaggaa gttcatgaac gcttccatga tttgtttacc atactgatta tagaactcgc 120
ttacctgatt gaaaatgcta ccgaacgcac taaaaatcgt gtctagtatg ggttttaata 180
atggataaac cttttcaaac atgatggcgc ccatattcca ta 222

<210> 604
<211> 222
<212> DNA
<213> Artificial Sequence

<400> 604
ttaccggttg agccatctac aggaatatag ttcactgtat aggctactga tgttgtacca 60
tgagtgtact cccacgttgt acgtgtccat aggtctttac ctttatctag agttgggatg 120
gttctactcc ttcctgatgt aggttcatca acgcttgagg taatgattgc ccactctgtt 180
ttagttgatt tgacagaggc gccattttgt cccgttgttc tc 222

<210> 605
<211> 222
<212> DNA
<213> Artificial Sequence

<400> 605
tccagataat acgtgtccat aggtattgac cacctgttac atttggtggt gttgcttgcc 60
aacctgtgga tggtgctgtt gtacctgagg tacctacagc gtaagtaaca gcgatagatt 120
tcacaccctt accggttgag ccatctacag gaatatagtt cactgtatag gctactgatg 180
ttgtaccatc agtgtactcc cacgttgtac gtgtccatag gt 222

<210> 606
<211> 222
<212> DNA

<213> Artificial Sequence

<400> 606
aatgattcaa tgaaaattga aaaacaaatg cgctcaggtt taccacaagt aggggtaaga 60
ccgtatggac aaattcacgt acacagtacg gggacttcat catctacagc gcaaaacgag 120
gcagactatc atatgcgcag acccgtcaac agtgggttct tctcgcacgt agtaggtaac 180
gggcgagtaa ttcaaacagc acgcacaaac gcgggctttt at 222

<210> 607
<211> 222
<212> DNA
<213> Artificial Sequence

<400> 607
aacattgaaa cacaatctaa aaaaggtaac ccaatgagac gcctgaaact ccgtgagaca 60
cgcacaggta gggaggctgt ttcttactta atgacttgga aacctgattt tacacgttgg 120
gaggacattg agccactatc agtggtgagg gtagacattg agttaaaaga tgggttctat 180
aatttaggta agcctgaaat tgcaggcaag gttgatgaag tt 222

<210> 608
<211> 222
<212> DNA
<213> Artificial Sequence

<400> 608
aacttcatca accttgcctg caatttcagg cttacctaaa ttatagaacc catcttttaa 60
ctcaatgtct accctcacca ctgatagtgg ctcactgtcc tcccaacgtg taaaatcagg 120
tttccaattc attaagtaag aaacagcctc cctacctgtg cgtgtctcac ggagtttcag 180
gcgtctcatt gggttacctt ttttagattg tgtttcaatg tt 222

<210> 609
<211> 222
<212> DNA
<213> Artificial Sequence

<400> 609
ccagataata cgtgtccata ggtattgacc acctgttaca tttggtggtg ttgcttgcca 60
acctgtggat ggtgctgttg tacctgaggt acctacagcg taagtaacag cgatagattt 120
cacaccagta ccggttgagc catctacagg aatatagttc actgtatagg ctactgatgt 180
tgtaccatca gtgtactccc acgttgtacg tgtccatagg ta 222

<210> 610
<211> 222
<212> DNA
<213> Artificial Sequence

<400> 610
acacaaatga taaactatta ttcattggtg acttagaaca agctattact ttgttcaaac 60
gtactgaaat gacggtacgt tggcaagacc acaaggtcta cggtgaaatg ttagcgggtg 120
ccatccgttt tgacgtagta gctacagaca caaaggcggg cttaatgttc aaattaggag 180
ctattcctaa caacgtttct acggtaacag tagcaaatgc gt 222

<210> 611
<211> 222
<212> DNA
<213> Artificial Sequence

<400> 611
tatggaatat gggcgccatc atgtttgaaa aggtttatcc attattaaaa cccatactag 60
acacgatttt tagtgcgttc ggtagcattt tcaaacaggt aagcgagttc tataatcagt 120
atggtaatca aatcatggaa gcgttcatga acttccttaa ttttattagt ccactactaa 180
aaattgtaat tggtttagtt ggtgactttg tcaacaatgt ta 222

<210> 612
<211> 222

<212> DNA
<213> Artificial Sequence

<400> 612
ataaaagccc gcgtttgtgc gtgctgtttg aattactcgc ccgttaccta ctacgtgcga 60
gaagaaccca ctgttgacgg gtctgcgcat atgagagtct gcctcgtttt gcgctgtaga 120
tgatgaattc cccgtactgt gtacgtgaat ttgtccatac ggtcttaccc ctacttgtgg 180
taaacctgag cgcatttgtt tttcaatttt cattgaatca tt   222

<210> 613
<211> 222
<212> DNA
<213> Artificial Sequence

<400> 613
ctcagtggcg cgctttggtc aggatggtat tagtgtgact ggtactcaat cagagtatgt 60
acaaacaact agttctgtag aacctacctc aggagggagt acaacacgtc caacacctca 120
aattggtatg tggttgtggg taaggagtag aaatacgctt tcaaatggta cgtatacaaa 180
gtgggtagta actagctcat acacgggtag agactcaatt tt   222

<210> 614
<211> 222
<212> DNA
<213> Artificial Sequence

<400> 614
ccagataata cgtgtccata ggtattgacc acctgttaca tttggtggtg ttgcttgcca 60
acctgtggat ggtgctgttg tacctgaggt acctccagcg taagtaacag cgatagattt 120
cacaccatta ccggttgagc catctacagg aatatagttc actgtatagg ctactgatgt 180
tgtaccatca gtgtactccc acgttgtacg tgtccatagg ta   222

<210> 615
<211> 222
<212> DNA
<213> Artificial Sequence

<400> 615
tacctatgga cacgtacaac gtgggagtac actgatggta caacatcagt agcctataca 60
gtgaactata ttcctgtaga tggctcaacc ggtactggtg tgaaatctat cgctgttact 120
tacgctggag gtacctcagg tacaacagca ccatccacag gttggcaagc aacaccacca 180
aatgtaacag gtggtcaata cctatggaca cgtattatct gg   222

<210> 616
<211> 222
<212> DNA
<213> Artificial Sequence

<400> 616
tatggaatat gggcgccatc atgtttgaaa aggtttatcc attattaaaa cccatactag 60
acacgatttt tagtgcgttc ggtagcattt tcaatcaggt aagcgagttc tataatcagt 120
atggtaatca aatcatggaa gcgttcatga acttccttaa ttttattagt ccactactaa 180
aaattgtaat tggtttagtt ggtgactttg tcaacaatgt ta   222

<210> 617
<211> 222
<212> DNA
<213> Artificial Sequence

<400> 617
ataaaagccc gcgtttgtgc gtgctgtttg aattactcgc ccgttaccta ctacgtgcga 60
gaagaaccca ctgttgacgg gtctgcgcat atgagagtct gcctcgtttt gcgctgtaga 120
tgatgaagtc cccgtactgt gtacgtgaat ttgtccatac ggtcttaccc ctacttgtgg 180
taaacctgag cgcatttgtt tttcaatttt cattgaatca tt   222

<210> 618

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

<400> 618
aacttcatca accttgcctg caatttcagg cttacctaaa ttatagaacc catcttttaa 60
ctcaatgtct accctcacca ctgatagtgg ctcactgtcc tcccaacgtg taaaatcagg 120
tttccaagtc attaagtaag aaacagcctc cctacctgtg cgtgtctcac ggagtttcag 180
gcgtctcatt gggttacctt ttttagattg tgtttcaatg tt   222

<210> 619
<211> 222
<212> DNA
<213> Artificial Sequence

<400> 619
acgcatttgc tactgttacc gtagaaacgt tgttaggaat agctcctaat ttgaacatta 60
agcccgcctt tgtgtctgta gctactacgt caaatcggat ggcacccgct aacatttcac 120
cgtagacctt gtggtcttgc caacgtaccg tcatttcagt acgtttgaac aaagtaatag 180
cttgttctaa gtcaccaatg aataatagtt tatcatttgt gt   222

<210> 620
<211> 221
<212> DNA
<213> Artificial Sequence

<400> 620
atggtatcac taatagatac accattggtt atactgtcat ataccttttg ttctatctca 60
ttatcagcta acaggtagta gtacacaggg tcactggtag atgtgtgccg tgctatccgt 120
cccttcagtt gttggtacgt aatactagaa aggggtagct cgtagaatac cattatgtgg 180
gatgtagcta agaagtttac ccctgtactt cctgccttga a   221

<210> 621
<211> 221
<212> DNA
<213> Artificial Sequence

<400> 621
catcccattt agaacacctc tgagcgtctc tatacgcctt tatttgaaca tccaaagcgt 60
cctcaccctc ttttagtatt cctctgagat gttttatctt atcctctagc tcgtcatagg 120
gtcgtaatat ttctttttta acccgcttgc gttcgttgtc tatgttgcta aactctttgc 180
gagcctgtgc gaggagtttt ttatattcct ttatgttgtc c   221

<210> 622
<211> 221
<212> DNA
<213> Artificial Sequence

<400> 622
ttgttggtac gtaatactag aaaggggtag ctcgtagaat accattatgt gggatgtagc 60
taagaagttt acccctgtac ttcctgcctt gaagtgtact agaataatcg cgtcctcatg 120
ttgttcccat gtctctaagt ccttaataga gccattatat attgagatag gtctatcacc 180
tttagacaat tcctctacta atctattaca cgtttcttta t   221

<210> 623
<211> 221
<212> DNA
<213> Artificial Sequence

<400> 623
gcttttgtgc ctcaatagct ttctcagtta aggagattga acgttttaga ccctcctgtt 60
tagcctcaag tgcgcccgct gagtcccctg cgtcttttag tgcttttact tgttgttgag 120
tctcacggtc gttctgtttc atttctttag aaagttgtgt tagtccactc ttagcgtcaa 180
tgtattcctt ggaggttttt tctagttgac tagttaaacc a   221

<210>   624
<211>   221
<212>   DNA
<213>   Artificial Sequence

<400>   624
tcgttctgtt tcatttcttt agaaagttgt gttagtccac tcttagcgtc aatgtattcc 60
ttggaggttt tttctagttg actagttaaa ccagtgtatt ttgctgtggc gttattgatt 120
tgagtgctta gagactgaac ctgtttagac tcagccccgt atttctttat agcgtcctct 180
ctacgtttgt ttaaaacctc aatgcgtttc tcttgaattt t   221

<210>   625
<211>   221
<212>   DNA
<213>   Artificial Sequence

<400>   625
agcacggacc caagtaagta cacgtggatg agaacaacgg gacaaaatgg cgcctctgtc 60
aaatcaacta aaacagagtg ggcaatcaat accacaagcg ttgatgaacc tacatcagga 120
tggagtacaa ccatcccaac tctagaaaaa ggtaaatacc tatggacacg tacaacgtgg 180
gagtacactg atggtacaac atcagtagcc tatacagtga a   221

<210>   626
<211>   221
<212>   DNA
<213>   Artificial Sequence

<400>   626
tacttttgtt ccaatgcctc tacactatca gaggcaccgt caaacgcttt gatgtttgcc 60
ttcatggagc tttcagcttg tttgaattgt tttgttagtt tgtcaagtgt attacctagt 120
tcagcgggtc cgtcaatacc taaaccaaac ttcatatttc ctactggttt tccgctttgc 180
accatgtgtt aatcagctcc ttttttctct agcttttcaa g   221

<210>   627
<211>   221
<212>   DNA
<213>   Artificial Sequence

<400>   627
catcccattt agaacacctc tgagcgtctc tatacgcctt tatttgaaca tccaaagcgt 60
cctcaccctc ttttagtatt cctctgagat gttgtatctt atcctctagc tcgtcatagg 120
gtcgtaaaat ttctttttta acccgcttgc gttcgttgtc tatgttgcta aactctttgc 180
gagcctgtgc gaggagtttt ttatattcct ttatgttgtc c   221

<210>   628
<211>   221
<212>   DNA
<213>   Artificial Sequence

<400>   628
taactataac aaaaataaaa atcgaactag gaaacacggc aaccatctac accccaaacc 60
catctgaaga tttcgcgaac gcatatccgc tatatatggg tcaatatagt aactatactc 120
aagaaccgag cacggaccca agtaagtaca cgtggatgag aacaacggga caaaatggcg 180
cctctgtcaa atcaactaaa acagagtggg caatcaatac c   221

<210>   629
<211>   221
<212>   DNA
<213>   Artificial Sequence

<400>   629
catcccattt agaacacctc tgagcgtctc tatacgcctt tatttgaaca tccaaagcgt 60
cctcaccctc ttttagtatt cctctgagat gttgtatctt atcctctagc tcgtcatagg 120
gtcgtaatat ttctttttta acccgcttgc gttcgttgtc tatgttgcta aactctttgc 180
gagcctgtgc gaggagtttt ttatattcct ttatgttgtc c   221

<210>   630
<211>   220
<212>   DNA
<213>   Artificial Sequence

<400>   630
gaacgcctct gtactacgtt cagcctcctc atcatgagga atgtaggcgt gacagtctgt 60
gttgctctgt aacatggtaa catggtccct aagtccctcg tagaagtcag ccataattaa 120
ttgcccaatc acacatgtta gaaattgaaa acgtgggtca tataacccat taaactctgc 180
acctgtggca ccaaacaatg tattaatagg caattttacc   220

<210>   631
<211>   220
<212>   DNA
<213>   Artificial Sequence

<400>   631
tagggacacc accaattttg tttaggtcct cgttaaatcg ctctttaacc tcatcttttt 60
tagtccattc ttttgtctta ctattgtagt cctctttgta caatgttaat gtgtacagtt 120
ttgaatattc ctcaggacac acactaatca ctaaactttt gtcctcgtcc tcaactgcta 180
caactgttaa tttttcaggt tctttactca ttaaaatctc   220

<210>   632
<211>   220
<212>   DNA
<213>   Artificial Sequence

<400>   632
acctgaaaac attcatgtaa ctataccaga gattagagaa atgtttttag accatgagtt 60
tgacctaaat aaaaaaggta agcccgtagc taaaggaacg tatactgacc ctaatactgg 120
ttatgttctg gagtttggcg cgggaggtgt ccacggagct gttgaacagc ttattcacat 180
tggacgcttt ctcatgcgtg actacggtag tttgtaccct   220

<210>   633
<211>   220
<212>   DNA
<213>   Artificial Sequence

<400>   633
tgtactgaga gcggcaaaat tacctaccct aattaaccca ttattgttgc ggaaggcgtc 60
tattgtgacg gaatatttca ctcctgctgg cacgtagttg gttaataagt cattgctata 120
atagactctt ctgttagttg atgagtcgtt aaacaacact cgcatgttcc cgtttgaata 180
ttctatagtc gcaccatttc ctgtccaacc attaatagtg   220

<210>   634
<211>   220
<212>   DNA
<213>   Artificial Sequence

<400>   634
tgtactgaga gcgtcaaaat tacctaccct aattaaccca ttattgttgc tgaatgcgtc 60
tattgtgacg gaatatttaa ctcctgctgg cacgtagttg gttaataagt cattgctata 120
atagactatt ctgttagttg atgagtcgtt aaacaacact cgcatgttcc cgtttgaata 180
ttctatagtc gcaccatttc ctgtccaacc attaatagtg   220

<210>   635
<211>   220
<212>   DNA
<213>   Artificial Sequence

<400>   635
gttgaggatg agtttgttat tgttaagatt gctaaaaatg atttaggtaa ccttgatgtt 60
gcgtatgagc tagtataaca acgttttaca cataaatggt ataataacac tatatgaaat 120
aagagagtga gattttaatg agtaaagaac ctgaaaaatt aacagttgta gcagttgagg 180

acgaggacaa aagtttagtg attagtgtgt gtcctgagga 220

<210> 636
<211> 220
<212> DNA
<213> Artificial Sequence

<400> 636
agtctattat agcaatgact tattaaccaa ctacttgcca gcaggagtta aatattccgt 60
cacaatagac gcattcagca acaataatgg gtgaattagg gtaggtaatt ttgacgctct 120
cagtacatgg caaacaataa aacaaggtga cacaccttca acgtataaat ttgagggtat 180
aaccgcaggg gcaactaatg cttttagtat acagggtaat 220

<210> 637
<211> 220
<212> DNA
<213> Artificial Sequence

<400> 637
tcgttcattg taatctctgt ttcatctgta tatttagcct ctagacgtgt atctaagagt 60
tctttcacta ggtgcttatt ctcctcaggt tcgttacgag aaagaagatc aaatttcaga 120
tacacatgag ggtacaaact accgtagtca cgcatgagaa agcgtccaat gtgaataagc 180
tgttcaacag ctccgtggac acctcccgcg ccaaactcca 220

<210> 638
<211> 220
<212> DNA
<213> Artificial Sequence

<400> 638
ggtaaaattg cctattaata cattgtttgg tgccacaggt gcagagttta atgggttata 60
tgacccacgt tttcaatttc taacatgtgt gagtgggcaa ttaattatgg ctgacttcta 120
cgagggactt agggaccatg ttaccatgtt acagagcaac acagactgtc acgcctacat 180
tcctcatgat gaggaggctg aacgtattac agacgcgttc 220

<210> 639
<211> 220
<212> DNA
<213> Artificial Sequence

<400> 639
agtttgacat cacagggcgt gaagtattta ttggtataga cctagcacga gtaaatgact 60
tgaccgctgt tacgtgggtt attcctatcc ctgaaaaaga attgtatatt gttgactctc 120
acgcgtgggt agcaacaacg ggtggtggta ttgttcagaa agaggctaac gatagaacac 180
cctatagaca atattccaaa caggggtatt gtgaaatttc 220

<210> 640
<211> 220
<212> DNA
<213> Artificial Sequence

<400> 640
cccaacgttt accactaaac aaatctttag cacaaatgac aaaatcttgc tcaaatacct 60
cactatcata aattactaaa tattgtttcc cgcttggttt attgggacgc ggtggaactt 120
catcaccctt gcctgcaatt tcaggcttac ctaaattata gaacccatct tttaactcaa 180
tgtctaccct caccactgat agtggctcaa tgtcctccca 220

<210> 641
<211> 219
<212> DNA
<213> Artificial Sequence

<400> 641
acaaatacca gacgactatt taggaggtaa taagcaatga gtaatatgtt tgaggtaggt 60
cacagagtag tatgtgtaga cactttatgt gtagaagata tattggaaaa aggtaaacga 120

tataccagtg ttggagtagg cagccttttc gtgcaggttg atggtattga tgaatggttc 180
tactatgacc gttttgaacg tgactatgtt aatgaggga   219

<210>   642
<211>   219
<212>   DNA
<213>   Artificial Sequence

<400>   642
acccaactgc gccatttctt taactttaac taactgctct tgtgattcat caaaatgtaa 60
tacccctgtg aactctataa tgtcatctgt ttcatagttg attatctcat ggtcatctga 120
cattttattg agtcctgctc catctgtgga cgcaattcct atagggttaa attccctatc 180
agtaaaataa aattctattt taaaaacccc ccttacact   219

<210>   643
<211>   219
<212>   DNA
<213>   Artificial Sequence

<400>   643
tgagtcctgc tccatctgtg gacgcaattc ctatagggtt aaattcccta tcagtaaaat 60
aaaattctat tttaaaaacc ccccttacac tggtttcttt attaattata ccataaaaaa 120
gccactcttt ggcgagtggc tagatgttat tacaagtagg ttcgttggtt cttcacagtt 180
acttctaaag tgtctgtagc ccaatctgag ttaatgaac   219

<210>   644
<211>   219
<212>   DNA
<213>   Artificial Sequence

<400>   644
ttaccctgta tactaaaagc attagttgcc cctgcggtta taccctcaaa tttatacgtt 60
gaaggtgtgt caccttgttt tattgtttgc catgtactga gagcgtcaaa attacctacc 120
ctaattaccc cattattgtt gctgaatgcg tctattgtga cggaatattt aactcctgct 180
ggcaagtagt tggttaataa gtcattgcta taatagact   219

<210>   645
<211>   219
<212>   DNA
<213>   Artificial Sequence

<400>   645
gagtagccat ctagatgttt taacaacgga agctttgttt gctacaggtg cattgtaggt 60
aaatgggttt tttgtaactg gtttaattcc ggtgtttgat tggatatgct caaagttcca 120
agtgaacttc ttacccgttt ggtcacgtgt cattgtacag cggaaccaag atgatttgta 180
cttagttacg tctgtcttga tagattttag taacttgtt   219

<210>   646
<211>   219
<212>   DNA
<213>   Artificial Sequence

<400>   646
ggaatacatt gacgctaaga gtggactaac acaactttct aaagaaatga aacagaacga 60
acgtgagact caacaacaag taaaagcact aaaagacgca ggggactcag cgggcgcact 120
tgaggctcaa caggagggtc taaaacgttc aatctcctta actgagaaag ctattgaggc 180
acaaaagcgc gctattgaaa tgagttctca ggagttcgg   219

<210>   647
<211>   219
<212>   DNA
<213>   Artificial Sequence

<400>   647
agtttttgt aaatggtgag ggtacaatca gtatatcagc taaagttgtc aaaggcaagg 60

atgacattac tgataatttt acttcgtttg tatggcgtag atatgacgcc tcaaacgtat 120
tagacacctc atggacagca acaggaaaaa caatcacagt aaatgcagga caatcaaatg 180
tatatacata ttattgttct gtagattatt agaggaggt   219

<210>   648
<211>   219
<212>   DNA
<213>   Artificial Sequence

<400>   648
aacaggttgg acgtttgaca agactgtata cgttgatagt gatggtaatg aacatgacgc 60
acagaaagta aaccgtgtgt ttgctgtgaa atcgggtgat aaagctgtta acttattcaa 120
agtaaaaacc ggtaaacttg aaccagttga aaatgaggac ggagaacttg aaacagaaga 180
agtaacctat attaaaggtg atgactcata tgtaacagg   219

<210>   649
<211>   219
<212>   DNA
<213>   Artificial Sequence

<400>   649
ccgaactcct gagaactcat ttcaatagcg cgcttttgtg cctcaatagc tttctcagtt 60
aaggagattg aacgttttag accctcctgt ttagcctcaa gtgcgcccgc tgagtcccct 120
gcgtcttgta gtgcttttac ttgttgttga gtctcacgtt cgttctgttt catttcttta 180
gaaagttgtg ttagtccact cttagcgtca atgtattcc   219

<210>   650
<211>   219
<212>   DNA
<213>   Artificial Sequence

<400>   650
ttgggtattg gagtgtgaac ctctcttttc catcactact ccatgcgtaa gctgtgtgta 60
aaaatggatt ttgaccatcc tgtacgtttg caatactcaa tggctttgac tctaatgcca 120
tgtttttgac ctcctctaat aatctacaga acaataatat gtatatacat ttgattgtcc 180
tgcatttact gtgattgttt ttcctgttgc ggtccatga   219

<210>   651
<211>   219
<212>   DNA
<213>   Artificial Sequence

<400>   651
ttaggtaaca gaccgtatga cttgtaacta gtcttggaac ctgcacgaat gtgtaggact 60
tccttagatt tcattgtcca tgttacctta tccactacct cccttgtggc tactgagtct 120
ttatactgga gtagccatct agatgtttta acaacggaag ctttgtttgc tacaggtgca 180
ttgtaggtaa atgggttttt tgtaactggt ttaattccg   219

<210>   652
<211>   219
<212>   DNA
<213>   Artificial Sequence

<400>   652
aaaaagaatt gtttattgtt gactctcacg cgtgggtagc aacaacgggt ggtggtattg 60
ttcagaaaga ggctaacgat agaacaccct agagacaata ttccaaacag gggtattgtg 120
aaatttcttc ccgtcctgac ggtcagtgtg attgggagga tatgttaaat tgggttttgg 180
cgtttattga gacaaacaat ttagacgtac aaggtattt   219

<210>   653
<211>   219
<212>   DNA
<213>   Artificial Sequence

<400>   653

actattaatg gttggacagg aaatggtgcg actatagaat attcaaacgg gaacatgcga 60
gtgttgttta acgactcatc aactaacaga atagtctatt atagcaatga cttattaacc 120
aactactagc cagcaggagt taaatattcc gtcacaatag acgcattcag caacaataat 180
gggttaatta gggtaggtaa ttttgacgct ctcagtaca   219

<210>   654
<211>   219
<212>   DNA
<213>   Artificial Sequence

<400>   654
aaaaagaatt gtttattgtt gactctcacg cgtgggtagc aacaacgggt ggtggtattg 60
ttcagaaaga ggctaacgat agaacaccct agagacaata ttccaaacag gggtattgtg 120
aaatttcgtc ccgtcctgac ggtcagtgtg attgggagga tatgttaaat tgggttttgg 180
cgtttattga gacaaacaat ttagacgtac aaggtattt   219

<210>   655
<211>   219
<212>   DNA
<213>   Artificial Sequence

<400>   655
ccgaactcct gagaactcat ttcaatagcg cgcttttgtg cctcaatagc tttctcagtt 60
aaggagattg aacgttttag accctcctgt tgagcctcaa gtgcgcccgc tgagtcccct 120
gcgtcttgta gtgcttttac ttgttgttga gtctcacgtt cgttctgttt catttcttta 180
gaaagttgtg ttagtccact cttagcgtca atgtattcc   219

<210>   656
<211>   219
<212>   DNA
<213>   Artificial Sequence

<400>   656
cctgttacat atgagtcatc acctttaata taggttactt cttctgtttc aagttctccg 60
tcctcatttt caactggttc aagtttaccg gattttactt tgaataagtt aacagcttta 120
tcacccgatt tcacagcaaa cacacggttt actttctgtg cgtcatgttc attaccatca 180
ctatcaacgt atacagtctt gtcaaacgtc caacctgtt   219

<210>   657
<211>   218
<212>   DNA
<213>   Artificial Sequence

<400>   657
tttaattaaa gttgaaacaa ccatgttgga ccctgcgtca ggttggcaaa gatatagtga 60
tgttatggga tacactaaca cacctacagc cacgcgagta ggtagaacgg ttcaaatagc 120
aggtgcgatt aaacccataa accaacttag cgcaggtcaa tatgtcatta accaacctct 180
accagtttgg gctagaccat tgaataacgt aacactca   218

<210>   658
<211>   218
<212>   DNA
<213>   Artificial Sequence

<400>   658
aatgatattt ttgaggcgtg tgagattgct gaacacttac agggtgtaga acgcgttata 60
gaagttgtga ggttggtgct atgataaaaa agggtttaga gtgcattgtg acaccgtggg 120
atagtgagtg taactttaaa gatggtacgg ttgtgcgtgt aattggtttt agtgaatgga 180
gcgcgtgggg tttcccacaa ttatatttat gtacagat   218

<210>   659
<211>   218
<212>   DNA
<213>   Artificial Sequence

<400> 659
atctgtacat aaatataatt gtgggaaacc ccacgcgctc cattcactaa aaccaattac 60
acgcacaacc gaaccatctt taaatttaca atcactatcc cacggtttca caaagcaatc 120
tcaacccatt tttatcatag caccaaccac acaacttcta taacgcgttc tacaccctgt 180
aagtgttcag caatctcaca cgcctcaaaa atatcatt   218

<210> 660
<211> 218
<212> DNA
<213> Artificial Sequence

<400> 660
ttggtattta gttgctttgg cgcgtacttt tactttacta cctacaggga aatcacgtgt 60
gtctgtgatt tttggtttag acggttgtgg gtttggttta ggtttgttgt cagtattgga 120
actatttcca ccaaacccat ttttaatgtc tttagcaaac tgctctttac taattcccca 180
tttacgcaag tatggatagg ggtcaatatg gtcagaac   218

<210> 661
<211> 218
<212> DNA
<213> Artificial Sequence

<400> 661
tatagtccct catgtcctct tttaccattt tacgcgttat tctacttcta tcatctgtgt 60
tgtatctgtt tgctagaaga ataccgtccg agaagagttt caattcaaca aggtcaccct 120
cattacccgt gtgctcaaat agtccactat taaaggctaa atcaataaca ggtgttttac 180
tacgtactag ttcctcacgc atttccttag cctcatca   218

<210> 662
<211> 218
<212> DNA
<213> Artificial Sequence

<400> 662
ttctgttagt tgaggagtcg taaaacaaca ctcgcatgtt cccctgtgaa gatactatag 60
tcgcaccctt ccctctccaa ccattaatag aggggtcttt cgagaaatca taattcaata 120
ctaaattatc atttgggtat tggagtgtga acctctcttt tccatcacta ctccatgcgt 180
aagctgtgtg taaaaatgga ttttgaccat cctgtacg   218

<210> 663
<211> 218
<212> DNA
<213> Artificial Sequence

<400> 663
tctttgacgc agtaacggct acaccaacag caggagccac taaattaact aaaacagcag 60
tgtcaacaat acgtcctgca tacctatcaa atggctacag tgctttgcgc ggtacaacgt 120
ccactgtatc agggagtgta gtcatctcta aggggtggac tggtagtcta gcaacaacag 180
aattaattgt gcgtgttccc tcctctgata gtacgcgc   218

<210> 664
<211> 218
<212> DNA
<213> Artificial Sequence

<400> 664
tatagtccct catgtcctct tttaccattt tacgcgttat tctacttcta tcatctgtgt 60
tgtatctgtt tgctagaaga ataccgtccg tgaagagttt caattcaaca aggtcaccct 120
cattaccagt gtgctcaaat agtccactat taaaggctaa atcaataaca ggtgttttac 180
tacgtactag ttcctcacgc atttccttag cctcatca   218

<210> 665
<211> 218
<212> DNA
<213> Artificial Sequence

<400>   665
ttttgtcctc gtcctcaact gctacaactg ttaatttttc aggttcttta ctcattaaaa 60
tctccctctc ttatttcata tagtgttatt ataccattta tgtgtaaaac gttgttatac 120
tagctcagac gcaacatcaa ggttacctaa atcattttta gcaatcttaa caataacaaa 180
ctcatcctca acttcatcct gttccccatc cacgcgta   218

<210>   666
<211>   218
<212>   DNA
<213>   Artificial Sequence

<400>   666
ttacctgttt gaaaatgcta ccgaacgcac taaaaatcgt gtctagtatg ggttttaata 60
atggataaac cttttcaaac atgatggcgc acatattcca taataactcc gtgatggttt 120
taatataatc gccaaccggt tccagtattg gttgtaactt accaaacacc tcacctaaat 180
attgccctac ttttggtaag atgtcttttg taaagttt   218

<210>   667
<211>   218
<212>   DNA
<213>   Artificial Sequence

<400>   667
atctgtacat aaatataatt gtgggaaacc ccacgcgctc cattcactaa aaccaattac 60
acgcacaacc gtaccatctt taaagttaca ctcactatcc cacggtgtca caatgcactc 120
taaacccatt tttatcatag caccaacctc acaacttcta taacgcgttc tacaccctgt 180
aagtgttcag caatctcaca cgcctcaaaa atatcatt   218

<210>   668
<211>   218
<212>   DNA
<213>   Artificial Sequence

<400>   668
tgatgaggct aaggaaatgc gtgaggaact agtacgtagt aaaacacctg ttattgattt 60
agcctttaat agtggactat ttgagcacac tggtaatgag ggtgaccttg ttgaattgaa 120
actcttctcg gacggtattc ttctagcaaa cagatacaac acagatgata gaagtagaat 180
aacgcgtaaa atggtaaaag aggacatgag ggactata   218

<210>   669
<211>   218
<212>   DNA
<213>   Artificial Sequence

<400>   669
ttacctgttt gaaaatgcta ccgaacgcac taaaaatcgt gtctagtatg ggttttaata 60
atggataaac cttttcaaac atgatggcgc acatattcca taataactcc gtgatggttt 120
taatatactc gccaaccggt tccagtattg gttgtaactt accaaacacc tcacctaaat 180
attgccctac ttttggtaag atgtcttttg taaagttt   218

<210>   670
<211>   218
<212>   DNA
<213>   Artificial Sequence

<400>   670
atcatgtaat gttagttcca ttctattcat cctcctcaaa taagtcatat gttttattct 60
ctggtaattt tggcaattta tacgtgctaa tgtgtcccgt gtctatcaag tgaaaaatag 120
tttctatctc ctgtagttca gcctttagta tgagacctat gacgccttgt tctctcacgc 180
gttgtaaaaa acgtctttgt aggcttgttg gttggtac   218

<210>   671
<211>   217
<212>   DNA

<213> Artificial Sequence

<400> 671
acgagaacat ttagctatgg tgggagaggg taataaacct gaaatggtta ttccactaga 60
caaagccaaa cgctcacgcg ctatgtatct actagctgag gcacaaaagc ggttaggtgt 120
atcacaatca accgtggtag ctggtcaggg ttctaatgat gagctaattg ctcaattgat 180
tgtacagcaa caacaaacaa acgcactgtt acaagca   217

<210> 672
<211> 217
<212> DNA
<213> Artificial Sequence

<400> 672
tgctttttca cttagtgggt cagtaaagaa gttgaccgct tgccatagtc tatttttctc 60
aatctctggt agcgtcacag gtgtctcttg tacatgaatg ggtaaaatgg tgtcttgcgt 120
tctatagtcc catggttcaa acggacgtag ttctaatgta cgcatgttta gcgcaccgtt 180
ttgaaaatac gcacattcac caaggtatct gtactta   217

<210> 673
<211> 217
<212> DNA
<213> Artificial Sequence

<400> 673
tgtcctcatt ttcctcaagt gctctaatct caatgctacg cgtctccgtt ttcatcatta 60
gtagcctcct tattttgatt gtttgtttca cgtgaaacat taatacgtga gcctgtcatt 120
ctagaaatct gactctcgtc tgtttcagga taaccatagt aggcgcgtac ctcgttaggt 180
ttaagatact caatgccttt ggctgtaccc tcaaaca   217

<210> 674
<211> 217
<212> DNA
<213> Artificial Sequence

<400> 674
atagttagca tataatgtga gtgttcggtc atcaacacct tgctcacgca tgtcgttttc 60
taaatcaatt aaaatacggt ctgtgttttc aacttctact aataactcat agttattcat 120
cttcgttgtc ctcctcatct aacatactaa gttcttcgcg taagaacttg acaacccctt 180
ctaatagctc aattgtttcc tctttgttta ggttctc   217

<210> 675
<211> 217
<212> DNA
<213> Artificial Sequence

<400> 675
gcacgtgtgt atttagatac gctaattaaa tttgaggagg aaaaataatg aacattcata 60
ctgatttact tattttggct gtagacatga acacaggtaa ggcaacggga gcaatagagg 120
gggaaggaga gaacctaaac aaagaggaaa caattgagct attagaaggg gttgtcaagt 180
tcttacgcga agaacttagt atgttagatg aggagga   217

<210> 676
<211> 217
<212> DNA
<213> Artificial Sequence

<400> 676
atggatagtt ttgacgaggc ggatgacgag gaaaactggt ttaaatctaa ccctcttttt 60
gaaaaacctg acgttcgcac acatatgtta gaacacaatc gggctaaaaa gacagaggga 120
gaggctaaag gtaatctcac caacttccta actaaggagc ttaatttttg ggttgcggac 180
caagcaacgt catacatttc tgtagacgag tgggaaa   217

<210> 677
<211> 217

<212> DNA
<213> Artificial Sequence

<400> 677
ggagttagaa actatttttc acttgataga cacgggacac attagcacgt ataaattgcc 60
aaaattacca gagattaaaa catatgactg atttgaggag gatgaataga atggaactaa 120
cattacatga ttttgagtat aacgaggata tgattgacgt atatgattta gatgatacgt 180
tagtgtttta tactagtgag aaaataggga gtagtac   217

<210> 678
<211> 217
<212> DNA
<213> Artificial Sequence

<400> 678
cctatgattt tggtcattag aatagacttt ccatttcctc cgttgcgtgt accgcgtgag 60
acaacaattt gagcatgaac agcctcaggt ttgttctcat agacgcatga ccctatgaac 120
tcacatactg ctttttcact tagtgggtca gtaaagaagt tgaccgcttg ccatagtcta 180
tttttctcaa tctctggtag cgtcacaggt gtctctt   217

<210> 679
<211> 217
<212> DNA
<213> Artificial Sequence

<400> 679
tataaactct ttaacacgaa gaaaactcct attctaggtt gtgacctgta ccatgaacac 60
aaagggtttt cactgaaaga acatgagggg ttcatggggt tagaagtcaa agagacggat 120
gttgactttg aacaaggcgg taaactaaca gatgaggaac tacgcaaaga ggttgcttat 180
tgttggaaag acgtagacgc cactgagcta cgcttct   217

<210> 680
<211> 217
<212> DNA
<213> Artificial Sequence

<400> 680
ttcgtcaaga taaccgtatt cagatacctc ttgagttgcc tgactgtaaa tagcgtaagt 60
attacaataa atgactagca tgccagcgta tagttttgaa attggtagct gtttaagttg 120
tggaacaagg tcctcgtaaa tcaaccaccc ttccttagta attccctcag gaatatcgtc 180
taatgaaagt tgttcataat tatataactc ttgttct   217

<210> 681
<211> 217
<212> DNA
<213> Artificial Sequence

<400> 681
gtgacagtct atttactggt tataactctg ctagttatga taataatgtg ctccgtggtt 60
atttacaagg taaagacgcg tttcagttgt cacaggctgt tattaagtca gatgatagag 120
gacttatgta taaactcttt aacacgaaga aaactcctat tctaggttgt gacctgtacc 180
atgaacacaa agggttttca ctgaaagaac atgaggg   217

<210> 682
<211> 217
<212> DNA
<213> Artificial Sequence

<400> 682
caaccgtggt agctggtcag ggttctaatg atgagctaat tgctcaattg attgtacagc 60
aacaacaaac aaacgcactg ttacaagcag tactagaaaa ggacacggac gtctacttag 120
acaaacgtaa agttactgcg gaactaaacc ctgctttaac taaagataag caacgcggac 180
aaatggtatc taacagacgt caagggcgtt tagcata   217

<210> 683

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

<400> 683
ttgaacacgg ggtactcttt gccaaacctc caatttacac tattaaactc acctgtgtaa 60
attaaaacat ctccgacttt tagttcatta actttaacca ttgttttcct ccttaatatt 120
caacactcac aatgtagtac ggttgtatta ctacattcac gggcacagag cttagtagca 180
taatctgaaa aacctctcct gtttgcatac gttcaat   217

<210> 684
<211> 217
<212> DNA
<213> Artificial Sequence

<400> 684
agcacttgta aacaactttt tacatccctt tttataaaat aatatggtat aatatgtgta 60
tacttattat acattgtttt tctccctaat aagcactaca cgctgattcc tcccaacgtg 120
tagtgctttt tattattttg acgagttaag ttcgtcaatt gtgtcattgt atgcagtagc 180
taggttattc atgaggtcac caatttttcc aattatt   217

<210> 685
<211> 217
<212> DNA
<213> Artificial Sequence

<400> 685
ttggaaacgt gaaaaaggta gatgattata tgacacctgt tattaatgaa agcaatgaga 60
cccgtaccat taccatctgc atggtcaacg gacgctctta cacatataag ggttccccag 120
agtttgtgat tgaacgtatg caaacaggag aggtttttca gattatgcta ctaagctctg 180
tgcccgtgaa tgtagtaata caaccgtact acattgt   217

<210> 686
<211> 217
<212> DNA
<213> Artificial Sequence

<400> 686
cataaaccaa cttagcgcag gtcaatatgt cattaaccaa cctctaccag tttgggctag 60
accattgaat aacgtaacac tcattcatca aggttctgga atgaacaggc tactactaga 120
agtgcgctag gatggtgcaa ttctagtaag taggtatggt actacagtag atagtgcgat 180
tccgtcaggc gcatggataa acatctcttg cgtatat   217

<210> 687
<211> 217
<212> DNA
<213> Artificial Sequence

<400> 687
gtactactcc ctatttctc actagtataa aacactaacg tatcatctaa atcatatacg 60
tcaatcatat cctcgttata ctcaaaatct tgtaatgtta gttccattct attcatcctc 120
ctcaaataag tcatatgttt taatctctgg taattttggc aatttatacg tgctaatgtg 180
tcccgtgtct atcaagtgaa aaatagtttc taactcc   217

<210> 688
<211> 217
<212> DNA
<213> Artificial Sequence

<400> 688
cataaaccaa cttagcgcag gtcaatatgt cattaaccaa cctctaccag tttgggctag 60
accattgaat aacgtaacac tcattcatct aggttctgga atgaacaggc tactactaga 120
agtgcgcaag gatggtgcaa ttctagtaag taggtatggt actacagtag atagtgcgat 180
tccgtcaggc gcatggataa acatctcttg cgtatat   217

<210>   689
<211>   217
<212>   DNA
<213>   Artificial Sequence

<400>   689
ggagttagaa actatttttc acttgataga cacgggacac attagcacgt ataaattgcc 60
aaaattacca gagattaaaa catatgactg atttgaggag gatgaataga atggaactaa 120
cattacaaga ttttgagtat aacgaggata tgattgacgt atatgattta gatgatacgt 180
tagtgtttta tactagtgag aaaataggga gtagtac   217

<210>   690
<211>   217
<212>   DNA
<213>   Artificial Sequence

<400>   690
tgtcctcatt ttcctcaagt gctctaatct caatgctacg cgtctccgtt ttcatcatta 60
gtagcctcct tattttgatt gtttgtttct cgtgaaacat taatacgtga gcctgtcatt 120
ctagaaatct gactctcgtc tgtttcagga taaccatagt aggcgcgtac ctcgttaggt 180
ttaagatact caatgccttt ggctgtaccc tcaaaca   217

<210>   691
<211>   217
<212>   DNA
<213>   Artificial Sequence

<400>   691
atatacgcaa gagatgttta tccatgcgcc tgacggaatc gcactatcta ctgtagtacc 60
atacctactt actagaattg caccatccta gcgcacttct agtagtagcc tgttcattcc 120
agaacctaga tgaatgagtg ttacgttatt caatggtcta gcccaaactg gtagaggttg 180
gttaatgaca tattgacctg cgctaagttg gtttatg   217

<210>   692
<211>   216
<212>   DNA
<213>   Artificial Sequence

<400>   692
aataaacaat tctttttcag ggataggaat aacccacgta acagcggtca agtcatttac 60
tcgtgctagg tctataccaa taaatacttc acgccctgtg atgtcaaact cctcgtctgt 120
gtacgccatt tcccactcgt ctacagaaat gtatgacgtt gcttggtccg caacccaaaa 180
attaagctcc ttagttagga agttggtgag attacc   216

<210>   693
<211>   216
<212>   DNA
<213>   Artificial Sequence

<400>   693
aggcacaaaa gcgcgctatt gaaatgagtt ctcaggagtt cggtgaaaac tctaaagaag 60
ttgaggaggc tagaatctcc ctatctaact tagagtcaca ggctaaatta tcaagtaaag 120
ctcttaaatc aatggagaac gctagtgatg gacttagtga catcaaaggt ggagcagacg 180
aggctacaga tggggtaggt ggactattag atggtg   216

<210>   694
<211>   216
<212>   DNA
<213>   Artificial Sequence

<400>   694
tagcgcaggt caatatgtca ttaaccaacc tctaccagtt tgggctagac cattgaataa 60
cgtaacactc attcatcaag gttctggact gaacaggcta ctactagaag tgcgcaagga 120
tggtgcaatt ctagtaagta ggtatggtac tacagtagat agtgcgattc cgtcaggcgc 180
atggataaac atctcttgcg tatatgcggg tcaaga   216

<210>   695
<211>   216
<212>   DNA
<213>   Artificial Sequence

<400>   695
tcctgaaaat agtttgtcca tttcatagta aatattttgc gcctctgata gtgtcttaca 60
ccatacatct acctgtatgg ttatctccct cattaggggg ttattacttg cataagagtc 120
gtgagtatat ccaatctcag taattcgccc taatggtaag ttaggaattg tttgctccgc 180
ctcaggaaca aagtttacgt accagtctat atctgg   216

<210>   696
<211>   216
<212>   DNA
<213>   Artificial Sequence

<400>   696
ttgtgcgatt caatcaattc aattgccgca tatccccacg agttccatcc gccacctacg 60
tcataaaagc ccgcgtttgt gcgtgctgat tgaattactc gcccgttacc tactacgtgc 120
gagaagaacc cactgttgac gggtctgcgc atatgatagt ctgcctcgtt ttgcgctgta 180
gatgatgaat tccccgtact gtgtacgtga atttgt   216

<210>   697
<211>   216
<212>   DNA
<213>   Artificial Sequence

<400>   697
catatactct atgtgtgcgt agtttcttaa ccattgatgg tgacttgact ttatacacaa 60
tatctgatgg gatgagtttg ttgtcacgat taatagcaac gctgtgttct ttgagtagct 120
catttaattc ctcagtgttt ctatatccca caatcgcatt ataagaccgt ccacctaaat 180
actgtttctc ttctatacag tagcgttctc taaaag   216

<210>   698
<211>   216
<212>   DNA
<213>   Artificial Sequence

<400>   698
tagcgcaggt caatatgtca ttaaccaacc tctaccagtt tgggctagac cattgaataa 60
cgtaacactc attcatcaag gttctggaat gaacaggcta ctactagaag tgcgcaagga 120
tggtgcactt ctagtaagta ggtatggtac tacagtagat agtgcgattc cgtcaggcgc 180
atggataaac atctcttgcg tatatgcggg tcaaga   216

<210>   699
<211>   216
<212>   DNA
<213>   Artificial Sequence

<400>   699
taaaaacaac caatggtatt atgtaactaa gaactcaggt aagaaaatac ctgcctcagg 60
atgggtcagt ggatattacc tacaaaaccc taaacgtgtg gaacacaaga agaaagagac 120
ctactctatt gttgcaaaaa tgcaggtgac agattcaaga ttcacatgga tgggaacagg 180
taaatctaaa gaaagtaaaa acccatttaa agcagg   216

<210>   700
<211>   216
<212>   DNA
<213>   Artificial Sequence

<400>   700
cacatgattt tcgttcaaag ttagactagc tttatgtctc ttgtgatgat atagcgttta 60
atgatacgtg gtgcgttctc aatatcaggg tcagtaccaa tttcactata tgatagacta 120
ttgtagtgtc ctgaaaatag tttgtccatt tcatagtaaa tattttgcgc ctctgatagt 180

gtcttacacc atacatctac ctgtatggtt atctcc 216

<210> 701
<211> 216
<212> DNA
<213> Artificial Sequence

<400> 701
gtaacatcag cctgtgtcgc tttgccgtct ttgaatgctt gaaaaacgtc tcttgttttc 60
tgagaaaaca tatccatgtt gtcatctatc cgtccgtcaa caatagagat accaatttct 120
tttactaggt cgttcacctt atcaaggtta tatgctccac cgtcaagacc cgcaagcatt 180
gtactaaatg cctcatctgc tgtatatccc atttgt 216

<210> 702
<211> 216
<212> DNA
<213> Artificial Sequence

<400> 702
cattctcgca tatcctgata aggtactagc aatgtaaata gagttttgtg ttccgtcttg 60
tgagtttact aactccatac caaaacgaat taaaggtata ccaaacactt tagctatttg 120
ttttgtgcta aaggtattag actgaattag tttcaatagg tctgtattaa ccgtaaatgt 180
ttcatactct tgtgtgctgt ccaatacgag tacact 216

<210> 703
<211> 216
<212> DNA
<213> Artificial Sequence

<400> 703
ttgccaaact gtaggacttt accgttttcg ttcataacag caatcatacc gttttcttct 60
gcgttggtga tttcaaagat tgggtaacat ttccacgttc cataattggt aacaggtaca 120
gtctttagaa actccttaac agaagccacg tatgtcccat ctgtgccacg tgttagcatt 180
ggtctgttaa taacaacgtg tgcattacca tataca 216

<210> 704
<211> 216
<212> DNA
<213> Artificial Sequence

<400> 704
cttagtatca taatgcaact ctacattatg atactctttc atataggttt ttgcataatc 60
aaacaaacgc tctggacact taaaactata tgagccacca tctgcacatt tacaaattac 120
atgttcttct atactactat tgacaaacca attcacacac tctggcggat agcctagcac 180
aattccaagt gcataatctt ctccgtgttt tcttga 216

<210> 705
<211> 216
<212> DNA
<213> Artificial Sequence

<400> 705
ttatatgcga ttaaacccac ctactaaaca attacaagtg gatatacgag cgggcaaggt 60
ccttcacttt aacaaccctc tattgacaag agccgtgtac aacgcattta caaaagagtc 120
aaacgatgta attatgattg ataaacaagt taaccgcaac aagattgacc ctcttgacgc 180
gcttataaac gcgtacagtg aagcatactt ttatga 216

<210> 706
<211> 216
<212> DNA
<213> Artificial Sequence

<400> 706
caccatctaa tagtccacct accccatctg tagcctcgtc tgctccacct ttgatgtcac 60
taagtccatc actagcgttc tccattgagt taagagcttt acttgataat ttagcctgtg 120

actctaattt agatagggag attctagcct cctcaacttc tttagagttt tcaccgaact 180
cctgagaact catttcaata gcgcgctttt gtgcct   216

<210>   707
<211>   216
<212>   DNA
<213>   Artificial Sequence

<400>   707
gattaccgcg ccacctttta gagacattac accatctaat agtccaccta ccccatctgt 60
agcctcgtct gctccacctt tgatgtcact aagtccatca ctagcgttct ccattgattt 120
aagagctgta cttgataatt tagcctgtga ctctaattta gatagggaga ttctagcctc 180
ctcaacttct ttagagtttt caccgaactc ctgaga   216

<210>   708
<211>   216
<212>   DNA
<213>   Artificial Sequence

<400>   708
gtcaaaacat atagttgacc gtctccgttg aacacggggt actctttgcc aaacctccaa 60
tttacactat taaactcacc tgtgtaaatt aaaacatctc cgacttttag ttcattaact 120
ttaaccagtg ttttcctcct taatattcaa cactaacaat gtagtacggt tgtattacta 180
cattcacggg cacagagctt agtagcataa tctgaa   216

<210>   709
<211>   216
<212>   DNA
<213>   Artificial Sequence

<400>   709
tacttgataa tttagcctgt gactctaatt tagataggga gattctagcc tcctcaactt 60
ctttagagtt ttcaccgaac tcctgagacc tcatttcaat agcgcgcttt tgtgcctcaa 120
tagctttctc agttaaggag attgaacgtt ttagaccctc ctgtttagcc tcaagtgcgc 180
ccgctgagtc ccctgcgtct tttagtgctt ttactt   216

<210>   710
<211>   216
<212>   DNA
<213>   Artificial Sequence

<400>   710
attattgttg ctgattgcgt ctattgtgac ggaatattta actcctgctg gcaagtagtt 60
ggttaataag tcattgctat tatagtctct tctgttagtt gatgagtcgt taaacaacac 120
tcgcatggtc ccgtttgaat attctatagt cgcaccattt cctgtccaac cattaatagt 180
ggggtctttc gagaaatcat aattcaatac taaatt   216

<210>   711
<211>   216
<212>   DNA
<213>   Artificial Sequence

<400>   711
tagttttaag tgtccagagc gtttgtttga ttatgcaaaa acctatatga aagagtatca 60
taatgtagag ttgcattatg atactaagac agaagatatt tttgttataa gaaatgatat 120
gttcctatgg gaataatgtc taataaggag gaaaaataaa tgattactgt aacgattaat 180
aaatggcgaa aagcaaaagt gacacctgtt attgtt   216

<210>   712
<211>   216
<212>   DNA
<213>   Artificial Sequence

<400>   712
attattgttg ctgaatgcgt ctattgtgac ggaatattta actcctgctg gcaagtagtt 60

ggttaataag tcattgctat aatagactat tctgttagtt gatgagtcgt taaacaacac 120
tcgcatgttc ccgtttgaat attctatagt cgcaccattt cctgtccaac cattaatagt 180
ggggtctttc gagaaatcat aattcaatac taaatt   216

<210>   713
<211>   216
<212>   DNA
<213>   Artificial Sequence

<400>   713
aataaacaat tctttttcag ggataggaat aacccacgta acagcggtca agtcatttac 60
tcgtgctagg tctataccaa taaatactac acgccctgtg atgtcaaact cctcgtctgt 120
gtacgccttt tcccactcgt ctacagaaat gtatgacgtt gcttggtccg caacccaaaa 180
attaagctcc ttagttagga agttggtgag attacc   216

<210>   714
<211>   216
<212>   DNA
<213>   Artificial Sequence

<400>   714
tggacaatga aatctaagga agtcctacac attcgtgcag gttccaagac tagttacaag 60
tcatacggtc tgttacctaa gggcgtcacg tttgaaacaa ccaaacgtca aacgggtcaa 120
aagattaata aaaacaacca atggtattat gtaactaaga actcaggtaa gaaaatacct 180
gcctcaggat gggtcagtgg atattaccta caaaac   216

<210>   715
<211>   216
<212>   DNA
<213>   Artificial Sequence

<400>   715
gttacccaat ctttgaaatc accaacgcag aagaaaacgg tatgattgct gttatgaacg 60
aaaacggtaa agtcctacag tttggcaagg aagaaaacaa agacgctaca gagccaatta 120
aagacgaaat tggtctaaat gaaaactaca gaggtacgaa attgccaact ggtttcaccg 180
tcaatagtgg gcacgtatca cagtacccaa atacgt   216

<210>   716
<211>   216
<212>   DNA
<213>   Artificial Sequence

<400>   716
acaaatggga tatacagcag atgaggcatt tagtacaatg cttgcgggtc ttgacggtgg 60
agcatataac cttgataagg tgaacgacat agtaaaagaa attggtatct ctattgttga 120
cggacggcta gatgacaaca tggatatgtt ttctcagaaa acaagagacg tttttcaagc 180
attcaaagac ggcaaagcga cacaggctga tgttac   216

<210>   717
<211>   216
<212>   DNA
<213>   Artificial Sequence

<400>   717
tatgacacct gttattaatg aaagcaatga gacccgtacc attaccatct gcatggtcaa 60
cggacgctct tacacatata agggttcccc agagtttgtt attgaacgta tgcaaacagg 120
agaggttatt cagattatgc tactaagctc tgtgcccgtg aatgtagtaa tacaaccgta 180
ctacattgtt agtgttgaat attaaggagg aaaaca   216

<210>   718
<211>   216
<212>   DNA
<213>   Artificial Sequence

<400>   718

tcgttttggt atggagttag taaactcaca agacggaaca caaaactcta tttacattgc 60
tagtacctta tcaggatatg cgagaatgtt atgtgatgag ttaaatctta aattaaatat 120
tgacgtggaa ctagactttg ctagtttatt aaacgataca ttagacgaac gcaaaaaacg 180
aatgtttgag ggtacagcca aaggcattga gtatct   216

<210>   719
<211>   216
<212>   DNA
<213>   Artificial Sequence

<400>   719
tcttgacccg catatacgca agagatgttt atccatgcgc ctgacggaat cgcactatct 60
actgtagtac catacctact tactagaagt gcaccatcct tgcgcacttc tagtagtagc 120
ctgttcagtc cagaaccttg atgaatgagt gttacgttat tcaatggtct agcccaaact 180
ggtagaggtt ggttaatgac atattgacct gcgcta   216

<210>   720
<211>   216
<212>   DNA
<213>   Artificial Sequence

<400>   720
caccatctaa tagtccacct accccatctg tagcctcgtc tgctccacct ttgatgtcac 60
taagtccatc actagcgttc tccattgagt taagagcttt acttgataat ttagcctgtg 120
actctaagtt agatagggag attctagcct cctcaacttc tttagagttt tcaccgaact 180
cctgagaact catttcaata gcgcgctttt gtgcct   216

<210>   721
<211>   216
<212>   DNA
<213>   Artificial Sequence

<400>   721
aataaacaat tctttttcag ggataggaat aacccacgta acagcggtca agtcatttac 60
tcgtgctagg tctataccaa taaatactac acgccctgtg atgtcaaact cctcgtctgt 120
gtacgccatt tcccactcgt ctacagaaat gtatgacgtt gcttggtccg caacccaaaa 180
attaagctcc ttagttagga agttggtgag attacc   216

<210>   722
<211>   216
<212>   DNA
<213>   Artificial Sequence

<400>   722
gtaacatcag cctgtgtcgc tttgccgtct ttgaatgctt gaaaaacgtc tcttgttttc 60
tgagaaaaca tatccatgtt gtcatctatc cgtccgtcaa caatagagat accaatttct 120
tttactatgt cgttcacctt atcaaggtta tatgctccac cgtcaagacc cgcaagcatt 180
gtactaaatg cctcatctgc tgtatatccc atttgt   216

<210>   723
<211>   216
<212>   DNA
<213>   Artificial Sequence

<400>   723
cttttagaga acgctactgt atagaagaga aacagtattt aggtggacgg tcttataatg 60
cgattgtggg atatagaaac actgaggact taaatgagct actcaaagaa cacagcgttg 120
ctattaatcg tgacaacaaa ctcatcccat cagatattgt gtataaagtc aagtcaccat 180
caatggttaa gaaactacgc acacatagag tatatg   216

<210>   724
<211>   215
<212>   DNA
<213>   Artificial Sequence

<400> 724
gcggcaattg aattgattga atcgcacaaa accaaagaag agtttatgaa agactataag 60
ctactagtag aattaattcg tctattatgt gatgaagcgg gactacctaa gacgctagac 120
caagggacta caggtgtcat ttctcacgca tatgcaacgg cacatcaacc aaacaatggt 180
tctgaccata ttgaccccta tccatacttg cgtaa 215

<210> 725
<211> 215
<212> DNA
<213> Artificial Sequence

<400> 725
cccacatttc cataactgta acccatccgt caccactacc attataaccg ttgctagggt 60
cattcatgtc aacaagaacc catccaccca ttaaattaga tggtaggaaa aacccaccat 120
attcgcggac ccatattgaa tggagtaagt tatcttctgt aggtatagtt ttcttagtca 180
tatttacaag tttcataagc agttacctcc tataa 215

<210> 726
<211> 215
<212> DNA
<213> Artificial Sequence

<400> 726
gagttaaatc ttaaattaaa tattgacgtg gaactagact ttgctagttt attaaacgat 60
acattagacg aacgcaaaaa acgaatgatt gagggtacag ccaaaggcat tgagtatctt 120
aaacctaacg aggtacgcgc ctactatggt tatcctgaaa cagacgagag tcagttttct 180
agaatgacag gctcacgtat taatgtttca cgtga 215

<210> 727
<211> 215
<212> DNA
<213> Artificial Sequence

<400> 727
gtacattttg atgataataa ttaaataaca aaaataataa aataacaaag ggtggtgtac 60
ggtttttaa gcgttggggg acaagggatt gagacatttt tggtacaaat gtacacgatt 120
gtaccatttt tttggtacgg ttaaatacca cgtgtgtcgt ggggtttact tatgttcttt 180
tattctttat tatttttat tactttatat aaaga 215

<210> 728
<211> 215
<212> DNA
<213> Artificial Sequence

<400> 728
agcacccgca aagtgtccgc caaagcgcgc gtcatattca gccttaccct tttcattcac 60
cttaatgcgt gtagccgtaa tttgttgatt aaatacctct ggttctaaat tataagggtt 120
caattcatca atgaaaatca actgtttgtc aactagtaac gcactattaa actcaccttt 180
tgtgttaaat gcgcggttag atgggagttc tgtgt 215

<210> 729
<211> 215
<212> DNA
<213> Artificial Sequence

<400> 729
ttaaaggaac acagtacatc ataggacaaa actacacgca tagtatttat gtaaaaaaca 60
acggtgataa acctatttct atttcaatca gaatgggagt gggtaaaaca atagatccca 120
atgagagtaa gtacattagc tttgaaccaa cgtacaccat gggttcaaca gatatggggt 180
ttaatttcta ctctgacgca acaggggact tacct 215

<210> 730
<211> 215
<212> DNA
<213> Artificial Sequence

<400> 730
ggatggagta caacacgtcc aacacctcaa attggtatgt ggttgtgggt aaggagtaga 60
aatacgcttt caaatggtac gtatacacat tgggtagtaa ctagctcata cacgggtaga 120
gactcaattt ttattagtgc tacagctcca agtaacccaa ctacagggac attatggcaa 180
aaacctaatg accctactgt gctaaaatgg aacgg 215

<210> 731
<211> 215
<212> DNA
<213> Artificial Sequence

<400> 731
ctgtataggc tactgatgtt gtaccatcag tgtactccca cgttgtacgt gtccataggt 60
atttaccttt ttctagagtt gggatgggtg tactccatcc tgatgtaggt tcatcaacgc 120
ttgaggtatt gattgcccac tctgttttag ttgatttgac ggaggcgccc ttttgtcccg 180
gtgttctcat ccacgtgtac ttacttgggt ccgtg 215

<210> 732
<211> 215
<212> DNA
<213> Artificial Sequence

<400> 732
ttgaaataga aataggttta tcaccgttgt tttttacata tatactatgc gtgtagtttt 60
gtcctatgat gtactgtgtt cctttaagtt ctaacacacc tatgagatta ttacttgtgt 120
tcttagttac cttataattg acagcattac tagcacccca ttctggtaca gaaacccctg 180
ttgttcgtgt aaattcacta gttccgtcag acact 215

<210> 733
<211> 215
<212> DNA
<213> Artificial Sequence

<400> 733
tctggacatt tacagataat agtaaccaaa caacctactc agtggcgcgc tttggtcagg 60
atggtattag tgtgactggt actcaatcag agtatgtaca aacaactagt tctgtagaac 120
ctacctctgg atggagtaca acacgtccaa cacctcaaat tggtatgtgg ttgtgggtaa 180
ggagtagaaa tacgctttca aatggtacgt ataca 215

<210> 734
<211> 215
<212> DNA
<213> Artificial Sequence

<400> 734
caacaaatta cggctacacg cattaaggtg aatgaaaagg gtaaggctga atatgacgcg 60
cgctttggcg gacactttgc gggtgctcgt aatgatgtat ttaaagtacg tgacgcctca 120
gatggttcgt taagacgtat tttgccaatt attttcaata agcaagtgac aaaaggtgat 180
gacaaagtaa cgtttatgcg tcaatttaac cctga 215

<210> 735
<211> 215
<212> DNA
<213> Artificial Sequence

<400> 735
ggtaaaattg cctattaata cattgtttgg tgccacaggt gcagagttta atgggttata 60
tgacccacgt tttcaatttc taacatgggt gattgggcaa ttaattatgg ctgacttcta 120
cgagggaatt agggaccatg ttaccatgtt acagagcaac acagactgtc acgcctacat 180
tcctcatgat gaggaggctg aacgtattac agacg 215

<210> 736
<211> 215
<212> DNA

<213> Artificial Sequence

<400> 736
tacaggtgtc atttctcacg catatgcaac ggcacatcaa ccaaacaatg gttctgacca 60
tattgacccc tatccatact tgcgtaactg gggaattagt aaagagcagt ttgctaaaga 120
cattaaaaat gggtttggtg gaaatagttc caatactgac aacaaaccta aaccaaaacc 180
acaaccgtct aaaccaaaaa tcacagacac acgtg   215

<210> 737
<211> 215
<212> DNA
<213> Artificial Sequence

<400> 737
ctgtataggc tactgatgtt gtaccatcag tgtactccca cgttgtacgg gtccataggt 60
atttaccttt ttctagagtt gggatgggtg tactccatcc tgatgtaggt tcatcaacgc 120
ttgaggtctt gattgcccac tctggtttag ttgatttgac agaggcgcca ttttgtcccg 180
ttgttctcat ccacgtgtac ttacttgggt ccgtg   215

<210> 738
<211> 215
<212> DNA
<213> Artificial Sequence

<400> 738
cctgtatact aaaagcatta gttgcccctg cggttatacc ctcaaattta tacgttgaag 60
gtgtgtcacc ttgttttatt gtttgccatg tactgagagc gtcaaaatta cctaccctaa 120
ttaacccttt attgttgctg aatgcgtcta ttgtgacgga atatttaact cctgctggca 180
agtagttggt taataagtca ttgctataat agact   215

<210> 739
<211> 215
<212> DNA
<213> Artificial Sequence

<400> 739
tcacgtgaaa cattaatacg tgagcctgtc attctagaaa actgactctc gtctgtttca 60
ggataaccat agtaggcgcg tacctcggta ggtttaagat actcaatgcc tttggctgta 120
ccctcaaaca ttcgtttttt gcgttcgtct aatgtatcgt ttaataaact agcaaagtct 180
agttccacgt caatatttaa tttaagattt aactc   215

<210> 740
<211> 215
<212> DNA
<213> Artificial Sequence

<400> 740
tcacgtgaaa cattaatacg tgagcctgtc attctagaaa actgactctc gtctgtttca 60
ggataaccat agtaggcgcg tacctcggta ggtttaagat actcaatgcc tttggctgta 120
ccctcaatca ttcgtttttt gcgttcgtct aatgtatcgt ttaataaact agcaaagtct 180
agttccacgt caatatttaa tttaagattt aactc   215

<210> 741
<211> 215
<212> DNA
<213> Artificial Sequence

<400> 741
ggtaaaattg cctattaata cattgtttcg tgccacaggt gcagagttta atggtttata 60
tgacccacgt tttcaatttc taacatgggt gattgggcaa ttaataatgg ctgaaatcta 120
cgagggactt agggaccatg ttacaatgtt acagagcaac acagactgtc acgcctacat 180
tcctcatgat gaggaggctg aacgtattac agacg   215

<210> 742
<211> 214

<212> DNA
<213> Artificial Sequence

<400> 742
tatatgacac ctgttattaa tgaaaccaat gagacccgta ccattaccat cagcatggtc 60
aacggacgct cttacacata taaggggtcc ccagagtttg ttattgaacg tatgcaaaca 120
ggagaggttt ttcagattat gctactaagc tctgtgcccg tgaatgtagt aatacaaccg 180
tactacattg ttagtgttga atattaagga ggaa   214

<210> 743
<211> 214
<212> DNA
<213> Artificial Sequence

<400> 743
attccccgta ctgtgtacgt gaatttgtcc atacggtctt acccctactt gtggtaaacc 60
tgagcgcatt tgtttttcaa ttttcattga atcattctcc tttctatctc taatcattat 120
aacacaataa aggaggctta agcctcctta ggttatgcta aacgcccttg acgtctgtta 180
gataccattt gtccgcgttg cttatcttta gtta   214

<210> 744
<211> 214
<212> DNA
<213> Artificial Sequence

<400> 744
acattcagtt ccaacccaaa ctctggtggc aatggctacg gtgcagagta tagtagtaca 60
ggtttgcgtc taacagattc gcgcgtgtca ttaggtaact caaagctgga aattcatgat 120
ttaattaaag ttgaaacaac catgttggac cctgcgtcag gttggcaaag atatagtgat 180
gttatgggat acactaacac acctacagcc acgc   214

<210> 745
<211> 214
<212> DNA
<213> Artificial Sequence

<400> 745
tatatgacac ctgttattaa tgaaagcaat gagacccgta ccattaccat ctgcatggtc 60
cacggacgct cgtacacata tacgggttcc ccagagttgg ttattgaacg tctgcaaaca 120
tgagaggatt ttcagattat gctactaagc tctgtgcccg tgaatgtagt aatacaaccg 180
tactacattg ttagtgttga atattaagga ggaa   214

<210> 746
<211> 214
<212> DNA
<213> Artificial Sequence

<400> 746
gataggtcta tcacctttag acaattcctc tactaatcta ttacacgttt ctttatattg 60
atagccaata acaacgcgtt ctcctttagt ttcttctagt atgtctttta gacggtctgt 120
cttgctgatt ttagctactt tacttacata tggtataaaa ccattagacg caaccctaag 180
tgcgttaaac agcttgctag ggttatctaa ttca   214

<210> 747
<211> 214
<212> DNA
<213> Artificial Sequence

<400> 747
ctgtatacta aaagcattag ttgcccctgc ggttataccc tcaaatttat acgttgaagg 60
tgtgtcacct tgttttattg tttgccatgt actgagagcg tcaaaattac ctaccctaat 120
taacccagta ttgttgctga atgcgtctat tgtgacggaa tatttaactc ctgctggcaa 180
gtagttggtt aataagtcat tgctataata gact   214

<210> 748

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

<400> 748
tattgaacgt atgcaaacag gagaggtttt tcagattatg ctactaagct ctgtgcccgt 60
gaatgtagta atacaaccgt actacagtgt tagtgttgaa tattaaggag gaaaacaatg 120
gttaaagtta atgaactaaa agtcggagat gttttaattt acacaggtga gtttaatagt 180
gtaaattgga ggtttggcaa agagtacccc gtgt   214

<210> 749
<211> 214
<212> DNA
<213> Artificial Sequence

<400> 749
acgcgcgaat ctgttagacg caaacctgta ctactatact ctgcaccgta gccattgcca 60
ccagagtttg ggttggaact gaatgtgtgt agatttagtg cgtcagggtc tagatataat 120
tgattgtagt ttgtgttacc tgcttcatta gttgtagcca tgagtatata gtttgctgcc 180
ataatttgac gatgtgcgtt tttaaacact cctg   214

<210> 750
<211> 214
<212> DNA
<213> Artificial Sequence

<400> 750
tgtagtacgg ttgtattact acattcacgg gcacagagct tagtagcata atctgaaaaa 60
cctctcctgt ttgcatacgt tcaataccaa actctgggga acccttatat gtgtaagagc 120
gtccgttgac catgcagatg gtaatggtac gggtctcatt gctttcatta ataacaggtg 180
tcatataatc atctaccttt ttcacgtttc caaa   214

<210> 751
<211> 214
<212> DNA
<213> Artificial Sequence

<400> 751
gttgcctgac tgtaaatagc gtaagtatta caataaatga ctagcatgcc agcgtctagt 60
tttgaaattg gtagctgttt aagttgagga acaaggtcct cgtaaatcaa ccacccttcc 120
ttagtaattc cctcaggaat atcgtctaat gaaagttgtt cataattata taactcttgt 180
tcttcttgct cgcgctcaat acgctcctct tttg   214

<210> 752
<211> 214
<212> DNA
<213> Artificial Sequence

<400> 752
cacagcgttg ctattaaacg tgacaacaaa ctcatcccat cagatattgt gtataaagtc 60
aagtcaccat caatggttaa gaaactacgc acacatagag tatatgaaac agactcaggt 120
gacataagtg aattagataa ccctagcaag ctgtttaacg cacttagggt tgcgtctaat 180
ggttttatac catatgtaag taaagtagct aaaa   214

<210> 753
<211> 214
<212> DNA
<213> Artificial Sequence

<400> 753
ctgtatacta aaagcattag ttgcccctgc ggttataccc tcaattttat acgttgaagg 60
tgtgtcacct tgttttattg tttgccatgt actgagagcg tcaaaattac ctaccctaat 120
taacccaata ttgttgctga atgcgtctat tgtgacggaa tatttaactc ctgctggcaa 180
gtagttggtt aataagtcat tgctataata gact   214

<210>   754
<211>   214
<212>   DNA
<213>   Artificial Sequence

<400>   754
acaacgggtg gtggtattgt tcagaaagag gctaacgata gaacacccta tagacaatat 60
tccaaacagg ggtattgtga aatttcttcc cgtcctgacg gtcagtgtga ttgggaggat 120
atgttaactt gggttttggc gtttattgag acaaacaatt tagacgtaca aggtatttgt 180
tatgaccctg cacagtctca attaattacc acaa   214

<210>   755
<211>   214
<212>   DNA
<213>   Artificial Sequence

<400>   755
attccccgta ctgtgtacgt gaatttgtcc atacggtctt acccctactt gtggtaaacc 60
tgagcgcatt tgtttttcaa ttttcagtga atcattctcc tttctatctc taatcattat 120
aacacaataa aggaggctta agcctcctta ggttatgcta aacgcccttg acgtctgtta 180
gataccattt gtccgcgttg cttatcttta gtta   214

<210>   756
<211>   214
<212>   DNA
<213>   Artificial Sequence

<400>   756
ttcctcctta atattcaaca ctaacaatgt agtacggttg tattactaca ttcacgggca 60
cagagcttag tagcataatc tgaaaatcct ctcctgtttg catacgttca ataacaaact 120
ctggggaccc cttatatgtg taagagcgtc cgttgaccat gcagatggta atggtacggg 180
tctcattgct ttcattaata acaggtgtca tata   214

<210>   757
<211>   214
<212>   DNA
<213>   Artificial Sequence

<400>   757
gttgcctgac tgtaaatagc gtaagtatta caataaatga ctagcatgcc agcgtctagt 60
tttgaaattg gtagctgttt aagttgagga acaaggtcct cgtaaatcaa ccacccttcc 120
ttagtaagtc cctcaggaat atcgtctaat gaaagttgtt cataattata taactcttgt 180
tcttcttgct cgcgctcaat acgctcctct tttg   214

<210>   758
<211>   214
<212>   DNA
<213>   Artificial Sequence

<400>   758
ttgtggtaat taattgagac tgtgcagggt cataacaaat accttgtacg tctaaattgt 60
ttgtctcaat aaacgccaaa acccaagtta acatatcctc ccaatcacac tgaccgtcag 120
gacgggacga aatttcacaa tacccctgtt tggaatattg tctatagggt gttctatcgt 180
tagcctcttt ctgaacaata ccaccacccg ttgt   214

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

<400>   759
tgacaagttc gtataccttg tccccaactt tacctaagaa cgtacctact ttattatcac 60
tatcaccact tttaaactct tgcgcgtgtg ggtaaatgac agagtatagt agaaattcac 120
gtacattatt agaaacatag tgccaaatgt tcgtatcttt gttcaatacc catgcactct 180
taccatctgt ggataagatg agggtagtat tat   213

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

<400>   760
tgcgtgagca aggtgttgat gaccgaacac tcacattata tgctaactat gcaatgctac 60
aggtggcaca acttctaaaa cttggttatg ttagtataga cgagtttatt gaaaaggcta 120
gagaggactt ataggaggta actgcttatg aaacttgtaa atatgactaa gaaaactata 180
cctacagaag ataacttact ccattcaata tgg   213

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

<400>   761
ttgtcaacta gtaacgcact attaaactca ccttttgtgt taaatgcgcg gttagatggg 60
agttctgtgt acatttttcc aaacaatggt gagcctatga ttttggtcat tagaatagac 120
tttccatgtc ctccgttgcg tgtaccgcgt gagacaacaa tttgagcatg aacagcctca 180
ggtttgttct catagacgca tgaccctatg aac   213

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

<400>   762
caacatcagt agcctataca gtgaactata ttcctgtaga tggctcaacc ggtaatggtg 60
tgaaatctat cgctgttact tacgctgtag gtacctcagg tacaacagca ccatccacag 120
gttggcacgc aacaccacca aatgtaacag gtggtcaata cctatggaca cgtattatct 180
ggacatttac agataatagt aaccaaacaa cct   213

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

<400>   763
ggagtacaac acgtccaaca cctcaaattg gtatgtggtt gtgggtaagg agtagaaata 60
cgctttcaaa tgctacgtat acaaagtggg taggaactag ctcatacacg ggtagagacg 120
caaattttat tagtgctcca gctccaagta acccaactac agggacatta tggcaaaaac 180
cgaatgaccc tactgtgcta acatggaacg gta   213

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

<400>   764
ataaagaaaa aaataaatac aatatataat atatacaaaa actgatataa tggtgtttat 60
ggtaggtgga aaatgtaatt gttttctata agagctgagg tcatcccaca acactacaat 120
ggttaaatca gggttgaaac attgatacac aaggcgtaaa acaggtttgt acaaaaagtg 180
tacacggttt ttgaatgtgt acaataataa caa   213

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

<400>   765
aacaaggtca ccctcattac ccgtgtgctc aaatagtcca ctattaaagg ctaaatcaat 60
aacaggtgtt ttactacgta ctagttcctc acgcatttcc ttagcctcat cagatagcgt 120
ccacacacac tcgtctgcgg taacgtcctc tctgcgtttc aatagttcag catactcctg 180

tacacaccat ctaataaact cagctttctc atg 213

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

<400> 766
gcacccagtt gtctgtactt gtgtttgtga ttgagacttt tccatcttcg cgcgtactat 60
catagtaggt aacacgcaca attaagtctg ttgttgctag actaccagtc caccccttag 120
agatgaatac actccctgat acagtgtacg ttgtaccgcg caaagcactg tagccatttg 180
ataggtatgc aggacgtatt gttgacactg ctg 213

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

<400> 767
ttgtcaacta gtaacgcact attaaactca ccttttgtgt taaatgcgcg gttagatggg 60
agttctgtgt acatttttcc aaacactggt gagcctatga ttttggtcat tagaatagac 120
tttccatttc ctccgttgcg tgtaccgcgt gagacaacaa tttgagcatg aacagcctca 180
ggtttgttct catagacgca tgaccctatg aac 213

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

<400> 768
tttgtccgcg ttgcttatct ttagttaaag cagggtttag ttccgcagta actttacgtt 60
tgtctaagta gacgtccgtg tccttgtcta gtaatgcttg taacagtgcg tttgtttgtt 120
gttgctgtac aatcaattga gcaattagct catcattaga accctgacca gctaccacgg 180
ttgtttgtga tacacctaac cgcttttgtg cct 213

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

<400> 769
cagcagtgtc aacaatacgt cctgcatacc tatcaaatgg ctacagtgct ttgcgcggta 60
caacgtacac tgtatcaggg agtgtcttca tctctaaggg gtggactggt agtctagcaa 120
caacagaatt aattgtgcgt gttacctact atgatagtac gcgcgaagat ggaaaagtct 180
caatcacaaa cacaagtaca gacaactggg tgc 213

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

<400> 770
agtttatcat ttgtgtcgtt tttaaagata gcgtcaggaa gtacaattac ctctttacca 60
aacaatgttt taccacttgc cattgctacg tttggttgaa taatgtatcg tccgtctgcg 120
tctttcatcg tatccaattg agcaaatgcg ctttgagaaa caaaaactcg ttgattgtaa 180
gcagggtcaa ttgttacgtt tgacgctgtt ttc 213

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

<400> 771
actcgtctgc ggtaacgtcc tctctgcgtt tcaatagttc agcatactcc tgtacacacc 60
atctaataaa ctcagctttc tcatggtcgt tgtttagtgc gtctctcatc tcagtagaca 120

catcagggtt aaattgacgc ataaacgtta ctttgtcatc acctttttgtc acttgcttat 180
tgaaaataat tggcaaaata cgtcttaacg aac   213

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

<400>   772
gtattatgac agtggggcag gacactcaag ctccttatgt ctctgttact tttgtatcag 60
atgacgcaga tggtaatgag gtatagatgg gactgactaa agttcgcttt gctcaccctg 120
acgttgcgtt gaatacctca gagggtggag gcactgaccc taatactgat actattgagg 180
ggtctgctat tagtgactca cgtggatatg tat   213

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

<400>   773
aaacggacgt agttctaatg tacgcatgtt tagcgcaccg ttttgaaaat acgcacattc 60
accaaggtat ctgtacttat cgttcgttct atcgttgaaa tatccctctt taaattgagg 120
gttacctatg acaagttcgt ataccttgtc cccaacttta cctaagaacg tacctacttt 180
attatcacta tcaccacttt taaactcttg cgc   213

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

<400>   774
gttgtttaga tgtttcattc ataaccttaa aggcgcctga tggtttccct ttttcgtcaa 60
gataaccgta ttcagatacc tcttgagttg cctgactgta aatagcgtaa gtattacaat 120
aaatgacgag catgccagcg tctagttttg aaattggtag ctgtttaagt tgtggaacaa 180
ggtcctcgta aatcaaccac ccttccttag taa   213

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

<400>   775
ccatattgaa tggagtaagt tatcttctgt aggtatagtt ttcttagtca tatttacaag 60
tttcataagc agttacctcc tataattcct ctctagcctt ttcaataaac tcgtctatac 120
taacataccc aagttttaga agttgtgcca cctgtagcat tgcatagtta gcatataatg 180
tgagtgttcg gtcatcaaca ccttgctcac gca   213

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

<400>   776
taagtatgct aaagcgggag taattacacc aatgatgaat cgtacccaga ataagatatt 60
gtccttgcta aacctcacgc gccaggtaat atttttcata tgtcagttcc cctttctaat 120
ctattatatc atatatttaa ccagtgatga atgccaaaat tgcacccact acaccagtga 180
taattgctcc tacggttgtt ctagtaagcc atg   213

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

<400>   777
cgtatccaat tgagcaaatg cgctttgaga aacaaaaact cgttgattgt aagcagggtc 60

aattgttacg tttgacgctg ttttctattg atcaagagaa gttacttctg ttgcttcgaa 120
cttagctagt aactcagtca ttactgcttt attgattgtg ttcaacccaa tacgtgttaa 180
gtggcgagca atcaacgcaa ctaagtcagg gtc 213

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

<400> 778
ttcccatcca tgtgaatctt gaatctgtca cctgcatttt tgcaacaata gagtaggtct 60
ctttcttctt gtgttccaca cgtttagtgt tttgtaggta atatccactg acccatcctg 120
aggcagggat tttcttacct gagttcttag ttacataata ccattggttg tttttaataa 180
tcttttgacc cgtttgacgt ttggttgttt caa 213

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

<400> 779
cttgaaaagc tagagaaaaa aggagctgat taacacatgg tgcaaagcgg aaaaccagta 60
ggaaatatga agtttggttt aggtaatgac ggaaccgctg aactaggtaa tacacttgac 120
aaactaacaa aacaattcaa acaagctgaa agctccatga aggcaaacat caaagcgttt 180
gacggtgcct ctgatagtgt agaggcattg gaa 213

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

<400> 780
attatgtgtt tcccatttgt ctatgaccat ttgctgttgt tccgttggta ttaacattat 60
attacctcct ccacattagt ctatcatgaa accatgtagg gttgttgtgt tgggtagtag 120
gttatatatt gttattattg tacacattca aaaaccgtgt acacttttg tacaaacctg 180
ttttacgcct tgtgtatcaa tgtttcaacc ctg 213

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

<400> 781
ctgagcgcat ttgtttttca attttcattg aatcattctc ctttctatct ctaatcatta 60
taacacaaaa aaggaggctt aagcctcctt aggttatgct aaacgccctt gacgtctgtt 120
agataccctt tgtccgcgtt gcttatcttt agttaaagca gggtttagtt ccgcagtaac 180
tttacgtttg tctaagtaga cgtccgtgtc ctt 213

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

<400> 782
taagtatgct aaagcgggag taattacacc aatgatgaat cgtacccaga ataagatatt 60
gtccttgcta aacctcacgc gccagttaat atttttcata tgtcagttcc cctttctaat 120
ctattatctc atatatttaa ccagtgatga atgccaaaat tgcacccact acaccagtga 180
taattgctcc tacggttgtt ctagtaagcc atg 213

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

<400> 783

cagcagtgtc aacaatacgt cctgcatacc tatcaaatgg ctacagtgct ttgcgcggta 60
caacgtacac tgtatcaggg agtgtcttca tctctaaggg gtggactggt agtctagcaa 120
caacagactt aattgtgcgt gttacctact atgatagtac gcgcgaagat ggaaaagtct 180
caatcacaaa cacaagtaca gacaactggg tgc   213

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

<400>   784
cgcgtcaaac gttccgtttt tcgtatctgc taaaggtaca ggtgaaacaa ccgtatcatt 60
gaatgttttc gacttacaag cgggtggagc atatagtgct gttttaggta ttaccgcaga 120
cgaaaattgt attatgacag tggggcagga cactcaagct ccttatgtct ctgttacttt 180
tgtatcagat gacgcagatg gtaatgaggt ata   213

<210>   785
<211>   213
<212>   DNA
<213>   Artificial Sequence

<400>   785
ttgtcaacta gtaacgcact attaaactca ccttttgtgt taaatgcgcg gttagatggg 60
agttctgtgt acatttttcc aaacactggt gagcctatga ttttggtcat tagaatagac 120
tttccatgtc ctccgttgcg tgtaccgcgt gagacaacaa tttgagcatg aacagcctca 180
ggtttgttct catagacgca tgaccctatg aac   213

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

<400>   786
taagtatgct aaagcgggag taattacacc aatgatgaat cgtacccaga ataagatatt 60
gtccttgcta aacctcacgc gccaggtaat atttttcata tgtcagttcc cctttctaat 120
ctattatctc atatatttaa ccagtgatga atgccaaaat tgcacccact acaccagtga 180
taattgctcc tacggttgtt ctagtaagcc atg   213

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

<400>   787
tgcgtgagca aggtgttgat gaccgaacac tcacattata tgctaactat gcaatgctac 60
aggtggcaca acttctaaaa cttgggtatg ttagtataga cgagtttatt gaaaaggcta 120
gagaggactt ataggaggta actgcttatg aaacttgtaa atatgactaa gaaaactata 180
cctacagaag ataacttact ccattcaata tgg   213

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

<400>   788
tgtacgtgtc cataggtatt taccttttc tagagttggg atggttgtac tccatcctga 60
tgtaggttca tcaacgcttg aggtattgat tgcccactct gttttagttg atttgacaga 120
ggcgccagtt tgtcccgttg ttctcatcca cgtgtactta cttgggtccg tgctagggtc 180
gtgagtatag ttactatatt gacccatata ta   212

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

<400>   789
tgtgctaaga accatgagtt aataccatca acaagaaacg catatttact tacagattga 60
ttaactgttt tacgttcttt tactttgtat gttttacctt ttacaaagtt tggcactggt 120
tgacccggtt ggtatttagt tgctttggcg cgtactttta ctttactacc tacagggaaa 180
tcacgtgtgt ctgtgatttt tggtttagac gg   212

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

<400>   790
agtgctgttt taggtattac cgcagacgaa aatggtatta tgacagtggg gcaggacact 60
caagctcctt atgtctctgt tactattgta tcagatgacg cagatggtaa tgaggtatat 120
atgggactga ctaaagttcg ctttgctcac cctgacgttg cgttgaatac ctcagagggt 180
ggaggcactg accctaatac tgatactatt ga   212

<210>   791
<211>   212
<212>   DNA
<213>   Artificial Sequence

<400>   791
gggttacttg gagctgtagc actaataaaa attgagtctc tacccgtgta tgagctagtt 60
actacccaat ttgtatacgt accaattgaa agcgtatttc tactccttac ccacaaccac 120
ataccaattt gaggtgttgg acgtgttgta ctccatcctg aggtaggttc tacagaacta 180
gttgtttgta catactctga ttgagtacca gt   212

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

<400>   792
caaattaaat gccacagttt cttctagtaa aatattcatg gtgacctctc ctctttaccc 60
ctcatgtctc tcattaacaa catactcaaa gtcacttgca aatagcggaa tcattagttc 120
tccatcaacg tcacagtgca atagaggtgt acggtattgg tagtcaataa aaatggtgtc 180
tgtttcctta tctacatatg caaaacaacc cg   212

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

<400>   793
ccgtctaaac caaaaatcac agacacacgt gatttccctg taggtagtaa agtaaaagta 60
cgcgccaaag caactaaata ccaaacgggt caaccagtgc caaactttgt aaaaggtaaa 120
acatacacag taaaagaacg taaaacagtt aatcaatctg taagtaaata tgcgtttctt 180
gttgatggta ttaactcatg gttcttagca ca   212

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

<400>   794
agtaacagag acataaggag cttgagtgtc ctgccccact gtcataatac cattttcgtc 60
tgcggtaata cctaaaacag cactctatgc tccacccgct tgtaagtcga aaacattcaa 120
tgatacggtt gtttcacctg tacctttagc agatacgaaa aacggaacgt ttgacgcgta 180
gactgtagta gcctccgctc ctagtccact ga   212

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

<400>   795
actggtactc aatcagagta tgtacaaaca actagttctg tagaacctac ctcaggatgg 60
agtacaacac gtccaacacc tcaatttggt atgtggttgt gggtaaggag tagaaatacg 120
ctttcaaatg gtacgtatac aaattgggta gtaactagct catacacggg tagagactca 180
atttttatta gtgctacagc tccaagtaac cc   212

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

<400>   796
tcaagataac gcagtagaca cgttacagaa ccaagttgac tacatgagta aaatgataaa 60
tagactagca tacaatcaaa gttaggagcg ggaacgaatg ccaatgaatg aggacaactt 120
tatcaaactg caattaacca tggagcgtat tgacgcacgt ttagaggacg tgagagagat 180
taaaaaagag ctgtctggtg cccgtcaaca aa   212

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

<400>   797
cgggttgttt tgcatatgta gataaggaaa cagacaccat ttttattgac taccaatacc 60
gtacacctct attgcactgt gacggtgatg gagaactaat gattccgcta tttgcaagtg 120
actttgatta tgttgttaat gagagacatg aggggtaaag aggagaggtc accatgaata 180
ttttactaga agaaactgtg gcatttaatt tg   212

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

<400>   798
ttgttgacgc gcttgcacga acgttcatga cgcctttagt agtagcctta gcattttcag 60
ttgtccattt aaggactcct gacggtttag agctattacc catgttagat gacgccgtgt 120
ctaggtcgtg tgctaagaac catgagttaa taccatcaac aagaaacgca tatttactta 180
cagattgatt aactgtttta cgttctttta ct   212

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

<400>   799
atggttggac aggaaatggt gcgactatag aatattcaaa cgggaacatg cgagtgttgt 60
ttaacgactc atcaactaac agaagagtct attatagcaa tgacttatta accaactact 120
tgccagctgg agttaaatat tccgtcacaa tagacgcatt cagcaacaat aatgggttaa 180
ttagggtagg taattttgac gctctcagta ca   212

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

<400>   800
tgtactgaga gcgtcaaaat tacctaccct aattaaccca ttattgttgc tgaatgcgtc 60
tattgtgacg gaatatttaa ctccagctgg caagtagttg gttaataagt cattgcaata 120
atagactatt ctgatagttg atgagtcgtt aaacaacaca cgcatgttcc cgtttgaata 180
ttctatagtc gcaccatttc ctgtccaacc at   212

<210>   801
<211>   212
<212>   DNA

<213> Artificial Sequence

<400> 801
tgcaattaac catggagcgt attgacgcac gtttagagga cgtgagagag attaaaaaag 60
agctgtctgg tgcccgtcaa caaaacgcgg acctagacaa acgtctttcg cagtcaattg 120
accatgttaa caaactagag gacgacatca aagagctaga atcacgtaac acatggctta 180
ctagaacaac cgtaggagca attatcactg gt   212

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

<400> 802
tgtacgtgtc cataggtatt tacctttttc tagagttggg atggttgtac tccatcctga 60
tgtaggttca tcaacgcttg aggtcttgat tgcccactct gttttagttg atttgacaga 120
ggcgccagtt tgtcccgttg ttctcatcca cgtgtactta cttgggtccg tgctaggttc 180
ttgagtatag ttactatatt gacccatata ta   212

<210> 803
<211> 212
<212> DNA
<213> Artificial Sequence

<400> 803
aatttagtat tgaattatga tttctcgaaa gaccccacta ttaatggttg gacaggaaat 60
ggtgcgacta tagaatattc aaactggaac atgcgagtgt tgtttaacga ctcatcaact 120
aacagaagag tctattatag caatgactta ttaaccaact acttgccagc aggagttaaa 180
tattccgtca caatagacgc attcagcaac aa   212

<210> 804
<211> 212
<212> DNA
<213> Artificial Sequence

<400> 804
gggttacttg gagctgtagc actaataaaa attgagtctc tacccgtgta tgagctagtt 60
actacccaat ttgtatacgt accaattgaa agcgtatttc tactccttac ccacaaccac 120
ataccaaatt gaggtgttgg acgtgttgta ctccatcctg aggtaggttc tacagaacta 180
gttgtttgta catactctga ttgagtacca gt   212

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

<400> 805
tgtgctaaga accatgagtt aataccatca acaagaaacg catatttact tacagattga 60
ttaactgttt tacgttcttt tactgtgtat gttttacctt ttacaaagtt tggcactggt 120
tgacccggtt ggtatttagt tgctttggcg cgtactttta ctttactacc tacagggaaa 180
tcacgtgtgt ctgtgatttt tggtttagac gg   212

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

<400> 806
cgggttgttt tgcatatgta gataaggaaa cagacaccat ttttattgac taccaatacc 60
gtacacctct attgcactgt gacggtgatg gagaactaat gattccgcta tttgcaagtg 120
actttgagta tgttgttaat gagagacatg aggggtaaag aggagaggtc accatgaata 180
ttttactaga agaaactgtg gcatttaatt tg   212

<210> 807
<211> 211

<212> DNA
<213> Artificial Sequence

<400> 807
gaaatgtttt tagaccatga gtttgaccta aataaaaaag gtaagcccgt agctaaagga 60
acgtatactg accctaatac tgggtatgtt atggagtttg gcgcgggagg tgtccacgga 120
gctgttgaac agcttattca cattggacgc tttctcatgc gtgactacgg tagtttgtac 180
cctaatgtgt atgtgaattt tgatgttctt t   211

<210> 808
<211> 211
<212> DNA
<213> Artificial Sequence

<400> 808
tccagatgtg cccacgcggt cacgtacttt attcagagca ataacgtagc caacttgtga 60
tttaaagtta tcaaaagcat agtgacccgc ttgacggtat ttacttgacc cgttcatgct 120
tgcaggaaat gctacgtcaa tagcgtttct tgaaccgtga ctatatgggt ctcctggtct 180
atatccactt gttacgcgca taccagggta t   211

<210> 809
<211> 211
<212> DNA
<213> Artificial Sequence

<400> 809
gtttatcttt caaactatat tcaattccct cattaacata gtcacgttca aaacggtcat 60
agtagaacca ttcatcaata ccatcaacct gcacgaaaag gctgcctact ccaacaatgg 120
tatatcgatt acctttttcc aatatatctt ctacacataa agtgtctaca catactactc 180
tgtgacctac ctcaaacata ttactcattg c   211

<210> 810
<211> 211
<212> DNA
<213> Artificial Sequence

<400> 810
agatgtcact aaagtctaca taattatcac tcattttacc acctcattta aaacgtcctc 60
tttagaaacc tccttagcaa tcaaagtatc aaagtctttg ctgtatgttc cacgtgaaac 120
atcctcactg cgatagcgta caccgttgtg taaaatataa tggtctcgct gaatctgttt 180
cttttggtca taccttacaa tgaagttaac a   211

<210> 811
<211> 211
<212> DNA
<213> Artificial Sequence

<400> 811
ttatatttgg gttaggttcg tcattgaatg agaaacggtc tgttcctgtt tcgttgaaag 60
cgtatgcggt acgtacctcc ccagtggttg gtaaaggtgt agtatgtgta tgcaatactt 120
taccgtttat cttatccatt tcatcaataa caacctcaaa ggtactagaa ccatcatcat 180
caaactcact aacctttggt ataccgtagt t   211

<210> 812
<211> 211
<212> DNA
<213> Artificial Sequence

<400> 812
agatgtcact aaagtctaca taattatcac tcattttacc acctcattta aaacgtcctc 60
tttagaaacc tccttagcaa tcacagtatc aaagtctttg ctgtatgttc cacgtgaaac 120
atcctcaatg cgatagcgta caccgttgtg taaaatataa tggtctcgct gaatctgttt 180
cttttggtca taccttacaa tgaagttaac a   211

<210> 813

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

<400> 813
gcgtaacgtg taaggttctg taggtcctca ccgaatacag ggatagggct gttttgctca 60
accctactca tagcgtcaac catttcctca aggctaccca aaccctcagc aactagttcg 120
ttagccaatt gagtgtagtt ttctgcgccc tcttgtgaaa gacctaatgc accttgaaac 180
ttattgatgg cgtcttttga ttcattgatt c   211

<210> 814
<211> 211
<212> DNA
<213> Artificial Sequence

<400> 814
ccccgtactg tgtacgtgaa tttgtccata cggtcttacc cctacttgtg gtaaacctga 60
gcgcatttgt ttttcaattt tcagtgaatc attctccttt ctatctctaa tcattataac 120
acaaaaaagg aggcttaagc ctccttaggt tatgctaaac gcccttgacg tctgttagat 180
accatttgtc cgcgttgctt atctttagtt a   211

<210> 815
<211> 211
<212> DNA
<213> Artificial Sequence

<400> 815
tgttcgtaaa cctgttgatg gtgctttgac aggcgttgta agggaaggtc ctgaccatgc 60
gtttggtgcg aatgttgtag cccacttagg tttaaacgcc tcagaagggc tgtagtccca 120
tgaacccctg tagaggtttg gtctagcagg gtcgttagac gtatttgggt actgtgatac 180
gtgcccacta ttgacggtga aaccagttgg c   211

<210> 816
<211> 211
<212> DNA
<213> Artificial Sequence

<400> 816
gtttatcttt caaactatat tcaattccct cattaacata gtcacgttca aaacggtcat 60
agtagaacca ttcatcaata ccaacaacct gcacgaaaag gctgcctact ccaacaatgg 120
tatatcgttt acctttttcc aatatatctt ctacacataa agtgtctaca catactactc 180
tgtgacctac ctcaaacata ttactcattg c   211

<210> 817
<211> 211
<212> DNA
<213> Artificial Sequence

<400> 817
ccccgtactg tgtacgtgaa tttgtccata cggtcttacc cctacttgtg gtaaacctga 60
gcgcatttgt ttttcaattt tcattgaatc attctccttt ctatctctaa tcattataac 120
acaaaaatgg aggcttaagc ctccttaggt tatgctaaac gcccttgacg tctgttagat 180
accatttgtc cgcgttgctt atctttagtt a   211

<210> 818
<211> 211
<212> DNA
<213> Artificial Sequence

<400> 818
tacctatgat tatgtatata ctagcgtgtg tttttatggc tattggtgcc tttttggtag 60
atataaccgt aggttttatg gtagtaggtg gcgcttgttt ggctacaagt tttaagctat 120
caaaggaatt agagcaggtt gataacatca acgataaagg agagagtcac taatgggaat 180
ttttatcaga aacaagccac acgaagagcg g   211

<210>   819
<211>   211
<212>   DNA
<213>   Artificial Sequence

<400>   819
tgttcgtaaa cctgttgatg gtgctttgac aggcgttgta agggaaggtc ctgaccatgc 60
gtttggtgcg aatgttgtag ccctcttagg tttaaacgcc tcagaagggc tgtagtccca 120
tgaacccatg tagaggtttg gtctagcagg gtcgttagac gtatttgggt actgtgatac 180
gtgcccacta ttgacggtga aaccagttgg c   211

<210>   820
<211>   211
<212>   DNA
<213>   Artificial Sequence

<400>   820
gaaatgtttt tagaccatga gtttgaccta aataaaaaag gtaagcccgt agctaaagga 60
acgtatactg accctaatac tggttatgtt atggagtttg gcgcgggagg tgtccacgga 120
gctgttgtac agcttattca cattggacgc tttctcatgc gtgactacgg tagtttgtac 180
cctaatgtgt atgtgaattt tgatgttctt t   211

<210>   821
<211>   211
<212>   DNA
<213>   Artificial Sequence

<400>   821
aatgtgtaca ataataacaa aatataacct actacccaac acaacaaccc tacatggttt 60
catgatagac taatgtggag gaggtaatat aatgttaata ccaacggaac aacagcaaat 120
ggtcatatac aaatgggaaa cacataatct aaatcatagt gaggttggct caggcaagac 180
actcatggca ttagaatcgt ttaaaaaatc a   211

<210>   822
<211>   211
<212>   DNA
<213>   Artificial Sequence

<400>   822
tctagaagct ctcctctgag ctttggagac ccacttaggg taattatacc taaaccttgt 60
ttagacccct cagaagccca atcagacacc ttagacgcaa ggcacactac tacgagtttc 120
tttagccatg attttttaaa cgattctaat gccatgagtg tcttgcctga gccaacctca 180
ctatgattta gattatgtgt ttcccatttg t   211

<210>   823
<211>   211
<212>   DNA
<213>   Artificial Sequence

<400>   823
ttcacgtaca cagtacgggg aattcatcat ctacagcgca aaacgaggca gactatcata 60
tgcgcagacc cgtcaacagt gggttcttct cgcacgtagt aggtaacggg cgagtaattc 120
aaacagctcg cacaaacgcg ggcttttatg acgtaggtgg cggatggaac tcgtggggat 180
atgcggcaat tgaattgatt gaatcgcaca a   211

<210>   824
<211>   211
<212>   DNA
<213>   Artificial Sequence

<400>   824
ggcgtttatt gagacaaaca atttagacgt acaaggtatt tgttatgacc ctgcacagtc 60
tcaattaatt accacaagac tagcagacgg gtatgaggac gtactctttg atgtacgtca 120
gtcttatctg cgattaaacc cacctactaa acaattacaa gtggatatac gagcgggcaa 180
ggtccttcac tttaacaacc ctctattgac a   211

<210> 825
<211> 211
<212> DNA
<213> Artificial Sequence

<400> 825
aaggttgaac atgttagatt aacagaatat aatgacgcct atatgagtgt actgttgttt 60
aggcagaaag tacgtagata ttatttaact gtaaacggta aggagtcaag agagtataaa 120
taccactagt ggtttttgca aaaagtacca ctattgtata aaattagtag gtatgtaaat 180
actcgtatag caataaaacg cattgaaaac a 211

<210> 826
<211> 211
<212> DNA
<213> Artificial Sequence

<400> 826
actatgcttt tgataacttt aaatcacaag ttggctacgt tattgctctg aataaagtac 60
gtgaccgcgt gggcacatct ggaccgggta ttcatgacac atggactaat tgggcgtcag 120
gtggacacat ggaccactta cacattaatg gtgtgaaaga ccctcagtca caaggtggag 180
caattgacac cacagcaaca gggtcagggg t 211

<210> 827
<211> 211
<212> DNA
<213> Artificial Sequence

<400> 827
ttgacccaga tgggcgtttt aaacttgaga atggggttat gattgacacg caagaagctc 60
ctaaatggtc cagactctta tcatcaacag gaggtttgtt cacacgtgct gtaacgtatg 120
acacccttga taaaggtaaa ttggcttcac ttgctgttag tgaattgaaa aagaaaagtc 180
aacctgcttt taattatgaa gtaaacgtag t 211

<210> 828
<211> 211
<212> DNA
<213> Artificial Sequence

<400> 828
tgtactgaga gcgtcaaaat tacctaccct aattaaccca ttcttgttgc tgaatgcgtc 60
tattgtgacg gaatatttaa ctcctgctgg ctagtagttg gttaataagt cattgctata 120
atagactctt ctgttagttg atgagtcgtt aaacaacact cgcatgttcc cgtttgaata 180
ttctatagtc gcaccatttc ctgtccaacc a 211

<210> 829
<211> 211
<212> DNA
<213> Artificial Sequence

<400> 829
ccccgtactg tgtacgtgaa tttgtccata cggtcttacc cctacttgtg gtaaacctga 60
gcgcatttgt ttttcaattt tcagtgaatc attctccttt ctatctctaa tcattataac 120
acaaaaatgg aggcttaagc ctccttaggt tatgctaaac gcccttgacg tctgttagat 180
accatttgtc cgcgttgctt atctttagtt a 211

<210> 830
<211> 211
<212> DNA
<213> Artificial Sequence

<400> 830
ttctgttagt tgatgagtcg ttaaacaaca ctcgcatgtt cccgtttgaa tattctatag 60
tcgcaccatt tcctgtccaa ccagtaatag tggggtcttt cgagaaatca taattcaata 120
ctaaattatc atttgggtat tggagtgtga acctctcttt tccatcacta ctccatgcgt 180

aagctgtgtg taaaaatgga ttttgaccat c 211

<210> 831
<211> 211
<212> DNA
<213> Artificial Sequence

<400> 831
ttgacccaga tgggcgtttt aaacttgaga atggggttat gattgacacg caagaagctc 60
ctaaatggtc cagactctta tcatcaacag gaggtttgtt cacacgtgct gtaacgtatg 120
acaccctgga taaaggtaaa ttggcttcac ttgctgttag tgaattgaaa aagaaaagtc 180
aacctgcttt taattatgaa gtaaacgtag t 211

<210> 832
<211> 211
<212> DNA
<213> Artificial Sequence

<400> 832
aaagaacatc aaaattcaca tacacattag ggtacaaact accgtagtca cgcatgagaa 60
agcgtccaat gtgaataagc tgtacaacag ctccgtggac acctcccgcg ccaaactcca 120
taacataccc agtattaggg tcagtatacg ttcctttagc tacgggctta ccttttttat 180
ttaggtcaaa ctcatggtct aaaaacattt c 211

<210> 833
<211> 211
<212> DNA
<213> Artificial Sequence

<400> 833
ccgctcttcg tgtggcttgt ttctgataaa aattcccatt agtgactctc tcctttatcg 60
ttgatgttat caacctgctc taagtccttt gatagcttaa aacttgtagc caaacaagcg 120
ccacctacta ccataaaacc tacggttata tctaccaaaa aggcaccaat agccataaaa 180
acacacgcta gtatatacat aatcataggt a 211

<210> 834
<211> 211
<212> DNA
<213> Artificial Sequence

<400> 834
gcgtaacgtg taaggttctg taggtcctca ccgaatacag ggatagggct gttttgctca 60
accctactca tagcgtcaac catgtcctca aggctaccca aaccctcagc aactagttcg 120
ttagccaatt gagtgtagtt ttctgcgccc tcttgtgaaa gacctaatgc accttgaaac 180
ttattgatgg cgtcttttga ttcattgatt c 211

<210> 835
<211> 211
<212> DNA
<213> Artificial Sequence

<400> 835
tgttaacttc attgtaaggt atgaccaaaa gaaacagatt cagcgagacc attatatttt 60
acacaacggt gtacgctatc gcagtgagga tgtttcacgt ggaacataca gcaaagactt 120
tgatactgtg attgctaagg aggtttctaa agaggacgtt ttaaatgagg tggtaaaatg 180
agtgataatt atgtagactt tagtgacatc t 211

<210> 836
<211> 211
<212> DNA
<213> Artificial Sequence

<400> 836
gcaatgagta atatgtttga ggtaggtcac agagtagtat gtgtagacac tttatgtgta 60
gaagatatat tggaaaaagg taatcgatat accattgttg gagtaggcag ccttttcgtg 120

caggttgttg gtattgatga atggttctac tatgaccgtt ttgaacgtga ctatgttaat 180
gagggaattg aatatagttt gaaagataaa c   211

<210>   837
<211>   211
<212>   DNA
<213>   Artificial Sequence

<400>   837
tgttcgtaaa cctgttgatg gtgctttgac aggcgttgta agggaaggtc ctgaccatgc 60
gtttggtgcg aatgttgtag ccctcttagg tttaaacgcc tcagaagggc tgtagtccca 120
tgaacccctg tagaggtttg gtctagcagg gtcgttagac gtatttgggt actgtgatac 180
gtgcccacta ttgacggtga aaccagttgg c   211

<210>   838
<211>   210
<212>   DNA
<213>   Artificial Sequence

<400>   838
gtctcacgga gtttcaggcg tctcattggg ttacctttttt tagattgtgt ttcaatgttc 60
tctgtaacaa caacctcttt tagtccccct gtcatggggt cataactcat ggcgttacct 120
tctaatgttt tccaaagttc aaacatggta cgcgcgttct ctttttgttg cttagttggt 180
gtgaaaatag tgttcattaa tttcatcccc   210

<210>   839
<211>   210
<212>   DNA
<213>   Artificial Sequence

<400>   839
tgctgtttga attactcgcc cgttacctac tacgtgcgag aagaacccac tgttgacggg 60
tctgcgcata tgatagtctg cctcgttttg cgctgtagat gatgaattcc ccgtactgtg 120
tacgtgactt tgtccatacg gtcttacccc tacttgtggt aaacctgagc gcatttgttt 180
ttcaattttc attgaatcat tctccttttct   210

<210>   840
<211>   210
<212>   DNA
<213>   Artificial Sequence

<400>   840
tggtttttgc aaaaagtacc actattgtat aaaattagta ggtatgtaaa tactcgtata 60
gcaataaaac gcattgaaaa caggggggga gaacgaaatg ggctacttta agaatttgtt 120
attagcgttg ggttatattg ttgctttgtt taccataatt aagttgggtg cagttggttt 180
tggctattta atgacattag tgagccattt   210

<210>   841
<211>   210
<212>   DNA
<213>   Artificial Sequence

<400>   841
aaatggatca ctaatgtcat taaatagcca aaaccaactg cacccaaatt aattatggta 60
aacaaagcaa cattataaaa caccgatatt aacaaattct taaagtagca catttcgttc 120
tccccccatg ttttcaatgc gttttattgc tttacgagta tttacatacc tactaatttt 180
atacaatagt ggtacttttt gcaaaaacca   210

<210>   842
<211>   210
<212>   DNA
<213>   Artificial Sequence

<400>   842
tcccgtttcc tttacagcct ccttttcttt cagttcaaat tttgactcaa tatattcctc 60

atggtcaaaa ataaaataca tagtatgcat atctgtcaaa acatatagtt gaccgtctcc 120
gttgaacacg gggtactctt tgccaaacct ccaatttaca ctattaaact cacctgtgta 180
aattaaaaca tctccgactt ttagttcatt   210

<210>   843
<211>   210
<212>   DNA
<213>   Artificial Sequence

<400>   843
gcggaactaa accctgcttt aactaaagat aagcaacgcg gacaaatggt atctaacaga 60
cgtcaagggc gtttagcata acctaaggag gcttaagcct ccttttttgt gttataatga 120
ttagagagag aaaggagaat gattcaatga aaattgaaaa acaaatgcgc tcaggtttac 180
cacaagtagg ggtaagaccg tatggacaaa   210

<210>   844
<211>   210
<212>   DNA
<213>   Artificial Sequence

<400>   844
gtctcacgga gtttcaggcg tctcattggg ttacctttttt tagattgtgt ttcaatgttc 60
tctgtaacaa caacctcttt tattccccct gtcatggggt cataactcat ggcgttacct 120
tctaatgatt tccaaagttc aaacatggta cgcgcgttct ctttttgttg cttagttggt 180
gtgaaaatag tgttcattaa tttcatcccc   210

<210>   845
<211>   210
<212>   DNA
<213>   Artificial Sequence

<400>   845
gttgctgaat gcgtctattg tgacggaata tttaactcct gctggcaagt agttggttaa 60
taagtcattg ctataataga ctattctgtt agttgatgag tcgttaaaca acactcgcat 120
gttcccgatt gaatattcta tagtcgcacc atttcctgtc caaccattaa tagtggggtc 180
tttcgagaaa tcataattca atactaaatt   210

<210>   846
<211>   210
<212>   DNA
<213>   Artificial Sequence

<400>   846
atcaccgttg ttttttacat atatactatg cgtgtagttt tgtcctatga tgtactgtgt 60
tcctttaatt tctaacacac ctctgagatt attacttgtg ttcttagtta ccttataatt 120
gacagcatta ctagcacccc attctggtac agaaacccct gttgttcgtg taaattcact 180
agttccgtca gacactagtg ttggttgttc   210

<210>   847
<211>   210
<212>   DNA
<213>   Artificial Sequence

<400>   847
ttctcattta actcacgcgc cttttcaacc actaaatcac ctaattttgt agtatctaaa 60
ttcatgtcta ttttcctccc ttctttggtt gaaacaacca tttagaaaac attagtgaca 120
accctataac taatggcgtt aggtatgcaa tcaattttct gagtcctccc acgctttaat 180
gaacccctca atttctttga catccccatc   210

<210>   848
<211>   210
<212>   DNA
<213>   Artificial Sequence

<400>   848

aatattctat agtcgcacca tttcctgtcc aaccattaat agtggggtct ttcgagaaat 60
cataattcaa tactaaatta tcatttgggt attggagtgt gaacctctct tttccatcac 120
tactccaagc gtaagctgtg tgtaaaaatg gattttgacc atcctgtacg tttgcaatac 180
tcaatggctt tgactctaat gccatgtttt   210

<210>   849
<211>   210
<212>   DNA
<213>   Artificial Sequence

<400>   849
gttgctgaat gcgtctattg tgacggaata tttaactcct gctggcaagt agttggttaa 60
taagtcattg ctataataga ctcttctgtt agttgatgag tcgttaaaca acactcgcat 120
gttcccgatt gaatattcta tagtcgcacc atttcctgtc caaccattaa tagtggggtc 180
tttcgagaaa tcataattca atactaaatt   210

<210>   850
<211>   210
<212>   DNA
<213>   Artificial Sequence

<400>   850
tacgagggaa ttagggacca tgttaccatg ttacagagca acacagactg tcacgcctac 60
attcctcatg atgaggaggc tgtacgtatt acagacgcgt tctgtgatga catttctgag 120
cgcgtaggta ttgtattgga caaagatgag ttcattgcct tataccagaa agatgtcaac 180
aattatattg gtattgacgc taaaggtaaa   210

<210>   851
<211>   210
<212>   DNA
<213>   Artificial Sequence

<400>   851
tggttcctat agacatttgt cagttcgcca aaatacagag ttcgccacta aatacttgtc 60
agagggtggt acgagtattc atgtacacca gagtggtagt tattactcat atgagaacct 120
caaggcgcag aatgggctag acgaaagaca tgataaggag tttatacaat actgcaaaga 180
aagaggttat gattatgtat aagtacgtag   210

<210>   852
<211>   210
<212>   DNA
<213>   Artificial Sequence

<400>   852
gttgctgaat gcgtctattg tgacggaata tttaactcct gctggcaagt agttggttaa 60
taagtcattg ctataataga ctcttctgtt agttgatgag tcgttaaaca acactcgcat 120
gttcccggtt gaatattcta tagtcgcacc atttcctgtc caaccattaa tagtggggtc 180
tttcgagaaa tcataattca atactaaatt   210

<210>   853
<211>   210
<212>   DNA
<213>   Artificial Sequence

<400>   853
gcgtaagctg tgtgtaaaaa tggattttga ccatcctgta cgtttgcaat actcaatggc 60
tttgactcta atgccatgtt ttgtacctcc tctaataatc tacagaacaa taatatgtat 120
atacatttga ttgtcctgca tttactgtga ttgtttttcc tgttcctgtc catgaggtgt 180
ctaatacgtt tgaggcgtca tatctacgcc   210

<210>   854
<211>   210
<212>   DNA
<213>   Artificial Sequence

<400>   854
ttcagtgagt accttgataa aacaggtaag aaaattgatt tgttactcct agaggctaac 60
tatgacggtg ctgtaattgg ttatagtgaa tatatgaaaa ttcacagcgg ttatgatacg 120
tataatactg gttcctatag acatttgtca gttcgccaaa atacagagtt cgccactaaa 180
tacttgtcag agggtggtac gagtattcat   210

<210>   855
<211>   210
<212>   DNA
<213>   Artificial Sequence

<400>   855
tagtaaatgg ggtaaaattg cctattaata cattgtttgg tgccacaggt gcagagttta 60
atgggttata tgacccacgt tttcaatttc taacatgtgt gattgggcaa ttaattatgg 120
ctgacttata cgagggaatt agggaccatg ttaccatgtt acagagcaac acagactgtc 180
acgcctacat tcctcatgat gaggaggctg   210

<210>   856
<211>   210
<212>   DNA
<213>   Artificial Sequence

<400>   856
tggtttttgc aaaaagtacc actattgtat aaaattagta ggtatgtaaa tactcgtata 60
gcaataaaac gcattgaaaa caggggggga gaacgaaatg ggctacttta agaatttgtt 120
attagcggtg ggttatattg ttgctttgtt taccataatt aagttgggtg cagttggttt 180
tggctattta atgacattag tgagccattt   210

<210>   857
<211>   210
<212>   DNA
<213>   Artificial Sequence

<400>   857
tcagagtaga aattaaaccc catatctgtt gaacccatgg tgtaagttgg ttcaaagcta 60
atgtacttac tctcattggg atatattgtt ttacccactc ccattctgtt tgaaatagaa 120
ataggttgat caccgttgtt ttttacatat atactatgcg tgtagttttg tcctatgatg 180
tactgtgttc ctttaatttc taacacacct   210

<210>   858
<211>   210
<212>   DNA
<213>   Artificial Sequence

<400>   858
gttgctgaat gcgtctattg tgacggaata tttaactcct gctggcaagt agttggttaa 60
taagtcattg ctataataga ctattctgtt agttgatgag tcgttaaaca acactcgcat 120
gttcccggtt gaatattcta tagtcgcacc atttcctgtc caaccattaa tagtggggtc 180
tttcgagaaa tcataattca atactaaatt   210

<210>   859
<211>   210
<212>   DNA
<213>   Artificial Sequence

<400>   859
gtctcacgga gtttcaggcg tctcattggg ttacctttttt tagattgtgt ttcaatgttc 60
tctgtaacaa caacctcttt tagtcccccct gtcatggggt cataactcat ggcgttacct 120
tctaatgatt tccaaagttc aaacatggta cgcgcgttct ctttttgttg cttagttggt 180
gtgaaaatag tgttcattaa tttcatcccc   210

<210>   860
<211>   209
<212>   DNA
<213>   Artificial Sequence

<400>   860
caaggttacc taaatcattt ttagcaatct taacaataac aaactcatcc tcaacttcat 60
cctgttcccc atccacgcgt agagtcactt tcttttctat ttcttgctcc tgtaaacgca 120
ttccctcagc gcgtactttc tcatattgct gtactgcctc cattaggtct aaaccgttgt 180
ttgcatatac agcttgaata gaggttcgt   209

<210>   861
<211>   209
<212>   DNA
<213>   Artificial Sequence

<400>   861
caaggttacc taaatcattt ttagcaatct taacaataac aaactcatcc tcaacttcat 60
cctgttcccc atccacgcgt atagtcactt tcttttctat ttcttgctcc tgtaaacgca 120
ttccctccgc gcgtactttc tcatattgct gtactgcctc cattaggtct aaaccgttgt 180
ttgcatatac agctagaata gaggttcgt   209

<210>   862
<211>   209
<212>   DNA
<213>   Artificial Sequence

<400>   862
tcccgtttcc tttacagcct ccttttcttt cagttcaaat tttgactcaa tatattcctc 60
atggtcaaaa ataaaataca tcttatgcat atctgtcaaa acatatagtt gaccgtctcc 120
gttgaacacg gggtactctt tgccaaacct ccaatttaca ctattaaact cacctgtgta 180
aattaaaaca tctccgactt ttagttcat   209

<210>   863
<211>   209
<212>   DNA
<213>   Artificial Sequence

<400>   863
ttgctgaatg cgtctattgt gacggaatat ttaactcctg ctggcaagta gttggttaat 60
aagtcattgc tataatagac tcttctgtta gttgatgagt cgttaaacaa cactcgcatg 120
ttcccgtgtg aatattctat agtcgcacca tttcctgtcc aaccattaat agtggggtct 180
ttcgagaaat cataattcaa tactaaatt   209

<210>   864
<211>   209
<212>   DNA
<213>   Artificial Sequence

<400>   864
gtgtaagcca atgcctccaa acaacaaagc aataataaca tatagtccta aacttggttt 60
attcattcta gtagtcctcc aataatgttt gtatgaaatc gtttaactcg tccacgtagt 120
cgtatagaga atcaaggtca tcaattaatt tatcattttt ctcaatgagt tcatcaactt 180
ccttatctaa aaattcaacc tgaccacgt   209

<210>   865
<211>   209
<212>   DNA
<213>   Artificial Sequence

<400>   865
ctctaaacga gcgtctaaca acttttccct tagcatttcg ttttctctaa tgaggttatt 60
acgttcacga agtaatagaa ctttatcctc tttatcaagg ttctcaggcg tttcccatct 120
attggacctt aggttcactc tccttataag tgaaatcact tgcgaaaaat gaagcgtaac 180
gtttatcatt aatgtctgta gggaatacc   209

<210>   866
<211>   209
<212>   DNA

<213> Artificial Sequence

<400> 866
ctctaaacga gcgtctaaca acttttccct tagcatttcg ttttctctaa tgaggttatt 60
acgttcacga agtaatagaa cgttatcctc tttatcaagg ttctcaggcg tttcccatct 120
attggacatt aggttcactc tccttataag tgaaatcact tgcgaaaaat gaagcgtaac 180
gtttatcatt aatgtctgta gggaatacc   209

<210> 867
<211> 209
<212> DNA
<213> Artificial Sequence

<400> 867
cgttgttata ctagctcata cgcaacatca aggttaccta aatcattttt agccatctta 60
acaataacat actcatcctc acctacatcc tgttccccat ccacgcgtaa agtcactttc 120
ttttctattt cttgctcctg taaacgcatt ccctcagcgc gtacattctc atattgctgt 180
actgcctcca ttaggtctaa accgttgtt   209

<210> 868
<211> 209
<212> DNA
<213> Artificial Sequence

<400> 868
tatgaaaata agtgtctgcg cgttgttagt gctgtaataa tgtcaatcca tgaaataacc 60
actggtacac ccgtccaaaa taagaatagg aacaagaaac ctgagccaag ttttccctca 120
tacatactgt gtaagccaat gcctccaaac aacaaagcaa taataacata tagtcctaaa 180
cttggtttat tcattctagt agtcctcca   209

<210> 869
<211> 209
<212> DNA
<213> Artificial Sequence

<400> 869
cgttgttata ctagctcata cgcaacatca aggttaccta aatcattttt agcaatctta 60
acaataacaa actcatcctc accttcatcc tgttccccat ccacgcgtat agtcactttc 120
ttttctagtt cttgctcctg taaacgcatt ccctcagcgc gtactttctc atattgctgt 180
actgcctcca ttaggtctaa accgttgtt   209

<210> 870
<211> 209
<212> DNA
<213> Artificial Sequence

<400> 870
ggtattccct acagacatta atgataaacg ttacgcttca tttttcgcaa gtgatttcac 60
ttataaggag agtgaaccta aggtccaata gatgggaaac gcctgagaac cttgataaag 120
aggataacgt tctattactt cgtgaacgta ataacctcat tagagaaaac gaaatgctaa 180
gggaaaagtt gttagacgct cgtttagag   209

<210> 871
<211> 209
<212> DNA
<213> Artificial Sequence

<400> 871
acgaacctct attctagctg tatatgcaaa caacggttta gacctaatgg aggcagtaca 60
gcaatatgag aaagtacgcg cggagggaat gcgtttacag gagcaagaaa tagaaaagaa 120
agtgactcta cgcgtggatg gggaacagga tgaagttgag gatgagtttg ttattgttaa 180
gattgctaaa aatgatttag gtaaccttg   209

<210> 872
<211> 208

<212> DNA
<213> Artificial Sequence

<400> 872
ttgaggggtc tgctattagt gactcacgtg gatatgtata cgcctctggt gtgaagtctg 60
agacgttgac gcttgagaaa gtccaagact ttgtagcaaa caaaacaacg ccagttggac 120
agtaaagagg ggtaataccc ctctttttt gtgcgctata tgatataata ttaatagaac 180
ataacatatt aggaggaatt ataatgat   208

<210> 873
<211> 208
<212> DNA
<213> Artificial Sequence

<400> 873
ttgttagttt gtcaagtgta ttacctagtt cagcggttcc gtcaatacct aaaccaaact 60
tcatatttcc tactggtttt ccgctttgca ccatgtgtta atcagctcct tttttctcta 120
gcttttctag ttcctcagga cttaagaaac gcttaataaa gtcagcgcca tccatcacct 180
tttcttgttt agactcttta ccaaacaa   208

<210> 874
<211> 208
<212> DNA
<213> Artificial Sequence

<400> 874
aaaaagtaga tgaggaaaaa cttgctttca acattattat ggcaagcgct ttaggtgcta 60
aactcgtaga tgagtatggg attgatagag acacgatttc agaccgtatt gacgatgtat 120
taggataaag ggaggaaaac aaaatgagta aagtatttga ggataatttt actaaacccc 180
taccagtggg gacgaaggtg cgcttgat   208

<210> 875
<211> 208
<212> DNA
<213> Artificial Sequence

<400> 875
tttctcaagc gtcaacgtct cagacttcac accagaggcg tatacatatc cacgtgagtc 60
actaatagca gacccctcaa gagtatcagt attagggtca gtgcctccac cctctgaggt 120
attcaacgca acgtcagggt gagcaaagcg aactttagtc agtcccatat atacctcatt 180
accatctgcg tcatctgata caaaagta   208

<210> 876
<211> 208
<212> DNA
<213> Artificial Sequence

<400> 876
attaacaagg tattaaacgg taatgggttt gatgatgagt taaatatgct gtttaacaga 60
gttctagagg aggagttcca tggcaacgcg ttagccatgg acgacctcat ttatgaacta 120
aacggatcta gcactcaaga taacgcagta gacacgttac agaaccaagt tgactacatg 180
agtaaaatga taaatagact agcataca   208

<210> 877
<211> 208
<212> DNA
<213> Artificial Sequence

<400> 877
taacaggact tgaggaaaaa acctttgagg aacagttaga aacccttgag gaaacatatt 60
catccctctt agaaagtagc tggcaactct cagagataga gaacgctgac tactttcttt 120
tattacactt gtttggtaaa gagtctaaac aagaaaaggt gatggatggc gctgacttta 180
ttaagcgttt cttaagtcct gaggaact   208

<210> 878

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

<400> 878
atcaagcgca ccttcgtccc cactggtagg ggtttagtaa aattatcctc aaatacttta 60
ctcattttgt tttcctccct gtatcctaat acatcgtcaa tacggtctga aatcgtgtct 120
ctatcaaacc catactcatc tacgagttta gcacctaaag cgcttgccat aataatgttg 180
aaagcaagtt tttcctcatc tacttttt   208

<210> 879
<211> 208
<212> DNA
<213> Artificial Sequence

<400> 879
gaactttgag catatccaat caaacaacgg aattaaacca gttacaaaaa acccatttac 60
ctacaatgca cctgtagcaa acaaagcttc cgttgttaaa acatctagat ggctactcaa 120
gtataaatac tcagtagcca caagggaggt agtggataag gtaacatgga caatgaaatc 180
taaggaagtc ctacacattc gtgcaggt   208

<210> 880
<211> 208
<212> DNA
<213> Artificial Sequence

<400> 880
gtcaatgatg gacgtggtgc tgaaatggtt attgacccaa gtggtcaagc ggttatccct 60
aaaggtaaga acgtaacgat gtggggacga aaaggaaccc acgttttaac agcagaagaa 120
actgcaccag tgttaggtca taaacgtcct aagtttgcat acaaaaaagg tactggcttc 180
tttgacaaaa ttacaggagg cgtaaaaa   208

<210> 881
<211> 208
<212> DNA
<213> Artificial Sequence

<400> 881
ggcaccagac agctcttttt taatctctct cacgtcctct aaacgtgcgt caatacgctc 60
catggttaat tgcattttga taaagttgtc ctcattcatt ggcattcgtt cccgctccta 120
actttgagtg tatgctagtc tatttatcat tttactcatg tagtcaactt ggttctgtaa 180
cgtgtctact gcgttatctt gagtgcta   208

<210> 882
<211> 208
<212> DNA
<213> Artificial Sequence

<400> 882
agtctattat agcaatgact tattaaccaa ctacttgcca gcaggagtta aatattccgt 60
cacaatagac gcattcagca ccaataatgg gttaattagg gtaggtaatt ttgacgctct 120
cagtacatgg caaacaataa aacaaggtga cacaccttca acgtataaat ttgagggtat 180
aaccgcaggg gcaactcatg cttttagt   208

<210> 883
<211> 208
<212> DNA
<213> Artificial Sequence

<400> 883
tactacgcta gagaatactt tttcaactaa tttgcttggg ttagttgcgt agtcccaaac 60
gtcaccaaca acactgctaa ccttatcaaa cgcacttttа gccatgtttt tggcaccgtt 120
ccagatgatt tttacgcctc ctgtaatttt gtcaaagaag ccagtacctt ttttgtatgc 180
aaacttagga cgtttatgac ctaacact   208

<210>   884
<211>   208
<212>   DNA
<213>   Artificial Sequence

<400>   884
acctgcacga atgtgtagga cttccttaga tttcattgtc catgttacct tatccactac 60
ctcccttgtg gctactgagt ctttatactt gagtagccat ctagatgttt taacaacgga 120
agctttgatt gctacaggtg cattgtaggt aaatgggttt tttgtaactg gtttaattcc 180
gttgtttgat tggatatgct caaagttc   208

<210>   885
<211>   208
<212>   DNA
<213>   Artificial Sequence

<400>   885
ttgtggtaat taattgagac tgtgcagggt cataacaaat accttgtacg tctaaattgt 60
ttgtctcaat aaacgccaaa tcccaattta acatatcctc ccaatcacac tgaccgtcag 120
gacgggacga aatttcacaa tacccctgtt tggaatattg tctatagggt gttctatcgt 180
tagcctcttt ctgaacaata ccaccacc   208

<210>   886
<211>   208
<212>   DNA
<213>   Artificial Sequence

<400>   886
acctgcacga atgtgtagga cttccttaga tttcattgtc catgttacct tatccactac 60
ctcccttgtg gctactgagt atttatactt gagtagccat ctagatgttt taacaacgga 120
agctttgatt gctacaggtg cattgtaggt aaatgggttt tttgtaactg gtttaattcc 180
gttgtttgat tggatatgct caaagttc   208

<210>   887
<211>   208
<212>   DNA
<213>   Artificial Sequence

<400>   887
aaaaagtaga tgaggaaaaa cttgctttca acattattat ggcaagcgct ttaggtgcta 60
aactcgtaga tgagtatggg attgatagag acacgatttc agaccgtatt gacgatgtat 120
taggatacag ggaggaaaac aaaatgagta aagtatttga ggataatttt actaaacccc 180
taccagtggg gacgaaggtg cgcttgat   208

<210>   888
<211>   207
<212>   DNA
<213>   Artificial Sequence

<400>   888
accaatttaa ggggtttcct ctcaaagcgc gtactaaaat tcccgcgata aaagagtggc 60
aagctcaaga gagttacaaa acattaggta aaataagaaa catgaataaa ggggtcttat 120
gtggggacca aaacaaatta ttagtagtag actgtgacgt aaaaggtaaa gcaaacggaa 180
tacactcttt tactacctta atgaaag   207

<210>   889
<211>   207
<212>   DNA
<213>   Artificial Sequence

<400>   889
atagtaccac ggacactgta cctgaggaca ctgcgccaaa tatcctatta aacggttcac 60
aggacaatag tatacagtag tggggaatct ttgacgcagt aacggctaca ccaacagcag 120
gagccactaa attaactaaa acagcagtgt caacaatacg tcctgcatac ctatcaaatg 180
gctacagtgc tttgcgcggt acaacgt   207

<210>   890
<211>   207
<212>   DNA
<213>   Artificial Sequence

<400>   890
tacatttatt agtttatcaa aaccccaacc agttgtcaag cattattttt aaatttcttg 60
taaatgttcg tacggaatga gctgacgtat accatcaatc gttctacatg gtatagggtc 120
tctgtgtgtc tctttctcaa ttaatacttt ctctgtaggt gtcaattcgt tttcaggtag 180
ttcgtacaag actgccccaa ttggtaa   207

<210>   891
<211>   207
<212>   DNA
<213>   Artificial Sequence

<400>   891
ttctaagtca agcaatgcct cacgtccaat gagtaactcc tccttaccta caggcggttc 60
tactgtacct gtaacaatac caggtgtcac ttttgctttt cgccatttat taatcgttac 120
agtaatcatt tatttttcct ccttattaga cattattccc ataggaacat atcatttctt 180
ataacaaaaa tatcttctga cttagta   207

<210>   892
<211>   207
<212>   DNA
<213>   Artificial Sequence

<400>   892
gctagaaact gataagccac aggctaatat ggtgaatgaa gaactgacag atacagcacg 60
ttattcaacc aattcaggta aacaattgtt tgacgtctta gcagatgacc tactaacaga 120
tgaccaagat gagggtttct taattggtaa catttataag tacattaaac gccacaaaga 180
aaaaggtggc attactgacc ttgaaaa   207

<210>   893
<211>   207
<212>   DNA
<213>   Artificial Sequence

<400>   893
acgttgtacc gcgcaaagca ctgtagccat ttgataggta tgcaggacgt attgttgaca 60
ctgctgtttt agttaatttc gtggctcctg ctgttggtgt agccgttact gcgtcaaaga 120
ttccccaata ctgtatacta ttgtcctgtg aaccgtttaa taggatattt ggcgcagtgt 180
cctcaggtac agtgtccgtg gtactat   207

<210>   894
<211>   207
<212>   DNA
<213>   Artificial Sequence

<400>   894
gtcaaacgtt ccgtttttcg tatctgctaa aggtacaggt gaaacaaccg tatcattgaa 60
tgttttcgac ttacaagcgg gtggagcata tagtgctgtt ttaggtatta ccgcagacga 120
aaatggtctt atgacagtgg ggcaggacac tcaagctcct tatgtctctg ttacttttgt 180
atcagatgac gcagatggta atgaggt   207

<210>   895
<211>   207
<212>   DNA
<213>   Artificial Sequence

<400>   895
tattgttaca ggtacagtag aaccgcctgt aggtaaggag gagttactca ttggacgtga 60
ggcattgctt gacttagaat cagatagcat ttacattgag gctagtgatt taacttgggt 120
attccctaca gacattaatg ataaacgtta cgcttcattt ttcgcaagtg atttcactta 180

taaggagagt gaacctaatg tccaata 207

<210> 896
<211> 207
<212> DNA
<213> Artificial Sequence

<400> 896
tctctttctc aattaatact ttctctgtag gtgtcaattc gttttcaggt agttcgtaca 60
agactgcccc aattggtaat ggtgtcgtct cgttgtttac taactcatat gttttcaaac 120
taattcctcc tctagtttat caattatatt ctcaacttca tttaataagt cctcgttatc 180
aacattttgc tgtactacgt taagcgc 207

<210> 897
<211> 207
<212> DNA
<213> Artificial Sequence

<400> 897
ttatgacagt ggggcaggac actcaagctc cttatgtctc tgttactttt gtatcagatg 60
acgcagatgg taatgaggtc tatatgggac tgactaaagt tcgctttgct caccctgacg 120
ttgcgttgaa tacctcagag ggtggaggca ctgaccctaa tactgatact attgaggggt 180
ctgctattag tgactcacgt ggatatg 207

<210> 898
<211> 207
<212> DNA
<213> Artificial Sequence

<400> 898
gctagaaact gataagccac aggctaatat ggtgaatgaa gaactgacag atacagcacg 60
ttattcaacc aattcaggtc aacaattgtt tgacgtctta gcagatgacc tactaacaga 120
tgaccaatat gagggtttct taattggtaa catttataag tacattaaac gccacaaaga 180
aaaaggtggc agtactgacc ttgaaaa 207

<210> 899
<211> 207
<212> DNA
<213> Artificial Sequence

<400> 899
tggacaggaa atggtgcgac tatagaatat tcaaacggga acatgcgagt gttgtttaac 60
gactcatcaa ctaacagaat agtctattat agcaatgact tattaaccaa ctacttgcca 120
gcaggaggta aatattccgt cacaatagac gcattcagca acaataatgg gttaattagg 180
gtaggtaatt ttgacgctct cagtaca 207

<210> 900
<211> 207
<212> DNA
<213> Artificial Sequence

<400> 900
tggacaggaa atggtgcgac tatagaatat tcaaacggga acatgcgagt gttgtttaac 60
gactcatcaa ctaacagaag agtctattat agcaatgact tattaaacaa ctacttgcca 120
gcaggagata aatattccgt cacaatagac gcattcagca acaataaagg gttaaatagg 180
gtagctaata tagacgctct cagtaca 207

<210> 901
<211> 207
<212> DNA
<213> Artificial Sequence

<400> 901
tctattttca taccagtggg caattagaaa cattgtagca atatcaaagc gtgggtccgt 60
tggttggtcc tttacctcaa tggctcccat caaaaaagaa actgctgttt cttgtaacat 120

tgttaaagac tcgtcatcca tattatggtc aatgcgtaga ttatttttaa tttggtcaat 180
tgttagcatt atctcactcc tatctaa   207

<210>   902
<211>   207
<212>   DNA
<213>   Artificial Sequence

<400>   902
acgttgtacc gcgcaaagca ctgtagccat ttgataggta tgcaggacgt attgttgaca 60
ctgctgtttt agttaatttc gtggctcctg ctgttggtgt agccgttact gcgtcaaaga 120
ttccccacta ctgtatacta ttgtcctgtg aaccgtttaa taggatattt ggcgcagtgt 180
cctcaggtac agtgtccgtg gtactat   207

<210>   903
<211>   207
<212>   DNA
<213>   Artificial Sequence

<400>   903
agtctattat agcaatgact tattaaccaa ctacttgcca gcaggagtta aatattccgt 60
cacaatagac gcattcagct acaataatgg gttaattagg gtaggtaatt ttgacgctct 120
cagtacatgg caaacaataa aacaaggtga cacaccttca acgtataaat ttgagtgtat 180
aaccgcaggg gcaactaatg cttttag   207

<210>   904
<211>   207
<212>   DNA
<213>   Artificial Sequence

<400>   904
tctattttca taccagtggg caattagaaa cattgtagca atatcaaagc gtgggtccgt 60
tggttggtcc tttacctcac tggctcccat caaaaaagaa actgctgttt cttgtaacat 120
tgttaaagac tcgtcatcca tattatggtc aatgcgtaga ttatttttaa tttggtcaat 180
tgttagcatt atctcactcc tatctaa   207

<210>   905
<211>   207
<212>   DNA
<213>   Artificial Sequence

<400>   905
gctagaaact gataagccac aggctaatat ggtgaatgaa gaactgacag atacagcacg 60
ttattcaacc aattcaggtc aacaattgtt tgacgtctta gcagatgacc tactaacaga 120
tgaccaagat gagggtttct taattggtaa catttataag tacattaaac gccacaaaga 180
aaaaggtggc attactgacc ttgaaaa   207

<210>   906
<211>   206
<212>   DNA
<213>   Artificial Sequence

<400>   906
tggaacattg tcatgagaga cacgggcttt acattgggcg caaactactt tagtaatcag 60
acacgtactt taaactatga taatgagaca acagcagtgg agcgtctaag gagtattatt 120
tcagactgtg gaggcgctaa gtttaccatt gactttgagt ttgaaaacat gcagttaaaa 180
agtaaaacaa tgaacattgt agagga   206

<210>   907
<211>   206
<212>   DNA
<213>   Artificial Sequence

<400>   907
gtagagagga cgctataaag aaatacgggg ctgagtctaa acaggttcag tctctaagca 60

ctcaaatcaa taacgccaca gcaaaataca atggtttaac tagtcaacta gaaaaaacct 120
ccaaggacta cattgacgct aagagtggac taacacaact ttctaaagaa atgaaacaga 180
acgaacgtga gactcaacaa caagta 206

<210> 908
<211> 206
<212> DNA
<213> Artificial Sequence

<400> 908
ctttccaaca ataagcaacc tctttgcgta gttcctcatc tgttagttta ccgccttgtt 60
caaagtcaac atccgtctct ttgacttcta accccatgaa accctcatgt tctttcagtg 120
aaaacccatt gtgttcatgg tacaggtcac aacctagaat aggagttttc ttcgtgttaa 180
agagtttata aataagtcct ctatca 206

<210> 909
<211> 206
<212> DNA
<213> Artificial Sequence

<400> 909
cacaggttgg caagcaacac caccaaatgt aacaggtggt caatacctat ggacacgtat 60
tatctggaca tttacagaga atagtaacca aaccacctac tcagtggcgc gctttggtca 120
ggatggtatt agtgtgactg gtactcaatc agagtatgta caaacaacta gttctgtaga 180
acctacctca ggatggagta caacac 206

<210> 910
<211> 206
<212> DNA
<213> Artificial Sequence

<400> 910
gtgttgtact ccatcctgag gtaggttcta cagaactagt tgtttgtaca tactctgatt 60
gagtaccagt cacactaaga ccatcctgac caaagcgcgc cactgagtag gttgtttggt 120
tactattatc tgtaaatgtc cagataatac gtgtccatag gtattgacca cctgttacat 180
ttggtggtgt tgcttgccaa cctgtg 206

<210> 911
<211> 206
<212> DNA
<213> Artificial Sequence

<400> 911
tatccccacg agttccatcc gccacctacg tcataaaagc ccgcgtttgt gcgtgctgtt 60
tgaattactc gcccgttacc tactacgtgc gagaagaacc cactgttgac gggtctgcgc 120
atatgatcgt ctgcctcgtt ttgcgctgta gatgatgaat tccccgtact gtgtacgtga 180
atttgtccat acggtcttac ccctac 206

<210> 912
<211> 206
<212> DNA
<213> Artificial Sequence

<400> 912
tggtatttag aagtacgtga cagtctattt actggttata actctgctag ttatgataat 60
aatgtgctcc gtggttattt acaaggtaaa gacgcgtttc agttgtcaca ggctgttatt 120
aagtcagttg atagaggact tatttataaa ctctttaaca cgaagaaaac tcctattcta 180
ggttgtgacc tgtaccatga acacaa 206

<210> 913
<211> 206
<212> DNA
<213> Artificial Sequence

<400> 913

tgagaactca tttcaatagc gcgcttttgt gcctcaatag ctttctcagt taaggagatt 60
gaacgtttta gaccctcctg tttagcctca agtgcgcccg ctgagtcccc tgcgtctttt 120
agtgcttgta cttgttgttg agtctcacgt tcgttctgtt tcatttcttt agaaagttgt 180
gttagtccac tcttagcgtc aatgta   206

<210>   914
<211>   206
<212>   DNA
<213>   Artificial Sequence

<400>   914
agacgtcaag ggcgtttagc ataacctaag gaggcttaag cctccttttt tgtgttataa 60
tgattagaga tagaaaggag aatgattcaa tgaaaattga aaaacaaatg cgctcaggtt 120
taccacacgt aggggtaaga ccgtatggac aaattcacgt acacagtacg gggaattcat 180
catctacagc gcaaaacgag gcagac   206

<210>   915
<211>   206
<212>   DNA
<213>   Artificial Sequence

<400>   915
gtgttgtact ccatcctgag gtaggttcta cagaactagt tgtttgtaca tactctgatt 60
gagtaccagt cacactaaga ccatcctgac caaagcgcgc cactgagtag gttgtttggt 120
tactattctc tgtaaatgtc cagataatac gtgtccatag gtattgacca cctgttacat 180
ttggtggtgt tgcttgccaa cctgtg   206

<210>   916
<211>   205
<212>   DNA
<213>   Artificial Sequence

<400>   916
ccaatacaat acctacgcgc tcagaaatgt catcacagaa cgcgtctgta atacgttcag 60
cctcctcatc atgaggactg taggcgtgac agtctgtgtt gctctgtaac atggtaacat 120
ggtccctaat tccctcgtag aagtcagcca taattaattg cccaatcaca catgttagaa 180
attgaaaacg tgggtcatat aaccc   205

<210>   917
<211>   205
<212>   DNA
<213>   Artificial Sequence

<400>   917
gttgcctgac tgtaaatagc gtaagtatta caataaatga ctagcatgcc agcgtctagt 60
tttgaaattg gtagctgatt aagttgtgga acaaggtcct cgtaaatcaa ccacccttcc 120
ttagtaattc cctcaggaat atcgtctaat gaaagttgtt cataattata taactcttgt 180
tcttcttgct cgcgctcaat acgct   205

<210>   918
<211>   205
<212>   DNA
<213>   Artificial Sequence

<400>   918
tatactctgt catttaccca caagcgcaag agtttaaaag tggtgatagt gataataaag 60
taggtacgtt cttaggtaaa gttggggaca aggtatacga acttgtcaaa ggtaaccctc 120
aatttaatga gggatatttc aacgatagaa cgaacgataa gtacagatac cttggtgaat 180
gtgcgtattt tcaaaacggt gcgct   205

<210>   919
<211>   205
<212>   DNA
<213>   Artificial Sequence

<400> 919
accacgtata tagtttacca cgttctgtaa tgtgttggat gaacggggta gcatggtcat 60
tttgttctag tttaaagatt tttacgtaaa acgtacctac aaacgaaggg tctataacaa 120
acagcacttc tatcttattg attgctttat tttgggtagt tatactagca gaataccgca 180
cccagttgtc tgtacttgtg tttgt   205

<210> 920
<211> 205
<212> DNA
<213> Artificial Sequence

<400> 920
aaacaaggtt taggtataat taccctaagt gggtctccaa agctcagagg agagcttcta 60
gaggcgtcag gaacgcacta tgtatcaatc agctttcaat catcatggcg aacacctgaa 120
ttattgaaat ttatagataa agacactatg attgtttttg atgagtctca ctgtctagca 180
aacaggagcg caaacgtaac taagt   205

<210> 921
<211> 205
<212> DNA
<213> Artificial Sequence

<400> 921
tatactctgt catttaccca caagcgcaag agtttaaaag tggtgatagt gataataaag 60
taggtacgtt cttaggtcaa gttggggaca aggtatacga acttgtcaaa ggtaaccctc 120
aatttaaaga gggatatttc aacgatagaa cgaacgataa gtacagatac cttggtgaat 180
gtgcgtattt tcaaaacggt gcgct   205

<210> 922
<211> 205
<212> DNA
<213> Artificial Sequence

<400> 922
attctagagt caggaattgt aaagagtgct attacacaga tgattgacgt ctgcgatgcg 60
gtagatatgg gtaacctgtt agggggtaat gaaccagacc aaataattgg aaaaattggt 120
gacctcatga ataacctagc tactgcatac aatgacacaa ttgacgaact taactcgtca 180
aaataataaa aagcactaca cgttg   205

<210> 923
<211> 205
<212> DNA
<213> Artificial Sequence

<400> 923
ttaatcaagg aaattcgtga ggcacaagac gaacaaacag acgaggttaa ccctgacgag 60
caacctaagg atgaacaacc taaggatgat gaggcagacg aggttgaacc agaagaaaat 120
aaagatacat ctgtggacgc ggaacgtgct aaagcattag aggaagacgt ggacaaatta 180
gaaaaaggag aggctagaag tatgg   205

<210> 924
<211> 205
<212> DNA
<213> Artificial Sequence

<400> 924
acttagttac gtttgcgctc ctgtttgcta gacagtgaga ctcatcaaaa acaatcatag 60
tgtctttatc tataaatgtc aataattcag gtgttcgcca tgatgattga aagctgattg 120
atacatattg cgttcctgac gcctctagaa gctctcctct gagctttgga gacccactta 180
gggtaattat acctaaacct tgttt   205

<210> 925
<211> 205
<212> DNA
<213> Artificial Sequence

<400>   925
tcctatccct gaaaaagaat tgtttattgt tgactctcac gcgtgggtag caacaacggg 60
tggtggtatt gttcagacag aggctaacga tagaacaccc tatagacaat attccaaaca 120
ggggtattgt gaaatttctt cccgtcctga cggtcagtgt gattgggagg atatgttaaa 180
ttgggttttg gcgtttattg agaca   205

<210>   926
<211>   205
<212>   DNA
<213>   Artificial Sequence

<400>   926
tcatacattt ctgtagacga gtgggaaaag gcgtacacag acgaggagtt tgacatcaca 60
gggcgtgaag tatttattgg tatagaccta gcacgagtaa atgacttgac cgctgttacg 120
tgggttagtc ctatccctga aaaagaattg tttattgttg actctcacgc gtgggtagca 180
acaacgggtg gtggtattgt tcaga   205

<210>   927
<211>   205
<212>   DNA
<213>   Artificial Sequence

<400>   927
gggttatatg acccacgttt tcaatttcta acatgtgtga ttgggcaatt aattatggct 60
gacttctccg agggaatgag ggaccatgtt accatgttac cgagcaacac agactgtcac 120
gcctacattc ctcatgatga ggaggctgaa cgtattacag acgcgttctg tgatgacatt 180
tctgagcgcg taggtattgt attgg   205

<210>   928
<211>   205
<212>   DNA
<213>   Artificial Sequence

<400>   928
ttaatcaagg aaattcgtga ggcacaagac gaacaaacag acgaggttaa ccctgacgag 60
caacctaagg atgaacaccc taaggatgat gaggcagacg aggttgaacc agaagaaaat 120
aaagataaat ctgtggacgc ggaacgtgct aaagcattag aggaagacgt ggacaaatta 180
gaaaaaggag aggctagaag tatgg   205

<210>   929
<211>   205
<212>   DNA
<213>   Artificial Sequence

<400>   929
ttatacacaa tatctgatgg gatgagtttg ttgtcacgtt taatagcaac gctgtgttct 60
ttgagtagct catttaattc ctcagtgttt ctatatccca caatcgcatt ataagaccgt 120
ccacctacat actgtttctc ttctatacag tagcgttctc taaaagattt ccacgttcca 180
gagtataaac ctgcgatttt caatt   205

<210>   930
<211>   205
<212>   DNA
<213>   Artificial Sequence

<400>   930
ctttaaacta gaacaaaatg accatgctac cccgttcatc caacacatta cagaacgtgg 60
taaactatat acgtggtctt caattggcac aggactagac gcgtctacaa ttccaatgac 120
tcgcaccacg caaacatata ccattcaaaa tgaagctact aaagttctca gattgagcct 180
aaatgtatat ggtaatgcac acgtt   205

<210>   931
<211>   205
<212>   DNA

<213> Artificial Sequence

<400> 931
caacgtgtag tgctttttat tattttgacg agttaagttc gtcaattgtg tcattgtatg 60
cagtagctag gttattcctg aggtcaccaa tttttccaat tatttggtct ggttcattac 120
cccctaaaag gttacccata tctaccgcat cgcagacgtc aatcatctgt gtaatagcac 180
tctttacaat tcctgactct agaat 205

<210> 932
<211> 205
<212> DNA
<213> Artificial Sequence

<400> 932
catgggttaa aaaggactca gggtacaggc gatttactaa agtggtaatc tccatgagtc 60
gtaagaacgg taaatcatta ttaatcgcgg gtattgcatt atatgaactt ctttacgaac 120
gttcgcccat ggcgtcccgt caaatatatt ctacagccaa tacaaaagac caagcgtcta 180
tttgtttccg catgattaag acaca 205

<210> 933
<211> 205
<212> DNA
<213> Artificial Sequence

<400> 933
agcgtattga gcgcgagcaa gaagaacaag agttatataa ttatgaacaa ctttcattag 60
acgatattcc tgagggactt actaaggaag ggtggttgat ttacgaggac cttgttccac 120
aacttaatca gctaccaatt tcaaaactag acgctggcat gctagtcatt tattgtaata 180
cttacgctat ttacagtcag gcaac 205

<210> 934
<211> 205
<212> DNA
<213> Artificial Sequence

<400> 934
gggttatatg acccacgttt tcaatttcta acatgtgtga ttgggcaatt aattatggct 60
gacttctacg agggaatgag ggaccatgtt accatgttac agagcaacac agactgtcac 120
gcctacagtc ctcatgatga ggaggctgaa cgtattacag acgcgttctg tgatgacatt 180
tctgagcgcg taggtattgt attgg 205

<210> 935
<211> 205
<212> DNA
<213> Artificial Sequence

<400> 935
acttagttac gtttgcgctc ctgtttgcta gacagtgaga ctcatcaaaa acaatcatag 60
tgtctttatc tataaatgtc aataattcag gtgttcgcca tgatgattga aagctgattg 120
atacatagtg cgttcctgac gcctctagaa gctctcctct gagctttgga gacccactta 180
gggtaattat acctaaacct tgttt 205

<210> 936
<211> 205
<212> DNA
<213> Artificial Sequence

<400> 936
caacgtgtag tgctttttat tattttgacg agttaagttc gtcaattgtg tcattgtatg 60
cagtagctag gttattcctg aggtcaccaa tttttccaat tatttggtct ggttcattac 120
cccctaacag gttacccata tctaccgcat cgcagacgtc aatcatctgt gtaatagcac 180
tctttacaat tcctgactct agaat 205

<210> 937
<211> 205

<212> DNA
<213> Artificial Sequence

<400> 937
ccatacttct agcctctcct ttttctaatt tgtccacgtc ttcctctaat gctttagcac 60
gttccgcgtc cacagatgta tctttatttt cttctggttc aacctcgtct gcctcatcat 120
ccttagggtg ttcatcctta ggttgctcgt cagggttaac ctcgtctgtt tgttcgtctt 180
gtgcctcacg aatttccttg attaa   205

<210> 938
<211> 205
<212> DNA
<213> Artificial Sequence

<400> 938
ttatacacaa tatctgatgg gatgagtttg ttgtcacgtt taatagcaac gctgtgttct 60
ttgagtagct catttaagtc ctcagtgttt ctatatccca caatcgcatt ataagaccgt 120
ccacctacat actgtttctc ttctatacag tagcgttctc taaaagattt ccacgttcca 180
gagtataaac ctgcgatttt caatt   205

<210> 939
<211> 205
<212> DNA
<213> Artificial Sequence

<400> 939
tatactctgt catttaccca caagcgcaag agtttaaaag tggtgatagt gataataaag 60
taggtacgtt cttaggtcaa gttggggaca aggtatacga acttgtcaaa ggtaaccctc 120
aatttaatga gggatatttc aacgatagaa cgaacgataa gtacagatac cttggtgaat 180
gtgcgtattt tcaaaacggt gcgct   205

<210> 940
<211> 204
<212> DNA
<213> Artificial Sequence

<400> 940
cgtcaaaacg gatggcaccc gctaacattt caccgtagac attgtggtct tgccaacgta 60
ccgtcatttc agtacgattg aacaaagtaa tagcttgttc taagtcacca atgaataata 120
gtttatcatt tgtgtcgttt ttaaagatag cgtcaggaag tacaattacc tctttaccaa 180
acaatgtttt accacttgcc attg   204

<210> 941
<211> 204
<212> DNA
<213> Artificial Sequence

<400> 941
tggcgtcccg tcaaatatat tctacagcca atacaaaaga ccaagcgtct atttgtttcc 60
gcatgattaa gacacaacta caggctgtta gaaagaaatc taaacaggtt cgtgagttta 120
caaaagtaaa caaatatgac attgagacaa aagatgactc tttttgtaaa gctctagcct 180
cagactcatc tgtattagat gggt   204

<210> 942
<211> 204
<212> DNA
<213> Artificial Sequence

<400> 942
ggcaagacac tcatggcatt agaatcgttt aaaaaatcag ggctaaagaa actcgtagta 60
gtgtgccttg cgtctatggt gtctgattgg gcttctgagg ggtctaaaca aggtttaggt 120
ataattaccc taagtgggtc tccaaagctc agaggagagc ttctagaggc gtcaggaacg 180
caatatgtat caatcagctt tcaa   204

<210> 943

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

<400> 943
taaggaagtc ctacacattc gtgcaggttc caagactagt tacaagtcat acggtctgtt 60
acctaagggc gtcacgtttg aaacaaccaa acgtcaaacg ggtcaaaaga ttattaaaaa 120
caaccaaggg tattatgtaa ctaagaactc aggtaagaaa atacctgcct caggatgggt 180
cagtggatat tacctacaaa acac   204

<210> 944
<211> 204
<212> DNA
<213> Artificial Sequence

<400> 944
tgaaaatttt cccaatggat ggctctaacg cgcgcgtaaa cgaaccactc ctacatttct 60
ttctcagttt ttatgagtat gcagacacct caacatggag aggcaaagaa gttttcatac 120
aagggtggat aacaagcgat aacagacgta aactaataga ggaaatttct acctttttg 180
gtctaggtgt tgaggagtgg taac   204

<210> 945
<211> 204
<212> DNA
<213> Artificial Sequence

<400> 945
agtaatgact gagttactag ctaagttcga agcaacagaa gtaacttctc ttgatcaatt 60
gaaaacagcg tcaaacgtaa caattgaccc tgcttacaat caacgagttt ttgtttctca 120
aagcgcagtt gctcaattgg atacgttgaa agacgcagac ggacgataca ttattcaacc 180
aaacgtagca atggcaagtg gtaa   204

<210> 946
<211> 204
<212> DNA
<213> Artificial Sequence

<400> 946
gacagatatg cataatatgt attttatttt tgaccatgag gaatatattg agtcaaaatt 60
tgaactgaaa gaaaaggagg ctgtaaagga aacgggaatt gtacacaaag ccaaaatgta 120
cgtgcgtgtg aaaattttcc caatggatgg ctctaacgcg cgcgtaaacg aaccactcct 180
acatttcttt ctcagttttt atga   204

<210> 947
<211> 204
<212> DNA
<213> Artificial Sequence

<400> 947
cgtcaaaacg gatggcaccc gctaacattt caccgtagac attgtggtct tgccaacgta 60
ccgtcatttc agtacgtttg aacaaagtaa tagcttgttc taagtcacca atgaataata 120
gtttatcttt tgtgtcgttt ttaaagatag cgtcaggaag tacaattacc tctttaccaa 180
acaatgtttt accacttgcc attg   204

<210> 948
<211> 204
<212> DNA
<213> Artificial Sequence

<400> 948
tgtactgaga gcgtcaaaat tacctaccct acttacccca ttattgttgc tgaatgcgtc 60
tattgtgacg gaatatataa ctcctgctgg caagtagttg gttaataagt cattgctata 120
atagactctt ctgttagttg atgagtcgtt aaacaacact cgcatgttcc cgtttgaata 180
ttctatagtc gcaccatttc ctgt   204

<210>   949
<211>   204
<212>   DNA
<213>   Artificial Sequence

<400>   949
gtgttttgta ggtaatatcc actgacccat cctgaggcag gtattttctt acctgagttc 60
ttagttacat aatacccttg gttgttttta ataatctttt gacccgtttg acgtttggtt 120
gtttcaatcg tgacgccctt aggtaacaga ccgtatgact tgtaactagt cttggaacct 180
gcacgaatgt gtaggacttc ctta   204

<210>   950
<211>   204
<212>   DNA
<213>   Artificial Sequence

<400>   950
tgtactgaga gcgtcaaaat tacctaccct aattaaccca ttattgttgc tgaatgcgtc 60
tattgtgacg gaatatataa ctcctgctgg caagtagttg gttaataagt cattgctata 120
atagactatt ctgttagttg atgagtcgtt aaacaacact cgcatgttcc cgtttgaata 180
ttctatcgtc gcaccatttc ctgt   204

<210>   951
<211>   204
<212>   DNA
<213>   Artificial Sequence

<400>   951
cgtcaaaacg gatggcaccc gctaacattt caccgtagac attgtggtct tgccaacgta 60
ccgtcatttc agtacgattg aacaaagtaa tagcttgttc taagtcacca atgaataata 120
gtttatcttt tgtgtcgttt ttaaagatag cgtcaggaag tacaattacc tctttaccaa 180
acaatgtttt accacttgcc attg   204

<210>   952
<211>   203
<212>   DNA
<213>   Artificial Sequence

<400>   952
tataaacgcg tacagtgaag catactttta tgagttcgag gaaataaact ggtcagaacg 60
ttacgcaagc ggtgattttg gttttggact gtaataaacg aacgaggcaa cccaactagg 120
gttgtctgtt tcgtgttata atttataaag aagttataat tggaggaggt tcaccatgga 180
acgaattata tatttaccta tga   203

<210>   953
<211>   203
<212>   DNA
<213>   Artificial Sequence

<400>   953
tctttttcat ctacaatgtt tatcctatcg cctacattta aatcagaagg tacattgact 60
acgtttactt cataattaaa agcaggttga cttttctttt tcaattcact aacagcaagt 120
gaagccactt tacctttatc aagggtgtca tacgttacag cacgtgtgaa caaacctcct 180
gttgttgata agagtctgga cca   203

<210>   954
<211>   203
<212>   DNA
<213>   Artificial Sequence

<400>   954
gagcattagg tggtacacca gaggggtcaa acaaccccat tacattaagt gggttctcgt 60
gggttgaccc agatgggcgt tttaaacttg agaatggggt tatgattgac acgcaagaag 120
ctcctaactg gtccagactc ttatcaacaa caggaggttt gttcacacgt gctgtaacgt 180
atgacaccct tgataaaggt aaa   203

<210>   955
<211>   203
<212>   DNA
<213>   Artificial Sequence

<400>   955
cgtgtctcac ggagtttcag gcgtctcatt gggttacctt ttttagattg tgtttcaatg 60
ttctctgtaa caacaccctc ttttattccc cctgtcatgg ggtcataact catggcgtta 120
ccttctaatg ttttccaaag ttcaaacatg gtacgcgcgt tctctttttg ttgcttagtt 180
ggtgtgaaaa tagtgttcat taa   203

<210>   956
<211>   203
<212>   DNA
<213>   Artificial Sequence

<400>   956
catggctaac gcgttgccat ggaactcctc ctctagaact ctgttaaaca gcatatttaa 60
ctcatcatca aacccattac cgtttaatac cttgttaata tactccgttt taaattgctc 120
taacatactt atcccccttа gaataaatct tgacccgcat atacgcaaga gatgtttatc 180
catgcgcctg acggaatcgc act   203

<210>   957
<211>   203
<212>   DNA
<213>   Artificial Sequence

<400>   957
gaatatattg agtcaaaatt tgaactgaaa gaaaaggagg ctgtaaagga aacgggaatt 60
gtacacaaag ccaaattgta cgtgcgtttg aaaattttcc caatggatgg ctctaacgcg 120
cgcgtaaacg aaccactcct acatttcttt ctcagttttt atgattatgc agacacctca 180
acatggagag gcaaagaagt ttt   203

<210>   958
<211>   203
<212>   DNA
<213>   Artificial Sequence

<400>   958
cgtgtctcac ggagtttcag gcgtctcatt gggttacctt ttttagattg tgtttcaatg 60
ttctctgtaa caacaacctc ttttattccc cctgtcatgg ggtcataact catggcgtta 120
ccttctactg ttttccaaag ttcaaacatg gtacgcgcgt tctctttttg ttgcttagtt 180
ggtgtgaaaa tagtgttcat taa   203

<210>   959
<211>   203
<212>   DNA
<213>   Artificial Sequence

<400>   959
catggctaac gcgttgccat ggaactcctc ctctagaact ctgttaaaca gcatatttaa 60
ctcatcatca aaccccttac cgtttaatac cttgttaata tactccgttt taaattgctc 120
taacataatt atcccccttа gaataaatct tgacccgcat atacgcaaga gatgtttatc 180
catgcgcctg acggaatcgc act   203

<210>   960
<211>   203
<212>   DNA
<213>   Artificial Sequence

<400>   960
tctgtgtgta ttgtaggaat catcatgcct gttttctcct ttcgttcttc gtttattatg 60
ttagcatact ttttacgtca gcgcaagggg taacttgatg gggacacctt gttggtgtac 120
attttgatga taataattaa ataacaaaaa taataaaata acaaagggtg gtgtacggtt 180

ttttaagcgt tgggggacaa ggg 203

<210> 961
<211> 203
<212> DNA
<213> Artificial Sequence

<400> 961
gaatatattg agtcaaaatt tgaactgaaa gaaaaggagg ctgtaaagga aacgggaatt 60
gtacacaaag ccaaattgta cgtgcgtttg aaaattttcc caatggatgg ctctaacgcg 120
cgcgtaatcg aaccactcct acatttcttt ctcagttttt atgattatgc agacacctca 180
acatggagag gcaaagaagt ttt 203

<210> 962
<211> 203
<212> DNA
<213> Artificial Sequence

<400> 962
agtgcgattc cgtcaggcgc atggataaac atctcttgcg tatatgcggg tcaagattta 60
ttctaagggg gataagtatg ttagagcaat ttaaaacgga gtatattaac aaggtattaa 120
acggtaaggg gtttgatgat gagttaaata tgctgtttaa cagagttcta gaggaggagt 180
tccatggcaa cgcgttagcc atg 203

<210> 963
<211> 203
<212> DNA
<213> Artificial Sequence

<400> 963
ttaatgaaca ctattttcac accaactaag caacaaaaag agaacgcgcg taccatgttt 60
gaactttgga aaacagtaga aggtaacgcc atgagttatg accccatgac agggggaata 120
aaagagggtg ttgttacaga gaacattgaa acacaatcta aaaaaggtaa cccaatgaga 180
cgcctgaaac tccgtgagac acg 203

<210> 964
<211> 203
<212> DNA
<213> Artificial Sequence

<400> 964
tataaacgcg tacagtgaag catactttta tgagttcgag gaaataaact ggtcagaacg 60
ttacgcaagc ggtgagtttg gttttggact gtaataaacg aacgaggcaa cccaactagg 120
gttgtctgtt tcgtgttata atttataaag aagttataat tggaggaggt tcaccatgga 180
acgaattata tatttaccta tga 203

<210> 965
<211> 202
<212> DNA
<213> Artificial Sequence

<400> 965
gttcttagtt accttataat tgacagcatt actagcaccc cattctggta cagaaacccc 60
tgttgttcgt gtaaattcac tagttccgtc agacactagt gttggttgtt cagattgccc 120
actaggtctt atatttgggt taggttcgtc attgaatgag aaacggtctg ttcctgtttc 180
gttgaaagcg tatgcggtac gt 202

<210> 966
<211> 202
<212> DNA
<213> Artificial Sequence

<400> 966
tgaaaattca cagcggttat gatacgtata ataatggttc ctatagacat ttgtcagttc 60
gccaaaatac agaggtcgcc actaaatact tgtcagaggg tggtacgagt attcatttac 120

accagagtgg tagttattac tcatatgaga acctcaaggc gcagaatggg ctagacgaaa 180
gacatgataa ggagtttata ca 202

<210> 967
<211> 202
<212> DNA
<213> Artificial Sequence

<400> 967
atgcttgttt atcaaggttg aacatggcac aaataaacgc tttagcaagt aacccatcaa 60
cacaaccata gaagcgtagc tcagtggcgt ctacgtcttt ccaacaataa gcaacctctt 120
tgcgtaggtc ctcatctgtt agtttaccgc cttgttcaaa gtcaacatcc gtctctttga 180
cttctaaccc catgaaaccc tc 202

<210> 968
<211> 202
<212> DNA
<213> Artificial Sequence

<400> 968
tggttctgac catattgacc cctatccata cttgcgtaaa tggggaatta gtaaagagca 60
gtttgctaaa gacaataaaa atgggtttgg tggaaatagt tccaatactg acaacaaacc 120
taaaccaaaa ccacaaccgt ctaaaccaaa aatcacagac acacgtgatt tccctgtagg 180
tagtaaagta aaagtacgcg cc 202

<210> 969
<211> 202
<212> DNA
<213> Artificial Sequence

<400> 969
tcctcatctg ttagtttacc gccttgttca aagtcaccat ccgtcacttt gacttctaac 60
cccatgaaac cctcctgttc ttacagagaa aacccttttgt gttcatggta caggtcacaa 120
cctagaatag gagttttctt cgtgttaaag agtttataaa taagtcctct atcatctgac 180
ttaataacag cctgtgacaa ct 202

<210> 970
<211> 202
<212> DNA
<213> Artificial Sequence

<400> 970
cgttgtaccg cgcaaagcac tgtagccatt tgataggtat gcaggacgta ttgttgacac 60
tgctgtttta gttaatttag tggctcctgc tgttggtgta gccgttactg cgtcaaagat 120
tccccaagac tgtatactat tgtcctgtga accgtttaat aggatatttg gcgcagtgtc 180
ctcaggtaca gtgtccgtgg ta 202

<210> 971
<211> 202
<212> DNA
<213> Artificial Sequence

<400> 971
tccatctttg gctttgctat agataacatg gtctctcata tgctcaccca tatatgaacc 60
acgcttaccg ctcaattttg ctttactgtt agaccagtat ggtacgcgtt tgctaaattc 120
ctcagcaacc tcaggcgcta tgtcgttcat tattttattt gcctcacggt ctaagtcttt 180
acctagttca ccaagcgctt tg 202

<210> 972
<211> 202
<212> DNA
<213> Artificial Sequence

<400> 972
cgttgtaccg cgcaaagcac tgtagccatt tgataggtat gcaggacgta ttgttgacac 60

tgctgtttta gttactttag tggctcctgc tgttggtgta gccgttactg cgtcaaagat 120
tccccaatac tgtatactat tgtcctgtga accgtttaat aggatatttg gcgcagtgtc 180
ctcaggtaca gtgtccgtgg ta   202

<210>   973
<211>   202
<212>   DNA
<213>   Artificial Sequence

<400>   973
tgttgtctca ttatcatagt ttaaagtacg tgtctgatta ctaaagtagt ttgcgcccaa 60
tgtaaagccc gtgtctctca tgacaatgtt ccagtagtat tgaaacgatt gaggtgacgt 120
ggttttatta gcaggtacaa cattattaag taagtcaagt gcaccatctt cacaacttat 180
ctcacgtgtt cccgccaatg gg   202

<210>   974
<211>   202
<212>   DNA
<213>   Artificial Sequence

<400>   974
tctttcatat agttatcaac aatttcgcct atattgtctg agtttctgac cataatggtc 60
tctagaaaca aatcaccgcg tgagttagta atcattagta gaattttagt cattttctt 120
accctcacca tatccgtcaa ggtatgccac tgcctcacgt atcgttgtat catgtttaat 180
cttgtctcta aactcctcag cg   202

<210>   975
<211>   202
<212>   DNA
<213>   Artificial Sequence

<400>   975
gttcttagtt accttataat tgacagcatt actagcaccc cattctggta cagaaacccc 60
tgttgttcgt gtaatttcac tagttccgtc agacactagt gttggttgtt cagattgccc 120
actaggtatt atatttgggt taggttcgtc attgaatgag aaacggtctg ttcctgtttc 180
gttgaaagcg tatgcggtac gt   202

<210>   976
<211>   202
<212>   DNA
<213>   Artificial Sequence

<400>   976
ttacattttg atgaatcaca agagcagtta gttaaagtta aagaaatggc gcagttgggt 60
aattatctaa tttatagacg acataacgga gatagtgcct gtcttactat catggacttc 120
acacacaccc cattggcggg aacacgtgag ataagttgtg aagatggtgc acttgactta 180
cttaataatg ttgtacctgc ta   202

<210>   977
<211>   202
<212>   DNA
<213>   Artificial Sequence

<400>   977
agcttgtttg aattgttttg ttagtttgtc aagtgtatta cctagttcag cggttccgtc 60
aatacctaaa ccaaacttca tatttcctac tggttttccg ctttgcacca tgtgttaatc 120
agctcctatt ttctctagct tttcaagttc ctcaggactt aagaaacgct taataaagtc 180
agcgccatcc atcacctttt ct   202

<210>   978
<211>   202
<212>   DNA
<213>   Artificial Sequence

<400>   978

tttatacgct acagacctaa tgactactgt ggcattcagt gagtaccttg ataaaacagg 60
taagaaaatt gatttgttac tcctagaggc taactatgac ggtgctgtaa ttggttatag 120
tgaatatctg aaaattcaca gcggttatga tacgtataat aatggttcct atagacattt 180
gtcagttcgc caaaatacag ag   202

<210>   979
<211>   202
<212>   DNA
<213>   Artificial Sequence

<400>   979
ttctgtacat ctttagacaa tgcgtctaaa gacttttcta tcacgtgttg aggtggttgt 60
ttgatagttc caaactcaat aaagtgcgcg cgccacgcaa cctcatcatc aaagccaatt 120
tctacatctc catctttggc tttgctatag ataacatggt ctctcatatg ctcacccata 180
tatgaaccac gcttaccgct ca   202

<210>   980
<211>   202
<212>   DNA
<213>   Artificial Sequence

<400>   980
tactacgtta agcgcgtata gtgctaattc agtaggtgag tcaccgtcaa ttaatacagt 60
atcaataaca ttagacacag ttactaaagc actgaagaca agtaactcag cagactcaat 120
acccgttttc tcatttaact cacgcgcctt ttcaaccact aaatcaccta attttgtagt 180
atctaaattc atgtctattt tc   202

<210>   981
<211>   202
<212>   DNA
<213>   Artificial Sequence

<400>   981
tctttcatat agttatcaac aatttcgcct atattgtctg agtttctgac cataatggtc 60
tctagaaaca aatccccgcg tgagttagta atcattagta gaattttagt catttttctt 120
accctcaaca tatccgtcaa ggtatgccac tgcctcacgt atcgttgtat catgtttaat 180
cttgtctcta aactcctcag cg   202

<210>   982
<211>   202
<212>   DNA
<213>   Artificial Sequence

<400>   982
tctttcatat agttatcaac aatttcgcct atattgtctg agtttctgac cataatggtc 60
tctagaaaca aatccccgcg tgagttagta atcattagta gaattttagt catttttctt 120
accctcacca tatccgtcaa ggtatgccac tgcctcacgt atcgttgtat catgtttaat 180
cttgtctcta aactcctcag cg   202

<210>   983
<211>   202
<212>   DNA
<213>   Artificial Sequence

<400>   983
tggttctgac catattgacc cctatccata cttgcgtaaa tggggaatta gtaaagagca 60
gtttgctaaa gacaataaaa atgggtttgg tggaaatagt tccaatactg acaacaaacc 120
taaaccacaa ccacaaccgt ctaaaccaaa aatcacagac acacgtgatt tccctgtagg 180
tagtaaagta aaagtacgcg cc   202

<210>   984
<211>   202
<212>   DNA
<213>   Artificial Sequence

<400> 984
taccacggac actgtacctg aggacactgc gccaaatatc ctattaaacg gttcacagga 60
caatagtata cagtcttggg gaatctttga cgcagtaacg gctacaccaa cagcaggagc 120
cactaaagta actaaaacag cagtgtcaac aatacgtcct gcatacctat caaatggcta 180
cagtgctttg cgcggtacaa cg 202

<210> 985
<211> 202
<212> DNA
<213> Artificial Sequence

<400> 985
gaaaatagac atgaatttag atactacaaa attaggtgat ttagtggttg aaaaggcgcg 60
tgagttaaat gagacaacgg gtattgagtc tgctgagtta cttgtcttca gtgctttagt 120
aactgtgtct aatgttattg atactgtatt aattgacggt gactcaccta ctgaattagc 180
actatacgcg cttaacgtag ta 202

<210> 986
<211> 202
<212> DNA
<213> Artificial Sequence

<400> 986
gttcttagtt accttataat tgacagcatt actagcaccc cattctggta cagaaacccc 60
tgttgttcgt gtaatttcac tagttccgtc agacactagt gttggttgtt cagattgccc 120
actaggtctt atatttgggt taggttcgtc attgaatgag aaacggtctg ttcctgtttc 180
gttgaaagcg tatgcggtac gt 202

<210> 987
<211> 202
<212> DNA
<213> Artificial Sequence

<400> 987
agaaaaggtg atggatggcg ctgactttat taagcgtttc ttaagtcctg aggaacttga 60
aaagctagag aaaataggag ctgattaaca catggtgcaa agcggaaaac cagtaggaaa 120
tatgaagatt ggtttaggta ttgacggaac cgctgaacta ggtaatacac ttgacaaact 180
aacaaaacaa ttcaaacaag ct 202

<210> 988
<211> 201
<212> DNA
<213> Artificial Sequence

<400> 988
tttgcgtggt gcgagtcatt ggaattgtag acgcgtctag tcctgtgcca attgaatacc 60
acgtatatag tttaccacgt tctgtaatgt gttggatgaa cggggtagca tggtcatttt 120
gttctagatt aaagtttttt acgtaaaacg tacctacaaa cgaagggtct ataacaaaca 180
gcacttctat cttattgatt g 201

<210> 989
<211> 201
<212> DNA
<213> Artificial Sequence

<400> 989
taggttctaa ataagcttta ccgttgtcag aggtatatac ctctaatgtg tcacctgtgt 60
tagggacacc accaattttg tttaggtcct cgttaaatcg ctctgtaacc tcatcttttt 120
tagtccagtc ttttgtctta ctattgtagt cctctttgta caatgttaat gtgtacagtt 180
tagaatagtc ctcaggacac a 201

<210> 990
<211> 201
<212> DNA
<213> Artificial Sequence

<400> 990
agcacttgta aacaactttt tacatccctt tttataaaat aatatggtat aatatgtgta 60
tacttattat acattgtttt tctccctaaa aagcactaca cgctgattcc tcccaacgtg 120
tagtgctgtt tattattttg acgagttaag ttcgtcaatt gtgtcattgt atgcagtagc 180
taggttattc atgaggtcac c 201

<210> 991
<211> 201
<212> DNA
<213> Artificial Sequence

<400> 991
catgagtttg acctaaataa aaaaggtaag cccgtagcta aaggaacgta tactgaccct 60
aatactggtt atggtatgga ttttggcgcg ggaggtgtcc acggagctgg tgaactgctt 120
attcacattg gacgctgtct catgcgtgac tacggtagtt tgtaccctaa tgtgtatgtg 180
aattttgatg ttctttctcg t 201

<210> 992
<211> 201
<212> DNA
<213> Artificial Sequence

<400> 992
gcggatagcc tagcacaatt ccaagtgcat aatcttctcc gtgttttctt gacaatttag 60
aaaactcatc caagtgctct aacttggaga caacaagcat gccactatat acgtaagttg 120
tgaagtgttc ccttacaata tttgtaagtt ctgacaccct aataaagatg gcgtctctca 180
gtcccaaatt aaatgccaca g 201

<210> 993
<211> 201
<212> DNA
<213> Artificial Sequence

<400> 993
aacgatatac cattgttgga gtaggcagcc ttttcgtgca ggttgatggt attgatgaat 60
ggttctacta tgaccgtttt gaacgtgact atgttaatga gggaattgaa tatagtttga 120
aagataatca tggtgctacc ttgagtgtcg ctaggttata taaagataaa acagtgatta 180
aaattactga ttttacgaat g 201

<210> 994
<211> 201
<212> DNA
<213> Artificial Sequence

<400> 994
catgagtttg acctaaataa aaaaggtaag cccgtagcta aaggaacgta tactgaccct 60
aatactggtt atgttatgga gtttggcgcg ggaggtgtcc acggagctgt tgaacagctt 120
attcacagtg gacgctttct catgcgtgac tacggtagtt tgtaccctaa tgtgtatgtg 180
aattttgatg ttctttctcg t 201

<210> 995
<211> 201
<212> DNA
<213> Artificial Sequence

<400> 995
ttactcgtgc taggtctata ccaataaata cttcacgccc tgtgatgtca aactcctcgt 60
ctgtgtacgc cttgtcccac tcgtctacag aaatgtatga cgttgcttgg tccgcaaccc 120
aaaaattaag ctccttagtt aggaagttgg tgagattacc tttagcctct ccctctgtct 180
ttttagcccg tttgtgttct a 201

<210> 996
<211> 201
<212> DNA

<213> Artificial Sequence

<400> 996
gtttatatac ttatgcgttt gttctaagga gtgatacaat gaaatacaac caatttaagg 60
ggtttcctct cattgcgcgt actaaaattc ccgcgataaa tgagtggcaa gctcaagaga 120
gttacaaaac attaggtaat attagaaaca tgaataaagg ggtcttatgt ggggaacaat 180
acaaattatt agtagtagac t   201

<210> 997
<211> 201
<212> DNA
<213> Artificial Sequence

<400> 997
aagtgattca taactagagt ccatttttga gaagtcgttt agcatacttt gagtaacatc 60
agcctgtgtc gctttgccgt ctttgaatgc ttgaaaaacg tctcttgttt tctgagaaaa 120
catatccctg ttgtcatcta gccgtccgtc aacaatagag ataccaattt cttttactag 180
gtcgttcacc ttatcaaggt t   201

<210> 998
<211> 201
<212> DNA
<213> Artificial Sequence

<400> 998
agcacttgta aacaactttt tacatccctt tttataaaat aatatggtat aatatgtgta 60
tacttattat acagtgtttt tctccctaaa aagcactaca cgctgattcc tcccaacgtg 120
tagtgctttt tattattttg acgagttaag ttcgtcaatt gtgtcattgt atgcagtagc 180
taggttattc atgaggtcac c   201

<210> 999
<211> 201
<212> DNA
<213> Artificial Sequence

<400> 999
tccaagggaa gtttttccgt atttggttat aacaaccaac attcaggtgg tctccatgaa 60
tgtgacttat aaacagtaag tgacagtcct gtaaatcttt ttttaatact ttaaatgaaa 120
gtcctatatc aatcatcatt tttataccat tctgaaatgt taatttaacc gcgttaccta 180
ctgacccact gcttataatc t   201

<210> 1000
<211> 201
<212> DNA
<213> Artificial Sequence

<400> 1000
ggaataccca agttaaatca ctagcctcaa tgtaaatgct atctgtttct aagtcaagca 60
atgcctcacg tccaatgagt aactcctcct tacctacagg cggttctact gtacctgtaa 120
caataaccgg tgtcactttt gcttttcgcc atttattaat cgttacagta atcatttatt 180
tttcctcctt attagacatt a   201

<210> 1001
<211> 201
<212> DNA
<213> Artificial Sequence

<400> 1001
tttgcgtggt gcgagtcatt ggaattgtag acgcgtctag tcctgtgcca attgaatacc 60
acgtatatag tttcccacgt tctgtaatgt gttggatgaa cggggtagca tggtcatttt 120
gttctagttt aaagtttttt acgtaaaacg tacctacaaa cgaagggtct ataacaaaca 180
gcacttctat cttattgatt g   201

<210> 1002
<211> 201

<212> DNA
<213> Artificial Sequence

<400> 1002
aaccttgata aggtgaacga cctagtaaaa gaaattggta tctctattgt tgacggacgg 60
ctagatgaca acatggatat gttttctcag aaaacaagag acgtttttca agcattcaaa 120
gacggcacag cgacacaggc tgatgttact caaagtatgc taaacgactt ctcaaaaatg 180
gactctagtt atgaatcact t   201

<210> 1003
<211> 201
<212> DNA
<213> Artificial Sequence

<400> 1003
ttctaaatgg gatgaggtac aagttacctt tgaacgattt agagagggct atgaggctcc 60
tacgtggctt acgtttgata tgttcaaaac catgcaccca catttagcca atgtgaatgt 120
aactcagaca aaaataaatg agtcccttac ctcattcttt gaacgatttg acagtgacta 180
caggcaactc aaagcgtggt a   201

<210> 1004
<211> 201
<212> DNA
<213> Artificial Sequence

<400> 1004
gcggatagcc tagcacaatt ccaagtgcat aatcttctcc gtgttttctt gacaatttag 60
aaaactcatc caattgctct aacttggaga caacaagcat gccactatat acgtaagttg 120
tgaagtggtc ccttacaata tttgtaagtt ctgacaccct aataaagatg gcgtctctca 180
gtcccaaatt aaatgccaca g   201

<210> 1005
<211> 201
<212> DNA
<213> Artificial Sequence

<400> 1005
agattataag cagtgggtca gtaggtaacg cggttaaatt aacatttcag aatggtataa 60
aaatgatgat tgagatagga ctttcattta aagtattaaa aaaagattta caggactgtc 120
acttactttt tataagtcac attcatggag accacctgaa tgttggttgt tataaccaaa 180
tacggaaaaa cttcccttgg a   201

<210> 1006
<211> 201
<212> DNA
<213> Artificial Sequence

<400> 1006
gcattagttg cccctgcggt tataccctca aatttatacg ttgaaggtgt gtcaccttgt 60
tttattgttt gccatgtact gagagcgtca aaattaccta ccctaattaa cccattattg 120
ttgctgactg cgtctattgt gacggaatat ttaactcctg ctggcaagta gttggttaat 180
aagtcattgc tataatagac t   201

<210> 1007
<211> 201
<212> DNA
<213> Artificial Sequence

<400> 1007
tccttagtta tcttacattt attatattat cagacgatta gtcatctgtc aacactattt 60
ttaaacttct ttcaaaattt ttctcaagtc tctaagttgt gcgtctgtta agtgtacgct 120
tactacaaca ttcgtaaaat cagtaatttt aatcactgtt ttatctttat ataacctagc 180
gacactcaag gtagcaccat g   201

<210> 1008

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

<400> 1008
taggttctaa ataagcttta ccgttgtcag aggtatatac ctctaatgtg tcacctgtgt 60
tagggacacc acccatttg tttaggtcct cgttaaatcg ctctgtaacc tcatcttttt 120
tagtccattc ttttgtctta ctattgtagt cctctttgta caatgttaat gtgtacagtt 180
tagaatagtc ctcaggacac a   201

<210> 1009
<211> 201
<212> DNA
<213> Artificial Sequence

<400> 1009
tttatcaagg tactcactga atgccacagt agtcattagg tctgtagcgt ataaaaaact 60
ttgaccgttt gaggttccga taatgcctaa gttttgaacc tcatgaggag cgtctaaaaa 120
cgtacacact acgccactca cgtcaatagt ggtaccgtgt tccactataa tgttaacggg 180
tgccttacct tttgaaacaa g   201

<210> 1010
<211> 201
<212> DNA
<213> Artificial Sequence

<400> 1010
ttactcgtgc taggtctata ccaataaata cttcacgccc tgtgatgtca aactcctcgt 60
ctgtgtacgc cttttcccac tcgtctacag aaatgtatga cgttgcttgg tccgcaaccc 120
aaaaattcag ctccttagtt aggaagttgg tgagattacc tttagcctct ccctctgtct 180
ttttagcccg tttgtgttct a   201

<210> 1011
<211> 201
<212> DNA
<213> Artificial Sequence

<400> 1011
cttgtttcaa aaggtaaggc acccgttaac attatagtgg aacacggtac cactattgac 60
gtgagtggcg tagagtgtac gtttttagac gctcctcatg aggttcaaaa cttaggcatt 120
atcggaaact caaacggtca aagtttttta tacgctacag acctaatgac tactgtggca 180
ttcagtgagt accttgataa a   201

<210> 1012
<211> 201
<212> DNA
<213> Artificial Sequence

<400> 1012
tttatcaagg tactcactga atgccacagt agtcattagg tctgtagcgt ataaaaaact 60
ttgaccgttt gagtttccga taatgcctaa gttttgaacc tcatgaggag cgtctaaaaa 120
cgtacacact acgccactca cgtcaatagt ggtaccgtgt tccactataa tgttaacggg 180
tgccttacct tttgaaacaa g   201

<210> 1013
<211> 201
<212> DNA
<213> Artificial Sequence

<400> 1013
agcacttgta aacaactttt tacatccctt tttataaaat aatatggtat aatatgtgta 60
tacttattat acagtgtttt tctccctaaa aagcactaca cgctgattcc tcccaacgtg 120
tagtgctgtt tattattttg acgagttaag ttcgtcaatt gtgtcattgt atgcagtagc 180
taggttattc atgaggtcac c   201

<210> 1014
<211> 201
<212> DNA
<213> Artificial Sequence

<400> 1014
caatcaataa gatagaagtg ctgtttgtta tagacccttc gtttgtaggt acgttttacg 60
taaaaaactt taatctagaa caaaatgacc atgctacccc gttcatccaa cacattacag 120
aacgtgggaa actatatacg tggtattcaa ttggcacagg actagacgcg tctacaattc 180
caatgactcg caccacgcaa a   201

<210> 1015
<211> 201
<212> DNA
<213> Artificial Sequence

<400> 1015
agtctactac taataatttg ttttggtccc cacataagac ccctttattc atgtttctta 60
ttttacctaa tgtattgtaa ctctcttgag cttgccactc ttttatcgcg ggaattttag 120
tacgcgcatt gagaggaaac cccttaaatt ggttgtattt cattgtatca ctccttagaa 180
caaacgcata agtatataaa c   201

<210> 1016
<211> 201
<212> DNA
<213> Artificial Sequence

<400> 1016
aagtgattca taactagagt ccatttttga gaagtcgttt agcatacttt gagtaacatc 60
agcctgtgtc gctgtgccgt ctttgaatgc ttgaaaaacg tctcttgttt tctgagaaaa 120
catatccctg ttgtcatcta gccgtccgtc aacaatagag ataccaattt cttttactag 180
gtcgttcacc ttatcaaggt t   201

<210> 1017
<211> 201
<212> DNA
<213> Artificial Sequence

<400> 1017
gcggatagcc tagcacaatt ccaagtgcat aatcttctcc gtgttttctt gacaatttag 60
aaaactcatc caagtgctct aacttggaga caacaagcat gccactatat acgtaagttg 120
tgaagtggtc ccttacaata tttgtaagtt ctgacaccct aataaagatg gcgtctctca 180
gtcccaaatt aaatgccaca g   201

<210> 1018
<211> 201
<212> DNA
<213> Artificial Sequence

<400> 1018
taggttctaa ataagcttta ccgttgtcag aggtatatac ctctaatgtg tcacctgtgt 60
tagggacacc acccattttg tttaggtcct cgttaaatcg ctctgtaacc tcatcttttt 120
tagtccagtc ttttgtctta ctattgtagt cctctttgta caatgttaat gtgtacagtt 180
tagaatagtc ctcaggacac a   201

<210> 1019
<211> 201
<212> DNA
<213> Artificial Sequence

<400> 1019
catgagtttg acctaaataa aaaaggtaag cccgtagcta aaggaacgta tactgaccct 60
aatactggtt atggtatgga gtttggcgcg ggaggtgtcc acggagctgt tgaacagctt 120
attcacagtg gacgctttct catgcgtgac tacggtagtt tgtaccctaa tgtgtatgtg 180
aattttgatg ttctttctcg t   201

<210> 1020
<211> 201
<212> DNA
<213> Artificial Sequence

<400> 1020
ttctaaatgg gatgaggtac aagttacctt tgaacgattt agagagggct atgaggctcc 60
tacgtggctt acgattgata tgttcaaaac catgcaccca catttagcca atgtgaatgt 120
aactcagaca aaaataaatg agtcccttac ctcattcttt gaacgatttg acagtgacta 180
caggcaactc aaagcgtggt a   201

<210> 1021
<211> 201
<212> DNA
<213> Artificial Sequence

<400> 1021
tccaagggaa gtttttccgt atttggttat aacaaccaac attcaggtgg tctccatgaa 60
tgtgacttat aaacagtaag tgacagtcct gtaaatcttt ttttaatact ttaaatgaaa 120
gtcctatctc aatcatcatt tttataccat tctgaaatgt taatttaacc gcgttaccta 180
ctgacccact gcttataatc t   201

<210> 1022
<211> 201
<212> DNA
<213> Artificial Sequence

<400> 1022
tagaacacaa acgggctaaa aagacagagg gagaggctaa aggtaatctc accaacttcc 60
taactaagga gctgaatttt tgggttgcgg accaagcaac gtcatacatt tctgtagacg 120
agtgggacaa ggcgtacaca gacgaggagt ttgacatcac agggcgtgaa gtatttattg 180
gtatagacct agcacgagta a   201

<210> 1023
<211> 200
<212> DNA
<213> Artificial Sequence

<400> 1023
gtactacgtt aagcgcgtat agtgctaatt cagtaggtga gtcaccgtca attaatacag 60
tatcaataac attagtcaca gttactaaag cactgaagac aagtaactca gcagactcaa 120
tacccgtgtt ctcatttaac tcacgcgcct tttcaaccac taaatcacct aattttgtag 180
tatctaaatt catgtctatt   200

<210> 1024
<211> 200
<212> DNA
<213> Artificial Sequence

<400> 1024
gcgttgccat ggaactcctc ctctagaact ctgttaaaca gcatatttaa ctcatcatca 60
aacccattac cgattaatac cttgttaata tactccgttt taaattgctc taacataatt 120
atccccctta gaataaatct tgacccgcat atacgcaaga gatgtttatc catgcgcctg 180
acggaatcgc actatctact   200

<210> 1025
<211> 200
<212> DNA
<213> Artificial Sequence

<400> 1025
tttctttttt gttctttaaa cgctttttgt gaccgttgtg ccactgctac agttgtatca 60
tcatatgcgg gacttgaaac tagtgaaatc tctaccaatc taccaatttg gtcaattgtg 120
cggtgatatg tgtctgtgtt tgcgttgtat gaccacgtat cacttttaac cataaaccca 180

aacgaacact gtgataggtc 200

<210> 1026
<211> 200
<212> DNA
<213> Artificial Sequence

<400> 1026
caacgtacac accgtactct ttttcaacgt tttctggtgt catttcattt accccacttt 60
ctcaacgtga caaatctcaa tttctgagta gtctaaatgt tcttcatatt caaggtactg 120
taaccctgta ttaatagctt gttcaatagt atatgcgtca acgtgaatac tacagcaata 180
gtgctcatca atgttacggt 200

<210> 1027
<211> 200
<212> DNA
<213> Artificial Sequence

<400> 1027
agtagatagt gcgattccgt caggcgcatg gataaacatc tcttgcgtat atgcgggtca 60
agatttattc tatgggggat aattatgtta gagcaattta aaacggagta tattaacaag 120
gtattaaacg gtaatgggtt tgatgatgag ttaaatatgc tgtttaacag agttctagag 180
gaggagttcc atggcaacgc 200

<210> 1028
<211> 200
<212> DNA
<213> Artificial Sequence

<400> 1028
acccctctgg tgtaccacct aatgctcgta ttgctgtagt taactcataa atgttacctg 60
tagttacgat tgaatctacg tcacgcccaa cacgtagagt aatatctttc tcgtccccca 120
tctcctctac aatgttcatt gttttacttt ttaactgcat gttttcaaac tcaaagtcaa 180
tggtaaactt agcgcctcca 200

<210> 1029
<211> 200
<212> DNA
<213> Artificial Sequence

<400> 1029
ttctcattta actcacgcgc cttttcaacc actaaatcac ctaattttgt agtatctaaa 60
ttcatgtcta ttgtcctccc ttatttggtt gaaacaacca tttagaaaac attagtgaca 120
accctataac taatggcgtt aggtatgcaa tcaattttct gagtcctccc acgctttaat 180
gaacccctca atttctttga 200

<210> 1030
<211> 200
<212> DNA
<213> Artificial Sequence

<400> 1030
aaccattgtt ttcctcctta atattcaaca ctaacaatgt agtacggttg tattactaca 60
ttcacgggca cagagcttag tagcataatc tgaaaaacct ctcctgtttg catacgttca 120
ataacaatct ctggggaacc cttatatgtg taagagcgtc cgttgaccat gcagatggta 180
atggtacggg tctcattgct 200

<210> 1031
<211> 200
<212> DNA
<213> Artificial Sequence

<400> 1031
ataattaatt gcccaatcac acatgttaga aattgaaaac gtgggtcata taacccatta 60
aactctgcac ctgtggcacc aaacaatgta ttaataggca attttacccc atttactaac 120

acatacagtg gtaacgttac ttcgttcatt gtaatctctg tttcatctgt atatttagcc 180
tctagacgtt tatctaagag   200

<210>   1032
<211>   200
<212>   DNA
<213>   Artificial Sequence

<400>   1032
gcagaatacc gcacccagtt gtctgtactt gtgtttgtga ttgagacttt tccatcttcg 60
cgcgtactat cagagtaggt aacacgcaca attaattctg ttgttgctag actaccagtc 120
caccccttag agatgaatac actccctgat acagtgtacg ttgtaccgcg caaagcactg 180
tagccatttg ataggtatgc   200

<210>   1033
<211>   200
<212>   DNA
<213>   Artificial Sequence

<400>   1033
ctagtaatcg tttatccatg tttcacactc cttattatgt ttcttaaata attataacac 60
gcgtttatta accgcgggtg agttagctgt atcacattaa ttctaaaatg tcaagttcta 120
attctaagtt tctttttttgt tctttaaacg ctttttgtga ccgttgtgcc actgctacag 180
ttgtatcatc atatgcggga   200

<210>   1034
<211>   200
<212>   DNA
<213>   Artificial Sequence

<400>   1034
tactacgtca aaacggatgg cacccgctaa catttcaccg tagacattgt ggtcttgcca 60
acgtaccgtc atttcagtac gtttgaacaa agtaatagct tgttctaagt caccaatgaa 120
taatagtgta tcatttgtgt cgtttttaaa gatagcgtca ggaagtacaa ttacctcttt 180
accaaacaat gttttaccac   200

<210>   1035
<211>   200
<212>   DNA
<213>   Artificial Sequence

<400>   1035
gatgaggtac aagttacctt tgaacgattt agagagggct atgaggctcc tacgtggctt 60
acgtttgata tgatcaaaac catgcaccca catttagcca atgtgaatgt aactcagtca 120
aaaataaatg agtcccttac ctcattcttt gaacgatttg acagtgacta caggcaactc 180
aaagcgtggt accctatacg   200

<210>   1036
<211>   200
<212>   DNA
<213>   Artificial Sequence

<400>   1036
gcagaatacc gcacccagtt gtctgtactt gtgtttgtga ttgagacttt tccatcttcg 60
cgcgtactat catagtaggt aacacgcaca attaattctg ttgttgctag actaccagtc 120
caccctgag agatgaatac actccctgat acagtgtacg ttgtaccgcg caaagcactg 180
tagccatttg ataggtatgc   200

<210>   1037
<211>   200
<212>   DNA
<213>   Artificial Sequence

<400>   1037
cgcaaccaac gaacctctat tctagctgta tatgcaaaca acggtttaga cctaatggag 60

gcagtacagc aatatgagaa agtacgcgct gagggaatgc gtttacagga gcaagaaata 120
gaaaagacag tgactatacg cgtggatggg gaacaggatg aagttgagga tgagtttgtt 180
attgttaaga ttgctaaaaa   200

<210>   1038
<211>   200
<212>   DNA
<213>   Artificial Sequence

<400>   1038
ggcgtgtaaa ttgtacatga caacctgttt cagtgaacct cttgacgaga gtgagtttga 60
aataacacta atgagtaatt ggaaacgtga aaaaggtaga tgattatatg acacctgtta 120
ttaatgacag caatgagacc cgtaccatta ccatctgcat ggtcaacgga cgctcttaca 180
catataaggg ttccccagag   200

<210>   1039
<211>   200
<212>   DNA
<213>   Artificial Sequence

<400>   1039
tgtactgaga gcgtcaaaat tacctaccct aattaaccca ttattgttgc tgaatgcgtc 60
tattgtgacg gactatttaa ctcctgctgg caagtagttg gttaataagt cattgctata 120
atagactctt ctgttagttg atgagtcgtt aaacaacact cgcatgttcc cgtttgaata 180
ttctatagtc gcaccatttc   200

<210>   1040
<211>   200
<212>   DNA
<213>   Artificial Sequence

<400>   1040
tggtaacgtt acttcgttca ttgtaatctc tgtttcatct gtatatttag cctctagacg 60
tttatctaag aggtctttca ctaggtgctt attctcctca ggtacgttac gagaaagaac 120
atcaaaattc acatacacat tagggtacaa actaccgtag tcacgcatga gaaagcgtcc 180
aatgtgaata agctgttcaa   200

<210>   1041
<211>   200
<212>   DNA
<213>   Artificial Sequence

<400>   1041
gcgtctattg tgacggaata tttaactcct gctggcaagt agttggttaa taagtcattg 60
ctataataga ctattctgtt agttgatgag tcgttaaaca acactcgcat gttcccgttt 120
gaatattata tagtcgcacc atttcctgtc caaccattaa tagttgggtc tttcgagaaa 180
tcataattca atactaaatt   200

<210>   1042
<211>   200
<212>   DNA
<213>   Artificial Sequence

<400>   1042
tgtatacact tttatagaga cggacgttat tatgctacaa ttgacaaaaa aggttttagt 60
ggtggttatc accttaaaca aacactaaat taggggagga atttaaatga acacatatac 120
agtttatgac cgtaacattg atgagcacta ttgctgtagt attcacgttg acgcatatac 180
tattgaacaa gctattaata   200

<210>   1043
<211>   200
<212>   DNA
<213>   Artificial Sequence

<400>   1043

tgtactgaga gagtcaaaat tacctaccct aattacccca ttattgttgc tgaatgcgtc 60
tattgtgacg gaatatttaa ctcctgctgg caagtagttg gttaataagt cattgctata 120
atagactatt ctgttagttg atgagtcgtt aaacaacact cgcatgttcc cgtttgaata 180
ttatatagtc gcaccatttc   200

<210>   1044
<211>   200
<212>   DNA
<213>   Artificial Sequence

<400>   1044
tactacgtca aaacggatgg cacccgctaa catttcaccg tagacattgt ggtcttgcca 60
acgtaccgtc atgtcagtac gtttgaacaa agtaatagct tgttctaagt caccaatgaa 120
taatagtgta tcatttgtgt cgtttttaaa gatagcgtca ggaagtacaa ttacctcttt 180
accaaacaat gttttaccac   200

<210>   1045
<211>   200
<212>   DNA
<213>   Artificial Sequence

<400>   1045
gcgtctattg tgacggaata tttaactcct gctggcaagt agttggttaa taagtcattg 60
ctataataga ctcttctgtt agttgatgag tcgttaaaca acactcgcat gttcccgttt 120
gaatattata tagtcgcacc atttcctgtc caaccattaa tagtggggtc tttcgagaaa 180
tcataattca atactaaatt   200

<210>   1046
<211>   200
<212>   DNA
<213>   Artificial Sequence

<400>   1046
cgtatagggt accacgcttt gagttgcctg tagtcactgt caaatcgttc aaagaatgag 60
gtaagggact cagttatttt tgactgagtt acattcacat tggctaaatg tgggtgcatg 120
gttttgatca tatcaaacgt aagccacgta ggagcctcat agccctctct aaatcgttca 180
aaggtaactt gtacctcatc   200

<210>   1047
<211>   200
<212>   DNA
<213>   Artificial Sequence

<400>   1047
gcatacctat caaatggcta cagtgctttg cgcggtacaa cgtacactgt atcagggagt 60
gtattcatct ctcaggggtg gactggtagt ctagcaacaa cagaattaat tgtgcgtgtt 120
acctactctg atagtacgcg cgaagatgga aaagtctcaa tcacaaacac aagtacagac 180
aactgggtgc ggtattctgc   200

<210>   1048
<211>   200
<212>   DNA
<213>   Artificial Sequence

<400>   1048
gcgttgccat ggaactcctc ctctagaact ctgttaaaca gcatatttaa ctcatcatca 60
aacccattac cgattaatac cttgttaata tactccgttt taaattgctc taacataatt 120
atcccccata gaataaatct tgacccgcat atacgcaaga gatgtttatc catgcgcctg 180
acggaatcgc actatctact   200

<210>   1049
<211>   200
<212>   DNA
<213>   Artificial Sequence

<400> 1049
tttttagcaa tcttaacaat aacaaactca tcctcaactt catcctgttc cccatccacg 60
cgtatagtca ctgtcttttc tatttcttgc tcctgtaaac gcattccctc agcgcgtact 120
ttctcatctt gctgtactgc ctccattagg tctaaaccgt tgtttgcata tacagctaga 180
atagaggttc gttggttgcg   200

<210> 1050
<211> 199
<212> DNA
<213> Artificial Sequence

<400> 1050
cgctgtaggt acctcaggta caacagcacc atccacaggt tggcaagcaa caccaccaaa 60
tgtaacaggt ggtcaattcc tatgtacacg tattatcggg acatttacag ataatagtaa 120
ccaaacaccc tactcagtgg cgcgctttgg tcaggatggt attagtgtga ctggtactca 180
atcagagtat gtacaaaca   199

<210> 1051
<211> 199
<212> DNA
<213> Artificial Sequence

<400> 1051
ttatgagttg gttattttga cagacgctaa tgacatatta atgtctatag ccatccgtga 60
ctctgacgca acaggcaatg aagtgattgt tgaatactgg tacggtaaca agttactaaa 120
atctatcaag acagacgtaa ctaagtacaa atcatcttgg ttccgctgta caatgacacg 180
tgaccaaacg ggtaagaag   199

<210> 1052
<211> 199
<212> DNA
<213> Artificial Sequence

<400> 1052
aaactttaca aaagacatct taccaaaagt agggcaatat ttaggtgagg tgtttggtaa 60
gttacaacca atactggaac cggttggcga gtatattaaa accatcacgg agttattatg 120
gaatatgggc gccatcatgt ttgaaaaggt ttatccatta ttaaaaccca tactagacac 180
gatttttagt gcgttcggt   199

<210> 1053
<211> 199
<212> DNA
<213> Artificial Sequence

<400> 1053
ctagttacta cccaatttgt atacgtacca tttgaaagcg tatttctact ccttacccac 60
aaccacatac caatttgagg tgttggacgt gttgtactcc atcctgaggt aggttctaca 120
gaactaggtg tttgtacata ctctgattga gtaccagtca cactaatacc atcctgacca 180
aagcgcgcca ctgagtagg   199

<210> 1054
<211> 199
<212> DNA
<213> Artificial Sequence

<400> 1054
gacttgagga aaaaaccttt gaggaacagt tagaaaccct tgaggaaaca tattcatccc 60
tcttagaaag tagctggcaa ctctcagaga tagagaacgc tgactacttt cttttattac 120
aattgttggg taaagagtct aaacaagaaa aggtgatgga tggcgctgac tttattaagc 180
gtttcttaag tcctgagga   199

<210> 1055
<211> 199
<212> DNA
<213> Artificial Sequence

<400> 1055
tgtatactta ttatacattg tttttctccc taaaaagcac tacacgctga ttcctcccaa 60
cgtgtagtgc tttttattat tttgacgagt taagttcgtc aattgtgtca ttgtatgcag 120
tagctagttt attcatgagg tcaccaattt ttccaattat ttggtctggt tcattacccc 180
ctaaaaggtt acccatatc 199

<210> 1056
<211> 199
<212> DNA
<213> Artificial Sequence

<400> 1056
tgtatactaa aagcattagt tgcccctgcg gttataccct caaatttata cgttgaaggt 60
gtgtcacctt gatttattgt ttgccatgta ctgagagcgt caaaattacc taccctaatt 120
aacccattat tgttgctgaa tgcgtctatt gtgacggaat atttaactcc tgctggcaag 180
tagttggtta ataagtcat 199

<210> 1057
<211> 199
<212> DNA
<213> Artificial Sequence

<400> 1057
tgtatactaa aagcattagt tgcccctgcg gttataccct caaatttata cgttgaaggt 60
gtgtcacctt gttttattgt ttgccatgta ctgagagcgt caaaattacc taccctaatt 120
aacccatgat tgttgctgaa tgcgtctatt gtgacggaat atttaactcc tgctggcaag 180
tagttggtta ataagtcat 199

<210> 1058
<211> 199
<212> DNA
<213> Artificial Sequence

<400> 1058
cttcttaccc gtttggtcac gtgtcattgt acagcggaac caagatgatt tgtacttagt 60
tacgtctgtc tggatagatt ttagtaactt gttaccgtac cagtattcaa caatcacttc 120
attgcctgtt gcgtcagagt cacggatggc tatagacatt aatatgtcat tagcgtctgt 180
caaaataacc aactcataa 199

<210> 1059
<211> 199
<212> DNA
<213> Artificial Sequence

<400> 1059
tgtatactaa aagcattagt tgcccctgcg gttataccct caaatttata cgttgaaggt 60
gtgtcacctt gatttattgt ttgccatgta ctgagagcgt caaaattacc taccctaatt 120
aacccatgat tgttgctgaa tgcgtctatt gtgacggaat atttaactcc tgctggcaag 180
tagttggtta ataagtcat 199

<210> 1060
<211> 198
<212> DNA
<213> Artificial Sequence

<400> 1060
caaagaaatt gaggggttca ttaaagcgtg ggaggactca gaaaattgat tgcataccta 60
acgccattag ttatagggtt gtcactaatg ttttctaaat ggttgtttca accaaataag 120
ggaggaaaat agacatgaat ttagatacta caaaattagg tgatttagtg gttgaaaagg 180
cgcgtgagtt aaatgaga 198

<210> 1061
<211> 198
<212> DNA

<213> Artificial Sequence

<400> 1061
cctcgtctgt ttgttcgtct tgtgcctcac gaatttcctt gattaattta tccgcctcat 60
ctaatttacc ttgtgcgata agttcacggg cttctagtaa tcgtttatcc atgtttcaca 120
ctccttagta tgtttcttaa ataattataa cacgcgttta ttaaccgcgg gtgagttagc 180
tgtatcacat taattcta   198

<210> 1062
<211> 198
<212> DNA
<213> Artificial Sequence

<400> 1062
tactacgtta agcgcgtata gtgctaattc agtaggtgag tcaccgtcaa ttaatacagt 60
atcaataaca ttagtcacag ttactaaagc actgaagaca agtaactcag cagactcaat 120
acccgttgtc tcttttaact cacgcgcctt ttcaaccact aaatcaccta agtttgtagt 180
atctaaattc atgtctat   198

<210> 1063
<211> 198
<212> DNA
<213> Artificial Sequence

<400> 1063
ttctttgaca aaattacagg aggcgtaaaa aacatctgga acggtgccaa aaacatggct 60
aaaagtgcgt ttgataaggt tagcagtgtt gttggtgacg tttgggacta cgcaactaac 120
ccaagcacat tagttgaaaa agtattctct agcgtagtag acacctcagg tctcataaaa 180
tatcctctag acgttgcc   198

<210> 1064
<211> 198
<212> DNA
<213> Artificial Sequence

<400> 1064
tccgtctgag gtaattatta caccgtctaa acagtttttt gtaaatggtg agggtacaat 60
cagtatatca tctaaagttg tcaaaggcaa ggatgacatt actgataatt ttacttcgtt 120
tgtatggcgt agatatgacg cctcaaacgt attagacaca tcatggacag caacaggaaa 180
aacaatcaca gtaaatgc   198

<210> 1065
<211> 198
<212> DNA
<213> Artificial Sequence

<400> 1065
ggcaacgtct agaggatatt ttatgagacc tgaggtgtct actacgctag agaatacttt 60
ttcaactaat ttgcttgggt tagttgcgta gtcccaaacg tcaccaacaa cactgctaac 120
cttatcacac gcacttttag ccatgttttt ggcaccgttc cagatgtttt ttacgcctcc 180
tgtaattttg tcaaagaa   198

<210> 1066
<211> 198
<212> DNA
<213> Artificial Sequence

<400> 1066
caccattaat gtgtaagtgg tccatgtgtc cacctgacgc ccaattagtc catgtgtcat 60
gaatacccgt tccagttgtg cccacgcggt cacgtacttt attcagagca ctaacgtagc 120
caccttgggt tgtaaagtta tcaaaagcat agttacccgc ttgtcggtag ttacttgacc 180
cgttcatgct tgcaggaa   198

<210> 1067
<211> 198

<212> DNA
<213> Artificial Sequence

<400> 1067
ttttaataat cttttgaccc gtttgacgtt tggttgtttc aaacgtgacg cccttaggta 60
acagaccgta tgacttgtaa ctagtcttgg aacctgcacg aatgtgtagg acttccttag 120
atttcatggt ccatgttacc ttatccacta cctcccttgt ggctactgag tctttatact 180
tgagtagcca tctagatg   198

<210> 1068
<211> 198
<212> DNA
<213> Artificial Sequence

<400> 1068
gatttaaagt tatcaaaagc atagttaccc gcttgacggt atttacttga cccgttcatg 60
cttgcaggaa ctgctacgtc aatagcgttt cttgaaccgt gactatatgg gtctcctggt 120
ctatatccac ttgttacgcg cataccaggg tatttggcaa tcaccttacg cgctacatta 180
gtaaggtatt tatacaca   198

<210> 1069
<211> 198
<212> DNA
<213> Artificial Sequence

<400> 1069
tccgtctgag gtaattatta caccgtctaa acagtttttt gtaaaaggtg agggtacaat 60
cagtatatca gctaaatttg tcaaaggcaa ggatgacatt actgataatt ttacttagtt 120
tgtatggagt agatatgact cctcaaacgt attagacaca tcatggacag caacaggaaa 180
aacaatcaca gtaaatgc   198

<210> 1070
<211> 198
<212> DNA
<213> Artificial Sequence

<400> 1070
cttcatattt cctactggtt ttccgctttg caccatgtgt taatcagctc ctttttctc 60
tagcttttca tgttcctcag gacttaagaa acgcttaata aagtcagcgc catccatcac 120
cttttcttgt ttagactctt taccaaacaa ttgtaataaa agaaagtagt cagcgttctc 180
tatctctgag agttgcca   198

<210> 1071
<211> 198
<212> DNA
<213> Artificial Sequence

<400> 1071
ttctcactag tataaaacac taacgtatca tctaaatcat atacgtcaat catatcctcg 60
ttatactcaa tatcatgtaa tgttagttcc attctattca tcctcctcaa ataagtcata 120
tgttttaatc tctggtaatt ttggcaattt atacgtgcta atgtgtcccg tgtctatcaa 180
gtgaaaaata gtttctaa   198

<210> 1072
<211> 198
<212> DNA
<213> Artificial Sequence

<400> 1072
gcatttactg tgattgtttt tcctgttgct gtccatgatg tgtctaatac gtttgaggcg 60
tcatatctac tccatacaaa cgaagtaaaa ttatcagtaa tgtcatcctt gcctttgaca 120
actttagatg atatactgat tgtaccctca ccatttacaa aaaactgttt agacggtgta 180
ataattacct cagacgga   198

<210> 1073

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

<400> 1073
ttctttgaca aaattacagg aggcgtaaaa aacatctgga acggtgccaa aaacatggct 60
aaaagtgcgt gtgataaggt tagcagtgtt gttggtgacg tttgggacta cgcaactaac 120
ccaagcacat tagttgaaaa agtattctct agcgtagtag acacctcagg tctcataaaa 180
tatcctctag acgttgcc   198

<210> 1074
<211> 198
<212> DNA
<213> Artificial Sequence

<400> 1074
atagaaacta tttttcactt gatagacacg ggacacatta gcacgtataa attgccaaaa 60
ttaccagaga ataaaacata tgacttattt gaggaggatg aatagaatgg aactaacatt 120
acatgatatt gagtataacg aggatatgat tgacgtatat gatttagatg atacgttagt 180
gttttatact agtgagaa   198

<210> 1075
<211> 198
<212> DNA
<213> Artificial Sequence

<400> 1075
ttagttgccc ctgcggttat accctcaaat ttatacgttg aaggtgtgtc accttgtatt 60
attgtttgcc atgtactgag agcgtcaaaa ttacctaccc taattaaccc attattgttg 120
ctgaatgagt ctattgtgac ggaatattta actcctgctg gcaagtagtt ggttaataag 180
tcattgctat aatagact   198

<210> 1076
<211> 197
<212> DNA
<213> Artificial Sequence

<400> 1076
ttctcactag tataaaacac taacgtatca tctaaatcat atacgtcaat catatcctcg 60
ttatactcaa aatcatgtaa tgttagttcc attctattca tcctcctcaa ataagtcata 120
tgttttattc tctggtaatt ttggcaattt atacgtgcta atgtgtcccg tgtctatcaa 180
gtgaaaaata gtttcta   197

<210> 1077
<211> 197
<212> DNA
<213> Artificial Sequence

<400> 1077
ttcccaccat agagctaagt agtgttcagc ctctacctca cctgttaata ctttcatagt 60
cattggatag tcctccatat gatagtgtcc gtttaggttt tgtgaggttg tactaatcat 120
taagttaagg ggttgtaatt gttgtgactg agatgactca ataacctcaa caatagaagt 180
atctttattc tcagcca   197

<210> 1078
<211> 197
<212> DNA
<213> Artificial Sequence

<400> 1078
tgttaccact gtttacaaaa cacgtcaact actttttttа aatttcttgt aattctttag 60
taagacaata tccctctgtt tttccatctg tacataaata taattgtggg aaaccccacg 120
cgctccagtc actaaaacca attacacgca caaccgtacc atctttaaag ttacaatcac 180
tatcccacgg tgtcaca   197

<210>   1079
<211>   197
<212>   DNA
<213>   Artificial Sequence

<400>   1079
ttagcctctc cctctgtctt tttagcccgt ttgtgttcta acatatgtgt gcgaacgtca 60
ggtttttcaa aaagagggtt agatttaaac cagttttcct cgtcatccgc ctcgtcaaaa 120
ctatccagtt cccaccatag agctaagtag tgttcagcct ctacctcacc tgttaatact 180
ttcatagtca ttggata   197

<210>   1080
<211>   197
<212>   DNA
<213>   Artificial Sequence

<400>   1080
ctctacacgt ttctgtacat ctttagacaa tgcgtctaaa gacttttcta tcacgtgttg 60
aggtggttga ttgatagttc caaactcaat aaagtgcgcg cgccacgcaa cctcatcatc 120
aaagccaatt tctacatatc catctttggc tttgctatag ataacatggt ctctcatatg 180
ctcacccata tatgaac   197

<210>   1081
<211>   197
<212>   DNA
<213>   Artificial Sequence

<400>   1081
ccttgcgctg acgtaaaaag tatgctaaca taataaacga agaacgaaag gagaaaacag 60
gcatgatgag tcctacaata cacacagaaa tgacaccaga agtaaaagac atttatccat 120
taacctattg tcgcgataag gtggacctac ctatagacat tgagtacacg aacagaggtt 180
cgcgctttgt cgttggt   197

<210>   1082
<211>   197
<212>   DNA
<213>   Artificial Sequence

<400>   1082
ctctacacgt ttctgtacat ctttagacaa tgcgtctaaa gacttttcta tcacgtgttg 60
aggtggttgt ttgatagttc caaactcaat aaagtgcgcg cgccacgcaa cctcatcatc 120
aaagccactt tctacatatc catctttggc tttgctatag ataacatggt ctctcatatg 180
ctcacccata tatgaac   197

<210>   1083
<211>   197
<212>   DNA
<213>   Artificial Sequence

<400>   1083
tgaggaatgt cttatttttg ccaatgatat ttttgaggcg tgtgagattg ctgaacactt 60
acagggtgta gaacgcgtta tagaagttgt gaggttggtg ctatgataaa aaagggttta 120
gagtgcagtg tgacaccgtg ggatagtgat tgtaacttta aagatggtac ggttgtgcgt 180
gtaattggtt ttagtga   197

<210>   1084
<211>   197
<212>   DNA
<213>   Artificial Sequence

<400>   1084
ccttgcgctg acgtaaaaag tatgctaaca taataaacga agaacgaaag gagaaaacag 60
gcatgatgat tcctacaata cacacagaaa tgacaccaga agtaaaagac atttatccat 120
taacctagtg tcgcgataag gtggacctac ctatagacat tgagtacacg aacagaggtt 180
cgcgctttgt cgttggt   197

<210>   1085
<211>   197
<212>   DNA
<213>   Artificial Sequence

<400>   1085
ttcgtgtggc ttgtttctga taaaaattcc cattagtgac tctctccttt atcgttgatg 60
ttatcaacct gctctaattc ctttgatagc ttaaaacttg tagccaaaca agcgccacct 120
aataccaaaa aacctacggt tatatctacc aaaaaggcac caatagccat aaaaacacac 180
gctagtatat acataat   197

<210>   1086
<211>   197
<212>   DNA
<213>   Artificial Sequence

<400>   1086
ttctgttagt tgatgagtcg ttaaacaaca ctcgcatgtt cccgtttgaa tattctttag 60
tcgcaccatg tcctgtccaa ccattaatag tggggtcttt cgagaaatca taattcaata 120
ctaaattatc atttgggtat tggagtgtga acctctcttt tccatcacta ctccatgcgt 180
aagctgtgtg taaaaat   197

<210>   1087
<211>   197
<212>   DNA
<213>   Artificial Sequence

<400>   1087
gtttgttatt gttaagattg ctaaaaatga tttaggtaac cttgatgttg cgtatgagct 60
agtataacac cgttttacac ataaatggta taataacact atatgaaata agagagggag 120
attttaatga gtaaagaacc tgaaaaatta acagttgtag cagttgagga cgaggacaaa 180
agtttagtga ttagtgt   197

<210>   1088
<211>   197
<212>   DNA
<213>   Artificial Sequence

<400>   1088
tcctagttcg attattattt ttgttatagt tataattaaa gcatttgaat taccctgtat 60
actaaaagca ttagttgccc ctgcggttat accctcaaat ttatacgttg aaggtgtgtc 120
accttgtatt attgtttgcc atgtactgag agcgtcaaaa ttacctaccc taattaaccc 180
attattgttg ctgaatg   197

<210>   1089
<211>   197
<212>   DNA
<213>   Artificial Sequence

<400>   1089
attatgtata tactagcgtg tgtttttatg gctattggtg ccttttttggt agatataacc 60
gtaggtttta tggtattagg tggcgcttgt ttggctacaa gttttaagct atcaaaggaa 120
ttagagctgg ttgataacat caacgataaa ggagagagtc actaatggga atttttatca 180
gaaacaagcc acacgaa   197

<210>   1090
<211>   197
<212>   DNA
<213>   Artificial Sequence

<400>   1090
attatgtata tactagcgtg tgtttttatg gctattggtg ccttttttggt agatataacc 60
gtaggttttt tggtattagg tggcgcttgt ttggctacaa gttttaagct atcaaaggaa 120
ttagagctgg ttgataacat caacgataaa ggagagagtc actaatggga atttttatca 180

gaaacaagcc acacgaa 197

<210> 1091
<211> 197
<212> DNA
<213> Artificial Sequence

<400> 1091
accaacgaca aagcgcgaac ctctgttcgt gtactcaatg tctataggta ggtccacctt 60
atcgcgacac taggttaatg gataaatgtc ttttacttct ggtgtcattt ctgtgtgtat 120
tgtaggactc atcatgcctg ttttctcctt tcgttcttcg tttattatgt tagcatactt 180
tttacgtcag cgcaagg 197

<210> 1092
<211> 197
<212> DNA
<213> Artificial Sequence

<400> 1092
ctctacacgt ttctgtacat ctttagacaa tgcgtctaaa gacttttcta tcacgtgttg 60
aggtggttga ttgatagttc caaactcaat aaagtgcgcg cgccacgcaa cctcatcatc 120
aaagccactt tctacatatc catctttggc tttgctatag ataacatggt ctctcatatg 180
ctcacccata tatgaac 197

<210> 1093
<211> 196
<212> DNA
<213> Artificial Sequence

<400> 1093
tttctacata tccatctttg gctttgctat agataacatg gtctctcata tgctcaccca 60
tatatgaacc acgcttaccg ctcatttttg ctttactgtt agaccagtat ggtacgcgtt 120
tgctaaagtc ctcagcaacc tcaggcgcta tgtcgttcat tattttattt gcctcacggt 180
ctaagtcttt acctag 196

<210> 1094
<211> 196
<212> DNA
<213> Artificial Sequence

<400> 1094
tccgctgtac aatgacacgt gaccaaacgg gtaagaagtt cacttggaac tttgagcata 60
tccaatcaca caacggaatt aaaccagtta caaaaaaccc atttacctac aatgcacctg 120
tagcaaacaa agcttccgtt gttaaaacat ctagatggct actcaagtat aaagactcag 180
tagccacaag ggaggt 196

<210> 1095
<211> 196
<212> DNA
<213> Artificial Sequence

<400> 1095
ttctgttagt tgatgagtcg ttaaacaaca ctcgcatgtt cccgtttgaa tattctatag 60
tcgcaccagt tcctgtccaa ccattaatag tggggtcttt cgagaaatca taattcaata 120
ctaaattatc atttgggtat tggagtgtga acctctcttt tccatcacta ctccatgcgt 180
aagctgtgtg taaaaa 196

<210> 1096
<211> 196
<212> DNA
<213> Artificial Sequence

<400> 1096
atgagtaact cctccttacc tacaggcggt tctactgtac ctgtaacaat aacaggtgtc 60
acttttgcat ttcgccattt attaatcgtt acagtaatca tttatttttc ctccttatta 120

gacattattc ccataggaac atatcatttc ttataacaaa aatatcttct gacttagtat 180
cataatgcaa ctctac   196

<210>   1097
<211>   196
<212>   DNA
<213>   Artificial Sequence

<400>   1097
tgaatctacg tcacgcccaa cacgtagagt aatatctttc tcgtccccca tatcctctac 60
aatgttcagt gttttacttt ttaactgcat gttttcaaac tcaaagtcaa tggtaaactt 120
agcgcctcca aagtctgaaa taatactcct tagacgctcc actgctgttg tctcattatc 180
atagtttaaa gtacgt   196

<210>   1098
<211>   196
<212>   DNA
<213>   Artificial Sequence

<400>   1098
tcctcagcaa cctcaggcgc tatgtcgttc attattttat ttgcctcacg gtctaagtct 60
ttacctaggt caccaagcgc tttgtagatg tcactaaagt ctacataatt atcactcatt 120
ttaccacctc atttaaaacg tcctctttag aaacctcctt agcaatcaaa gtatcaaagt 180
ctttgctgta tgttcc   196

<210>   1099
<211>   196
<212>   DNA
<213>   Artificial Sequence

<400>   1099
ttaaaacgcc catctgggtc aacccacgag aacccactta atgtaatggg gttgtttgac 60
ccctctggtg taccacctaa tgctcgtatt gctgtagtta actcataaat gttacctgta 120
gttacgagtg aatctacgtc acgcccaaca cgtagagtaa tatctttctc gtcccccata 180
tcctctacaa tgttca   196

<210>   1100
<211>   196
<212>   DNA
<213>   Artificial Sequence

<400>   1100
taataaaggg ttacagtacc ttgaatatga agaacattta gactactcag aaattgagat 60
ttgtcacggt gagaaagtgg ggtaaatgaa atgacaccag aaaacgttga aaaagagtac 120
ggtgtgtacg ttgttggagg agacattatt gatatattag accatgtttt tccaagctat 180
gaagaagctt tagaac   196

<210>   1101
<211>   196
<212>   DNA
<213>   Artificial Sequence

<400>   1101
tgtattaatt gacggtgact cacctactga attagcacta tacgcgctta acgtagtaca 60
gcaaaatgat gataacgagg acttattaaa tgaagttgag aatataattg ataaactaga 120
ggaggaatta gtttgaaaac atatgagtta gtaaacaacg agacgacacc tttaccaatt 180
ggggcagtct tgtacg   196

<210>   1102
<211>   196
<212>   DNA
<213>   Artificial Sequence

<400>   1102
tgaaacagac tcaggtgaca taattgaatt agataaccct agcaagctgt ttaacgcact 60

tagggttgag tctaatggtt ttataccata tgtaagtaaa gtagctaaaa acagcaagac 120
agaccgtcta aaagacatac tagaagaaac taaaggagaa cgcgttgtta ttggctatca 180
atataaagaa acgtgt   196

<210>   1103
<211>   196
<212>   DNA
<213>   Artificial Sequence

<400>   1103
tgaaacagac tcaggtgaca taattgaatt agataaccct agcaagctgt ttaacgcact 60
tagggttgcg tctaatggtt ttataccata tgtaagtaaa gtagctaaaa acagcaagac 120
agaccgtata aaagacatac tagaagaaac taaaggagaa cgcgttgtta ttggctatca 180
atataaagaa acgtgt   196

<210>   1104
<211>   196
<212>   DNA
<213>   Artificial Sequence

<400>   1104
agtctaatac ctcaatttgg ttatcatata cccaccatag gtgaccatca atacttagtt 60
caagttggag cgtttgtccg tcaatttctt cagcgctatg agctactctg aacacctctc 120
caacgtattc cctgtcacgc tcgtaaccct cattcataaa aaattcagtt ggttcaggtt 180
taatcaagcg cacctt   196

<210>   1105
<211>   196
<212>   DNA
<213>   Artificial Sequence

<400>   1105
acaatattta gtaatttatg atattgaggt atttgagcaa gattttgtca tttgtgctaa 60
agatttgtgt agtggtaaac gttgggaaat tgtcaatgac ctagacaagg cgcgtaaatg 120
gtatttagaa gtacgtgaca gtctatttac tggttataac tctgctagtt atgataataa 180
tgtgctccgt ggttat   196

<210>   1106
<211>   196
<212>   DNA
<213>   Artificial Sequence

<400>   1106
ttgctgaatg cgtctattgt gacggaatat ttaactcctg ctggcaagta gttggttaat 60
aagtcattgc tataatagac tattctgtta gttgatgagt cgttaaacaa cactcgcatg 120
ttcccgtgtg aatattctat agtcgcacca tttcctgtcc aaccattaat agtggggtct 180
ttcgagaaat cataat   196

<210>   1107
<211>   196
<212>   DNA
<213>   Artificial Sequence

<400>   1107
gtcaaagcca ttgagtattg caaacgtaca ggatggtcaa aatccatttt tacacacagc 60
ttacgcatgg agtagtgatg gaaaagagag gttcacactc caatacccaa atgataattt 120
agtattgtat tatgatttct cgaaagaccc cactattaat ggttggacag gaaatggtgc 180
gactatagaa tattca   196

<210>   1108
<211>   196
<212>   DNA
<213>   Artificial Sequence

<400>   1108

taataaaggg ttacagtacc ttgaatatga agaacattta gactactcag aaattgagat 60
ttgtcacgtt gagaaagtgg ggtaaatgaa atgacaccag aaaacgttga aaaagagtac 120
ggtgtgtccg ttgttggagg agacattatt gatatattag accatgtttt tccaagctat 180
gaagaagctt tagaac   196

<210>   1109
<211>   196
<212>   DNA
<213>   Artificial Sequence

<400>   1109
acaatattta gtaatttatg atattgaggt atttgagcaa gattttgtca tttgtgctaa 60
agatttgttt agtggtaaac gttgggaaat tgtcaatgac ctagacaagg cgcgtaaatg 120
gtatttataa gtacgtgaca gtctatttac tggttataac tctgctagtt atgataataa 180
tgtgctccgt ggttat   196

<210>   1110
<211>   196
<212>   DNA
<213>   Artificial Sequence

<400>   1110
ctattgtgac ggaatattta actcctgctg gcaagtagtt ggttaataag tcattgctat 60
aatagactct tctgttagtt gatgagtcgt taaacaacac tcgcatgttc ccgtttgaat 120
attctatcgt cgcaccattt cctgtccaac cattaatagt ggggtctttc gagaaatcat 180
aattcaatac taaatt   196

<210>   1111
<211>   196
<212>   DNA
<213>   Artificial Sequence

<400>   1111
ataaccacgg agcacattat tatcataact agcagagtta taaccagtaa atagactgtc 60
acgtacttat aaataccatt tacgcgcctt gtctaggtca ttgacaattt cccaacgttt 120
accactacac aaatctttag cacaaatgac aaaatcttgc tcaaatacct caatatcata 180
aattactaaa tattgt   196

<210>   1112
<211>   196
<212>   DNA
<213>   Artificial Sequence

<400>   1112
gtagagttgc attatgatac taagtcagaa gatatttttg ttataagaaa tgatatgttc 60
ctatgggact aatgtctaat aaggaggaaa aataaatgat tactgtaacg attaataaat 120
ggcgaaatgc aaaagtgaca cctgttattg ttacaggtac agtagaaccg cctgtaggta 180
aggaggagtt actcat   196

<210>   1113
<211>   196
<212>   DNA
<213>   Artificial Sequence

<400>   1113
ctattgtgac ggaatattta actcctgctg gcaagtagtt ggttaataag tcattgctat 60
aatagactat tctgttagtt gatgagtcgt taaacaacac tcgcatgttc ccgtttgaat 120
attctatcgt cgcaccattt cctgtccaac cattaatagt ggggtctttc gagaaatcat 180
aattcaatac taaatt   196

<210>   1114
<211>   196
<212>   DNA
<213>   Artificial Sequence

<400> 1114
tgaaacagac tcaggtgaca taattgaatt agataaccct agcaagctgt ttaacgcact 60
tagggttgag tctaatggtt ttataccata tgtaagtaaa gtagctaaaa acagcaagac 120
agaccgtata aaagacatac tagaagaaac taaaggagaa cgcgttgtta ttggctatca 180
atataaagaa acgtgt   196

<210> 1115
<211> 196
<212> DNA
<213> Artificial Sequence

<400> 1115
gttctaaagc ttcttcctag cttggaaaca catggtctaa tatatcaata ctgtctcctc 60
caacaacgga cacaccgtac tctttttcaa cgttttctgg tgtcatttca tttaccccac 120
tttctcaccg tgacaaatct caatttctga gtagtctaaa tgttcttcat attcaaggta 180
ctgtaaccct ttatta   196

<210> 1116
<211> 196
<212> DNA
<213> Artificial Sequence

<400> 1116
agtctaatac ctcaatttgg ttatcatata cccaccatag gtgaccatca atacttagtt 60
caagttggag cgtttgtccg tcaatttctt cagcgctatg agctactctg aacacctctc 120
caacgtagtc cctgtcacgc tcgtaaccct cattcataaa aaattcagtt ggttcaggtt 180
taatcaagcg cacctt   196

<210> 1117
<211> 196
<212> DNA
<213> Artificial Sequence

<400> 1117
gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg 60
gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg 120
ggggggggtgg gggggggggg ggggggggtg gggggggggg gggggggggg gtgggggggg 180
gggggggggg gggggg   196

<210> 1118
<211> 195
<212> DNA
<213> Artificial Sequence

<400> 1118
tacctatgat tatgtatata ctagcgtgtg tttttatggc tattggtgcc tttttggtag 60
atataaccgt aggttttatg gtattaggtg gcgcttgttt ggctacaagt tttaagctat 120
caaaggactt agagcaggtt gataacatca acgataaagg agagagtcac taatgggaat 180
ttttatcaga aacaa   195

<210> 1119
<211> 195
<212> DNA
<213> Artificial Sequence

<400> 1119
tcaccttaat gcgtgtagcc gtaatttgtt gtttaaatac ctctggttct aaattataag 60
ggttcaagtc atcaatgaaa atcaactgtt tgtcaactag taacgcacta ttaaactcac 120
cttttgtgtt aaatgcgcgg ttagatggga gttctgtgta catttttcca aacaatggtg 180
agcctatgat tttgg   195

<210> 1120
<211> 195
<212> DNA
<213> Artificial Sequence

<400>   1120
ttaatatagg ttacttcttc tgtttcaagt tctccgtcct cattttcaac tggttcaagt 60
ttaccggatt ttactttgaa taagttaaca gctttatcac ccgttttcac agcaaacaca 120
cggtttactt tctgtgcgtc atgttcatta ccatcactat caacgtatac actcttgtca 180
aacgtccaac ctgtt   195

<210>   1121
<211>   195
<212>   DNA
<213>   Artificial Sequence

<400>   1121
attgaaaata attggcaaaa tacgtcttaa cgaaccatct gaggcgtcac gtactttaaa 60
tacatcatta ctagcacccg caaagtgtcc gccaaagcgc gcgtcatatt cagccttacc 120
cttttcagtc accttaatgc gtgtagccgt aatttgttgt ttaaatacct ctggttctaa 180
attataaggg ttcaa   195

<210>   1122
<211>   195
<212>   DNA
<213>   Artificial Sequence

<400>   1122
tataaacgcg tacagtgaag catactttta tgagttcgag gaaataaact ggtcagaacg 60
ttacgcaagc ggtgagtttg gttttggact gtaataaacg aacgaggcaa cccaactagg 120
gttgtctttt tcgtgttata atttataaag aagttataat tggaggaggt tcaccatgga 180
acgaattata tattt   195

<210>   1123
<211>   195
<212>   DNA
<213>   Artificial Sequence

<400>   1123
ttagagcagg ttgataacat caacgataaa ggagagagtc actaatggga atttttatca 60
gaaacaatcc acacgaagag cgggcaaatc tataccccgt agcaccatca ccaatggttg 120
tggactttgg tacttttatt acagggcaat cactagacga gattgaacat ttaaaaaatt 180
ctgacattta cacag   195

<210>   1124
<211>   195
<212>   DNA
<213>   Artificial Sequence

<400>   1124
cctcgtctgc ctcatcatcc ttaggttgtt catccttagg ttgctcgtca gggttaacct 60
cgtctgtgtg ttcgtcttgt gcctcacgaa tttccttgat taatttatcc gcctcatcta 120
atttaccttg tgcgataagt tcacgggctt ctagtaatcg tttatccatg tttcacactc 180
cttattatgt ttctt   195

<210>   1125
<211>   195
<212>   DNA
<213>   Artificial Sequence

<400>   1125
gaccatattg acccctatcc atacttgcgt aaatggggaa ttagtaaaga gcagtttgct 60
aaagacatta aaaatgggtt tggtggaaat agttccaata ctgacaacaa acctaaacca 120
caaccacaac cgtctaaacc aaaaatcaca gacacacgtg atttccctgt aggtagtaaa 180
gtaaaagtac gcgcc   195

<210>   1126
<211>   195
<212>   DNA

<213> Artificial Sequence

<400> 1126
tctcaattaa tactttctct gtaggtgtca attcgttttc aggtagttcg tacaagactg 60
ccccaatggg taaaggtgtc gtctcgttgt ttactaactc atatgttttc aaactaattc 120
ctcctctagt ttatcaatta tattctcaac ttcatttaat aagtcctcgt tatcaacatt 180
ttgctgtact acgtt   195

<210> 1127
<211> 195
<212> DNA
<213> Artificial Sequence

<400> 1127
tattagttta tcaaaacccc aaccagttgt caagcattat ttttaaattt cttgtaaatg 60
ttcgtacgga atgagctgac gtataccatc aatcgttcta catggtatag ggtctctgtg 120
tttctctgtc tcaattaata ctttctctgt aggtgtcaat tcgttttcag gtagttcgta 180
caagactgcc ccaat   195

<210> 1128
<211> 195
<212> DNA
<213> Artificial Sequence

<400> 1128
cgtgggttat tcctatccct gaaaaagaat tgtttattgt tgactctcac gcgtgggtag 60
caacaacggg tggtggtatt gttcagaaag aggctaacga tagaacaccc tatagacaat 120
attccaacca ggggtattgt gaaatttctt cccgtcctga cggtcagtgt gattgggagg 180
atatgttaaa ttggg   195

<210> 1129
<211> 195
<212> DNA
<213> Artificial Sequence

<400> 1129
gggttacagt accttgaata tgaagaacat ttagactact cagaaattga gatttgtcac 60
gttgagaaag tggggtaaat gaaatgacac cagaaaacgt tgaaaaagag tacggtgtgt 120
ccgttgtggg aggagacatt attgatatat tagaccatgt ttttccaagc tatgaagaag 180
ctttagaaca tgcta   195

<210> 1130
<211> 195
<212> DNA
<213> Artificial Sequence

<400> 1130
tttcaacttc taactcatag taattaaggt caatttcatc taattgtaca ccttcaccaa 60
tctgctcatt ggaaatggta tagtattgag gggggttgtt tagacctgtt acatatgagt 120
catcaccatt aatataggtt acttcttctg tttcaagttc tccgtcctca ttttcaactg 180
gttcaagttt accgg   195

<210> 1131
<211> 195
<212> DNA
<213> Artificial Sequence

<400> 1131
ttttacacac agcttacgca tggagtagtg atggaaaaga gaggttcaca ctccaatacc 60
caaatgataa tttagtattg aattatgatt tctcgaaaga ccccactatt aatggttgga 120
caggaaaggg tgcgactata gaatattcaa acgggaacat gcgagtgttg tttaacgact 180
catcaactaa cagaa   195

<210> 1132
<211> 195

<212> DNA
<213> Artificial Sequence

<400> 1132
ggtctaaacc gttgtttgca tatacagcta gaatagaggt tcgttggttg cgtatagggt 60
accacgcatt gagttgcctg ttgtcacttt caaatcgttc aaagaatgag gtaagggact 120
catttatttt tgactgagtt acattcacat tggctaaatg tgggtgcatg gttttgaaca 180
tatcaaacgt aagcc   195

<210> 1133
<211> 195
<212> DNA
<213> Artificial Sequence

<400> 1133
tagcatgttc taaagcttct tcatagcttg gaaaaacatg gtctaatata tcaataatgt 60
ctcctccaac aacgtacaca ccgtactctt tttcaacgtt ttctggtgtc atttcattta 120
ccccactgtc tcaacgtgac aaatctcaat ttctgagtag tctaaatgtt cttcatattc 180
aaggtactgt aaccc   195

<210> 1134
<211> 195
<212> DNA
<213> Artificial Sequence

<400> 1134
gctctaaacc gttgagtgca tatacaccta gaatagaggt tcgttggttg cgtatagga   60
accacgcttt gagttgcctg tagtcacggt caaatcgtac aaagaatgag gtaagggact 120
catttatatt tgactgagtt acattcacat tggctaaatg tgggtgcatg gatttgaaca 180
tatcaaacgt aagcc   195

<210> 1135
<211> 195
<212> DNA
<213> Artificial Sequence

<400> 1135
ggtgcgacta tagaatattc aaacgggaac atgcgagtgt tgtttaacga ctcatcaact 60
aacagaagag tctattatag caatgactaa ttaaccaact acttgccagc aggagttaaa 120
tataccgaca caatagacgc attcagcaac aataatgggt taattagcgt aggtaatttt 180
gacgctctca gtaca   195

<210> 1136
<211> 195
<212> DNA
<213> Artificial Sequence

<400> 1136
ggtgcgacta tagaatattc aaacgggaac atgcgagtgt tgtttaacga ctcatcaact 60
aacagaatag tctattatag caatgactta ttaaccaact acttgccagc aggagttaaa 120
tattccgaca caatagacgc attcagcaac aataatgggt taattagggt aggtaatttt 180
gacgctctca gtaca   195

<210> 1137
<211> 195
<212> DNA
<213> Artificial Sequence

<400> 1137
tagcatgttc taaagcttct tcatagcttg gaaaaacatg gtctaatata tcaataatgt 60
ctcctcccac aacgtacaca ccgtactctt tttcaacgtt ttctggtgtc atttcattta 120
ccccactgtc tcaacgtgac aaatctcaat ttctgagtag tctaaatgtt cttcatattc 180
aaggtactgt aaccc   195

<210> 1138

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

<400> 1138
ggtctaaacc gttgtttgca tatacagcta gaatagaggt tcgttggttg cgtatagggt 60
accacgcatt gagttgcctg tagtcactgt caaatcgttc aaagaatgag gtaagggact 120
catttatatt tgactgagtt acattcacat tggctaaatg tgggtgcatg gttttgaaca 180
tatcaaacgt aagcc   195

<210> 1139
<211> 194
<212> DNA
<213> Artificial Sequence

<400> 1139
atgagaaagc tgagtttatt agatggtgtg tacaggagta tgctgaacta ttgaaacgca 60
gagaggacgt taccgcagac gagtttgtgt ggacgctatc tgatgaggct aaggaaatgc 120
gtgaggacct agtacgtagt aaaacacctg ttattgattt agcctttaat agtggactat 180
ttgagcacac gggt   194

<210> 1140
<211> 194
<212> DNA
<213> Artificial Sequence

<400> 1140
cgtatctcag agcctctcag agcgttttag agcatgtttg tttttgagcg taaaaaagag 60
agggttattt ccctctcaat ttgtttctat tactgtttgg atgttcttgt ttgttgtgac 120
aagaaaatca aatactttct aaataattca tatctaacct atgttcccat ccctcagagg 180
ttcgtatctc cgtg   194

<210> 1141
<211> 194
<212> DNA
<213> Artificial Sequence

<400> 1141
gcgtgtgcgt gcagtacatt gtaagcaaac attagacgag cgtgtatcat aatgtctaat 60
tctttaggct cgtccataat gcgggcacgc aattcatcta aaacattgtc taactccgcg 120
tcatgtactt ctaatacctc tgctaatttt gtcatattat ttttcctcct catagtctaa 180
tacctcaatt tggt   194

<210> 1142
<211> 194
<212> DNA
<213> Artificial Sequence

<400> 1142
accaatttaa ggggtttcct ctcaaagcgc gtactaaaat tcccgcgata aaagagtggc 60
aagctcaaga gtgttacaat acattaggta aaatatgaaa catgaataaa ggggtcttat 120
gtggggaaca aaacaaatta ttagtagtag actgtgacgt aaaaggtaaa gcaaacggaa 180
tacactcttt tact   194

<210> 1143
<211> 194
<212> DNA
<213> Artificial Sequence

<400> 1143
gtatttggca atcaccttac gcgctacatt agtaaggtat ttatacacac ccgctgtacc 60
tacagacgta tctaggctcc cgctctcaaa cgcctcagta acacgtgacg taagagcgct 120
agtagctgtc ttaatcattc cacgggcaac gtctagagga tattttatga gacctgaggt 180
gtctactacg ctag   194

<210>   1144
<211>   194
<212>   DNA
<213>   Artificial Sequence

<400>   1144
tgtctactgt aggtgtatta ccgtctgtcc actgtgtagc accctcatta gttgcctcaa 60
ttttagcgcg ccaaattgta atatcaggta agtcccctgt tgcgtcagag tagaaattaa 120
accccatctc tgttgaaccc atggtgtaag ttggttcaaa gctaatgtac ttactctcat 180
tgggatatat tgtt   194

<210>   1145
<211>   194
<212>   DNA
<213>   Artificial Sequence

<400>   1145
tatcttgagt gctatatccg tttagttcat aaatgaggtc gtccatggct aacgcgttgc 60
catggacctc ctcctctaga actctgttaa acagcatatt taactcatca tcaaacccat 120
taccgtttaa taccttgtta atatactccg ttttaaattg ctctaacata attatccccc 180
ttagaataaa tctt   194

<210>   1146
<211>   194
<212>   DNA
<213>   Artificial Sequence

<400>   1146
tctagtaagt aggtatggta ctacagtaga tagtgcgatt ccgtcaggcg catggataaa 60
catctcgtgc gtatatgcgg gtcaagattt attctaaggg ggataattat gttagagcaa 120
tttaaaacgg agtatattaa caaggtatta aacggtaatg ggtttgatga tgagttaaat 180
atgctgttta acag   194

<210>   1147
<211>   194
<212>   DNA
<213>   Artificial Sequence

<400>   1147
caatggcaag tggtaaaaca ttgtttggta aagaggtaat tgtacttcct gacgctatct 60
ttaaaatcga cacaaatgat aaactattat tcattggtga cttagaacaa gctattactt 120
tgttcaaacg tactgaaatg acggtacgtt ggcaagacca caatgtctac ggtgaaatgt 180
tagcgggtgc catc   194

<210>   1148
<211>   194
<212>   DNA
<213>   Artificial Sequence

<400>   1148
gtggtaaaac attgtttggt aaagaggtaa ttgtacttcc tgacgctatc tttaaaaacg 60
acacaaatga taaactatta ttcattggtg acttagaaca agctattact ttgttcaaac 120
gtactgacat gacggtacgt tggcaagacc acaatgtcta cggtgaaatg ttagcgggtg 180
ccatccgttt tgac   194

<210>   1149
<211>   194
<212>   DNA
<213>   Artificial Sequence

<400>   1149
tacatatagt ccctcatgtc ctcttttacc attttacgcg ttattctact tctatcatct 60
gtgttgtatc tgtttgctag aagaataccg tccgtgaaga gtttcaattc aacaaggtca 120
ccctcatgac ccgtgtgctc aaatagtcca ctattaaagg ctaaatcaat aacaggtgtt 180
ttactacgta ctag   194

<210>   1150
<211>   194
<212>   DNA
<213>   Artificial Sequence

<400>   1150
tctgttgaac ccatggtgta agttggttca aagctaatgt acttactctc attgggatat 60
attgttgtac ccactcccat tctgtttgaa atagaaatag gtttatcacc gttgtttttt 120
acatatatac tatgcgtgta gttttgtcct atgatgtact gtgttccttt aatttctaac 180
acacctatga gatt   194

<210>   1151
<211>   194
<212>   DNA
<213>   Artificial Sequence

<400>   1151
tccatggcaa cgcgttagcc atggacgacc tcatttatga actaaacgga tatagcactc 60
aagataccgc agtagacacg ttacagaacc aagttgacta catgagtaaa atgataaata 120
gactagcata caatcaaagt taggagcggg aacgaatgcc aatgaatgag gacaacttta 180
tcaaaatgca atta   194

<210>   1152
<211>   194
<212>   DNA
<213>   Artificial Sequence

<400>   1152
gggttacgag cgtgacaggg aatacgttgg agaggtgttc agagtagctc atagcgctga 60
agaaattgac ggacaaacgc accaacttga actaagtatt gatggtcacc tatggtgggt 120
atatgatcac caaattgagg tattagacta tgaggaggaa aaataatatg acaaaattag 180
cagaggtatt agaa   194

<210>   1153
<211>   194
<212>   DNA
<213>   Artificial Sequence

<400>   1153
agcgcaggtc aatatgtcat taaccaacct ctaccagttt gggctagacc attgaataac 60
gtaacactca ttcatcaagg ttctggaatg aacaggctac tactagaagt gcgcaaggat 120
ggtgcaagtc tagtaagtag gtatggtact acagtagata gtgcgattcc gtcaggcgca 180
tggataaaca tctc   194

<210>   1154
<211>   194
<212>   DNA
<213>   Artificial Sequence

<400>   1154
cgtatctcag agcctctcag agcgttttag agcatgtttg tttttgagcg taaaaaagag 60
agggttcttt ccctctcaat ttgtttctat tactgtttgg atgttcttgt ttgttgtgac 120
aagaaaatca aatactttct aaataattca tatctaacct atgttcccat ccctcagagg 180
ttcgtatctc cgtg   194

<210>   1155
<211>   194
<212>   DNA
<213>   Artificial Sequence

<400>   1155
caatggcaag tggtaaaaca ttgtttggta aagaggtaat tgtacttcct gacgctatct 60
ttaaaatcga cacaaatgat aaactattat tcattggtga cttagaacaa gctattactt 120
tgttcaatcg tactgaaatg acggtacgtt ggcaagacca caatgtctac ggtgaaatgt 180

tagcgggtgc catc 194

<210> 1156
<211> 194
<212> DNA
<213> Artificial Sequence

<400> 1156
tcttaatcat tccacgggca acgtctagag gatattttat gagacctgag gtgtctacta 60
cgctagtgaa tacttttttca actaatttgc ttgggttagt tgcgtagtcc caaacgtcac 120
caacaacact gctaacctta tcaaacgcac ttttagccat gtttttggca ccgttccaga 180
tgtttattac gcct 194

<210> 1157
<211> 193
<212> DNA
<213> Artificial Sequence

<400> 1157
tttagcatac tacagtaaaa tggaaaaggt tgaaaaaggt gagttacaaa tgaatgagat 60
tgaggattta gatgatatgc taaacttagt tctctccatt ttctcaaaca caaaacttac 120
ttatgatatg ttagtggata acgtagcctt tgaggactta ttaccattag tacagggagt 180
ctttgaacaa gtc 193

<210> 1158
<211> 193
<212> DNA
<213> Artificial Sequence

<400> 1158
gtgaaattac actagagaac tcacaaatca aaaacaatat aaaacagtac agtagcacag 60
gagtgattaa aaacgcacat cgtcaaatta tggcagcaaa ctatatactc atggctacaa 120
ctaatgaagc aggtaacaca aactacaatc aattatatct agaccctgac gcactaaatc 180
tacaaacatt cag 193

<210> 1159
<211> 193
<212> DNA
<213> Artificial Sequence

<400> 1159
tttaacacaa aaggtgagtt taatagtgcg ttactagttg acaaacagtt gattttcatt 60
gatgaattga acccttataa tttagaacca gaggtattta aacaacaaat tacggctaca 120
cgcattatgg tgaatgaaaa gggtaaggct gaatatgacg cgcgctttgg cggacacttt 180
gcgggtgcta gta 193

<210> 1160
<211> 193
<212> DNA
<213> Artificial Sequence

<400> 1160
tttcccttag catttcgttt tctctaatga ggttattacg ttcacgaagt aatagaactt 60
tatccacttt atcaaggttc tcaggcgttt cccatctatt ggacattagg ttcactctcc 120
ttataagtga aatcacttgc gaaaaatgaa gcgtaacgtt tatcattaat gtctgtaggg 180
aatacccaag tta 193

<210> 1161
<211> 193
<212> DNA
<213> Artificial Sequence

<400> 1161
acatagcgcg tgagcgtttg gctttgtcta gtggaataac catttcaggt ttattaccct 60
ctccccccat agctaaatgt tctcgtgtga tgagtccacc gttagcataa ccagtaccgc 120

gccatccgcg cgttagagaa ccgtaacggg ctaaagtata tctaattgac gctaaaatgt 180
ttgataatgg gtc 193

<210> 1162
<211> 193
<212> DNA
<213> Artificial Sequence

<400> 1162
aatacaatac ctacgcgctc agaaatgtca tcacagaacg cgtctgtaat acgttcagcc 60
tcctcctcat gaggaatgta ggcgtgacag tctgtgttgc tctgtaacat ggtaacatgg 120
tccctaattc cctcgtagaa gtcagccata attaattgcc caatcacaca tgttagaaat 180
tgaaaacgtg ggt 193

<210> 1163
<211> 193
<212> DNA
<213> Artificial Sequence

<400> 1163
tagctgacta agttctgcgt tttcctcaat aagctcctca ttgtcctcaa ttagttcagc 60
tatgcgttga cttttatggt caacctcatc tgctaactcg tctacctcta aacgagcgtc 120
taacaacatt tcccttagca tttcgttttc tctaatgagg ttattacgtt cacgaagtaa 180
tagaacttta tcc 193

<210> 1164
<211> 193
<212> DNA
<213> Artificial Sequence

<400> 1164
cctaatacat cgtcaatacg gtctgaaatc gtgtctctat caaacccata ctcatctacg 60
agtttagcac ctaaagcgct tgccataata atgttgaaag caagtttttc ctcatctact 120
tttttacagt atttcaactt atcaaaatca aactttagtt cctgtaagac gttctcaaac 180
gctttgtgtg ttt 193

<210> 1165
<211> 193
<212> DNA
<213> Artificial Sequence

<400> 1165
ctgaatgttt gtagatttag tgcgtcaggg tctagatata attgattgta gtttgtgtta 60
cctgcgtcat tagttgtagc catgagtata tagtttgctg ccataatttg acgatgtgcg 120
tttttaaaca ctcctgtgct actgtactgt tttatattgt ttttgatttg tgagttctct 180
agtgtaattt cac 193

<210> 1166
<211> 193
<212> DNA
<213> Artificial Sequence

<400> 1166
ttgtaacagt gcgtttgttt gttgttgctg tacaatcaat tgagcaatta gctcatcatt 60
agaaccctga ccagctacca cggttgtttg tgatacacct aaccgctttt gtgcctcagc 120
tagtagagac atagcgcgtg agcgtttggc tttgtctagt ggaataacca tttcaggttt 180
attaccctct ccc 193

<210> 1167
<211> 193
<212> DNA
<213> Artificial Sequence

<400> 1167
cgtctccgtt gaacacgggg tactctttgc caaacctcca atttacacta ttaaactcac 60

ctgtgtaaat taaaacatct ccgactttta gttcattaac tttaaccatt gttttcctcc 120
ttaatataca acactaacaa tgtagtacgg ttgtattact acattcacgg gcacagagct 180
tagtagcata atc 193

<210> 1168
<211> 193
<212> DNA
<213> Artificial Sequence

<400> 1168
caacactaac aatgtagtac ggttgtatta ctacattcac gggcacagag cttagtagca 60
taatcagaaa aacctctcct gtttgcatac gttcaataac aaactctggg gaacccttat 120
atgtgtaaga gcgtccgttg accatgcaga tggtaatggt acgggtctca ttgctttcat 180
taataacagg tgt 193

<210> 1169
<211> 193
<212> DNA
<213> Artificial Sequence

<400> 1169
tttgatgttc tttctcgtaa agaacatgag gataataagc acctagagaa agaactctta 60
gataaacgtc ttgaggcgaa aaatacagat gaaacagaga atacattgaa cgaagtaaag 120
ttacaaaagt ttgtgttagt acctggggta aaattgccta ttaatacatt gtttggtgcc 180
acaggtgcag agt 193

<210> 1170
<211> 193
<212> DNA
<213> Artificial Sequence

<400> 1170
catttcaccg tagacattgt ggtcttgcca acgtaccgtc atttcagtac gtttgaacaa 60
agtaagagct tgttctaagt caccaatgaa taatagttta tcatttgtgt cgtttttaaa 120
gatagcgtca ggaagtacaa ttacctcttt accaaacaat gttttaccac ttgccattgc 180
tacgtttggt tga 193

<210> 1171
<211> 193
<212> DNA
<213> Artificial Sequence

<400> 1171
tatgatataa tattaataga acataacata ttaggaggaa ttataatgat taaattagaa 60
ctaaaagtaa aaggtaaaaa acaaacattt acagcggaga aagtaactgt acgaacaatg 120
cgcgagaatt tagcatacta cagtaaaatg gaaaaggttg aaaaaggtga gttacaaatg 180
aatgagattg agg 193

<210> 1172
<211> 193
<212> DNA
<213> Artificial Sequence

<400> 1172
gtatacgtca gctcattccg tacgaacatt tacaagaaat ttaaaaataa tgcttgacaa 60
ctggttgggg ttttgataaa ctaataaatg tattaaaaca ttaggaggaa aacagatgaa 120
taaagaataa acacacaaag cgtttgagaa cgtcttacag gaactaaagt ttgattttga 180
taagttgaaa tac 193

<210> 1173
<211> 193
<212> DNA
<213> Artificial Sequence

<400> 1173

acccacgttt tcaatttcta acatgtgtga ttgggcaatt aattatggct gacttctacg 60
agggacttag ggaccatgtt accatgttac agagcaacac agactgtcac gcctacattc 120
ctcatgagga ggaggctgaa cgtattacag acgcgttctg tgatgacatt tctgagcgcg 180
taggtattgt att   193

<210>   1174
<211>   193
<212>   DNA
<213>   Artificial Sequence

<400>   1174
ctgaatgttt gtagatttag tgcgtcaggg tctagatata attgattgta gtttgtgtta 60
cctgcgtcat tagttgtagc catgagtata tagtttgctg ccataatttg acgatgtgcg 120
tttttaatca ctcctgtgct actgtactgt tttatattgt ttttgatttg tgagttctct 180
agtgtaattt cac   193

<210>   1175
<211>   193
<212>   DNA
<213>   Artificial Sequence

<400>   1175
ttactttgtt caaacgtact gaaatgacgg tacgttggca agaccacaat gtctacggtg 60
aaatggtagc gggtgccatc cgttttgacg tagtagctac agacacaaag gcgggcttaa 120
tgttcaaatt aggagctatt cctaacaacg tttctacggt aacagtagca aatgcgtctg 180
agttccctag tgg   193

<210>   1176
<211>   192
<212>   DNA
<213>   Artificial Sequence

<400>   1176
tttacacagg tgagtttaat agtgtaaatt ggaggtttgg caaagagtac cccgtgttca 60
acggagacgg tcaactatat gttttgacag atatgcataa tatgtatttt atttttgacc 120
atgaggacta tattgagtca aaatttgaac tgaaagaaaa ggaggctgta aaggaaacgg 180
gaattgtaca ca   192

<210>   1177
<211>   192
<212>   DNA
<213>   Artificial Sequence

<400>   1177
ttgactctaa tgccatgttt tttacctcct ctaatactct acagaacaat aataggtata 60
tacatttgat ggtcctgcat ttactgtgat tgttgttcct gttgctgtcc atgatgtgtc 120
taatacgatt gaggcgtcat atctacgcca tacaaacgaa gtaaaattat cagtaatgtc 180
atccttgcct tt   192

<210>   1178
<211>   192
<212>   DNA
<213>   Artificial Sequence

<400>   1178
atgagtaaaa tgataaatag actagcatac aatcaaagtt aggagcggga acgaatgcca 60
atgactgagg acaactttat caaaatgcaa ttaaccatgg agcgtattga cgcacgttta 120
gaggacgtga gagagattaa aaaagagctg tctggtgccc gtcaacaaat cgcggaccta 180
gacaaacgtc tt   192

<210>   1179
<211>   192
<212>   DNA
<213>   Artificial Sequence

<400> 1179
tctcctggtc tatatccact tgttacgcgc ataccagggt atttggcaat caccttacgc 60
gctacattag taaggtattt atacacaccc gctgtaccta cagacgtatc taggctcccg 120
ctctcaatcg cctcagtaac acgtgacgta agagcgctag tagctttctt aatcattcca 180
cgggcaacgt ct 192

<210> 1180
<211> 192
<212> DNA
<213> Artificial Sequence

<400> 1180
aaattcatga tttaattaaa gttgaaacaa ccatgttgga ccctgcgtca ggttggcaaa 60
gatagagtga tgttatggga tacactaaca cacctacagc cacgcgagta ggtagaacgg 120
ttcaaatagc aggtgcgttt aaacccataa accaacttag cgcaggtcaa tatgtcatta 180
accaacctct ac 192

<210> 1181
<211> 192
<212> DNA
<213> Artificial Sequence

<400> 1181
ctcctcaggt tgtaagtaaa cgtcaaaaac ctcctccaat cagcttacca ccgcacattg 60
ggcaatagtg aatctcaaac tgagcggtat aaccttggtt gtcaacctca gttgtgactg 120
tcatagtgtt cccgtttata aacacctcag tcatgtcagt cctcccactc cataagtaat 180
ctgaggaaaa ta 192

<210> 1182
<211> 192
<212> DNA
<213> Artificial Sequence

<400> 1182
tttgcctctc catgttgagg tgtctgcata atcataaaaa ctgagaaaga aatgtaggag 60
tggttcgttt acgcgcgcgt tagagccatc cattgggaaa attttcaaac gcacgtacat 120
tttggctgtg tgtacaattc ccgtttcctt tacagcctcc ttttctttca gttcaaattt 180
tgactcaata ta 192

<210> 1183
<211> 192
<212> DNA
<213> Artificial Sequence

<400> 1183
atgagtaaaa tgataaatag actagcatac aatcaaagtt aggagcggga acgaatgcca 60
atgaatgagg acaactttat caaaatgcaa ttaaccatgg agcgtattga cgcacgttta 120
gaggacggga gagagattaa aaaagagctg tctggtgccc gtcaacaaat cgcggaccta 180
gacaaacgtc tt 192

<210> 1184
<211> 192
<212> DNA
<213> Artificial Sequence

<400> 1184
cgcctcagta acacgtgacg taagagcgct agtagctttc ttaatcattc cacgggcaac 60
gtctcgagga tattttatga gacctgaggt gtctactacg ctagagaata ctttttcaac 120
taatttgctt gggttagttg cgtagtccca aacgtcacca acaacactgc taaccttatc 180
aaacgcactt tt 192

<210> 1185
<211> 192
<212> DNA
<213> Artificial Sequence

<400> 1185
tattttcctc agattactta tggagtggga ggactgacat gactgaggtg tttataaacg 60
ggaaaactat gacagtcaca actgaggttg acaaccaagg ttataccgct cagtttgaga 120
ttcactagtg cccaatgtgc ggtggtaagc tgattggagg aggtttttga cgtttactta 180
caacctgagg ag 192

<210> 1186
<211> 192
<212> DNA
<213> Artificial Sequence

<400> 1186
aaattcatga tttaattaaa gttgaaacaa ccatgttgga ccctgcgtca ggttggcaaa 60
gatatagtga tgttatggga tacactaaca cacctacagc cacgcgagta ggtagaacgg 120
ttcaaatcgc aggtgcgttt aaacccataa accaacttag cgcaggtcaa tatgtcatta 180
accaacctct ac 192

<210> 1187
<211> 192
<212> DNA
<213> Artificial Sequence

<400> 1187
gctacgttat ccactaacat atcataagta agttttgtgt ttgagaaaat ggagagaact 60
aagtttagca tatcatctaa aacctcaatc tcattcattt gtaactcacc tttttcaacc 120
ttttccaatt tactgtagta tgctaaaatc tcgcgcattg ttcgtacagt tactttctcc 180
gctgtaaatg tt 192

<210> 1188
<211> 192
<212> DNA
<213> Artificial Sequence

<400> 1188
gcccctgcgg ttataccctc aaatttatac gttgaaggtg tgtcaccttg ttttattgtt 60
tgccatgtac tgagagcgtc aaaattacct accctaatta acccattatt gttgctgaat 120
gcgtctagtg tgacggaata tttaactcct gctggcaagt agttggttaa taagtcattg 180
ctataataga ct 192

<210> 1189
<211> 192
<212> DNA
<213> Artificial Sequence

<400> 1189
ttgactctaa tgccatgttt tttacctcct ctaataatct acagaacaat aatatgtata 60
tacaattgat tgtcctgcat ttactgtgat tgtttttcct gttgctgtcc atgatgtgtc 120
taatacgttt gaggcgtcat atctacgcca tacaaacgaa gtaaaattat cagtaatgtc 180
atccttgcct tt 192

<210> 1190
<211> 192
<212> DNA
<213> Artificial Sequence

<400> 1190
gctacgttat ccactaacat atcataagta agttttgtgt ttgagaaaat ggagagaact 60
aagtatagca tatcatctaa aacctcaatc tcattcattt gtaactcacc tttttcaacc 120
ttttccattt tactgtagta tgctaaaatc tcgcgcattg ttcgtacagt tactttctcc 180
gctgtaaatg tt 192

<210> 1191
<211> 192
<212> DNA

<213> Artificial Sequence

<400> 1191
attgagaaaa atagactatg gcaagcggtc aacttcttta ctgacccact aagtgaaaaa 60
gcattatgtg agttcatagg gtcatgcgtc tatgagaaca aacctgaggc tgttcatgct 120
caaattggtg tctcacgcgg tacacgcaac ggaggaaatg gaaagtctat tctaatgacc 180
aaaatcatag gc   192

<210> 1192
<211> 192
<212> DNA
<213> Artificial Sequence

<400> 1192
gcctatgatt ttggtcatta gaatagactt tccatttcct ccgttgcgtg taccgcgtga 60
gacaacaatt tgagcatgaa cagcctcagg tttgttctca tagacgcatg accctatgaa 120
ctcacatcat gctttttcac ttagtgggtc agtaaagaag ttgaccgctt gccatagtct 180
atttttctca at   192

<210> 1193
<211> 192
<212> DNA
<213> Artificial Sequence

<400> 1193
agtaaaagag tgtattccgt ttgctttacc ttttacgtca cagtctacta ctaataattt 60
gtttagttcc ccacataaga ccccttttatt catgtttctt attttaccta atgttttgta 120
actctcttga gcttgccact cttttatcgc gggaatttta gtacgcgctt tgagaggaaa 180
ccccttaaat tg   192

<210> 1194
<211> 192
<212> DNA
<213> Artificial Sequence

<400> 1194
gtagaggttg gttaatgaca tattgacctg cgctaagttg gtttatgggt ttaaacgcac 60
ctgcgatttg aaccgttcta cctactcgcg tggctgtagg tgtgttagtg tatcccataa 120
catcactcta tctttgccaa cctgacgcag ggtccaacat ggttgtttca actttaatta 180
aatcatgaat tt   192

<210> 1195
<211> 192
<212> DNA
<213> Artificial Sequence

<400> 1195
atgagtaaaa tgataaatag actagcatac aatcaaagtt aggagcggga acgaatgcca 60
atgactgagg acaactttat caaaatgcaa ttaaccatgg agcgtattga cgcacgttta 120
gaggacggga gagagattaa aaaagagctg tctggtgccc gtcaacaaat cgcggaccta 180
gacaaacgtc tt   192

<210> 1196
<211> 192
<212> DNA
<213> Artificial Sequence

<400> 1196
tattttcctc agattactta tggagtggga ggactgacat gactgaggtg tttataaacg 60
ggaacactat gacagtcaca actgaggttg acaaccaagg ttataccgct cagtttgaga 120
ttcactagtg cccaatgtgc ggtggtaagc tgattggagg aggtttttga cgtttactta 180
caacctgagg ag   192

<210> 1197
<211> 192

<212> DNA
<213> Artificial Sequence

<400> 1197
aacatttaca gcggagaaag taactgtacg aacaatgcgc gagattttag catactacag 60
taaattggaa aaggttgaaa aaggtgagtt acaaatgaat gagattgagg ttttagatga 120
tatgctatac ttagttctct ccattttctc aaacacaaaa cttacttatg atatgttagt 180
ggataacgta gc   192

<210> 1198
<211> 192
<212> DNA
<213> Artificial Sequence

<400> 1198
gcctatgatt ttggtcatta gaatagactt tccatttcct ccgttgcgtg taccgcgtga 60
gacaccaatt tgagcatgaa cagcctcagg tttgttctca tagacgcatg accctatgaa 120
ctcacatcat gctttttcac ttagtgggtc agtaaagaag ttgaccgctt gccatagtct 180
atttttctca at   192

<210> 1199
<211> 192
<212> DNA
<213> Artificial Sequence

<400> 1199
aaaggcaagg atgacattac tgataatttt acttcgtttg tatggcgtag atatgacgcc 60
tcaatcgtat tagacacatc atggacagca acaggaaaaa caatcacagt aaatgcagga 120
caatcaattg tatatacata ttattgttct gtagattatt agaggaggta aaaaacatgg 180
cattagagtc aa   192

<210> 1200
<211> 191
<212> DNA
<213> Artificial Sequence

<400> 1200
catcattcgt aaaatcagta attttaatca ctgttttatc tttatataac ctagcgacac 60
tcaaggtagc accatgttta tctttcaaac tatattcaag tccctcatta acatagtcac 120
gttcaaaacg gtcatagtag aaccattcat caataccatc aacctgcacg aaaaggctgc 180
ctactccaac a   191

<210> 1201
<211> 191
<212> DNA
<213> Artificial Sequence

<400> 1201
caattattct aggtgttatt ttggcaattt cattgatgtt aaatgtgcgt tatagtgtag 60
agcgcaaata cttagtcgcc atcatggagg cacaaagtaa gtcaattact gagcttacga 120
ctgtcaatgg tggtacaaag tatgagaaac gttaatacga aacatgaacg gtttgaaccc 180
atggacgagc c   191

<210> 1202
<211> 191
<212> DNA
<213> Artificial Sequence

<400> 1202
ctcacgcgtg ggtagcaaca acgggtggtg gtattgttca gaaagaggct aacgatagaa 60
caccctatag acaatattcc aaacaggggt attgtgaaat ttcttcccgt cctgacggtc 120
agtgtgagtg ggaggatatg ttaaattggg ttttggcgtt tattgagaca aacaatttag 180
acgtacaagg t   191

<210> 1203

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

<400> 1203
cgtcctcata cccgtctgct agtcttgtgg taattaattg agactgtgca gggtcataac 60
aaataccttg tacgtctaaa ttgtttgtct caataaacgc caaaacccaa tttaacatat 120
cctcccactc acactgaccg tcaggacggg aagaaatttc acaatacccc tgtttggaat 180
attgtctata g   191

<210> 1204
<211> 191
<212> DNA
<213> Artificial Sequence

<400> 1204
cttcattagt tgtagccatg agtatatagt ttgctgccat aatttgacga tgtgcgtttt 60
taaacactcc tgtgctactg tactgtttta tattgttttt gatttgtgag ttctctagtg 120
taatttctcc tgagccagtt gagttatctg aatatttcac attgtaaggg tttctgatgg 180
tactacctac a   191

<210> 1205
<211> 191
<212> DNA
<213> Artificial Sequence

<400> 1205
aacaatcatg tcatcatcca cattaataat gtaacccatg ttagaaacgc tgtacatatc 60
aaaaggctcg tccatgggtt caaaccgttc atgtttcgta ttaacgtttc tcatactttg 120
taccaccatt gacagtcgta agctcagtaa ttgacttact ttgtgcctcc atgatggcga 180
ctaagtattt g   191

<210> 1206
<211> 191
<212> DNA
<213> Artificial Sequence

<400> 1206
ttgacagtcg taagctcagt aattgactta ctttgtgcct ccatgatggc gactaagtat 60
ttgagctcta cactataacg cacatttaac atcaatgaaa ttgccaaaat aacacctaga 120
ataattgtac ccattataaa cacttccttt tctaattata ttctaataat accacagaat 180
ggagcacttg t   191

<210> 1207
<211> 191
<212> DNA
<213> Artificial Sequence

<400> 1207
tgaccaaacg ggtaagaagt tcacttggaa ctttgagcat atccaatcaa acaacggaat 60
taaaccagtt acaaaaaacc catttaccta caatgcacct gtagcaaaca aagcttccgt 120
tgttaaatca tctagatggc tactcaagta taaagactca gtagccacaa gggaggtagt 180
ggataaggta a   191

<210> 1208
<211> 191
<212> DNA
<213> Artificial Sequence

<400> 1208
ctatagacaa tattccaaac aggggtattg tgaaatttct tcccgtcctg acggtcagtg 60
tgattgggag gatatgttaa attgggtttt ggcgtttatt gagacaaaca atttagacgt 120
acaaggtctt tgttatgacc ctgcacagtc tcaattaatt accacaagac tagcagacgg 180
gtatgaggac g   191

<210>   1209
<211>   191
<212>   DNA
<213>   Artificial Sequence

<400>   1209
caattattct aggtgttatt ttggcaattt cattgatgtt aaatgtgcgt tatagtgtag 60
agctcaaata cttagtcgcc atcatggagg cacaaagtaa gtcaattact gagcttacga 120
ctgtcaaagg tggtacaaag tatgagaaac gttaatacga aacatgaacg gtttgaaccc 180
atggacgagc c   191

<210>   1210
<211>   191
<212>   DNA
<213>   Artificial Sequence

<400>   1210
tttaacaacg gaagctttgt ttgctacagg tgcattgtag gtaaatgggt tttttgtaac 60
tggattaatt ccgttgtttg attggatatg ctcaaagttc caagtgaact tcttacccgt 120
ttggtcacgt gtcattgtac agcggaacca agatgatttg tacttagtta cgtctgtctt 180
gatagatttt a   191

<210>   1211
<211>   191
<212>   DNA
<213>   Artificial Sequence

<400>   1211
atattgtatc agacaatgtt attgctgaaa acgggatgtt taaaaaagtt agtggggttg 60
agattgtagg tagtaccatc agaaaccctt acaatgtgaa atattcagat aactcaactg 120
gctcaggaga aattacacta gagaactcac aaatcaaaaa caatataaaa cagtacagta 180
gcacaggagt g   191

<210>   1212
<211>   191
<212>   DNA
<213>   Artificial Sequence

<400>   1212
ttaccttatc cactacctcc cttgtggcta ctgagtcttt atacttgagt agccatctag 60
atgttttaac aacggaagct ttgtttgcta caggtgcatt gtaggtaaat gggtttttg 120
taactggatt aattccgttg tttgattgga tatgctcaaa gttccaagtg aacttcttac 180
ccgtttggtc a   191

<210>   1213
<211>   191
<212>   DNA
<213>   Artificial Sequence

<400>   1213
ctatagacaa tattccaaac aggggtattg tgaaatttct tcccgtcctg acggtcagtg 60
tgagtgggag gatatgttaa attgggtttt ggcgtttatt gagacaaaca atttagacgt 120
acaaggtctt tgttatgacc ctgcacagtc tcaattaatt accacaagac tagcagacgg 180
gtatgaggac g   191

<210>   1214
<211>   191
<212>   DNA
<213>   Artificial Sequence

<400>   1214
taccacgctt tgagttgcct gtagtcactg tcaaatcgtt caaagaatga ggtaagggac 60
tcagttattt ttgactgagt tacattcaca ttggctaaat gtgggtgcat ggttttgaac 120
atatcaatcg taagccacgt aggagcctca tagccctctc taaatcgttc aaaggtaact 180
tgtacctcat c   191

<210>   1215
<211>   191
<212>   DNA
<213>   Artificial Sequence

<400>   1215
cttcattagt tgtagccatg agtatatagt ttgctgccat aatttgacga tgtgcgtttt 60
taatcactcc tgtgctactg tactgtttta tattgttttt gatttgtgag ttctctagtg 120
taatttctcc tgagccagtt gagttatctg aatatttcac attgtaaggg tttctgatgg 180
tactacctac a   191

<210>   1216
<211>   191
<212>   DNA
<213>   Artificial Sequence

<400>   1216
tgaccaaacg ggtaagaagt tcacttggaa ctttgagcat atccaatcaa acaacggaat 60
taatccagtt acaaaaaacc catttaccta caatgcacct gtagcaaaca aagcttccgt 120
tgttaaatca tctagatggc tactcaagta taaagactca gtagccacaa gggaggtagt 180
ggataaggta a   191

<210>   1217
<211>   191
<212>   DNA
<213>   Artificial Sequence

<400>   1217
ggctcgtcca tgggttcaaa ccgttcatgt ttcgtattaa cgtttctcat actttgtacc 60
accattgaca gtcgtaagct cagtaattga cttactttgt gcctccatga tggcgactaa 120
gtatttgagc tctacactat aacgcacatt taacatcaat gaaattgcca aaataacacc 180
tagaataatt g   191

<210>   1218
<211>   190
<212>   DNA
<213>   Artificial Sequence

<400>   1218
ttgattgtcc tgcatttact gtgattgttt ttcctgttgc tgtccatgat gtgtctaata 60
cgattgaggc gtcatatcta cgccatacaa acgaagtaaa attatcagta atgtcatcct 120
tgcctttgac aactttagct gatatactga ttgtaccctc accatttaca aaaaactgtt 180
tagacggtgt   190

<210>   1219
<211>   190
<212>   DNA
<213>   Artificial Sequence

<400>   1219
atgagaaagt acgcgctgag ggaatgcgtt tacaggagca agaaatagaa aagaaagtga 60
ctatacgcgt ggatggggac caggatgaag ttgaggatga gtttgttatt gttaagattg 120
ctaaaaatga tttaggtaac cttgatgttg cgtatgagct agtataacaa cgttttacac 180
ataaatggta   190

<210>   1220
<211>   190
<212>   DNA
<213>   Artificial Sequence

<400>   1220
gacggtcaac tatatgtttt gacagatatg cataatatgt attttatttt tgaccatgag 60
gactatattg agtcaaaatt tgaactgaaa gaaaaggagg ctgtaaagga aacgggaatt 120
gtacacaaag ccaaaatgta cgtgcgtttg aaaattttcc caatggatgg ctctaacgcg 180

cgcgtaaacg 190

<210> 1221
<211> 190
<212> DNA
<213> Artificial Sequence

<400> 1221
actatgacag tcacaactga ggttgacaac caaggttata ccgctcagtt tgagattcac 60
tagtgcccaa tgtgcggtgg taagctgatt ggaggaggtt tttgacgttt acttacaacc 120
tgaggaggta ttttaatgtt taaggttgaa catgttagat taacagaata taatgacgcc 180
tatatgagtg 190

<210> 1222
<211> 190
<212> DNA
<213> Artificial Sequence

<400> 1222
cgtcctctaa acgtgcgtca atacgctcca tggttaattg cattttgata aagttgtcct 60
cagtcattgg cattcgttcc cgctcctaac tttgattgta tgctagtcta tttatcattt 120
tactcatgta gtcaacttgg ttctgtaacg tgtctactgc gttatcttga gtgctatatc 180
cgtttagttc 190

<210> 1223
<211> 190
<212> DNA
<213> Artificial Sequence

<400> 1223
acctttttgtg ttaaatgcgc ggttagatgg gagttctgtg tacatttttc caaacaatgg 60
tgagcctatg attttggtca ttagaataga ctttccattt cctccgttgc gtgtaccgcg 120
tgagacacca atttgagcat gaacagcctc aggtttgttc tcatagacgc atgaccctat 180
gaactcacat 190

<210> 1224
<211> 190
<212> DNA
<213> Artificial Sequence

<400> 1224
attagtaagg tatttataca cacccgctgt acctacagac gtatctaggc tcccgctctc 60
aaacgcctca gtaacacgtg acgtaagagc gctagtagct ttcttaatca ttccacgggc 120
aacgtctcga ggatatttta tgagacctga ggtgtctact acgctagaga atacttttc 180
aactaatttg 190

<210> 1225
<211> 190
<212> DNA
<213> Artificial Sequence

<400> 1225
agtgatgtta tgggatacac taacacacct acagccacgc gagtaggtag aacggttcaa 60
atcgcaggtg cgtttaaacc cataaaccaa cttagcgcag gtcaatatgt cattaaccaa 120
cctctaccag tttgggctag accattgaat aacgtaacac tcattcatca aggttctgga 180
atgaacaggc 190

<210> 1226
<211> 190
<212> DNA
<213> Artificial Sequence

<400> 1226
attagtaagg tatttataca cacccgctgt acctacagac gtatctaggc tcccgctctc 60
aatcgcctca gtaacacgtg acgtaagagc gctagtagct ttcttaatca ttccacgggc 120

aacgtctaga ggatatttta tgagacctga ggtgtctact acgctagaga atacttttttc 180
aactaatttg 190

<210> 1227
<211> 190
<212> DNA
<213> Artificial Sequence

<400> 1227
tagcatatca tctaaaacct caatctcatt catttgtaac tcacctttt caacctttc 60
caatttactg tagtatgcta aaatctcgcg cattgttcgt acagttactt tctccgctgt 120
aaatgtttgt tttttacctt ttacttttag ttctaattta atcattataa ttcctcctaa 180
tatgttatgt 190

<210> 1228
<211> 190
<212> DNA
<213> Artificial Sequence

<400> 1228
gactatagaa tattcaaacg ggaacatgcg agtgttgttt aacgactcat caactaacag 60
aatagtctat tatagcaatg acttattaac caactacttg ccagcaggag ttaaatattc 120
cgtcacatta gacgcattca gcaacaataa tgggttaatt agggtaggta attttgacgc 180
tctcagtaca 190

<210> 1229
<211> 190
<212> DNA
<213> Artificial Sequence

<400> 1229
cgtttacgcg cgcgttagag ccatccattg ggaaaatttt caaacgcacg tacattttgg 60
ctgtgtgtac aattcccgtt tcctttacag cctccttttc tttcagttca aattttgact 120
caatatattc ctcatggtca aaaataaaat acatattatg catatctgtc aaaacatata 180
gttgaccgtc 190

<210> 1230
<211> 190
<212> DNA
<213> Artificial Sequence

<400> 1230
caatttgagc atgaacagcc tcaggtttgt tctcatagac gcatgaccct atgaactcac 60
atcatgcttt ttcacttagt gggtcagtaa agaagttgac cgcttgccat agtctatttt 120
tctcaatctc tggtagcgtc acaggtgtct cttttacatg aatgggtaaa atggtgtctt 180
gcgttctata 190

<210> 1231
<211> 190
<212> DNA
<213> Artificial Sequence

<400> 1231
tggaaaaggt tgaaaaaggt gagttacaaa tgaatgagat tgaggtttta gatgatatgc 60
tatacttagt tctctccatt ttctcaaaca caaaacttac ttatgatatg ttagtggata 120
acgtagcctt tgaggactta ttaccattag tacagggagt ctttgaacaa gtcaacgggg 180
gtacagtttc 190

<210> 1232
<211> 190
<212> DNA
<213> Artificial Sequence

<400> 1232
atttgaaccg ttctacctac tcgcgtggct gtaggtgtgt tagtgtatcc cataacatca 60

ctctatcttt gccaacctga cgcagggtcc aacatggttg tttcaacttt aattaaatca 120
tgaatttcca gctttgagtt acctaatgaa acgcgcgaat ctgttagacg caaacctgta 180
ctactatact 190

<210> 1233
<211> 190
<212> DNA
<213> Artificial Sequence

<400> 1233
atgcgtaagc tgtgtgtaaa aatggatttt gaccatcctg tacgtttgca atactcaatg 60
gctttgactc taatgccatg ttttttacct cctctaataa tctacagaac aataatatgt 120
atatacaatt gattgtcctg catttactgt gattgttttt cctgttgctg tccatgatgt 180
gtctaatacg 190

<210> 1234
<211> 190
<212> DNA
<213> Artificial Sequence

<400> 1234
gttacgtgat tctagctctt tgatgtcgtc ctctagtttg ttaacatggt caattgactg 60
cgaaagacgt ttgtctaggt ccgcgatttg ttgacgggca ccagacagct ctttttaat 120
ctctctcccg tcctctaaac gtgcgtcaat acgctccatg gttaattgca ttttgataaa 180
gttgtcctca 190

<210> 1235
<211> 189
<212> DNA
<213> Artificial Sequence

<400> 1235
tgtactgaga gcgtcaaaat tacctaccct aattaaccca ttattgttgc tgaatgcgtc 60
tagtgtgacg gaatatttaa ctcctgctgg caagtagttg gttaataagt catggctata 120
tagactcttc tgttagttga tgagtcgtta aacaacactc gcatgttccc gtttgaatat 180
tctatagtc 189

<210> 1236
<211> 190
<212> DNA
<213> Artificial Sequence

<400> 1236
ttaaaggagg aataaagatg ttaggttgtg attattgtaa atttgaacca atgagggaga 60
cactattttc ctcagattac ttatggagtg ggaggactga catgactgag gtgtttataa 120
acgggaacac tatgacagtc acaactgagg ttgacaacca aggttatacc gctcagtttg 180
agattcacta 190

<210> 1237
<211> 190
<212> DNA
<213> Artificial Sequence

<400> 1237
gacggtcaac tatatgtttt gacagatatg cataatatgt attttatttt tgaccatgag 60
gactatattg agtcaaaatt tgaactgaaa gaaaaggagg ctgtaaagga aacgggaatt 120
gtacacacag ccaaaatgta cgtgcgtttg aaaattttcc caatggatgg ctctaacgcg 180
cgcgtaaacg 190

<210> 1238
<211> 190
<212> DNA
<213> Artificial Sequence

<400> 1238

attagtaagg tatttataca cacccgctgt acctacagac gtatctaggc tcccgctctc 60
aatcgcctca gtaacacgtg acgtaagagc gctagtagct ttcttaatca ttccacgggc 120
aacgtctcga ggatatttta tgagacctga ggtgtctact acgctagaga atacttttc 180
aactaatttg   190

<210>   1239
<211>   190
<212>   DNA
<213>   Artificial Sequence

<400>   1239
tgacggtgta tagaccatga gggtgttagg tatggtttca tgtcctaagt ctttcattaa 60
ggtagtaaaa gagtgtattc cgtttgcttt acctttttacg tcacagtcta ctactaataa 120
tttgtttagt tccccacata agaccccttt attcatgttt cttattttac ctaatgtttt 180
gtaactctct   190

<210>   1240
<211>   189
<212>   DNA
<213>   Artificial Sequence

<400>   1240
ggtaaaattg cctattaata cattgtttgg tgccacaggt gcagagttta atgggttata 60
tgacccacgt tttcaatttc taacatgtgt gagtgggcaa ttaattatgg ctgacttcta 120
cgagggaatt agggaccatg ttaccatgtt acagagcaac acagactgtc acgcctacat 180
tcctcatga   189

<210>   1241
<211>   189
<212>   DNA
<213>   Artificial Sequence

<400>   1241
tcattagttg tagccatgag tatatagttt gctgccataa tttgacgatg tgcgttttta 60
atcactcctg tgctactgta ctgttttata ttgtttttga tttgtgagtt ctctagtgta 120
atttcacctg agccagttga gttatctgaa tatttcacat tgtaagggtt tctgatggta 180
ctacctaca   189

<210>   1242
<211>   189
<212>   DNA
<213>   Artificial Sequence

<400>   1242
cttataagga gagtgaacct aatgtccaat agatgggaaa cgcctgagaa ccttgataaa 60
gaggataaag ttctattact tcgtgaacgt aataacctca ttagagaaaa cgaaatgcta 120
agggaaatgt tgttagacgc tcgtttagag gtagacgagt tagcagatga ggttgaccat 180
aaaagtcaa   189

<210>   1243
<211>   189
<212>   DNA
<213>   Artificial Sequence

<400>   1243
atcataagta agttttgtgt ttgagaaaat ggagagaact aagtttagca tatcatctaa 60
aacctcaatc tcattcattt gtaactcacc tttttcaacc ttttccattt tactgtagta 120
tgctaaattc tcgcgcattg ttcgtacagt tactttctcc gctgtaaatg tttgtttttt 180
acctttttac   189

<210>   1244
<211>   189
<212>   DNA
<213>   Artificial Sequence

<400> 1244
ttagggacca tgttaccatg ttacagagca acacagactg tcacgcctac attcctcatg 60
aggaggtggc tgaacgtatt acagacgcgt tcggtgatga catttctgag cgcgtaggta 120
ttgtattgga caaagatgag ttcattgcct tattccagaa agatgtcaac aattatattg 180
gtattgacg   189

<210> 1245
<211> 189
<212> DNA
<213> Artificial Sequence

<400> 1245
tacacatata agggttcccc agagtttgtt attgaacgta tgcaaacagg agaggttttt 60
cagattatgc tactaagctc tgtgcccgtg aatgtagtaa tacaaccgta ctacattgtt 120
agtgttgtat attaaggagg aaaacaatgg ttaaagttaa tgaactaaaa gtcggagatg 180
ttttaattt   189

<210> 1246
<211> 189
<212> DNA
<213> Artificial Sequence

<400> 1246
ctgaccagct accacggttg tttgtgatac acctaaccgc ttttgtgcct cagctagtag 60
atacatagcg cgtgagcgtt tggctttgtc tagtggaata accatttcag gtttattacc 120
ctctcccccc atagctaaat gttctcgtgt gatgagtcca ccgttagcat aaccagtacc 180
gcgccatcc   189

<210> 1247
<211> 189
<212> DNA
<213> Artificial Sequence

<400> 1247
ttaaaaacgc acatcgtcaa attatggcag caaactatat actcatggct acaactaatg 60
acgcaggtaa cacaaactac aatcaattat atctagaccc tgacgcacta aatctacaaa 120
cattcagttc caacccaaac tctggtggca atggctacgg tgcagagtat agtagtacag 180
gtttgcgtc   189

<210> 1248
<211> 189
<212> DNA
<213> Artificial Sequence

<400> 1248
ttgaaccctt ataatttaga accagaggta tttaaacaac aaattacggc tacacgcatt 60
atggtgaatg aaaagggtaa ggctgaatat gacgcgcgct ttggcggaca ctttgcgggt 120
gctagtaatg atgtatttaa agtacgtgac gcctcagatg gttcgttaag acgtattttg 180
ccaattatt   189

<210> 1249
<211> 189
<212> DNA
<213> Artificial Sequence

<400> 1249
ggatggcgcg gtactggtta tgctaacggt ggactcatca cacgagaaca tttagctatg 60
gtgggagagg gtaataaacc tgaaatggtt attccactag acaaagccaa acgctcacgc 120
gctatgtctc tactagctga ggcacaaaag cggttaggtg tatcacaaac aaccgtggta 180
gctggtcag   189

<210> 1250
<211> 189
<212> DNA
<213> Artificial Sequence

<400>   1250
gcacctaaag cgcttgccat aataatgttg aaagcaagtt tttcctcatc tacttttta 60
cagtatttca acttatcaaa atcaaacttt agttcctgta agacgttctc aaacgctttg 120
tgtgtttctt ctttattcat ctgttttcct cctaatgttt taatacattt attagtttat 180
caaaacccc   189

<210>   1251
<211>   189
<212>   DNA
<213>   Artificial Sequence

<400>   1251
ggggttttga taaactaata aatgtattaa aacattagga ggaaaacaga tgaataaaga 60
ataaacacac aaagcgtttg agaacgtctt acaggaacta aagtttgatt ttgataagtt 120
gaaatacggt aaaaaagtag atgaggaaaa acttgctttc aacattatta tggcaagcgc 180
tttaggtgc   189

<210>   1252
<211>   189
<212>   DNA
<213>   Artificial Sequence

<400>   1252
cttataagga gagtgaacct aatgtccaat agatgggaaa cgcctgagaa ccttgataaa 60
gtggataaag ttctattact tcgtgaacgt aataacctca ttagagaaaa cgaaatgcta 120
agggaaaagt tgttagacgc tcgtttagag gtagacgagt tagcagatga ggttgaccat 180
aaaagtcaa   189

<210>   1253
<211>   189
<212>   DNA
<213>   Artificial Sequence

<400>   1253
tacacatata agggttcccc agagtttgtt attgaacgta tgcaaacagg agaggttttt 60
ctgattatgc tactaagctc tgtgcccgtg aatgtagtaa tacaaccgta ctacattgtt 120
agtgttgaat attaaggagg aaaacaatgg ttaaagttaa tgaactaaaa gtcggagatg 180
ttttaattt   189

<210>   1254
<211>   189
<212>   DNA
<213>   Artificial Sequence

<400>   1254
atcataagta agttttgtgt ttgagaaaat ggagagaact aagtttagca tatcatctaa 60
atcctcaatc tcattcattt gtaactcacc tttttcaacc ttttccattt tactgtagta 120
tgctaaattc tcgcgcattg ttcgtacagt tactttctcc gctgtaaatg tttgtttttt 180
acctttttac   189

<210>   1255
<211>   189
<212>   DNA
<213>   Artificial Sequence

<400>   1255
cataattaat tgcacaatca cacctgttag atattgataa cgtgggtcat ataacccatt 60
aaagtctgct cctgtggctc catacaatgt tttaataggc tattttaccc catttactta 120
cacatacttt ggtaacgtta cttcgttcat tgtaatctat gtttcatctg tatatttagc 180
ctctagacg   189

<210>   1256
<211>   189
<212>   DNA

<213> Artificial Sequence

<400> 1256
tacacatata agggttcccc agagtttgtt attgaacgta tgcaaacagg agaggttttt 60
ctgattatgc tactaagctc tgtgcccgtg aatgtagtaa tacaaccgta ctacattgtt 120
agtgttgtat attaaggagg aaaacaatgg ttaaagttaa tgaactaaaa gtcggagatg 180
ttttaattt   189

<210> 1257
<211> 189
<212> DNA
<213> Artificial Sequence

<400> 1257
ttgaacatta agcccgcctt tgtgtctgta gctactacgt caaaacggat ggcacccgct 60
aacatttcac cgtagacatt gtggtcttgc caacgtaccg tcatttcagt acgtttgaac 120
aaagtaagag cttgttctaa gtcaccaatg aataatagtt tatcatttgt gtcgttttta 180
aagatagcg   189

<210> 1258
<211> 189
<212> DNA
<213> Artificial Sequence

<400> 1258
ttgaacatta agcccgcctt tgtgtctgta gctactacgt caaaacggat ggcacccgct 60
accatttcac cgtagacatt gtggtcttgc caacgtaccg tcatttcagt acgtttgaac 120
aaagtaagag cttgttctaa gtcaccaatg aataatagtt tatcatttgt gtcgttttta 180
aagatagcg   189

<210> 1259
<211> 189
<212> DNA
<213> Artificial Sequence

<400> 1259
ttgaacatta agcccgcctt tgtgtctgta gctactacgt caaaacggat ggcacccgct 60
accatttcac cgtagacatt gtggtcttgc caacgtaccg tcatttcagt acgtttgaac 120
aaagtaatag cttgttctaa gtcaccaatg aataatagtt tatcatttgt gtcgttttta 180
aagatagcg   189

<210> 1260
<211> 189
<212> DNA
<213> Artificial Sequence

<400> 1260
gcacctaaag cgcttgccat aataatgttg aaagcaagtt tttcctcatc tacttttttа 60
cagtatttca acttatcaaa atcaaacttt agttcctgta agacgttctc aaacgctttg 120
tgtgtttatt ctttattcat ctgttttcct cctaatgttt taatacattt attagtttat 180
caaaacccc   189

<210> 1261
<211> 189
<212> DNA
<213> Artificial Sequence

<400> 1261
ggatggcgcg gtactggtta tgctaacggt ggactcatca cacgagaaca tttagctatg 60
gggggagagg gtaataaacc tgaaatggtt attccactag acaaagccaa acgctcacgc 120
gctatgtctc tactagctga ggcacaaaag cggttaggtg tatcacaaac aaccgtggta 180
gctggtcag   189

<210> 1262
<211> 189

<212> DNA
<213> Artificial Sequence

<400> 1262
ttgactttta tggtcaacct catctgctaa ctcgtctacc tctaaacgag cgtctaacaa 60
catttccctt agcatttcgt tttctctaat gaggttatta cgttcacgaa gtaatagaac 120
tttatccact ttatcaaggt tctcaggcgt ttcccatcta ttggacatta ggttcactct 180
ccttataag   189

<210> 1263
<211> 188
<212> DNA
<213> Artificial Sequence

<400> 1263
tatatgtaaa aaacaacggt gataaaccta tttctatttc aaacagaatg ggagtgggta 60
aaacaatata tcccaatgag agtaagtaca ttagctttga accaacttac accatgggtt 120
caacagagat ggggtttaat ttctactctg acgcaacagg ggacttacct gatattacaa 180
tttggcgc   188

<210> 1264
<211> 188
<212> DNA
<213> Artificial Sequence

<400> 1264
atctgtttgc tagaagaata ccgtccgtga agagtttcaa ttcaacaagg tcaccctcat 60
gacccgtgtg ctcaaatagt ccactattaa aggctaaatc aataacaggt gttttactac 120
gtactagttc ctcacgcatt tccttagcct catcagatag cgtccacaca aactcgtctg 180
cggtaacg   188

<210> 1265
<211> 188
<212> DNA
<213> Artificial Sequence

<400> 1265
gctagtctat ttatcatttt actcatgtag tcaacttggt tctgtaacgt gtctactgcg 60
ttatcttgag tgctatatcc gtttagttca taaatgaggt cgtccatggc taacgcgttg 120
ccatggacct cctcctctag aactctgtta aacagcatat ttaactcatc atcaaaccca 180
ttaccgtt   188

<210> 1266
<211> 188
<212> DNA
<213> Artificial Sequence

<400> 1266
gacggacaaa cgcaccaact tgaactaagt attgatggtc acctatggtg ggtatatgat 60
aaccaaattg aggtattaga ctatgaggag gaaaaataat atgacaaaat tagcagaggt 120
attagaagta catgacgcgg agttagacaa tgttttagat gaattgcgtg cccgcattat 180
ggacgagc   188

<210> 1267
<211> 188
<212> DNA
<213> Artificial Sequence

<400> 1267
tttccctctc aatttgtttc tattactgtt tggatgttct tgtttgttgt gacaagaaaa 60
tcaaatactt tctaaataat tcatatctaa cctatgttcc catccctcag aggttcgtat 120
ctccgtggta tggtgcacca tgtctgcttt ggtagtgata tctttgctca tacatacttc 180
acagaatg   188

<210> 1268

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

<400> 1268
gttgttggtg acgtttggga ctacgcaact aacccaagca aattagttga aaaagtattc 60
tctagcgtag tagacacctc aggtctcata aaatatcctc tagacgttgc ccgtggaatg 120
attaagacag ctactagcgc tcttacgtca cgtgttactg aggcgtttga gagcgggagc 180
ctagatac   188

<210> 1269
<211> 188
<212> DNA
<213> Artificial Sequence

<400> 1269
ttttaaattg ctctaacata attatccccc ttagaataaa tcttgacccg catatacgca 60
agagatgttt atccatgcgc ctgacggaat cgcactatct actgtagtac catacctact 120
tactagactt gcaccatcct tgcgcacttc tagtagtagc ctgttcattc cagaaccttg 180
atgaatga   188

<210> 1270
<211> 188
<212> DNA
<213> Artificial Sequence

<400> 1270
gggggtattt tttagagcgt ctaaaatatt tctaaggtaa ttatacccag aacacttaga 60
acgtatctca gagcctctca gagcgtttta gagcatgttt gtttttgagc gtaaaaaaga 120
gagggttctt tccctctcaa tttgtttcta ttactgtttg gatgttcttg tttgttgtga 180
caagaaaa   188

<210> 1271
<211> 188
<212> DNA
<213> Artificial Sequence

<400> 1271
gctagtctat ttatcatttt actcatgtag tcaacttggt tctgtaacgt gtctactgcg 60
gtatcttgag tgctatatcc gtttagttca taaatgaggt cgtccatggc taacgcgttg 120
ccatggaact cctcctctag aactctgtta aacagcatat ttaactcatc atcaaaccca 180
ttaccgtt   188

<210> 1272
<211> 188
<212> DNA
<213> Artificial Sequence

<400> 1272
ttttaaattg ctctaacata attatccccc ttagaataaa tcttgacccg catatacgca 60
cgagatgttt atccatgcgc ctgacggaat cgcactatct actgtagtac catacctact 120
tactagaatt gcaccatcct tgcgcacttc tagtagtagc ctgttcattc cagaaccttg 180
atgaatga   188

<210> 1273
<211> 188
<212> DNA
<213> Artificial Sequence

<400> 1273
tatatgtaaa aaacaacggt gataaaccta tttctatttc aaacagaatg ggagtgggta 60
caacaatata tcccaatgag agtaagtaca ttagctttga accaacttac accatgggtt 120
caacagatat ggggtttaat ttctactctg acgcaacagg ggacttacct gatattacaa 180
tttggcgc   188

<210>   1274
<211>   188
<212>   DNA
<213>   Artificial Sequence

<400>   1274
gttgttggtg acgtttggga ctacgcaact aacccaagca aattagttga aaaagtattc 60
actagcgtag tagacacctc aggtctcata aaatatcctc tagacgttgc ccgtggaatg 120
attaagaaag ctactagcgc tcttacgtca cgtgttactg aggcgtttga gagcgggagc 180
ctagatac   188

<210>   1275
<211>   188
<212>   DNA
<213>   Artificial Sequence

<400>   1275
gctcgtccat aatgcgggca cgcaattcat ctaaaacatt gtctaactcc gcgtcatgta 60
attctaatac ctctgctaat tttgtcatat tatttttcct cctcatagtc taatacctca 120
atttggtgat catataccca ccataggtga ccatcaatac ttagttcaag ttggtgcgtt 180
tgtccgtc   188

<210>   1276
<211>   188
<212>   DNA
<213>   Artificial Sequence

<400>   1276
tcattcatca aggttctgga atgaacaggc tactactaga agtgcgcaag gatggtgcaa 60
gtctagtaag taggtatggt actacagtag atagtgcgat tccgtcaggc gcatggataa 120
acatctcgtg cgtatatgcg ggtcaagatt tattctaagg gggataatta tgttagagca 180
atttaaaa   188

<210>   1277
<211>   188
<212>   DNA
<213>   Artificial Sequence

<400>   1277
gctcgtccat aatgcgggca cgcaattcat ctaaaacatt gtctaactcc gcgtcatgta 60
cttctaatac ctctgctaat tttgtcatat tatttttcct cctcatagtc taatacctca 120
atttggtgat catataccca ccataggtga ccatcaatac ttagttcaag ttggtgcgtt 180
tgtccgtc   188

<210>   1278
<211>   188
<212>   DNA
<213>   Artificial Sequence

<400>   1278
cgttaccgca gacgagtttg tgtggacgct atctgatgag gctaaggaaa tgcgtgagga 60
cctagtacgt agtaaaacac ctgttattga tttagccttt aatagtggac tatttgagca 120
cacgggtcat gagggtgacc ttgttgaatt gaaactcttc acggacggta ttcttctagc 180
aaacagat   188

<210>   1279
<211>   188
<212>   DNA
<213>   Artificial Sequence

<400>   1279
gctagtctat ttatcatttt actcatgtag tcaacttggt tctgtaacgt gtctactgcg 60
gtatcttgag tgctatatcc gtttagttca taaatgaggt cgtccatggc taacgcgttg 120
ccatggacct cctcctctag aactctgtta aacagcatat ttaactcatc atcaaaccca 180
ttaccgtt   188

<210>   1280
<211>   188
<212>   DNA
<213>   Artificial Sequence

<400>   1280
gttgttggtg acgtttggga ctacgcaact aacccaagca aattagttga aaaagtattc 60
actagcgtag tagacacctc aggtctcata aaatatcctc tagacgttgc ccgtggaatg 120
attaagacag ctactagcgc tcttacgtca cgtgttactg aggcgtttga gagcgggagc 180
ctagatac   188

<210>   1281
<211>   188
<212>   DNA
<213>   Artificial Sequence

<400>   1281
tatatgtaaa aaacaacggt gataaaccta tttctatttc aaacagaatg ggagtgggta 60
caacaatata tcccaatgag agtaagtaca ttagctttga accaacttac accatgggtt 120
caacagagat ggggtttaat ttctactctg acgcaacagg ggacttacct gatattacaa 180
tttggcgc   188

<210>   1282
<211>   187
<212>   DNA
<213>   Artificial Sequence

<400>   1282
gtaggtttta tggtattagg tggcgcttgt ttggctacaa gttttaagct atcaaaggaa 60
ttagagcagg ttgataacat caacgataaa ggagagagtc actaatggga atttttatca 120
gaaacaatcc acacgaagag cgggcaaatc tataccccgt agcaccatca ccaatggttg 180
tggactt   187

<210>   1283
<211>   187
<212>   DNA
<213>   Artificial Sequence

<400>   1283
tactagcacc cgcaaagtgt ccgccaaagc gcgcgtcata ttcagcctta ccctttttcag 60
tcaccttaat gcgtgtagcc gtaatttgtt gtttaaatac ctctggttct aaattataag 120
ggttcaattc atcaatgaaa atcaactgtt tgtcaactag taacgcacta ttaaactcac 180
cttttgt   187

<210>   1284
<211>   187
<212>   DNA
<213>   Artificial Sequence

<400>   1284
ggtggtggta ttgttcagaa agaggctaac gatagaacac cctatagaca atattccaac 60
caggggtatt gtgaaatttc ttcccgtcct gacggtcagt gtgattggga ggatatgtta 120
aattgggttt tggcgtttat tgagacaaac aatttagacg tacaaggtat ttgttatgac 180
cctgcac   187

<210>   1285
<211>   187
<212>   DNA
<213>   Artificial Sequence

<400>   1285
cctctaatgc tttagcacgt tccgcgtcca cagatttatc tttatttttct tctggttcaa 60
cctcgtctgc ctcatcatcc ttaggttgtt catccttagg ttgctcgtca gggttaacct 120
cgtctgtgtg ttcgtcttgt gcctcacgaa tttccttgat taatttatcc gcctcatcta 180

atttacc 187

<210> 1286
<211> 187
<212> DNA
<213> Artificial Sequence

<400> 1286
tactagcacc cgcaaagtgt ccgccaaagc gcgcgtcata ttcagcctta ccctttttcat 60
tcaccttaat gcgtgtagcc gtaatttgtt gtttaaatac ctctggttct aaattataag 120
ggttcaagtc atcaatgaaa atcaactgtt tgtcaactag taacgcacta ttaaactcac 180
cttttgt 187

<210> 1287
<211> 187
<212> DNA
<213> Artificial Sequence

<400> 1287
ttggaaatgg tatagtattg agggggggttg tttagacctg ttacaaatga gtcatcccca 60
ttaatatagg ttacttcttc tgtttcaagt tctccgtcct cattttcaac tggatcaagt 120
ttaccggttt ttactttgaa taagttaaca gctttatcac ccgttttcac agcaaacaca 180
cggttta 187

<210> 1288
<211> 187
<212> DNA
<213> Artificial Sequence

<400> 1288
taaaccgtgt gtttgctgtg aaaacgggtg ataaagctgt taacttattc aaagtaaaat 60
ccggtaaact tgaaccagtt gaaaatgagg acggagaact tgaaacagaa gaagtaacct 120
atattaaagg tgatgactca tatgtaacag gtctaaacaa ccccccctcaa tactatacca 180
tttccaa 187

<210> 1289
<211> 187
<212> DNA
<213> Artificial Sequence

<400> 1289
gaatgagctg acgtatacca tcaatcgttc tacatggtat agggtctctg tgtttctctg 60
tctcaattaa tactttctct gtaggtgtca attcgttttc aggtagttcg tacaagactg 120
ccccaattgg taaaggtgtc gtctcgttgt ttactaactc atatgttttc aaactaattc 180
ctcctct 187

<210> 1290
<211> 187
<212> DNA
<213> Artificial Sequence

<400> 1290
ttgaacaaag taatagcttg ttctaagtca ccaatgaata atagtttatc atttgtgtcg 60
tttttaaaga tagcgtcagg aagtacaatt acctctttac caaacaatgt attaccactt 120
gccattgcta cgtttggttg aataatgtat cgtccgtctg cgtctttcaa cgtatccaat 180
tgagcaa 187

<210> 1291
<211> 187
<212> DNA
<213> Artificial Sequence

<400> 1291
acaacgtaca caccgtactc ttttacaacg tcttctggtg tcatttcaat taccccactg 60
tctcaacgtg acaaatctca atttctgagt agtctaaatg ttcttcatat tcaaggtacg 120

gtaacccatt attaatagct tgttcaatag tatatgcgtc aacgtgaata ctacagcaat 180
agtgctc 187

<210> 1292
<211> 187
<212> DNA
<213> Artificial Sequence

<400> 1292
gtgcagggtc ataacaaata ccttgtacgt ctaaattgtt tgtctcaata aacgccaaat 60
cccaatttaa catatcctcc caatcacact gaccgtcagg acgggaagaa atttcacaat 120
acccctgttt ggaatattgt ctatagggtg ttctatcgtt agcctctttc tgaacaatac 180
caccacc 187

<210> 1293
<211> 187
<212> DNA
<213> Artificial Sequence

<400> 1293
aatgggatga ggtacaagtt acctttgaac gatttagaga gggctatgag gctcctacgt 60
ggcttacgtt tgatatgttc aaaaccatgc acccacattt agccaatgtg aatgtaactc 120
agtcaaatat aaatgagtcc cttacctcat tctttgaacg atttgacagt gactacaggc 180
aactcaa 187

<210> 1294
<211> 187
<212> DNA
<213> Artificial Sequence

<400> 1294
tgcggttata ccctcaaatt tatacgttga aggtgtgtca ccttgtttta ttgtttgcca 60
tgtactgaga gcgtcaaaat tacctaccct aattaaccca ttattgttgc tgaatgcgtc 120
tattgtgtcg gaatatttaa ctcctgctgg caagtagttg gttaataagt cattgctata 180
atagact 187

<210> 1295
<211> 187
<212> DNA
<213> Artificial Sequence

<400> 1295
gctcctgtaa acgcattccc tcagcgcgta ctttctcata ttgctgtact gcctccatta 60
ggtctaaacc gttgtttgca tatacagcta gaatagaggt tcgttggttg cgtatagggt 120
accacgcatt gagttgcctg tagtcactgt caaatcgttc aaagaatgag gtaagggact 180
catttat 187

<210> 1296
<211> 187
<212> DNA
<213> Artificial Sequence

<400> 1296
actcttcatc cttatcctga actactccaa ctattacagt atcacattca tggaatgtct 60
tagcatgttc taaagcttct tcatagcttg gaaaaacatg gtctaatata tcaataatgt 120
ctcctcccac aacgtacaca ccgtactctt tttcaacgtt ttctggtgtc atttcattta 180
ccccact 187

<210> 1297
<211> 187
<212> DNA
<213> Artificial Sequence

<400> 1297
aatttagtat tgaattatga tttctcgaaa gaccccacta ttaatggttg gacaggaaag 60

ggtgcgacta tagaatattc aaacgggaac atgcgagtgt tgtttaacga ctcatcaact 120
aacagaatag tctattatag caatgactta ttaaccaact acttgccagc aggagttaaa 180
tattccg 187

<210> 1298
<211> 187
<212> DNA
<213> Artificial Sequence

<400> 1298
cggaatattt aactcctgct ggcaagtagt tggttaataa gtcattgcta taatagactc 60
ttctgttagt tgatgagtcg ttaaacaaca ctcgcatgtt cccgtttgaa tattctatag 120
tcgcaccctt tcctgtccaa ccattaatag tggggtcttt cgagaaatca taattcaata 180
ctaaatt 187

<210> 1299
<211> 187
<212> DNA
<213> Artificial Sequence

<400> 1299
gaatgagctg acgtatacca tcaatcgttc tacatggtat agggtctctg tgattctctt 60
tctcaattaa tactttctcg gtaggtgtca attcgttttc aggtagttcg tccaagactg 120
ccccaatggg taaaggtgtc gtctcgttgt ttactaactc atatgttttc aaactaattc 180
ctcctct 187

<210> 1300
<211> 187
<212> DNA
<213> Artificial Sequence

<400> 1300
gtgcagggtc ataacaaata ccttgtacgt ctaaattgtt tgtctcaata aacgccaaat 60
cccaatttaa catatcctcc caatcacact gaccgtcagg acgggaagaa atttcacaat 120
acccctggtt ggaatattgt ctatagggtg ttctatcgtt agcctctttc tgaacaatac 180
caccacc 187

<210> 1301
<211> 187
<212> DNA
<213> Artificial Sequence

<400> 1301
aagtccacaa ccattggtga tggtgctacg gggtatagat ttgcccgctc ttcgtgtgga 60
ttgtttctga taaaaattcc cattagtgac tctctccttt atcgttgatg ttatcaacct 120
gctctaagtc ctttgatagc ttaaaacttg tagccaaaca agcgccacct aataccataa 180
aacctac 187

<210> 1302
<211> 187
<212> DNA
<213> Artificial Sequence

<400> 1302
ttggaaatgg tatagtattg agggggttg tttagacctg ttacatatga gtcatcacca 60
ttaatatagg ttacttcttc tgtttcaagt tctccgtcct cattttcaac tggttcaagt 120
ttaccggatt ttactttgaa taagttaaca gctttatcac ccgttttcac agcaaacaca 180
cggttta 187

<210> 1303
<211> 187
<212> DNA
<213> Artificial Sequence

<400> 1303

tactagcacc cgcaaagtgt ccgccaaagc gcgcgtcata ttcagcctta ccctttttcag 60
tcaccttaat gcgtgtagcc gtaatttgtt gtttaaatac ctctggttct aaattataag 120
ggttcaagtc atcaatgaaa atcaactgtt tgtcaactag taacgcacta ttaaactcac 180
cttttgt   187

<210>   1304
<211>   187
<212>   DNA
<213>   Artificial Sequence

<400>   1304
agaggaggaa ttagtttgaa aacatatgag ttagtaaaca acgagacgac acctttaccc 60
attggggcag tcttgtacga actacctgaa aacgaattga cacctacaga gaaagtatta 120
attgagacag agaaacacag agaccctata ccatgtagaa cgattgatgg tatacgtcag 180
ctcattc   187

<210>   1305
<211>   186
<212>   DNA
<213>   Artificial Sequence

<400>   1305
gtggtaaaat gagtgataat tatgtagact ttagtgacat ctacaaagcg cttggtgaac 60
taggtaaaga cttagaccgt gaggcaaata aaataatgaa cgacatagcg cctgaggttg 120
ctgaggactt tagcaaacgc gtaccatact ggtctaacag taaagcaaaa atgagcggta 180
agcgtg   186

<210>   1306
<211>   186
<212>   DNA
<213>   Artificial Sequence

<400>   1306
aaaacaaaat gagtaaagta tttgaggata attttactaa acccctacca gtggggacga 60
aggtgcgctt gattaaacct gaaccaactg aatttttttat gaatgagggt tacgagcgtg 120
acagggacta cgttggagag gtgttcagag tagctcatag cgctgaagaa attgacggac 180
aaacgc   186

<210>   1307
<211>   186
<212>   DNA
<213>   Artificial Sequence

<400>   1307
ttaagtgtcc agagcgtttg tttgattatg caaaaaccta tatgaaagag tatcataatg 60
tagagttgca ttatgatact aagtcagaag atatttttgt tataagaaat gatatgttcc 120
tatgggacta atgtctaata aggaggaaaa ataaatgatt actgtaacga ttaataaatg 180
gcgaaa   186

<210>   1308
<211>   186
<212>   DNA
<213>   Artificial Sequence

<400>   1308
ttaaacccat aaaccaactt agcgcaggtc aatatgtcat taaccaacct ctaccagttt 60
gggctagacc attgaataac gtaacactca gtcatcaagg ttctggaatg aacaggctac 120
tactagaagt gcgcaaggat ggtgcaattc tagtaagtag gtatggtact acagtagata 180
gtgcga   186

<210>   1309
<211>   186
<212>   DNA
<213>   Artificial Sequence

<400> 1309
taaataccat ttacgcgcct tgtctaggtc attgacaatt tcccaacgtt taccactaca 60
caaatcttta gcacaaatga caaaatcttg ctcaaatacc tcaatatcat aaattactaa 120
atattgtttc ccgcttggtt tattgggacg cggtggaact tcatcaacct tgcctgcaat 180
ttcagg 186

<210> 1310
<211> 186
<212> DNA
<213> Artificial Sequence

<400> 1310
gagccattat atattgagat aggtctatca cctttagaca attcctctac taatctatta 60
cacgtttctt tatattgata gccaataaca acgcgttctc ctttagtttc ttctagtatg 120
tcttttatac ggtctgtctt gctgttttta gctactttac ttacatatgg tataaaacca 180
ttagac 186

<210> 1311
<211> 186
<212> DNA
<213> Artificial Sequence

<400> 1311
gtaccaccta atgctcgtat tgctgtagtt aactcataaa tgttacctgt agttacgatt 60
gaatctacgt cacgcccaac acgtagagta atatctttct cgtcccccat atcctctaca 120
atgttcagtg ttttactttt taactgcatg ttttcaaact caaagtcaat ggtaaactta 180
gcgcct 186

<210> 1312
<211> 186
<212> DNA
<213> Artificial Sequence

<400> 1312
attgatgagc actattgctg tagtattcac gttgacgcat atactattga acaagctatt 60
aataaagggt tacagtacct tgaatatgaa gaacatttag actactcaga aattgagatt 120
tgtcacggtg agaaagtggg gtaaatgaaa tgacaccaga aaacgttgaa aaagagtacg 180
gtgtgt 186

<210> 1313
<211> 186
<212> DNA
<213> Artificial Sequence

<400> 1313
tttgctacag gtgcattgta ggtaaatggg ttttttgtaa ctggtttaat tccgttgtgt 60
gattggatat gctcaaagtt ccaagtgaac ttcttacccg tttggtcacg tgtcattgta 120
cagcggaacc aagatgattt gtacttagtt acgtctgtct tgatagattt tagtaacttg 180
ttaccg 186

<210> 1314
<211> 186
<212> DNA
<213> Artificial Sequence

<400> 1314
taatgtctaa taaggaggaa aaataaatga ttactgtaac gattaataaa tggcgaaatg 60
caaaagtgac acctgttatt gttacaggta cagtagaacc gcctgtaggt aaggaggagt 120
tactcattgg acgtgaggca ttgcttgact tagaaacaga tagcatttac attgaggcta 180
gtgatt 186

<210> 1315
<211> 186
<212> DNA
<213> Artificial Sequence

<400> 1315
gtggtaaaat gagtgataat tatgtagact ttagtgacat ctacaaagcg cttggtgacc 60
taggtaaaga cttagaccgt gaggcaaata aaataatgaa cgacatagcg cctgaggttg 120
ctgaggaatt tagcaaacgc gtaccatact ggtctaacag taaagcaaaa atgagcggta 180
agcgtg 186

<210> 1316
<211> 186
<212> DNA
<213> Artificial Sequence

<400> 1316
ggaatattta actcctgctg gcaagtagtt ggttaataag tcattgctat aatagactct 60
tctgttagtt gatgagtcgt taaacaacac tcgcatgttc ccgtttgaat attctatagt 120
cgcaccagtt cctgtccaac cattaatagt ggggtctttc gagaaatcat aattcaatac 180
taaatt 186

<210> 1317
<211> 186
<212> DNA
<213> Artificial Sequence

<400> 1317
attgtgtata aagtcaagtc accatcaatg gttaagaaac tacgcacaca tagagtatat 60
gaaacagact caggtgacat aattgaatta gataacccta gcaagctgtt taacgcactt 120
agggttgagt ctaatggttt tataccatat gtaagtaaag tagctaaaaa cagcaagaca 180
gaccgt 186

<210> 1318
<211> 186
<212> DNA
<213> Artificial Sequence

<400> 1318
cctctatcat ctgacttaat aacagcctgt gacaactgaa acgcgtcttt accttgtaaa 60
taaccacgga gcacattatt atcataacta gcagagttat aaccagtaaa tagactgtca 120
cgtacttata aataccattt acgcgccttg tctaggtcat tgacaatttc ccaacgttta 180
ccacta 186

<210> 1319
<211> 186
<212> DNA
<213> Artificial Sequence

<400> 1319
gagtctgctg agttacttgt cttcagtgct ttagtaactg tgactaatgt tattgatact 60
gtattaattg acggtgactc acctactgaa ttagcactat acgcgcttaa cgtagtacag 120
caaaatgatg ataacgagga cttattaaat gaagttgaga atataattga taaactagag 180
gaggaa 186

<210> 1320
<211> 186
<212> DNA
<213> Artificial Sequence

<400> 1320
ggaatattta actcctgctg gcaagtagtt ggttaataag tcattgctat aatagactat 60
tctgttagtt gatgagtcgt taaacaacac tcgcatgttc ccgtttgaat attctatagt 120
cgcaccagtt cctgtccaac cattaatagt ggggtctttc gagaaatcat aattcaatac 180
taaatt 186

<210> 1321
<211> 186
<212> DNA

<213> Artificial Sequence

<400> 1321
aggcgctaag tttaccattg actttgagtt tgaaaacatg cagttaaaaa gtaaaacaat 60
gaacattgta gaggatatgg gggacgagaa agatattact ctacgtgttg ggcgtgacgt 120
agattcactc gtaactacag gtaacattta tgagttaact acagcaatac gagcattagg 180
tggtac   186

<210> 1322
<211> 186
<212> DNA
<213> Artificial Sequence

<400> 1322
ttctgttagt tgatgagtcg ttaaacaaca ctcgcatgtt cccgtttgaa tattctatcg 60
tcgcaccatt tccagtccaa ccattaatag tggggtcttt cgagaaatca taattcaata 120
ctaaattatc atttgggtat tggagtgtga acctctcttt tccatcacta ctccatgcgt 180
aagctg   186

<210> 1323
<211> 186
<212> DNA
<213> Artificial Sequence

<400> 1323
atccttatcc tgaactactc caactattac cgtatcacat tcatggaatg tcttagcatg 60
ttctaaagct tcttcatagc ttggaaaatc atggtctcat atatcaataa tgtctccgcc 120
aacaacggac acaccgtact ctttttgaac gttttctggt gtcatttcat ttaccccact 180
ttctca   186

<210> 1324
<211> 186
<212> DNA
<213> Artificial Sequence

<400> 1324
gagtagtgat ggaaaagaga ggttcacact ccaataccca aatgataatt tagtattgta 60
ttatgatttc tcgaaagacc ccactattaa tggttggaca ggaaatggtg cgactataga 120
atattcaaac gggaacatgc gagtgttgtt taacgactca tcaactaaca gaagagtcta 180
ttatag   186

<210> 1325
<211> 186
<212> DNA
<213> Artificial Sequence

<400> 1325
gtaccaccta atgctcgtat tgctgtagtt aactcataaa tgttacctgt agttacgagt 60
gaatctacgt cacgcccaac acgtagagta atatctttct cgtcccccat atcctctaca 120
atgttcagtg ttttacttttt taactgcatg ttttcaaact caaagtcaat ggtaaactta 180
gcgcct   186

<210> 1326
<211> 186
<212> DNA
<213> Artificial Sequence

<400> 1326
gtggtaaaat gagtgataat tatgtagact ttagtgacat ctacaaagcg cttggtgacc 60
taggtaaaga cttagaccgt gaggcaaata aaataatgaa cgacatagcg cctgaggttg 120
ctgaggactt tagcaaacgc gtaccatact ggtctaacag taaagcaaaa atgagcggta 180
agcgtg   186

<210> 1327
<211> 186

<212> DNA
<213> Artificial Sequence

<400> 1327
gagtagtgat ggaaaagaga ggttcacact ccaataccca aatgataatt tagtattgta 60
ttatgatttc tcgaaagacc ccactattaa tggttggaca ggaaatggtg cgactataga 120
atattcacac gggaacatgc gagtgttgtt taacgactca tcaactaaca gaatagtcta 180
ttatag   186

<210> 1328
<211> 186
<212> DNA
<213> Artificial Sequence

<400> 1328
tccgcgtcat gtaattctaa tacctctgct aattttgtca tattattttt cctcctcata 60
gtctaatacc tcaatttggt tatcatatac ccaccatagg tgaccatcaa tacttagttc 120
aagttggagc gtttgtccgt caatttcttc agcgctatga gctactctga acacctctcc 180
aacgta   186

<210> 1329
<211> 185
<212> DNA
<213> Artificial Sequence

<400> 1329
aaagagggtt agatttaaac cagttttcct cgtcatccgc ctcgtcaaaa ctatccagtt 60
cccaccatag agctaagtag tgttcagcct ctacctcacc tgttaatact ttcatagtca 120
ttggatattc ctccatatga tagtgtccgt ttaggttttg tgaggttgta ctaatcatta 180
agtta   185

<210> 1330
<211> 185
<212> DNA
<213> Artificial Sequence

<400> 1330
aatcatgtaa tgttagttcc attctattca tcctcctcaa ataagtcata tgttttattc 60
tctggtaatt ttggcaattt atacgtgcta atgtgtcccg tgtctatcaa gtgaaaaata 120
gtttctaact cctgtagttc atcctttagt atgagaccta tgacgccttg ttctctcacg 180
cgttg   185

<210> 1331
<211> 185
<212> DNA
<213> Artificial Sequence

<400> 1331
tccctctgtt tttccatctg tacataaata taattgtggg aaaccccacg cgctccagtc 60
actaaaacca attacacgca caaccgtacc atctttaaag ttacaatcac tatcccacgg 120
tgtcacaatg cactctaaac ccttttttat catagcacca acctcacaac ttctataacg 180
cgttc   185

<210> 1332
<211> 185
<212> DNA
<213> Artificial Sequence

<400> 1332
ctgtggataa gatgagggta gtattattta aaattgtctg tgcaatataa tcaatatcac 60
caacgacaaa gcgcgaacct ctgttcgtgt actcaatgtc tataggtagg tccaccttat 120
cgcgacacta ggttaatgga taaatgtctt ttacttctgg tgtcatttct gtgtgtattg 180
tagga   185

<210> 1333

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

<400> 1333
aaagagggtt agatttaaac cagttttcct cgtcatccgc ctcgtcaaaa ctatccattt 60
cccaccatag agctaagtag tgttcagcct ctacctcacc tgttaatact ttcatagtca 120
ttggatagtc ctccatatga tagtgtccgt ttaggttttg tgaggttgta ctaatcatta 180
agtta   185

<210> 1334
<211> 185
<212> DNA
<213> Artificial Sequence

<400> 1334
gaacgcgtta tagaagttgt gaggttggtg ctatgataaa aaagggttta gagtgcagtg 60
tgacaccgtg ggatagtgat tgtaacttta aagatggtac ggttgtgcgt gtaattggtt 120
ttagtgaatg gagcgcgtgg ggtttcccac aattatattt atgtacagat ggaaaaacag 180
aggga   185

<210> 1335
<211> 185
<212> DNA
<213> Artificial Sequence

<400> 1335
ttgatagttc caaactcaat aaagtgcgcg cgccacgcaa cctcatcatc aaagccactt 60
tctacatatc catctttggc tttgctatag ataacatggt ctctcatatg ctcacccata 120
tatgaaccac gcttaccgct cattttgct ttactgttag accagtatgg tacgcgtttg 180
ctaaa   185

<210> 1336
<211> 185
<212> DNA
<213> Artificial Sequence

<400> 1336
ttagttgccc ctgcggttat accctcaaat ttatacgttg aaggtgtgtc accatgtatt 60
attgtttgcc atgtactgag agcgacaaaa ttacctaccc taattaaccc attatagatg 120
ctgaatgcgt ctattgtgac ggaatattta actcctgctg gcaagtagtt ggttaataag 180
tcatt   185

<210> 1337
<211> 185
<212> DNA
<213> Artificial Sequence

<400> 1337
tggctttgat gatgaggttg cgtggcgcgc gcactttatt gagtttggaa ctatcaatca 60
accacctcaa cacgtgatag aaaagtcttt agacgcattg tctaaagatg tacagaaacg 120
tgtagaggat gaatttagga ggcgttatat gtgaaactaa ctacaacact aattgcggat 180
aaact   185

<210> 1338
<211> 185
<212> DNA
<213> Artificial Sequence

<400> 1338
tgttatttaa ttattatcat caaaatgtac cccaacaagg tgtccccatc aagttacccc 60
ttgcgctgac gtaaaaagta tgctaacata ataaacgaag aacgaaagga gaaaacaggc 120
atgatgagtc ctacaataca cacagaaatg acaccagaag taaaagacat ttatccatta 180
accta   185

<210> 1339
<211> 185
<212> DNA
<213> Artificial Sequence

<400> 1339
tgtcctcatt ttcctcaagt gctctaatct caatgctacg cgtctccgtt ttcatcatta 60
gtagcctcct tattttgatt gtttgtttct cgtgaaacat taatacgtga gcctgtcatt 120
ctagaaaact gactctcgtc tgtttcagga taaccatagt aggcgcgtac ctcgttaggt 180
ttaag   185

<210> 1340
<211> 185
<212> DNA
<213> Artificial Sequence

<400> 1340
gaatatttaa ctcctgctgg caagtagttg gttaataagt cattgctata atagactctt 60
ctgttagttg atgagtcgtt aaacaacact cgcatgttcc cgtttgaata ttctatagtc 120
gcaccatgtc ctgtccaacc attaatagtg gggtctttcg agaaatcata attcaatact 180
aaatt   185

<210> 1341
<211> 185
<212> DNA
<213> Artificial Sequence

<400> 1341
ataaagaagt tataattgga ggaggttcac catggaacga attatatatt tacctatgat 60
tatgtatata ctagcgtgtg tttttatggc tattggtgcc tttttggtag atataaccgt 120
aggttttttg gtattaggtg gcgcttgttt ggctacaagt tttaagctat caaaggaatt 180
agagc   185

<210> 1342
<211> 185
<212> DNA
<213> Artificial Sequence

<400> 1342
aagtaccaaa gtccacaacc attggtgatg gtgctacggg gtatagattt gcccgctctt 60
cgtgtggctt gtttctgata aaaattccca ttagtgactc tctcctttat cgttgatgtt 120
atcaaccagc tctaattcct ttgatagctt aaaacttgta gccaaacaag cgccacctaa 180
tacca   185

<210> 1343
<211> 185
<212> DNA
<213> Artificial Sequence

<400> 1343
ttaaaatctc cctctcttat ttcatatagt gttattatac catttatgtg taaaacggtg 60
ttatactagc tcatacgcaa catcaaggtt acctaaatca tttttagcaa tcttaacaat 120
aacaaactca tcctcaactt catcctgttc cccatccacg cgaatagtca ctttcttttc 180
tattt   185

<210> 1344
<211> 185
<212> DNA
<213> Artificial Sequence

<400> 1344
gaatatttaa ctcctgctgg caagtagttg gttaataagt cattgctata atagactatt 60
ctgttagttg atgagtcgtt aaacaacact cgcatgttcc cgtttgaata ttctatagtc 120
gcaccatgtc ctgtccaacc attaatagtg gggtctttcg agaaatcata attcaatact 180
aaatt   185

<210>   1345
<211>   185
<212>   DNA
<213>   Artificial Sequence

<400>   1345
tccctctgtt tttccatctg tacataaata taattgtggg aaaccccacg cgctccagtc 60
actaaaacca attacacgca caaccgtacc atctttaaag ttacaatcac tatcccacgg 120
tgtcacactg cactctaaac ccttttttat catagcacca acctcacaac ttctataacg 180
cgttc   185

<210>   1346
<211>   185
<212>   DNA
<213>   Artificial Sequence

<400>   1346
taacttaatg attagtacaa cctcacaaaa cctaaacgga cactatcata tggaggacta 60
tccaatgact atgaaagtat taacaggtga ggtagaggct gaacactact tagctctatg 120
gtgggaactg gatagttttg acgaggcgga tgacgaggaa aactggttta aatctaaccc 180
tcttt   185

<210>   1347
<211>   184
<212>   DNA
<213>   Artificial Sequence

<400>   1347
tgtgcgataa gttcacgggc ttctagtaat cgtttatcca tgtttcacac tccttagtat 60
gtttcttaaa taattataac acgcgtttat taaccgcggg tgagttagct gtatcacatt 120
aattctaaaa tgtcaagttc taattctaat tttctttttt gttctttaaa cgctttttgt 180
gacc   184

<210>   1348
<211>   184
<212>   DNA
<213>   Artificial Sequence

<400>   1348
tgcttgggtt agttgcgtag tcccaaacgt caccaacaac actgctaacc ttatcacacg 60
cacttttagc catgtttttg gcaccgttcc agatgttttt tacgcctcct gtaattttgt 120
caaagaagcc agtacctttt ttgtatgcaa acttaggacg tttatgacct aacacttgtg 180
cagt   184

<210>   1349
<211>   184
<212>   DNA
<213>   Artificial Sequence

<400>   1349
tgataaggtt agcagtgttg ttggtgacgt ttgggactac gcaactaacc caagcacatt 60
agttgaaaaa gtattctcta gcgtagtaga cacctcaggt ctcataaaat atcctctaga 120
cgttgcccgt ggaatgatta agaaagctac tagcgctctt acgtcacgtg ttactgaggc 180
gttt   184

<210>   1350
<211>   184
<212>   DNA
<213>   Artificial Sequence

<400>   1350
tgttagtttg tcaagtgtat tacctagttc agcggttccg tcaataccta aaccaatctt 60
catatttcct actggttttc cgctttgcac catgtgttaa tcagctcctt ttttctctag 120
cttttcaagt tcctcaggac ttaagaaacg cttaataaag tcagcgccat ccatcacctt 180

ttct 184

<210> 1351
<211> 184
<212> DNA
<213> Artificial Sequence

<400> 1351
ccagatgtgc ccacgcggtc acgtacttta ttcagagcaa taacgtagcc aacttgtgat 60
ttaaagttat caaaagcata gttacccgct tgacggtatt tacttgaccc gttcatgctt 120
gcaggaactg ctacgtcaat agcgtttctt gaaccgtgac tatatgggtc tcctggtcta 180
tatc 184

<210> 1352
<211> 184
<212> DNA
<213> Artificial Sequence

<400> 1352
tccatttgtg ccttcttgtc taatctaatc tgtgtattga ctgtactact ccctattttc 60
tcactagtat aaaacactaa cgtatcatct aaatcatata cgtcaatcat atcctcgtta 120
tactcaatat catgtaatgt tagttccatt ctattcatcc tcctcaaata agtcatatgt 180
ttta 184

<210> 1353
<211> 184
<212> DNA
<213> Artificial Sequence

<400> 1353
ctaaagttgt caaaggcaag gatgacatta ctgataattt tacttcgttt gtatggagta 60
gatatgacgc ctcaaacgta ttagacacat catggacagc aacaggaaat acaatcacag 120
taaatgcagg acaatcaaat gtatatacat agtcttgttc tgtagattat ttgaggaggt 180
aaaa 184

<210> 1354
<211> 184
<212> DNA
<213> Artificial Sequence

<400> 1354
tgttagtttg tcaagtgtat tacctagttc agcggttccg tcaataccta aaccaaactt 60
catatttcct actggttttc cgctttgcac catgtgttaa tcagctcctt ttttctctag 120
cttttcatgt tcctcaggac ttaagaaacg cttaataaag tcagcgccat ccatcacctt 180
ttct 184

<210> 1355
<211> 184
<212> DNA
<213> Artificial Sequence

<400> 1355
gatatagacc aggagaccca tatagtcacg gttcaagaaa cgctattgac gtagcatttc 60
ctgcaagcat gaacgggtca agtaaatacc gtcaagcggg taactatgct tttgataact 120
ttaaatccca agttggctac gttattgctc tgaataaagt acgtgaccgc gtgggcacat 180
ctgg 184

<210> 1356
<211> 184
<212> DNA
<213> Artificial Sequence

<400> 1356
tagtcacagt tactaaagca ctgaagacaa gtaactcagc agactcaata cccgttgtct 60
catttaactc acgcgccttt tcaaccacta aatcacctaa ttttgtagta tctaaattca 120

tgtctatttt cctcccttat ttggttgaaa caaccattta gaaaacatta gtgacaaccc 180
tata 184

<210> 1357
<211> 184
<212> DNA
<213> Artificial Sequence

<400> 1357
gacttgtaac tagtcttgga acctgcacga atgtgtagga cttccttaga tttcattgtc 60
catgttacct tatccactac ctcccttgtg gctactgagt ctttatactt gagtagccat 120
ctagatgatt taacaacgga agctttgttt gctacaggtg cattgtaggt aaatgggttt 180
tttg 184

<210> 1358
<211> 184
<212> DNA
<213> Artificial Sequence

<400> 1358
caaaaaaccc atttacctac aatgcacctg tagcaaacaa agcttccgtt gttaaaacat 60
ctagatggct actcaagtat aaagactcag tagccacaag ggaggtagtg gataaggtaa 120
catggaccat gaaatctaag gaagtcctac acattcgtgc aggttccaag actagttaca 180
agtc 184

<210> 1359
<211> 184
<212> DNA
<213> Artificial Sequence

<400> 1359
agaatattca aacgggaaca tgcgagtgtt gtttaacgac tcatcaacta acagaatagt 60
ctattatagc aatgacttat taaccaacta cttgccagca ggagttaaat attccgtcac 120
aatagactca ttcagcaaca ataatgggtt aattagggta ggtaattttg acgctctcag 180
taca 184

<210> 1360
<211> 184
<212> DNA
<213> Artificial Sequence

<400> 1360
ccatacaaac gaagtaaaat tatcagtaat gtcatccttg cctctgacaa ctttagatga 60
tatactgatt gtaccctcac catttacaaa aaactgttta gacggtgtaa taattacctc 120
agacggaatt ctgttgtcaa actgttttga aaaatctgac gctatctgta gcaactgagg 180
gtca 184

<210> 1361
<211> 184
<212> DNA
<213> Artificial Sequence

<400> 1361
tgtactgaga gcgtcaaaat tacctaccct aattaaccca ttattgttgc tgaatgagtc 60
tattgtgacg gaatatttaa ctcctgctgg caagtagttg gttaataagt cattgctata 120
atagactctt ctgttagttg atgagtcgtt aaacaacact cgcatgttcc cgtttgaata 180
ttct 184

<210> 1362
<211> 184
<212> DNA
<213> Artificial Sequence

<400> 1362
gacttgtaac tagtcttgga acctgcacga atgtgtagga cttccttaga tttcatggtc 60

catgttacct tatccactac ctcccttgtg gctactgagt ctttatactt gagtagccat 120
ctagatgatt taacaacgga agctttgttt gctacaggtg cattgtaggt aaatgggttt 180
tttg 184

<210> 1363
<211> 184
<212> DNA
<213> Artificial Sequence

<400> 1363
gatatagacc aggagaccca tatagtcacg gttcaagaaa cgctattgac gtagcagttc 60
ctgcaagcat gaacgggtca agtaaatacc gtcaagcggg taactatgct tttgataact 120
ttaaatccca agttggctac gttattgctc tgaataaagt acgtgaccgc gtgggcacat 180
ctgg 184

<210> 1364
<211> 184
<212> DNA
<213> Artificial Sequence

<400> 1364
tgttagtttg tcaagtgtat tacctagttc agcggttccg tcaataccta aaccaatctt 60
catatttcct actggttttc cgctttgcac catgtgttaa tcagctcctt ttttctctag 120
cttttcatgt tcctcaggac ttaagaaacg cttaataaag tcagcgccat ccatcacctt 180
ttct 184

<210> 1365
<211> 183
<212> DNA
<213> Artificial Sequence

<400> 1365
gttttccgct ttgcaccatg tgttaatcag ctccttttttt ctctagcttt tcaaggtcct 60
caggacttaa gaaacgctta ataaagtcag cgccatccat cacctttttct tgtttagact 120
ctttaccaaa caattgtaat aaaagaaagt agtcagcgtt ctctatctct gagagttgcc 180
agc 183

<210> 1366
<211> 183
<212> DNA
<213> Artificial Sequence

<400> 1366
tcaataccta tggacacgta ttatctggac atttacagat aatagtaacc aaacacccta 60
ctcagtggcg cgctttggtc aggatggtat tagtgtgact ggtactcaat cagagtatgt 120
acaaacaact agttctgtag aacctacctc aggatggagt acaacacgtc caacacctca 180
aat 183

<210> 1367
<211> 183
<212> DNA
<213> Artificial Sequence

<400> 1367
gatagatttt agtaacttgt taccgtacca gtattcaaca atcacttcat tgcctgttgc 60
gtcagagtca cggatggcta tagacattaa tatgtcatta gcgtctgtca aaataaccaa 120
ctcataacgt ccgttctttt ctgacgtagt accgaagtct atccgttcct caaatttaaa 180
ggc 183

<210> 1368
<211> 183
<212> DNA
<213> Artificial Sequence

<400> 1368

tttgtaactg gtttaattcc gttgtttgat tggatatgct caaagttcca agtgaacttc 60
ttacccgttt ggtcacgtgt cattgtacag cggaaccaag atgatttgta cttagttacg 120
tctgtctgga tagattttag taacttgtta ccgtaccagt attcaacaat cacttcattg 180
cct   183

<210>   1369
<211>   183
<212>   DNA
<213>   Artificial Sequence

<400>   1369
tcaataccta tggacacgta ttatctggac atttacagat aatagtaacc aaacaaccta 60
ctcagtggcg cgctttggtc aggatggtat tagtgtgact ggtactcaat cagagtatgt 120
acaaacacct agttctgtag aacctacctc aggatggagt acaacacgtc caacacctca 180
aat   183

<210>   1370
<211>   183
<212>   DNA
<213>   Artificial Sequence

<400>   1370
gctggcaact ctcagagata gagaacgctg actactttct tttattacaa ttgttgggta 60
aagagtctaa acaagaaaag gtgatggatg gcgctgactt tattaagcgt ttcttaagtc 120
ctgaggaact tgaaaagcta gagaaaaaag gagctgatta acacatggtg caaagcggaa 180
aac   183

<210>   1371
<211>   183
<212>   DNA
<213>   Artificial Sequence

<400>   1371
tttattattt tgacgagtta agttcgtcaa ttgtgtcatt gtatgcagta gctagtttat 60
tcatgaggtc accaattttt ccaattattt ggtctggttc attacccccc aaaaggttac 120
ccatatctac cgcatcgcag acgtcaatca tctgtgtaat agcactcttt acaattcctg 180
act   183

<210>   1372
<211>   183
<212>   DNA
<213>   Artificial Sequence

<400>   1372
atgggttaat tagggtaggt aattttgacg ctctcagtac atggcaaaca ataaatcaag 60
gtgacacacc ttcaacgtat aaatttgagg gtataaccgc aggggcaact aatgctttta 120
gtatacaggg taattcaaat gctttaatta taactataac aaaaataaaa atcgaactag 180
gaa   183

<210>   1373
<211>   183
<212>   DNA
<213>   Artificial Sequence

<400>   1373
atttgaggtg ttggacgtgt tgtactccat cctgaggtag gttctacaga actaggtgtt 60
tgtacatact ctgattgagt accagtcaca ctaataccat cctgaccaaa gcgcgccact 120
gagtagggtg tttggttact attatctgta aatgtccaga taatacgtgt ccataggtat 180
tga   183

<210>   1374
<211>   183
<212>   DNA
<213>   Artificial Sequence

<400> 1374
gttttccgct ttgcaccatg tgttaatcag ctccttttt ctctagcttt tcaaggtcct 60
caggacttaa gaaacgctta ataaagtcag cgccatccat cacctttct tgtttagact 120
ctttacccaa caattgtaat aaaagaaagt agtcagcgtt ctctatctct gagagttgcc 180
agc 183

<210> 1375
<211> 182
<212> DNA
<213> Artificial Sequence

<400> 1375
atcaccgcac aattgaccaa attggtagat tggtagagat ttcactagtt tcaagtcccg 60
catatgatga tacaactgta gcagtggcac aacggtcaca aaaagcgttt aaagaacaaa 120
aaagaaaatt agaattagaa cttgacattt tagaattaat gtgatacagc taactcaccc 180
gc 182

<210> 1376
<211> 182
<212> DNA
<213> Artificial Sequence

<400> 1376
tcaaaaccat gcacccacat ttagccaatg tgaatgtaac tcagtcaaaa ataactgagt 60
cccttacctc attctttgaa cgatttgaca gtgactacag gcaactcaaa gcgtggtacc 120
ctatacgcaa ccaacgaacc tctattctag ctgtatatgc aaacaacggt ttagacctaa 180
tg 182

<210> 1377
<211> 182
<212> DNA
<213> Artificial Sequence

<400> 1377
ggcaagacac tcatggcatt agaatcgttt aaaaaatcag ggctaaagaa actcgtagta 60
gtgtgccttg cgtctaaggt gtctgagtgg gcttctgagg ggtctaaaca aggtttaggt 120
ataattaccc taagtgggtc tccaaagctc agaggagagc ttctagaggc gtcaggaacg 180
ca 182

<210> 1378
<211> 182
<212> DNA
<213> Artificial Sequence

<400> 1378
agtaggtaac acgcacaatt aattctgttg ttgctagact accagtccac ccctgagaga 60
tgaatacact ccctgataca gtgtacgttg taccgcgcaa agcactgtag ccatttgata 120
ggtatgcagg acgtattgtt gacactgctg ttttagttaa tttagtggct cctgctgttg 180
gt 182

<210> 1379
<211> 182
<212> DNA
<213> Artificial Sequence

<400> 1379
agtatttgga aacgtgaaaa aggtagatga ttatatgaca cctgttatta atgacagcaa 60
tgagacccgt accattacca tctgcatggt caacggacgc tcttacacat ataagggttc 120
cccagagttt gttattgaac gtatgcaaac aggagaggtt tttcagatta tgctactaag 180
ct 182

<210> 1380
<211> 182
<212> DNA
<213> Artificial Sequence

<400>   1380
cgttgttagg aatagctcct aatttgaaca ttaagcccgc ctttgtgtct gtagctacta 60
cgtcaaaacg gatggcaccc gctaacattt caccgtagac attgtggtct tgccaacgta 120
ccgtcatgtc agtacgtttg aacaaagtaa tagcttgttc taagtcacca atgaataata 180
gt   182

<210>   1381
<211>   182
<212>   DNA
<213>   Artificial Sequence

<400>   1381
atgtgtaaaa cgttgttata ctagctcata cgcaacatca aggttaccta aatcattttt 60
agcaatctta acaataacaa actcatcctc aacttcatcc tgttccccat ccacgcgtat 120
agtcactgtc ttttctattt cttgctcctg taaacgcatt ccctcagcgc gtactttctc 180
at   182

<210>   1382
<211>   182
<212>   DNA
<213>   Artificial Sequence

<400>   1382
gggggataat tatgttagag caatttaaaa cggagtatat taacaaggta ttaatcggta 60
atgggtttga tgatgagtta aatatgctgt ttaacagagt tctagaggag gagttccatg 120
gcaacgcgtt agccatggac gacctcattt atgaactaaa cggatatagc actcaagata 180
ac   182

<210>   1383
<211>   182
<212>   DNA
<213>   Artificial Sequence

<400>   1383
ttataccctc aaatttatac gttgaaggtg tgtcaccttg ttttattgtt tgccatgtac 60
tgagagcgtc aaaattacct accctaatta acccattatt gttgctgaat gcgtctattg 120
tgacggacta tttaactcct gctggcaagt agttggttaa taagtcattg ctataataga 180
ct   182

<210>   1384
<211>   182
<212>   DNA
<213>   Artificial Sequence

<400>   1384
atagggttgt cactaatgtt ttctaaatgg ttgtttcaac caaataaggg aggacaatag 60
acatgaattt agatactaca aaattaggtg atttagtggt tgaaaaggcg cgtgagttaa 120
atgagaaaac gggtattgag tctgctgagt tacttgtctt cagtgcttta gtaactgtga 180
ct   182

<210>   1385
<211>   182
<212>   DNA
<213>   Artificial Sequence

<400>   1385
attctttgaa cgatttgaca gtgactacag gcaactcaaa gcgtggtacc ctatacgcaa 60
ccaacgaacc tctattcaag ctgtatatgc aaacaacggt ttagacctac tggaggcagt 120
acagcaagag gcgaaagtac gcgctgaggg aatgcgttta caggagcaag aaatagaaaa 180
ga   182

<210>   1386
<211>   182
<212>   DNA

<213> Artificial Sequence

<400> 1386
tataacaaac agcacttcta tcttattgat tgctttattt tgggtagtta tactagcaga 60
ataccgcacc cagttgtctg tacttgtgtt tgtgattgag acttttccat cttcgcgcgt 120
actatcagag taggtaacac gcacaattaa ttctgttgtt gctagactac cagtccaccc 180
ct   182

<210> 1387
<211> 182
<212> DNA
<213> Artificial Sequence

<400> 1387
ttaaacaaac actaaattag gggaggaatt taaatgaaca catatacagt ttatgaccgt 60
aacattgatg agcactattg ctgtagtatt cacgttgacg catatactat tgaacaagct 120
attaataaag ggttacagta ccttgaatat gaagaacatt tagactactc agaaattgag 180
at   182

<210> 1388
<211> 182
<212> DNA
<213> Artificial Sequence

<400> 1388
ttctgttagt tgatgagtcg ttaaacaaca ctcgcatgtt cccgtttgaa tattatatag 60
tcgcaccatt tcctgtccaa ccattaatag tggggtcttt cgagaaatca taattcaata 120
ctaaattatc atttgggtat tggagtgtga acctctcttt tccatcacta ctccatgcgt 180
aa   182

<210> 1389
<211> 182
<212> DNA
<213> Artificial Sequence

<400> 1389
tcagtacgtt tgaacaaagt aatagcttgt tctaagtcac caatgaataa tagtgtatca 60
tttgtgtcgt ttttaaagat agcgtcagga agtacaatta cctctttacc aaacaatgtt 120
ttaccacttg ccattgctac gtttggttga ataatgtatc gtccgtctgc gtctttcaac 180
gt   182

<210> 1390
<211> 182
<212> DNA
<213> Artificial Sequence

<400> 1390
atctcaattt ctgagtagtc taaatgttct tcatattcaa ggtactgtaa ccctgtatta 60
atagcttgtt caatagtata tgcgtcaacg tgaatactac agcaatagtg ctcatcaatg 120
ttacggtaat aaactgtata tgtgttcatt taaattcctc ccctaattta gtgtttgttt 180
aa   182

<210> 1391
<211> 182
<212> DNA
<213> Artificial Sequence

<400> 1391
gcgggtgagt tagctgtatc acattaattc taaaatgtca agttctaatt ctaagtttct 60
tttttgttct ttaaacgctt tttgtgaccg ttgtgccact gctacagttg tatcatcata 120
tgcgggaatt gaaactagtg aaatctctac caatctacca atttggtcaa ttgtgcggtg 180
at   182

<210> 1392
<211> 182

<212> DNA
<213> Artificial Sequence

<400> 1392
agcttagtag cataatctga aaaacctctc ctgtttgcat acgttcaata acaatctctg 60
gggaaccctt atatgtgtaa gagcgtccgt tgaccatgca gatggtaatg gtacgggtct 120
cattgctttc attaataaca ggtgtcatat aatcatctac ctttttcacg tttccaaata 180
ct   182

<210> 1393
<211> 182
<212> DNA
<213> Artificial Sequence

<400> 1393
cgctttggat gttcaaataa aggcgtatag agacgctcag aggtgttcta aatgggatga 60
ggtacaagtt acctttgaac gatttagaga gggctatgag gctcctacgt ggcttacgtt 120
tgatatgatc aaaaccatgc acccacattt agccaatgtg aatgtaactc agtcaaaaat 180
aa   182

<210> 1394
<211> 182
<212> DNA
<213> Artificial Sequence

<400> 1394
ttttgatgtt ctttctcgta acgtacctga ggagaataag ctcctagtga aagaactctt 60
agataaacgt ctagaggcta aatatacaga tgaaacagag attacaatga tcgaagtaac 120
gttaccactg tatgtgttcg taactggggt aaaattgcct attaatacat tgtttggtgc 180
ca   182

<210> 1395
<211> 182
<212> DNA
<213> Artificial Sequence

<400> 1395
ttttgatgtt ctttctcgta acgtacctga ggagaataag cacctagtga aagacctctt 60
agataaacgt ctagaggcta aatatacaga tgaaacagag attacaatga acgaagtaac 120
gttaccaatg tatgtgttag taaatggggt aaaattgcct attaatacat tgtttggtgc 180
ca   182

<210> 1396
<211> 182
<212> DNA
<213> Artificial Sequence

<400> 1396
atctcaattt ctgagtagtc taaatgttct tcatattcaa ggtactgtaa ccctgtatta 60
atagcttgtt caatagtata tgcgtcaacg tgaatactac agcaatagtg ctcatcaatg 120
ttacggtcat aaactgtata tgtgttcatt taaattcctc ccctaattta gtgtttgttt 180
aa   182

<210> 1397
<211> 182
<212> DNA
<213> Artificial Sequence

<400> 1397
gcgggtgagt tagctgtatc acattaattc taaaatgtca agttctaatt ctaagtttct 60
tttttgttct ttaaacgctt tttgtgaccg ttgtgccact gctacagttg tatcatcata 120
tgcgggactt gaaactagtg aaatctctac caatctacca atttggtcaa ttgtgcggtg 180
at   182

<210> 1398

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

<400> 1398
tagggttgtc actaatgttt tctaaatggt tgtttcaacc aaataaggga ggaacataga 60
catgaattta gatactacaa aattaggtga tttagtggtt gaaaaggcgc gtgagttaaa 120
tgagacaacg ggtattgagt ctgctgagtt acttgtcttc agtgctttag taactgtgac 180
ta   182

<210> 1399
<211> 182
<212> DNA
<213> Artificial Sequence

<400> 1399
ttttgatgtt ctttctcgta acgtacctga ggagaataag cacctagtga aagacctctt 60
agataaacgt ctagaggcta aatatacaga tgaaacagag attacaatga acgaagtaac 120
gttaccactg tatgtgttag taaatggggt aaaattgcct attaatacat tgtttggtgc 180
ca   182

<210> 1400
<211> 182
<212> DNA
<213> Artificial Sequence

<400> 1400
atagggttgt aactaatgta ttctaaatgg ttgtttcaac caaataaggg aggaaaatag 60
acatgaattt agatactaca aaattaggtg atttagtggt tgaaaaggcg cgtgagttaa 120
atgagaacac gggtattgag tctgctgagt tacttgtctt cagtgcttta gtaactgtga 180
ct   182

<210> 1401
<211> 182
<212> DNA
<213> Artificial Sequence

<400> 1401
agtatttgga aacgtgaaaa aggtagatga ttatatgaca cctgttatta atgacagcaa 60
tgagacccgt accattacca tctgcatggt caacggacgc tcttacacat ataagggttc 120
cccagagatt gttattgaac gtatgcaaac aggagaggtt tttcagatta tgctactaag 180
ct   182

<210> 1402
<211> 181
<212> DNA
<213> Artificial Sequence

<400> 1402
taaaaaacaa acatttacag cggagaaagt aactgtacga acaatgcgcg agattttagc 60
atactacagt aaaatggaaa aggttgaaaa aggtgagtta caaatgaatg agattgagga 120
tttagatgat atgctaaact tagttctctc cattttctca aacacaaaac ttacttatga 180
t   181

<210> 1403
<211> 181
<212> DNA
<213> Artificial Sequence

<400> 1403
caagtacaga caactgggtg cggtattctg ctagtataac tacccaaaat aaagcaatca 60
ataagataga agtgctgttt gttatagacc cttcgtttgt aggtacgttt tacgtaaaaa 120
actttaatct agaacaaaat gaccatgcta ccccgttcat ccaacacatt acagaacgtg 180
g   181

<210>   1404
<211>   181
<212>   DNA
<213>   Artificial Sequence

<400>   1404
catttagcaa ttttgtactt agttgtttta gttgctttac tgattagagt attggtttat 60
atacttatgc gtttgttcta aggagtgata caatgaaata caaacaattt gaggggtttc 120
ctctcaatgc gcgtactaaa attcccgcga taaaagagtg gaaagctcat gagagttaca 180
a   181

<210>   1405
<211>   181
<212>   DNA
<213>   Artificial Sequence

<400>   1405
attttgttta ggtcctcgtt aaatcgctct gtaacctcat ctttttttagt ccagtctttt 60
gtcttactat tgtagtcctc tttgtacaat gttaatgtgt acagtttaga atagtcctca 120
ggacacacac taatcactaa acttttgtcc tcgtcctcaa ctgctacaac tgttaatttt 180
t   181

<210>   1406
<211>   181
<212>   DNA
<213>   Artificial Sequence

<400>   1406
acccattata aacacttcct tttctaatta tattctaata ataccacaga atggagcact 60
tgtaaacaac tttttacatc ccttttttata aaataatatg gtataatatg tgtatactta 120
ttatacagtg ttttttctccc taaaaagcac tacacgctga ttcctcccaa cgtgtagtgc 180
t   181

<210>   1407
<211>   181
<212>   DNA
<213>   Artificial Sequence

<400>   1407
ttacctgaaa acattcatgt aactatacca gagattagag aaatgttttt agaccatgag 60
tttgacctaa ataaaaaagg taagcccgta gctaaaggaa cgtatactga ccctaatact 120
ggttatggta tggagtttgg cgcgggaggt gtccacggag ctgttgaaca gcttattcac 180
a   181

<210>   1408
<211>   181
<212>   DNA
<213>   Artificial Sequence

<400>   1408
agagacatga ggggtaaaga ggagaggtca ccatgaatat tttactagaa gaaactgtgg 60
catttaattt gggactgaga gacgccatct ttattagggt gtcagaactt acaaatattg 120
taagggacca cttcacaact tacgtatata gtggcatgct tgttgtctcc aagttagagc 180
a   181

<210>   1409
<211>   181
<212>   DNA
<213>   Artificial Sequence

<400>   1409
tcccttggtc tagcgtctta ggtagtcccg cttcatcaca taatagacga attaattcta 60
ctagtagctt atagtctttc ataaactctt ctttggtatt gtgcgattca atcaattcaa 120
ttgccgcata tccccacgag ttccatccgc cacctacgtc ataaaagccc gcgtttgtgc 180
g   181

<210>   1410
<211>   181
<212>   DNA
<213>   Artificial Sequence

<400>   1410
agtttcaagg tgcattaggt ctttcacaag agggcgcaga aaactacact caaatggcta 60
acgaactagt tgctgagggt ttgggtagcc ttgaggacat ggttgacgct atgagtaggg 120
ttgagcaaaa cagccctatc cctgtattcg gtgaggacct acagaacctt acacgttacg 180
c   181

<210>   1411
<211>   181
<212>   DNA
<213>   Artificial Sequence

<400>   1411
tgtttttctc cctaaaaagc actacacgct gattcctccc aacgtgtagt gctgtttatt 60
attttgacga gttaagttcg tcaattgtgt cattgtatgc agtagctagg ttattcatga 120
ggtcaccaat ttttccaatt atttggtctg gttcattacc ccctaaaagg ttacccatat 180
c   181

<210>   1412
<211>   181
<212>   DNA
<213>   Artificial Sequence

<400>   1412
cacttcacaa cttacgtata tagtggcatg cttgttgtct ccaagttaga gcacttggat 60
gagttttcta aattgtcaag aaaacacgga gaagattatg cacttggaat tgtgctaggc 120
tatccgccag agtgtgtgaa ttggtttgtc aatagtagta tagaagaaca tgtaatttgt 180
a   181

<210>   1413
<211>   181
<212>   DNA
<213>   Artificial Sequence

<400>   1413
tgccgtcttt gaatgcttga aaaacgtctc ttgttttctg agaaaacata tccctgttgt 60
catctagccg tccgtcaaca atagagatac caatttcttt tactaggtcg ttcaccttat 120
caaggttata tgctccaccg tcaagacccg caagcattgt actaaatgcc tcatctgctg 180
t   181

<210>   1414
<211>   181
<212>   DNA
<213>   Artificial Sequence

<400>   1414
taaacaattc tttttcaggg ataggaataa cccacgtaac agcggtcaag tcatttactc 60
gtgctaggtc tataccaata aatacttcac gccctgtgat gtcaaactcc tcgtctgtgt 120
acgccttgtc ccactcgtct acagaaatgt atgacgttgc ttggtccgca acccaaaaat 180
t   181

<210>   1415
<211>   181
<212>   DNA
<213>   Artificial Sequence

<400>   1415
ttgatatgtt caaaaccatg cacccacatt tagccaatgt gaatgtaact cagacaaaaa 60
taaatgagtc ccttacctca ttctttgaac gatttgacag tgactacagg caactcaaag 120
cgtggtaccc tatacgcaac caacgaacct ctattctagc tgtatatgca aacaacggtt 180

t 181

<210> 1416
<211> 181
<212> DNA
<213> Artificial Sequence

<400> 1416
tatggagttt ggcgcgggag gtgtccacgg agctgttgaa cagcttattc acagtggacg 60
ctttctcatg cgtgactacg gtagtttgta ccctaatgtg tatgtgaatt ttgatgttct 120
ttctcgtaac gtacctgagg agaataagca cctagtgaaa gaactcttag ataaacgtct 180
a 181

<210> 1417
<211> 181
<212> DNA
<213> Artificial Sequence

<400> 1417
atgagtaact cctccttacc tacaggcggt tctactgtac ctgtaacaat aaccggtgtc 60
acttttgctt ttcgccattt attaatcgtt acagtaatca tttatttttc ctccttatta 120
gacattattc ccataggaac atatcatttc ttataacaaa aatatcttct gacttagtat 180
c 181

<210> 1418
<211> 181
<212> DNA
<213> Artificial Sequence

<400> 1418
ttaataattt attagccatc ttcgcactcg gtttttctac ctcaatgaag ttactaggtt 60
ctaaataagc tttaccgttg tcagaggtat atacctctaa tgtgtcacct gtgttaggga 120
caccacccat tttgtttagg tcctcgttaa atcgctctgt aacctcatct tttttagtcc 180
a 181

<210> 1419
<211> 181
<212> DNA
<213> Artificial Sequence

<400> 1419
tcccactcgt ctacagaaat gtatgacgtt gcttggtccg caacccaaaa attcagctcc 60
ttagttagga agttggtgag attaccttta gcctctccct ctgtcttttt agcccgtttg 120
tgttctaaca tatgtgtgcg aacgtcaggt ttttcaaaaa gagggttaga tttaaaccag 180
t 181

<210> 1420
<211> 181
<212> DNA
<213> Artificial Sequence

<400> 1420
caaggttacc taaatcattt ttagcaatct taacaataac aaactcatcc tcaacttcat 60
cctgttcccc atccacgcgt atagtcactt tcttttctag ttcttgctcc tgtaaacgca 120
ttccctcagc gcgtactttc tcatattgct gtactgcctc cattaggtct aaaccgttgt 180
t 181

<210> 1421
<211> 181
<212> DNA
<213> Artificial Sequence

<400> 1421
aaatttttct caagtctcta agttgtgcgt ctgttaagtg tacgcttact acatcattcg 60
taatatcagt aattttaatc actgttttat ctttatataa cctagcgaca ctcaaggtag 120

caccttggtt atctttcaat ctatattcaa ttccctcatt aacatagtca cgttcaaaac 180
g 181

<210> 1422
<211> 181
<212> DNA
<213> Artificial Sequence

<400> 1422
atattcaaac gggaacatgc gagtgttgtt taacgactca tcaactaaca gaagagtcta 60
ttatagcaat gacttattaa ccaactactt gccagcagga gttaaatatt ccgtcacaat 120
agacgcagtc agcaacaata atgggttaat tagggtaggt aattttgacg ctctcagtac 180
a 181

<210> 1423
<211> 181
<212> DNA
<213> Artificial Sequence

<400> 1423
cggaaaaact tcccttggat aaaggtgata gcgtgtaagg aggtcaatga cctacttgtt 60
tcaaaaggta aggcacccgt taacattata gtggaacacg gtaccactat tgacgtgagt 120
ggcgtagtgt gtacgttttt agacgctcct catgaggttc aaaacttagg cattatcgga 180
a 181

<210> 1424
<211> 181
<212> DNA
<213> Artificial Sequence

<400> 1424
gatactaagt cagaagatat ttttgttata agaaatgata tgttcctatg ggactaatgt 60
ctaataagga ggaaaaataa atgattactg taacgattaa taaatggcga aaagcaaaag 120
tgacacctgt tattgttaca ggtacagtag aaccgcctgt aggtaaggag gagttactca 180
t 181

<210> 1425
<211> 181
<212> DNA
<213> Artificial Sequence

<400> 1425
tacagcaccg tcatagttag cctctaggag taacaaatca attttcttac ctgttttatc 60
aaggtactca ctgaatgcca cagtagtcat taggtctgta gcgtataaaa aactttgacc 120
gtttgagttt ccgataatgc ctaagttttg aacctcatga ggagcgtcta aaaacgtaca 180
c 181

<210> 1426
<211> 181
<212> DNA
<213> Artificial Sequence

<400> 1426
ataggacttt catttaaagt attaaaaaaa gatttacagg actgtcactt actgtttata 60
agtcacattc atggagacca cctgaatgtt ggttgttata accaaatacg gaaaaacttc 120
ccttggataa aggtgatagc gtgtaaggag gtcaatgacc tacttgtttc aaaaggtaag 180
g 181

<210> 1427
<211> 181
<212> DNA
<213> Artificial Sequence

<400> 1427
caattcagaa gaacaaacag agtatgattg ggtgtgatta gatgattgaa tataagatta 60

taagcagtgg gtcagtaggt aacgcggtta aattaacatt tcagaatggt ataaaaatga 120
tgattgagat aggactttca tttaaagtat taaaaaaaga tttacaggac tgtcacttac 180
t   181

<210>   1428
<211>   181
<212>   DNA
<213>   Artificial Sequence

<400>   1428
tgtactgaga gcgtcaaaat tacctaccct aattaaccca ttattgttgc tgactgcgtc 60
tattgtgacg gaatatttaa ctcctgctgg caagtagttg gttaataagt cattgctata 120
atagactatt ctgttagttg atgagtcgtt aaacaacact cgcatgttcc cgtttgaata 180
t   181

<210>   1429
<211>   181
<212>   DNA
<213>   Artificial Sequence

<400>   1429
aaatttttct caagtctcta agttgtgcgt ctgttaagtg tacgcttact acaacattcg 60
taaaatcagt aattttaatc actgttttat ctttatataa cctagcgaca ctcaaggtag 120
caccatgttt atctttcaaa ctatattcaa ttccctcatt aacatagtca cgttcaaaac 180
g   181

<210>   1430
<211>   181
<212>   DNA
<213>   Artificial Sequence

<400>   1430
ggatatgttt tctcagaaaa caagagacgt ttttcaagca ttcaaagacg gcacagcgac 60
acaggctgat gttactcaaa gtatgctaaa cgacttctca aaaatggact ctagttatga 120
atcacttaac aaagcctcta cagtgtggag cgcgctaggt gaggacaaca gtatgaaaat 180
g   181

<210>   1431
<211>   181
<212>   DNA
<213>   Artificial Sequence

<400>   1431
atgagtaact cctccttacc tacaggcggt tctactgtac ctgtaacaat aaccggtgtc 60
acttttgctt ttcgccattt attaatcgtt acagtaatca tttatttttc ctccttatta 120
gacattagtc ccataggaac atatcatttc ttataacaaa aatatcttct gacttagtat 180
c   181

<210>   1432
<211>   181
<212>   DNA
<213>   Artificial Sequence

<400>   1432
ctttcattaa ggtagtaaaa gagtgtattc cgtttgcttt acctttttacg tcacagtcta 60
ctactaataa tttgttttgg tccccacata agaccccttt attcatgttt cttatttttac 120
ctaatgtatt gtaactctct tgagcttgcc actcttttat cgcgggaatt ttagtacgcg 180
c   181

<210>   1433
<211>   181
<212>   DNA
<213>   Artificial Sequence

<400>   1433

ctagaacaaa atgaccatgc taccccgttc atccaacaca ttacagaacg tgggaaacta 60
tatacgtggt attcaattgg cacaggacta gacgcgtcta caattccaat gactcgcacc 120
acgcaaacat ataccattca aaatgaagct actaaagttc tcagattgag cctaaatgta 180
t   181

<210>   1434
<211>   181
<212>   DNA
<213>   Artificial Sequence

<400>   1434
aaatttttct caagtctcta agttgtgcgt ctgttaagtg tacgcttact acaacattcg 60
taaaatcagt aattttaatc actgttttat ctttatataa cctagcgaca ctcaaggtag 120
caccatgatt atctttcaaa ctatattcaa ttccctcatt aacatagtca cgttcaaaac 180
g   181

<210>   1435
<211>   180
<212>   DNA
<213>   Artificial Sequence

<400>   1435
gcaacaccac caaatgtaac aggtggtcaa tacctatgga cacgtattat ctggacattt 60
acagataata gtaaccaaac aacctcctca gtggcgcgct ttggtcagga tggtattagt 120
gtgactggta ctcaatcaga gtatgtacaa acaactagtt ctgtagaacc tacctcagga 180

<210>   1436
<211>   180
<212>   DNA
<213>   Artificial Sequence

<400>   1436
gtagctcagt ggcgtctacg tctttccaac aataagcaac ctctttgcgt aggtcctcat 60
ctgttagttt accgccttgt tcaaagtcaa catccgtctc tttgacttct aaccccatga 120
aaccctcatg ttctttcagt gaaaaccctt tgtgttcatg gtacaggtca caacctagaa 180

<210>   1437
<211>   180
<212>   DNA
<213>   Artificial Sequence

<400>   1437
gggaatacag gtgtcatttc tcacgcatat gcaacggcac atcaaccaaa caatggttct 60
gaccatattg acccctatcc atacttgcgt aaatggggaa ttagtaaaga gcagtttgct 120
aaagacaata aaaatgggtt tggtggaaat agttccaata ctgacaacaa acctaaacca 180

<210>   1438
<211>   180
<212>   DNA
<213>   Artificial Sequence

<400>   1438
gacggtaata cacctacagt agacaatact agccctacat atgtagggta tagtaccacg 60
gacactgtac ctgaggacac tgcgccaaat atcctattaa acggttcaca ggacaatagt 120
atacagtctt ggggaatctt tgacgcagta acggctacac caacagcagg agccactaaa 180

<210>   1439
<211>   180
<212>   DNA
<213>   Artificial Sequence

<400>   1439
cgtatctcag agcctctcag agcgttttag agcatgtttg tttttgagcg taaaaaagag 60
agggttcttt ccctctcaat ttgtttctat tactgtttgg atgttcttgt ttgttgtgac 120
aagaaaaaca aatactttct aaataattca tatctaacct atgttcccat ccctcagagg 180

<210>   1440
<211>   180
<212>   DNA
<213>   Artificial Sequence

<400>   1440
ttacctttta caaagtttgg cactggttga cccgtttggt atttagttgc tttggcgcgt 60
acttttactt tactacctac agggaaatca cgtgtgtctg tgatttttgg tttagacggt 120
tgtggttgtg gtttaggttt gttgtcagta ttggaactat ttccaccaaa cccattttta 180

<210>   1441
<211>   180
<212>   DNA
<213>   Artificial Sequence

<400>   1441
actacgttta cttcataatt aaaagcaggt tgacttttct ttttcaattc actaacagca 60
agtgaagcca atttaccttt atccagggtg tcatacgtta cagcacgtgt gaacaaacct 120
cctgttgttg ataagagtct ggaccattta ggagcttctt gcgtgtcaat cataacccca 180

<210>   1442
<211>   180
<212>   DNA
<213>   Artificial Sequence

<400>   1442
tgctgaggaa tttagcaaac gcgtaccata ctggtctaac agtaaagcaa aaatgagcgg 60
taagcgtggt tcatatatgg gtgagcatat gagagaccat gttatctata gcaaagccaa 120
agatggagat gtagaaattg gctttgatga tgaggttgcg tggcgcgcgc actttattga 180

<210>   1443
<211>   180
<212>   DNA
<213>   Artificial Sequence

<400>   1443
atgatgtact gtgttccttt aatttctaac acacctatga gattattact tgtgttctta 60
gttaccttat aattgacagc attactagca ccccattctg gtacagaaac ccctgttgtt 120
cgtgtaattt cactagttcc gtcagacact agtgttggtt gttcagattg cccactaggt 180

<210>   1444
<211>   180
<212>   DNA
<213>   Artificial Sequence

<400>   1444
aggagctgat taacacatgg tgcaaagcgg aaaaccagta ggaaatatga agattggttt 60
aggtattgac ggaaccgctg aactaggtaa tacacttgac aaactaacaa aacaattcaa 120
acaagctgaa agctccatga aggcaaacat caaagcgttt gacggtgcct ctgatagtgt 180

<210>   1445
<211>   180
<212>   DNA
<213>   Artificial Sequence

<400>   1445
ccgcgtgagt tagtaatcat tagtagaatt ttagtcattt ttcttaccct caccatatcc 60
gtcaaggtat gccactgcct cacgtatcgt tgtatcatgt ttaatcttgt ctctaaactc 120
ctcagcgtca atcattactt tgctatcatc tgtcttctca tagggttcta gaggctccat 180

<210>   1446
<211>   180
<212>   DNA
<213>   Artificial Sequence

<400> 1446
tctcatgaca atgttccagt agtattgaaa cgattgaggt gacgtggttt taatagcagg 60
tacaacatta ttaagtaagt caagtgcacc atcttcacaa cttatctcac gtgttcccgc 120
caatggggtg tgtgtgaagt ccatgatagt aagacaggca ctatctccgt tatgtcgtct 180

<210> 1447
<211> 180
<212> DNA
<213> Artificial Sequence

<400> 1447
gttactccta gaggctaact atgacggtgc tgtaattggt tatagtgaat atatgaaaat 60
tcacagcggt tatgatacgt ataataatgg ttcctataga catttgtcag ttcgccaaaa 120
tacagaggtc gccactaaat acttgtcaga gggtggtacg agtattcatt tacaccagag 180

<210> 1448
<211> 180
<212> DNA
<213> Artificial Sequence

<400> 1448
ttctaggttg tgacctgtac catgaacaca aagggttttc actgaaagaa caggagggtt 60
tcatggggtt agaagtcaaa gagacggatg ttgactttga acaaggcggt aaactaacag 120
atgaggaact acgcaaagag gttgcttatt gttggaaaga cgtagacgcc actgagctac 180

<210> 1449
<211> 180
<212> DNA
<213> Artificial Sequence

<400> 1449
ttggggaatc tttgacgcag taacggctac accaacagca ggagccacta aagtaactaa 60
aacagcagtg tcaacaatac gtcctgcata cctatcaaat ggctacagtg ctttgcgcgg 120
tacaacgtac actgtatcag ggagtgtatt catctctaag gggtggactg gtagtctagc 180

<210> 1450
<211> 180
<212> DNA
<213> Artificial Sequence

<400> 1450
tctcatgaca atgttccagt agtattgaaa cgattgaggt gacgtggttt tattagcagg 60
tacaacatta ttaagtaagt caagtgcacc atcttcacaa cttatctcac gtgttcccgc 120
caatgggttg tgtgtgaagt ccatgatagt aagacaggca ctatctccgt tatgtcgtct 180

<210> 1451
<211> 180
<212> DNA
<213> Artificial Sequence

<400> 1451
gttactccta gaggctaact atgacggtgc tgtaattggt tatagtgaat atctgaaaat 60
tcacagcggt tatgatacgt ataataatgg ttcctataga catttgtcag ttcgccaaaa 120
tacagagttc gccactaaat acttgtcaga gggtggtacg agtattcatt tacaccagag 180

<210> 1452
<211> 180
<212> DNA
<213> Artificial Sequence

<400> 1452
cttcatattt cctactggtt ttccgctttg caccatgtgt taatcagctc ctattttctc 60
tagcttttca agttcctcag gacttaagaa acgcttaata aagtcagcgc catccatcac 120
cttttcttgt ttagactctt taccaaacaa ttgtaataaa agaaagtagt cagcgttctc 180

<210>   1453
<211>   180
<212>   DNA
<213>   Artificial Sequence

<400>   1453
tctaattatc tattactttt tcccaaacat atgttacgcc actctggtag cgctctttca 60
tatagttatc aacaatttcg cctatattgt ctgagtttct gaccataatg gtctctagaa 120
acaaatcccc gcgtgagtta gtaatcatta gtagaatttt agtcattttt cttaccctca 180

<210>   1454
<211>   180
<212>   DNA
<213>   Artificial Sequence

<400>   1454
tcaataaagt gcgcgcgcca cgcaacctca tcatcaaagc caatttctac atatccatct 60
ttggctttgc tatagataac atggtctctc atatgctcac ccatatatga accacgctta 120
ccgctcaatt ttgctttact gttagaccag tatggtacgc gtttgctaaa ttcctcagca 180

<210>   1455
<211>   180
<212>   DNA
<213>   Artificial Sequence

<400>   1455
tcaattatat tctcaacttc atttaataag tcctcgttaa caacaatttg ctgtactacg 60
taaagcgcgt atagtgctaa gtcagtaggt gagtcaccgt caataaatac agtatcaata 120
acaatagaca cagtaactaa accactgaag acaagtaact cagcagactc aatacccgtt 180

<210>   1456
<211>   180
<212>   DNA
<213>   Artificial Sequence

<400>   1456
ctctggtgta aatgaatact cgtaccaccc tctgacaagt atttagtggc gacctctgta 60
ttttggcgaa ctgacaaatg tctataggaa ccattattat acgtatcata accgctgtga 120
attttcagat attcactata accaattaca gcaccgtcat agttagcctc taggagtaac 180

<210>   1457
<211>   180
<212>   DNA
<213>   Artificial Sequence

<400>   1457
ttctaggttg tgacctgtac catgaacaca aagggttttc actgaaagaa caggagggtt 60
tcatggggtt agaagtcaaa gagacggatg ttgactttga acaaggcggt aaactaacag 120
atgaggacct acgcaaagag gttgcttatt gttggaaaga cgtagacgcc actgagctac 180

<210>   1458
<211>   180
<212>   DNA
<213>   Artificial Sequence

<400>   1458
tctcatgaca atgttccagt agtattgaaa cgattgaggt gacgtggttt tattagcagg 60
tacaacatta ttaagtaagt caagtgcacc atcttcacaa cttatctcac gtgttcccgc 120
caatggggtg tgtgtgaagt ccatgatagt aagacaggca ctatctccgt tatgtcgtct 180

<210>   1459
<211>   180
<212>   DNA
<213>   Artificial Sequence

<400> 1459
tcaataaagt gcgcgcgcca cgcaacctca tcatcaaagc caatttctac atctccatct 60
ttggctttgc tatagataac atggtctctc atatgctcac ccatatatga accacgctta 120
ccgctcaatt ttgctttact gttagaccag tatggtacgc gtttgctaaa ttcctcagca 180

<210> 1460
<211> 179
<212> DNA
<213> Artificial Sequence

<400> 1460
agacaaccct agttgggttg cctcgttcgt ttattacagt ccaaaaccaa actcaccgct 60
tgcgtaacgt tctgaccagt ttatttcctc gaactcataa aagtatgctt cactgtacgc 120
gtttataagc gcgtcaagag ggtcaatctt gttgcggtta acttgtttat caatcataa   179

<210> 1461
<211> 179
<212> DNA
<213> Artificial Sequence

<400> 1461
ttgaacaaag taatagcttg ttctaagtca ccaatgaata atagtttatc atttgtgtcg 60
attttaaaga tagcgtcagg aagtacaatt acctctttac caaacaatgt tttaccactt 120
gccattgcta cgtttggttg aataatgtat cgtccgtctg cgtctttcaa cgtatccaa   179

<210> 1462
<211> 179
<212> DNA
<213> Artificial Sequence

<400> 1462
cccttgcata agcgagggtt ttattatata ctagtgaacg agggggatga aattaatgaa 60
cactattttc acaccaacta agcaacaaaa agagaacgcg cgtaccatgt ttgaactttg 120
gaaaacagta gaaggtaacg ccatgagtta tgaccccatg acaggggggaa taaaagagg 179

<210> 1463
<211> 179
<212> DNA
<213> Artificial Sequence

<400> 1463
gcgttttaaa cttgagaatg gggttatgat tgacacgcaa gaagctccta actggtccag 60
actcttatca acaacaggag gtttgttcac acgtgctgta acgtatgaca cccttgataa 120
aggtaaattg gcttcacttg ctgttagtga attgaaaaag aaaagtcaac ctgctttta   179

<210> 1464
<211> 179
<212> DNA
<213> Artificial Sequence

<400> 1464
ctactgcgtt atcttgagtg ctatatccgt ttagttcata aatgaggtcg tccatggcta 60
acgcgttgcc atggaactcc tcctctagaa ctctgttaaa cagcatattt aactcatcat 120
caaacccctt accgtttaat accttgttaa tatactccgt tttaaattgc tctaacata   179

<210> 1465
<211> 179
<212> DNA
<213> Artificial Sequence

<400> 1465
tgtaaaatca ggtttccaat tcattaagta agaaacagcc tccctacctg tgcgtgtctc 60
acggagtttc aggcgtctca ttgggttacc ttttttagat tgtgtttcaa tgttctctgt 120
aacaacaccc tcttttattc cccctgtcat ggggtcataa ctcatggcgt taccttcta   179

<210>   1466
<211>   179
<212>   DNA
<213>   Artificial Sequence

<400>   1466
ttacgcgcgc gttagagcca tccattggga aaattttcaa acgcacgtac aatttggctt 60
tgtgtacaat tcccgtttcc tttacagcct ccttttcttt cagttcaaat tttgactcaa 120
tatattcctc atggtcaaaa ataaaataca tattatgcat atctgtcaaa acatatagt   179

<210>   1467
<211>   179
<212>   DNA
<213>   Artificial Sequence

<400>   1467
gcgttttaaa cttgagaatg gggttatgat tgacacgcaa gaagctccta aatggtccag 60
actcttatca acaacaggag gtttgttcac acgtgctgta acgtatgaca cccttgataa 120
aggtaaagtg gcttcacttg ctgttagtga attgaaaaag aaaagtcaac ctgctttta   179

<210>   1468
<211>   179
<212>   DNA
<213>   Artificial Sequence

<400>   1468
agtgcgcaag gatggtgcaa ttctagtaag taggtatggt actacagtag atagtgcgat 60
tccgtcaggc gcatggataa acatctcttg cgtatatgcg ggtcaagatt tattctaagg 120
gggataagta tgttagagca atttaaaacg gagtatatta acaaggtatt aaacggtaa   179

<210>   1469
<211>   179
<212>   DNA
<213>   Artificial Sequence

<400>   1469
tttggttttg gactgtaata aacgaacgag gcaacccaac tagggttgtc tgtttcgtgt 60
tataatttat aaagaagtta taattggagg aggttcacca tggaacgaat tatatattta 120
cctatgatta tgtatatact agcgtgtgtt tttatggcta ttggtgcctt tttggtaga   179

<210>   1470
<211>   179
<212>   DNA
<213>   Artificial Sequence

<400>   1470
taaaagcagg ttgacttttc tttttcaatt cactaacagc aagtgaagcc actttacctt 60
tatcaagggt gtcatacgtt acagcacgtg tgaacaaacc tcctgttgtt gataagagtc 120
tggaccagtt aggagcttct tgcgtgtcaa tcataacccc attctcaagt ttaaaacgc   179

<210>   1471
<211>   179
<212>   DNA
<213>   Artificial Sequence

<400>   1471
ctgactctcg tctgtttcag gataaccata gtaggcgcgt acctcgttag gtttaagata 60
ctcaatgcct ttggctgtac cctcaaacat tcgtttgttg cgttcgtcta atgtatcgtt 120
taataaacta gcaaagtcta ggtccacgtc aatatttaat ttaagattta tctcatcac   179

<210>   1472
<211>   178
<212>   DNA
<213>   Artificial Sequence

<400> 1472
taattatacc taaaccttgt ttagacccct cagaagccca atcagacacc atagacgcaa 60
ggcacactac tacgagtttc tttagccctg atttttttaaa cgattctaat gccatgagtg 120
tcttgcctga gccaacctca ctatgattta gattatgtgt ttcccatttg tctatgac   178

<210> 1473
<211> 178
<212> DNA
<213> Artificial Sequence

<400> 1473
ctcagtagcc acaagggagg tagtggataa ggtaacatgg acaatgaaat ctaaggaagt 60
cctacacatt cgtgcaggtt ccaagactag ttacaagtca tacggtctgt tacctaaggg 120
cgtcacgatt gaaacaacca aacgtcaaac gggtcaaaag attattaaaa acaaccaa   178

<210> 1474
<211> 178
<212> DNA
<213> Artificial Sequence

<400> 1474
gaatagctcc taatttgaac attaagcccg cctttgtgtc tgtagctact acgtcaaaac 60
ggatggcacc cgctaacatt tcaccgtaga cattgtggtc ttgccaacgt accgtcattt 120
cagtacgatt gaacaaagta atagcttgtt ctaagtcacc aatgaataat agtttatc   178

<210> 1475
<211> 178
<212> DNA
<213> Artificial Sequence

<400> 1475
aggctgtaaa ggaaacggga attgtacaca aagccaaaat gtacgtgcgt ttgaaaattt 60
tcccaatgga tggctctaac gcgcgcgtaa acgaaccact cctacatttc tttctcagtt 120
tttatgagta tgcagacacc tcaacatgga gaggcaaaga agttttcata caagggtg   178

<210> 1476
<211> 178
<212> DNA
<213> Artificial Sequence

<400> 1476
taacaattga ccctgcttac aatcaacgag tttttgtttc tcaaagcgca tttgctcaat 60
tggatacgtt gaaagacgca gacggacgat acattattca accaaacgta gcaatggcaa 120
gtggtaatac attgtttggt aaagaggtaa ttgtacttcc tgacgctatc tttaaaaa   178

<210> 1477
<211> 178
<212> DNA
<213> Artificial Sequence

<400> 1477
tggatacgtt gaaagacgca gacggacgat acattattca accaaacgta gcaatggcaa 60
gtggtaaaac attgtttggt aaagaggtaa ttgtacttcc tgacgctatc tttaaaaacg 120
acacaaaaga taaactatta ttcattggtg acttagaaca agctattact ttgttcaa   178

<210> 1478
<211> 178
<212> DNA
<213> Artificial Sequence

<400> 1478
atttttgcaa caatagagta ggtctctttc ttcttgtgtt ccacacgttt agtgttttgt 60
aggtaatatc cactgaccca tcctgaggca ggtattttct tacctgagtt cttagttaca 120
taataccctt ggttgttttt aataatcttt tgacccgttt gacgtttggt tgtttcaa   178

<210>   1479
<211>   178
<212>   DNA
<213>   Artificial Sequence

<400>   1479
caccttgta tgaaaacttc tttgcctctc catgttgagg tgtctgcata atcataaaaa 60
ctgagaaaga aatgtaggag tggttcgttt acgcgcgcgt tagagccatc cattgggaaa 120
attttcacac gcacgtacat tttggctttg tgtacaattc ccgtttcctt tacagcct   178

<210>   1480
<211>   178
<212>   DNA
<213>   Artificial Sequence

<400>   1480
agtctatgat agcaatgact tattaaccac ctacttgcca gcaggagtta tatattccgt 60
cacaatagac gcattcagca acattaatgg gataattagg gttggtaatt ttgacgatct 120
cagttcatgg caaacaataa aactaggtga cacaccttca acgtataaat ttgagggt   178

<210>   1481
<211>   178
<212>   DNA
<213>   Artificial Sequence

<400>   1481
tttttaaaga tagcgtcagg aagtacaatt acctctttac caaacaatgt tttaccactt 60
gccattgcta cgtttggttg aataatgtat cgtccgtctg cgtctttcaa cgtatccaat 120
tgagcaactg cgctttgaga aacaaaaact cgttgattgt aagcagggtc aattgtta   178

<210>   1482
<211>   178
<212>   DNA
<213>   Artificial Sequence

<400>   1482
tttttaaaga tagcgtcagg aagtacaatt acctctttac caaacaatgt attaccactt 60
gccattgcta cgtttggttg aataatgtat cgtccgtctg cgtctttcaa cgtatccaat 120
tgagcaactg cgctttgaga aacaaaaact cgttgattgt aagcagggtc aattgtta   178

<210>   1483
<211>   178
<212>   DNA
<213>   Artificial Sequence

<400>   1483
aggctgtaaa ggaaacggga attgtacaca aagccaaaat gtacgtgcgt gtgaaaattt 60
tcccaatgga tggctctaac gcgcgcgtaa acgaaccact cctacatttc tttctcagtt 120
tttatgagta tgcagacacc tcaacatgga gaggcaaaga agttttcata caagggtg   178

<210>   1484
<211>   178
<212>   DNA
<213>   Artificial Sequence

<400>   1484
gtcatagaca aatgggaaac acataatcta aatcatagtg aggttggctc tggcaagaca 60
ctcatggcat tagaatcgtt taaaaaatca gggctaaaga aactcgtagt agtgtgcctt 120
gcgtctatgg tgtctgattg ggcttctgag gggtctaaac aaggtttagg tataatta   178

<210>   1485
<211>   177
<212>   DNA
<213>   Artificial Sequence

<400> 1485
agggaccatg ttaccatgtt acagagcaac acagactgtc acgcctacag tcctcatgat 60
gaggaggctg aacgtattac agacgcgttc tgtgatgaca tttctgagcg cgtaggtatt 120
gtattggaca aagatgagtt cattgcctta taccagaaag atgtcaacaa ttatatt   177

<210> 1486
<211> 177
<212> DNA
<213> Artificial Sequence

<400> 1486
tagtagtgtg ccttgcgtct aaggtgtctg attgggcttc tgaggggtct aaacaaggtt 60
taggtataat taccctaagt gggtctccaa agctcagagg agagcttcta gaggcgtcag 120
gaacgcacta tgtatcaatc agctttcaat catcatggcg aacacctgaa ttattga   177

<210> 1487
<211> 177
<212> DNA
<213> Artificial Sequence

<400> 1487
taggtggacg gtcttataat gcgattgtgg gatatagaaa cactgaggac ttaaatgagc 60
tactcaaaga acacagcgtt gctattaaac gtgacaacaa actcatccca tcagatattg 120
tgtataaagt caagtcacca tcaatggtta agaaactacg cacacataga gtatatg   177

<210> 1488
<211> 177
<212> DNA
<213> Artificial Sequence

<400> 1488
ttaaattgag ggttaccttt gacaagttcg tataccttgt ccccaacttg acctaagaac 60
gtacctactt tattatcact atcaccactt ttaaactctt gcgcttgtgg gtaaatgaca 120
gagtatagta gaaattcacg tacattatta gaaacatagt gccaaatgtt cgtatct   177

<210> 1489
<211> 177
<212> DNA
<213> Artificial Sequence

<400> 1489
tgaggtcacc aatttttcca attatttggt ctggttcatt acccccтaac aggttaccca 60
tatctaccgc atcgcagacg tcaatcatct gtgtaatagc actctttaca attcctgact 120
ctagaatgtc aaaccccaca gcgtgtgcgt gcagtacatt gtaagcaaac attagac   177

<210> 1490
<211> 177
<212> DNA
<213> Artificial Sequence

<400> 1490
tcctcagtgt ttctatatcc cacaatcgca ttataagacc gtccacctac atactgtttc 60
tcttctatac agtagcgttc tctaaaagat ttccacgttc cagagtataa acctgcgatt 120
ttcaattgag aaaaccattg ttctaacatt ccgttagaaa ttggagttcc gctcatt   177

<210> 1491
<211> 177
<212> DNA
<213> Artificial Sequence

<400> 1491
gtgctgtttg ttatagaccc ttcgtttgta ggtacgtttt acgtaaaaat ctttaaacta 60
gaacaaaatg accatgctac cccgttcatc caacacatta cagaacgtgg taaactatat 120
acgtggtatt caattggcac aggactagac gcgtctacaa ttccaatgac tcgcacc   177

<210>   1492
<211>   177
<212>   DNA
<213>   Artificial Sequence

<400>   1492
ataccctgt ttggaatatt gtctataggg tgttctatcg ttagcctctt tctgaacaat 60
accaccaccc gttgttgcta cccacgcgtg agagtcaaca ataaacaatt ctttttcagg 120
gataggacta acccacgtaa cagcggtcaa gtcatttact cgtgctaggt ctatacc   177

<210>   1493
<211>   177
<212>   DNA
<213>   Artificial Sequence

<400>   1493
gtgctgtttg ttatagaccc ttcgtttgta ggtacgtttt acgtaaaaaa ctttaaacta 60
gaacaaaatg accatgctac cccgttcatc caacacatta cagaacgtgg taaactatat 120
acgtggtctt caattggcac aggactagac gcgtctacaa ttccaatgac tcgcacc   177

<210>   1494
<211>   177
<212>   DNA
<213>   Artificial Sequence

<400>   1494
ttactaagga agggtggttg atttacgagg accttgttcc acaacttaat cagctaccaa 60
tttcaaaact agacgctggc atgctagtca tttattgtaa tacttacgct atttacagtc 120
aggcaactca agaggtatct gaatacggtt atcttgacga aaaagggaaa ccatcag   177

<210>   1495
<211>   177
<212>   DNA
<213>   Artificial Sequence

<400>   1495
tccgctcatt aaataggtgt gtcctgcttt cttacttact ttcatccaaa acttagttac 60
gtttgcgctc ctgtttgcta gacagtgaga ctcatcaaaa acaatcatag tgtctttatc 120
tataaatgtc aataattcag gtgttcgcca tgatgattga aagctgattg atacata   177

<210>   1496
<211>   177
<212>   DNA
<213>   Artificial Sequence

<400>   1496
tattaatcgc gggtattgca ttatatgaac ttctttacga acgttcgccc atggcgtccc 60
gtcaaatata ttctacagcc aatacaaaag accaagcgtc tatttgtttc cgcatgatta 120
agacacaact acaggctgtt agaaagaaat ctaaaaaggt tcgtgagttt acaaaag   177

<210>   1497
<211>   177
<212>   DNA
<213>   Artificial Sequence

<400>   1497
ggtatagacc tagcacgagt aaatgacttg accgctgtta cgtgggttat tcctatccct 60
gaaaaagaat tgtttattgt tgactctcac gcgtgggtag caacaacggg tggtggtatt 120
gttcagacag aggctaacga tagaacaccc tatagacaat attccaaaca ggggtat   177

<210>   1498
<211>   177
<212>   DNA
<213>   Artificial Sequence

<400> 1498
taaaattgcc tattaataca ttgtttggtg ccacaggtgc agagtttaat gggttatatg 60
acccacgttt tcaatttcta acatgtgtga ttgggcaatt aattatggct gacttctacg 120
agggaatgag ggaccatgtt accatgttac agagcaacac agactgtcac gcctaca 177

<210> 1499
<211> 177
<212> DNA
<213> Artificial Sequence

<400> 1499
ttattataca ttgtttttct ccctaaaaag cactacacgc tgattcctcc caacgtgtag 60
tgctttttat tattttgacg agttaagttc gtcaattgtg tcattgtatg cagtagctag 120
gttattcctg aggtcaccaa tttttccaat tatttggtct ggttcattac cccctaa 177

<210> 1500
<211> 177
<212> DNA
<213> Artificial Sequence

<400> 1500
ataccctgt ttggaatatt gtctataggg tgttctatcg ttagcctctg tctgaacaat 60
accaccaccc gttgttgcta cccacgcgtg agagtcaaca ataaacaatt ctttttcagg 120
gataggacta acccacgtaa cagcggtcaa gtcatttact cgtgctaggt ctatacc 177

<210> 1501
<211> 177
<212> DNA
<213> Artificial Sequence

<400> 1501
gtgctgtttg ttatagaccc ttcgtttgta ggtacgtttt acgtaaaaat ctttaaacta 60
gaacaaaatg accatgctac cccgttcatc caacacatta cagaacgtgg taaactatat 120
acgtggtctt caattggcac aggactagac gcgtctacaa ttccaatgac tcgcacc 177

<210> 1502
<211> 176
<212> DNA
<213> Artificial Sequence

<400> 1502
atctacgtca cgcccaacac gtagagtaat atctttctcg tcccccatct cctctacaat 60
gttcattgtt ttacttttta actgcatgtt ttcaaactca aagtcaatgg taaacttagc 120
gcctccaaag tctgaaataa tactccttag acgctccact gctgttgtct cattat 176

<210> 1503
<211> 176
<212> DNA
<213> Artificial Sequence

<400> 1503
ctatcgctgt tacttacgct gtaggtacct caggtacaac agcaccatcc acaggttggc 60
aagcaacacc accaaatgta acaggtggtc aatacctatg gacacgtatt atctggacat 120
ttacagagaa tagtaaccaa acaacctact cagtggcgcg ctttggtcag gatggt 176

<210> 1504
<211> 176
<212> DNA
<213> Artificial Sequence

<400> 1504
tttgacttct aaccccatga aaccctcatg ttctttcagt gaaaacccat tgtgttcatg 60
gtacaggtca caacctagaa taggagtttt cttcgtgtta aagagtttat aaataagtcc 120
tctatcatct gacttaataa cagcctgtga caactgaaac gcgtctttac cttgta 176

<210>   1505
<211>   176
<212>   DNA
<213>   Artificial Sequence

<400>   1505
tctatagtcc catggttcaa acggacgtag ttctaatgta cgcatgttta gcgcaccgtt 60
ttgaaaatac gcacattcac caaggtatct gtacttatcg ttcgttctat cgttgaaata 120
tccctcatta aattgagggt tacctttgac aagttcgtat accttgtccc caactt   176

<210>   1506
<211>   176
<212>   DNA
<213>   Artificial Sequence

<400>   1506
gtttagcctc aagtgcgccc gctgagtccc ctgcgtcttt tagtgctttt acttgttgtt 60
gagtctcacg ttcgttctgt ttcatttctt tagaaagttg tgttagtcca ctcttagcgt 120
caatgtagtc cttggaggtt ttttctagtt gactagttaa accattgtat tttgct   176

<210>   1507
<211>   176
<212>   DNA
<213>   Artificial Sequence

<400>   1507
atctacgtca cgcccaacac gtagagtaat atctttctcg tcccccatat cctctacaat 60
gttcattgtt ttacttttta actgcatgtt ttcaaactca aagtcaatgg taaacttagc 120
gcctccacag tctgaaataa tactccttag acgctccact gctgttgtct cattat   176

<210>   1508
<211>   176
<212>   DNA
<213>   Artificial Sequence

<400>   1508
tttgacttct aaccccatga aaccctcatg ttctttcagt gaaaaccctt tgtgttcatg 60
gtacaggtca caacctagaa taggagtttt cttcgtgtta aagagtttat aaataagtcc 120
tctatcaact gacttaataa cagcctgtga caactgaaac gcgtctttac cttgta   176

<210>   1509
<211>   176
<212>   DNA
<213>   Artificial Sequence

<400>   1509
ctactacgtg cgagaagaac ccactgttga cgggtctgcg catatgatag tctgcctcgt 60
tttgcgctgt agatgatgaa ttccccgtac tgtgtacgtg aatttgtcca tacggtctta 120
cccctacgtg tggtaaacct gagcgcattt gtttttcaat tttcattgaa tcattc   176

<210>   1510
<211>   176
<212>   DNA
<213>   Artificial Sequence

<400>   1510
gtatttctac tccttaccca caaccacata ccaatttgag gtgttggacg tgttgtactc 60
catcctgagg taggttctac agaactagtt gtttgtacat actctgattg agtaccagtc 120
acactaagac catcctgacc aaagcgcgcc actgagtagg ttgtttggtt actatt   176

<210>   1511
<211>   176
<212>   DNA
<213>   Artificial Sequence

<400> 1511
gtttagcctc aagtgcgccc gctgagtccc ctgcgtcttt tagtgcttgt acttgttgtt 60
gagtctcacg ttcgttctgt ttcatttctt tagaaagttg tgttagtcca ctcttagcgt 120
caatgtattc cttggaggtt ttttctagtt gactagttaa accattgtat tttgct   176

<210> 1512
<211> 176
<212> DNA
<213> Artificial Sequence

<400> 1512
ctactacgtg cgagaagaac ccactgttga cgggtctgcg catatgatcg tctgcctcgt 60
tttgcgctgt agatgatgaa ttccccgtac tgtgtacgtg aatttgtcca tacggtctta 120
cccctacttg tggtaaacct gagcgcattt gtttttcaat tttcattgaa tcattc   176

<210> 1513
<211> 176
<212> DNA
<213> Artificial Sequence

<400> 1513
ctactacgtg cgagaagaac ccactgttga cgggtctgcg catatgatcg tctgcctcgt 60
tttgcgctgt agatgatgaa ttccccgtac tgtgtacgtg aatttgtcca tacggtctta 120
cccctacgtg tggtaaacct gagcgcattt gtttttcaat tttcattgaa tcattc   176

<210> 1514
<211> 176
<212> DNA
<213> Artificial Sequence

<400> 1514
tacaaggtaa agacgcgttt cagttgtcac aggctgttat taagtcagtt gatagaggac 60
ttatttataa actctttaac acgaagaaaa ctcctattct aggttgtgac ctgtaccatg 120
aacacaatgg gttttcactg aaagaacatg agggtttcat ggggttagaa gtcaaa   176

<210> 1515
<211> 176
<212> DNA
<213> Artificial Sequence

<400> 1515
atctacgtca cgcccaacac gtagagtaat atctttctcg tcccccatct cctctacaat 60
gttcattgtt ttacttttta actgcatgtt ttcaaactca aagtcaatgg taaacttagc 120
gcctccacag tctgaaataa tactccttag acgctccact gctgttgtct cattat   176

<210> 1516
<211> 176
<212> DNA
<213> Artificial Sequence

<400> 1516
agcaaaatac aatggtttaa ctagtcaact agaaaaaacc tccaaggact acattgacgc 60
taagagtgga ctaacacaac tttctaaaga aatgaaacag aacgaacgtg agactcaaca 120
acaagtacaa gcactaaaag acgcagggga ctcagcgggc gcacttgagg ctaaac   176

<210> 1517
<211> 175
<212> DNA
<213> Artificial Sequence

<400> 1517
tgtggaggag gtaatataat gttaatacca acggaacaac agcaaatggt catagacaaa 60
tgggaaacac ataatctaaa tcatagtgag gttggctctg gcaagacact catggcatta 120
gaatcgttta aaaaatcagg gctaaagaaa ctcgtagtag tgtgccttgc gtcta   175

<210>   1518
<211>   175
<212>   DNA
<213>   Artificial Sequence

<400>   1518
gtttatatac ttatgcgttt gttctaagga gtgatacaat gaaatacaac caatttaagg 60
ggtttcctct caaagcgcgt actaaaattc ccgcgataaa agagtggcaa gctcaagaga 120
gttacaatac attaggtaaa ataagaaaca tgaataaagg ggtcttatgt gggga   175

<210>   1519
<211>   175
<212>   DNA
<213>   Artificial Sequence

<400>   1519
gtggctcctg ctgttggtgt agccgttact gcgtcaaaga ttccccacta ctgtatacta 60
ttgtcctgtg aaccgtttaa taggatattt ggcgcagtgt cctcaggtac agtgtccgtg 120
gtactatacc ctacatatgt agggctagta ttgtctactg taggtgtatt accgt   175

<210>   1520
<211>   175
<212>   DNA
<213>   Artificial Sequence

<400>   1520
ttataatgaa gagtacttag atgataatta cacttttatt aaaaatgtgc tagaaactga 60
taagccacag gctaatatgg tgaatgaaga actgacagat acagcacgtt attcaaccaa 120
ttcaggtcaa caattgtttg acgtcttagc agatgaccta ctaacagatg accaa   175

<210>   1521
<211>   175
<212>   DNA
<213>   Artificial Sequence

<400>   1521
acattaggta aaataagaaa catgaataaa ggggtcttat gtggggacca aaacaaatta 60
ttagtagtag actgtgacgt aaaaggtaaa gcaaacggaa tacactcttt tactacctta 120
atgaaagact taggacatga aaccatacct aacaccctaa tggtctatac accgt   175

<210>   1522
<211>   175
<212>   DNA
<213>   Artificial Sequence

<400>   1522
agggaatacc caagttaaat cactagcctc aatgtaaatg ctatctgttt ctaagtcaag 60
caatgcctca cgtccaatga gtaactcctc cttacctaca ggcggttcta ctgtacctgt 120
aacaatacca ggtgtcactt ttgcttttcg ccatttatta atcgttacag taatc   175

<210>   1523
<211>   175
<212>   DNA
<213>   Artificial Sequence

<400>   1523
tatttttcct cctcaaattt aattagcgta tctaaataca cacgtgcctt ttcaaggtca 60
gtaatgccac ctttttcttt gtggcgttta atgtacttat aaatgttacc aattaagaaa 120
ccctcatctt ggtcatctgt tagtaggtca tctgctaaga cgtcaaacaa ttgtt   175

<210>   1524
<211>   175
<212>   DNA
<213>   Artificial Sequence

<400> 1524
gctgacgtat accatcaatc gttctacatg gtatagggtc tctgtggttc tctttctcaa 60
ttaatacttt ctctgtaggt gtcaaatcgt tttccggtag ttcgtacaag actgccccaa 120
ttgggaatgg tgtcgtctcg ttgtttacta actcatatgt tttcaaacta attcc   175

<210> 1525
<211> 175
<212> DNA
<213> Artificial Sequence

<400> 1525
agtctattat agcaatgact tattaaccaa ctacttgcca gcaggagata aatattccgt 60
cacaatagac gcattcagca acaataatgg gttaattagg gtaggtaatt ttgacgctct 120
cagtacatgg caaacaataa aacaaggtga cacaccttca acgtataaat ttgag   175

<210> 1526
<211> 175
<212> DNA
<213> Artificial Sequence

<400> 1526
agggaatacc caagttaaat cactagcctc aatgtaaatg ctatctgatt ctaagtcaag 60
caatgcctca cgtccaatga gtaactcctc cttacctaca ggcggttcta ctgtacctgt 120
aacaataaca ggtgtcactt ttgcttttcg ccatttatta atcgttacag taatc   175

<210> 1527
<211> 175
<212> DNA
<213> Artificial Sequence

<400> 1527
gactaccagt ccacccctta gagatgaata cactccctga tacagtgtac gttgtaccgc 60
gcaaagcact gtagccattt gataggtatg caggacgtat tgttgacact gctgttttag 120
ttaatttcgt ggctcctgct gttggtgtag ccgttactgc gtcaaagatt cccca   175

<210> 1528
<211> 175
<212> DNA
<213> Artificial Sequence

<400> 1528
aactaaccca ttgaggggta aggggtaaaa cctcttacct ctttttttatt agataggagt 60
gagataatgc taacaattga ccaaattaaa aataatctac gcattgacca taatatggat 120
gacgagtctt taacaatgtt acaagaaaca gcagtttctt ttttgatggg agcca   175

<210> 1529
<211> 175
<212> DNA
<213> Artificial Sequence

<400> 1529
gtggagcata tagtgctgtt ttaggtatta ccgcagacga aaatggtctt atgacagtgg 60
ggcaggacac tcaagctcct tatgtctctg ttacttttgt atcagatgac gcagatggta 120
atgaggtata tatgggactg actaaagttc gctttgctca ccctgacgtt gcgtt   175

<210> 1530
<211> 175
<212> DNA
<213> Artificial Sequence

<400> 1530
aacgcaacgt cagggtgagc aaagcgaact ttagtcagtc ccatatagac ctcattacca 60
tctgcgtcat ctgatacaaa agtaacagag acataaggag cttgagtgtc ctgccccact 120
gtcataatac cattttcgtc tgcggtaata cctaaaacag cactatatgc tccac   175

<210>   1531
<211>   175
<212>   DNA
<213>   Artificial Sequence

<400>   1531
tttttagcaa tcttaacaat aacacactca tcctcaactt catcctgttc cccatccacg 60
cgtatagtca ctttcttttc tatttcgtgc tcctgtaaac gcattccctc agcgcgtact 120
ttctcatctt gctgtactgc ctccattagg tctaaaccgt tgtttgcata tacag   175

<210>   1532
<211>   175
<212>   DNA
<213>   Artificial Sequence

<400>   1532
tttttagcaa tcttaacaat aacaaactca tcctcaactt catcctggtc cccatccacg 60
cgtatagtca ctttcttttc tatttcttgc tcctgtaaac gcattccctc agcgcgtact 120
ttctcatctt gctgtactgc ctccattagg tctaaaccgt tgtttgcata tacag   175

<210>   1533
<211>   175
<212>   DNA
<213>   Artificial Sequence

<400>   1533
gattactgta acgattaata aatggcgaaa agcaaaagtg acacctggta ttgttacagg 60
tacagtagaa ccgcctgtag gtaaggagga gttactcatt ggacgtgagg cattgcttga 120
cttagaatca gatagcattt acattgaggc tagtgattta acttgggtat tccct   175

<210>   1534
<211>   175
<212>   DNA
<213>   Artificial Sequence

<400>   1534
tgtactgaga gcgtcaaaat tacctaccct aattaaccca ttattgtagc tgaatgcgtc 60
tattgtgacg gaatatttaa ctcctgctgg caagtagttg gttaataagt cattgctata 120
atagactctt ctgttagttg atgagtcgtt aaacaacact cgcatgttcc cgttt   175

<210>   1535
<211>   175
<212>   DNA
<213>   Artificial Sequence

<400>   1535
ggaattagtt tgaaaacata tgagttagta aacaacgaga cgacaccatt accaattggg 60
gcagtcttgt acgaactacc tgaaaacgaa ttgacaccta cagagaaagt attaattgag 120
aaagagacac acagagaccc tataccatgt agaacgattg atggtatacg tcagc   175

<210>   1536
<211>   175
<212>   DNA
<213>   Artificial Sequence

<400>   1536
gtggagcata tagtgctgtt ttaggtatta ccgcagacga aaatggtctt atgacagtgg 60
ggcaggacac tcaagctcct tatgtctctg ttacttttgt atcagatgac gcagatggta 120
atgaggtcta tatgggactg actaaagttc gctttgctca ccctgacgtt gcgtt   175

<210>   1537
<211>   174
<212>   DNA
<213>   Artificial Sequence

<400> 1537
aaggtgcgct tgattaaacc tgaaccaact gaatttttta tgaatgaggg ttacgagcgt 60
gacagggact acgttggaga ggtgttcaga gtagctcata gcgctgaaga aattgacgga 120
caaacgcacc aacttgaact aagtattgat ggtcacctat ggtgggtata tgat   174

<210> 1538
<211> 174
<212> DNA
<213> Artificial Sequence

<400> 1538
agactgacgt acatcaaaga gtacgtcctc atacccgtct gctagtcttg tggtaattaa 60
ttgagactgt gcagggtcat aacaaatacc ttgtacgtct aaattgtttg tctcaataaa 120
cgccaaatcc caatttaaca tatcctccca atcacactga ccgtcaggac ggga   174

<210> 1539
<211> 174
<212> DNA
<213> Artificial Sequence

<400> 1539
ttgatagaga cacgatttca gaccgtattg acgatgtatt aggatacagg gaggaaaaca 60
aaatgagtaa agtatttgag gataatttta ctaaacccct accagtgggg acgaaggtgc 120
gcttgattaa acctgaacca actgaatttt ttatgaatga gggttacgag cgtg   174

<210> 1540
<211> 174
<212> DNA
<213> Artificial Sequence

<400> 1540
ggcaacgcgt tagccatgga cgacctcatt tatgaactaa acggatatag cactcaagat 60
aacgcagtag acacgttaca gaaccaagtt gactacatga gtaaaatgat aaatagacta 120
gcatacactc aaagttagga gcgggaacga atgccaatga atgaggacaa cttt   174

<210> 1541
<211> 174
<212> DNA
<213> Artificial Sequence

<400> 1541
ctttactgtc caactggcgt tgttttgttt gctacaaagt cttggaattt ctcaagcgtc 60
aacgtctcag acttcacacc agaggcgtat acatatccac gtgagtcact aatagcagac 120
ccctcaagag tatcagtatt agggtcagtg cctccaccct ctgaggtatt caac   174

<210> 1542
<211> 174
<212> DNA
<213> Artificial Sequence

<400> 1542
tatcctaata catcgtcaat acggtctgaa atcgtgtctc tatcaatccc atactcatct 60
acgagtttag cacctaaagc gcttgccata ataatgttga aagcaagttt ttcctcatct 120
actttttac cgtatttcaa cttatcaaaa tcaaacttta gttcctgtaa gacg   174

<210> 1543
<211> 174
<212> DNA
<213> Artificial Sequence

<400> 1543
ggcaactctc agagatagag aacgctgact actttctttt attacacttg tttggtaaag 60
agtctaaaca agaaaaggtg atggatggcg ctgactttat taagcgtttc ttaagtcctg 120
aggaacttga aaagctagag aaaaaaggag ctgattaaca catggtgcaa agcg   174

<210>   1544
<211>   174
<212>   DNA
<213>   Artificial Sequence

<400>   1544
ggcaactctc agagatagag aacgctgact actttctttt attacaattg tttggtaaag 60
agtctaaaca agaaaaggtg atggatggcg ctgactttat taagcgtttc ttaagtcctg 120
aggaactaga aaagctagag aaaaaaggag ctgattaaca catggtgcaa agcg   174

<210>   1545
<211>   174
<212>   DNA
<213>   Artificial Sequence

<400>   1545
gttgaatacc tcagagggtg gaggcactga ccctaatact gatactattg aggggtctgc 60
tattagtgac tcacgtggat atgtatacgc ctctggtgtg aagtctgaga cgttgacgct 120
tgagaaagtc caagactttg tagcaaacaa aacaacgcca gttggacagt aaag   174

<210>   1546
<211>   174
<212>   DNA
<213>   Artificial Sequence

<400>   1546
cttatcaaac gcacttttag ccatgttttt ggcaccgttc cagatgtttt ttacgcctcc 60
tgtaattttg tcaaagaagc cagtaccttt tttgtatgca aacttaggac gtttatgacc 120
taacactggt gcagtttctt ctgctgttaa aacgtgggtt ccttttcgtc ccca   174

<210>   1547
<211>   174
<212>   DNA
<213>   Artificial Sequence

<400>   1547
tgtactgaga gcgtcaaaat tacctaccct aattaaccca ttattggtgc tgaatgcgtc 60
tattgtgacg gaatatttaa ctcctgctgg caagtagttg gttaataagt cattgctata 120
atagactctt ctgttagttg atgagtcgtt aaacaacact cgcatgttcc cgtt   174

<210>   1548
<211>   174
<212>   DNA
<213>   Artificial Sequence

<400>   1548
ttccgctgta caatgacacg tgaccaaacg ggtaagaagt tcacttggaa ctttgagcat 60
atccaatcaa acaacggaat taaaccagtt acaaaaaacc catttaccta caatgcacct 120
gtagcaatca aagcttccgt tgttaaaaca tctagatggc tactcaagta taaa   174

<210>   1549
<211>   174
<212>   DNA
<213>   Artificial Sequence

<400>   1549
gtgacgccct taggtaacag accgtatgac ttgtaactag tcttggaacc tgcacgaatg 60
tgtaggactt ccttagattt cattgtccat gttaccttat ccactacctc ccttgtggct 120
actgagtatt tatacttgag tagccatcta gatgttttaa caacggaagc tttg   174

<210>   1550
<211>   174
<212>   DNA
<213>   Artificial Sequence

<400>   1550
ggcaacgcgt tagccatgga cgacctcatt tatgaactaa acggatctag cactcaagat 60
aacgcagtag acacgttaca gaaccaagtt gactacatga gtaaaatgat aaatagacta 120
gcatacaatc aaagttagga gcgggaacga atgccaatga atgaggacaa cttt   174

<210>   1551
<211>   174
<212>   DNA
<213>   Artificial Sequence

<400>   1551
tgtactgaga gcgtaataat tacctaccct aattaaccca ttattggtgc tgaatgcgtc 60
tattgtgacg gaatatttaa ctcctgctgt caagtagttg gttaataagt cattgctata 120
atagactatt ctgttagttg atgagtcgtt aaacaacact cgcatgttcc cgtt   174

<210>   1552
<211>   174
<212>   DNA
<213>   Artificial Sequence

<400>   1552
ggcaactctc agagatagag aacgctgact actttctttt attacacttg tttggtaaag 60
agtctaaaca agaaaaggtg atggatggcg ctgactttat taagcgtttc ttaagtcctg 120
aggaactaga aaagctagag aaaaaaggag ctgattaaca catggtgcaa agcg   174

<210>   1553
<211>   174
<212>   DNA
<213>   Artificial Sequence

<400>   1553
gttgaatacc tcagagggtg gaggcactga ccctaatact gatactcttg aggggtctgc 60
tattagtgac tcacgtggat atgtatacgc ctctggtgtg aagtctgaga cgttgacgct 120
tgagaaagtc caagactttg tagcaaacaa aacaacgcca gttggacagt aaag   174

<210>   1554
<211>   174
<212>   DNA
<213>   Artificial Sequence

<400>   1554
ggcaacgcgt tagccatgga cgacctcatt tatgaactaa acggatctag cactcaagat 60
aacgcagtag acacgttaca gaaccaagtt gactacatga gtaaaatgat aaatagacta 120
gcatacactc aaagttagga gcgggaacga atgccaatga atgaggacaa cttt   174

<210>   1555
<211>   174
<212>   DNA
<213>   Artificial Sequence

<400>   1555
tggggacgaa aaggaaccca cgttttaaca gcagaagaaa ctgcaccagt gttaggtcat 60
aaacgtccta agtttgcata caaaaaaggt actggcttct ttgacaaaat tacaggaggc 120
gtaaaaatca tctggaacgg tgccaaaaac atggctaaaa gtgcgtttga taag   174

<210>   1556
<211>   173
<212>   DNA
<213>   Artificial Sequence

<400>   1556
cttcatcctg ttccccatcc acgcgtctag tcactttctt ttctagttct tgctcctgta 60
aacgcattcc ctcagcgcgg tctatctctt attgctgtac tgcctccata aggtctaaac 120
cgttgtttgc atttacagcg agaatagagg ttcgttggtt gcgtataggg tac   173

<210>   1557
<211>   173
<212>   DNA
<213>   Artificial Sequence

<400>   1557
gagtagtgat ggaaaagaga ggttcacact ccaataccca aatgataatt tagtattgaa 60
ttatgatttc tcgaaagacc ccactattaa tggttggaca ggaaatggtg cgactataga 120
atattcacac gggaacatgc gagtgtggtt taacgactca gcaactaacc gaa   173

<210>   1558
<211>   173
<212>   DNA
<213>   Artificial Sequence

<400>   1558
gtccaataga tgggaaacgc ctgagaacct tgataaagag gataacgttc tattacttcg 60
tgaacgtaat aacctcatta gagaaaacga aatgctaagg gaaaagttgt tagacgctcg 120
tttagaggta gacgagttag cagatgaggt tgaccataaa agtcaacgca tag   173

<210>   1559
<211>   173
<212>   DNA
<213>   Artificial Sequence

<400>   1559
ttgggaaaat tttcaaacgc acgtacattt tggctttgtg tacaattccc gtttccttta 60
cagcctcctt ttctttcagt tcaaattttg actcaatata ttcctcatgg tcaaaaataa 120
aatacatctt atgcatatct gtcaaaacat atagttgacc gtctccgttg aac   173

<210>   1560
<211>   173
<212>   DNA
<213>   Artificial Sequence

<400>   1560
ctatacgact acgtggacga gttaaacgat ttcatacaaa cattattgga ggactactag 60
aatgaataaa ccaagtttag gactatatgt tattattgct ttgttgtttg gaggcattgg 120
cttacaccgt atgtatgagg gaaaacttgg ctcaggtttc ttgttcctat tct   173

<210>   1561
<211>   173
<212>   DNA
<213>   Artificial Sequence

<400>   1561
ccctctctta tttcatatag tgttattata ccatttatgt gtaaaacgtt gttatactag 60
ctcatacgca acatcaaggt tacctaaatc atttttagca atcttaacaa taacaaactc 120
atcctcacct tcatcctgtt ccccatccac gcgtatagtc actttctttt cta   173

<210>   1562
<211>   173
<212>   DNA
<213>   Artificial Sequence

<400>   1562
ttatcctctt tatcaaggtt ctcaggcgtt tcccatctat tggaccttag gttcactctc 60
cttataagtg aaatcacttg cgaaaaatga agcgtaacgt ttatcattaa tgtctgtagg 120
gaatacccaa gttaaatcac tagcctcaat gtaaatgcta tctgtttcta agt   173

<210>   1563
<211>   173
<212>   DNA
<213>   Artificial Sequence

<400> 1563
ctatacgact acgtggacga gttaaacgat ttcatacaaa cattaatgga ggactactag 60
aatgaataaa ccaagtttag gactatatgt tattattgct ttgttgtttg gaggcattgg 120
cttacacagt atgtatgagg gaaaacttgg ctcaggtttc ttgttcctat tct 173

<210> 1564
<211> 173
<212> DNA
<213> Artificial Sequence

<400> 1564
ctatacgact acgtggacga gttaaacgat ttcatacaaa cattattgga ggactactag 60
aatgaataaa ccaagtttag gactatatgt tattattgct ttgttgtttg gaggcattgg 120
cttacacagt atgtatgagg gaaaacttgg ctcaggtttc ttgttcctat tct 173

<210> 1565
<211> 173
<212> DNA
<213> Artificial Sequence

<400> 1565
ttgggaaaat tttcaaacgc acgtacattt tggctttgtg tacaagtccc gtttccttta 60
cagcctcctt ttctttcagt tcaaattttg actcaatata ttcctcatgg tcaaaaataa 120
aatacatctt atgcatatct gtcaaaacat atagttgacc gtctccgttg aac 173

<210> 1566
<211> 172
<212> DNA
<213> Artificial Sequence

<400> 1566
aaataccttg tacgtctaaa ttgtttgtct caataaacgc caaaacccaa tttaacatat 60
cctcccaatc acactgaccg tcaggacggg acgaaatttc acaatacccc tgtttggaat 120
attgtctata gggtgttcta tcgttagcct ctttctgaac aataccacca cc 172

<210> 1567
<211> 172
<212> DNA
<213> Artificial Sequence

<400> 1567
ttctgttagt tgatgagtcg ttaaacaaca ctcgcatgtt cccgattgaa tattctatag 60
tcgcaccatt tcctgtccaa ccattaatag tggggtcttt cgagaaatca taattcaata 120
ctaaattatc atttgggtat tggagtgtga acctctcttt tccatcacta ct 172

<210> 1568
<211> 172
<212> DNA
<213> Artificial Sequence

<400> 1568
tccccctgtc atggggtcat aactcatggc gttaccttct aatgatttcc aaagttcaaa 60
catggtacgc gcgttctctt tttgttgctt agttggtgtg aaaatagtgt tcattaattt 120
catccccctc gttcactagt atataataaa accctcgctt atgcaagggt ta 172

<210> 1569
<211> 172
<212> DNA
<213> Artificial Sequence

<400> 1569
ggtttccaat tcattaagta agaaacagcc tccctacctg tgcgtgtctc acggagtttc 60
aggcgtctca ttgggttacc ttttttagat tgtgtttcaa tgttctctgt aacaacaacc 120
tcttttagtc cccctgtcat ggggtcataa ctcatggcgt taccttctaa tg 172

<210>   1570
<211>   172
<212>   DNA
<213>   Artificial Sequence

<400>   1570
agtgtgttac taataaagca cactagagta tgtactaaac ctgacaaatg gctcactaat 60
gtcattaaat agccaaaacc aactgcaccc aacttaatta tggtaaacaa agcaacaata 120
taacccaccg ctaataacaa attcttaaag tagcccattt cgttctcccc cc   172

<210>   1571
<211>   172
<212>   DNA
<213>   Artificial Sequence

<400>   1571
cgttttgcgc tgtagatgat gaattccccg tactgtgtac gtgaatttgt ccatacggtc 60
ttacccctac ttgtggtaaa cctgagcgca tttgtttttc aattttcatt gaatcattct 120
cctttctctc tctaatcatt ataacacaaa aaaggaggct taagcctcct ta   172

<210>   1572
<211>   172
<212>   DNA
<213>   Artificial Sequence

<400>   1572
tgtacgtgtc cataggtatt taccttttтc tagagttggg atggttgtac tccatcctga 60
tgtaggttca tcaacgcttg aggtcttgat tgcccactct gttttagttg atttgacaga 120
ggcgccattt tgtcccgttg ttctcatcca cgtgtactta cttgggtccg tg   172

<210>   1573
<211>   172
<212>   DNA
<213>   Artificial Sequence

<400>   1573
atagggttgt cactaatgtt ttctaaatgg ttgtttcaac caaataaggg aggaaaatag 60
acatgaattt agatactaca aaattaggtg atttagtggt tgaaaaggcg cgtgagttaa 120
atgagaacac gggtattgag tctgctgagt tacttgtctt cagtgcttta gt   172

<210>   1574
<211>   172
<212>   DNA
<213>   Artificial Sequence

<400>   1574
taaggaggct taagcctcct tttttgtgtt ataatgatta gagatagaaa ggagaatgat 60
tcaatgaaaa ttgaaaaaca aatgcgctca ggtttaccac aagtaggggt aagaccgtat 120
ggacaaagtc acgtacacag tacggggaat tcatcatcta cagcgcaaaa cg   172

<210>   1575
<211>   172
<212>   DNA
<213>   Artificial Sequence

<400>   1575
tagtgaatat atgaaaattc acagcggtta tgatacgtat aatactggtt cctatagaca 60
tttgtcagtt cgccaaaata cagagttcgc cactaaatac ttgtcagagg gtggtacgag 120
tattcattta caccagagtg gtagttatta ctcatatgag aacctcaagg cg   172

<210>   1576
<211>   172
<212>   DNA
<213>   Artificial Sequence

<400> 1576
ctacgcgctc agaaatgtca tcacagaacg cgtctgtaat acgtacagcc tcctcatcat 60
gaggaatgta ggcgtgacag tctgtgttgc tctgtaacat ggtaacatgg tccctaattc 120
cctcgtagaa gtcagccata attaattgcc caatcacaca tgttagaaat tg 172

<210> 1577
<211> 172
<212> DNA
<213> Artificial Sequence

<400> 1577
tattgtttta cccactccca ttctgtttga aatagaaata ggtttatcac cgttgttttt 60
tacatatata ctatgcgtgt agttttgtcc tatgatgtac tgtgttcctt taatttctaa 120
cacacctctg agattattac ttgtgttctt agttacctta taattgacag ca 172

<210> 1578
<211> 172
<212> DNA
<213> Artificial Sequence

<400> 1578
atagggttgt cactaatgtt ttctaaatgg ttgtttcaac caaagaaggg aggaaaatag 60
acatgaattt agatactaca aaattaggtg atttagtggt tgaaaaggcg cgtgagttaa 120
atgagaaaac gggtattgag tctgctgagt tacttgtctt cagtgcttta gt 172

<210> 1579
<211> 172
<212> DNA
<213> Artificial Sequence

<400> 1579
gcccgtgaac ttatcgcaca aggtaaatta gatgaggcgg ataaattaat caaggaaatt 60
cgtgaggcac aagacgaaca aacagacgag gttaaccctg acgagcaacc taaggatgaa 120
caccctaagg atgatgaggc agacgaggtt gaaccagaag aaaataaaga ta 172

<210> 1580
<211> 172
<212> DNA
<213> Artificial Sequence

<400> 1580
tttgggtatt ggagtgtgaa cctctctttt ccatcactac tccatgcgta agctgtgtgt 60
aaaaatggat tttgaccatc ctgtacgttt gcaatactca atggctttga ctctaatgcc 120
atgttttgta cctcctctaa taatctacag aacaataata tgtatataca tt 172

<210> 1581
<211> 172
<212> DNA
<213> Artificial Sequence

<400> 1581
caatttctaa catgtgtgat tgggcaatta attatggctg acttatacga gggaattagg 60
gaccatgtta ccatgttaca gagcaacaca gactgtcacg cctacattcc tcatgatgag 120
gaggctgaac gtattacaga cgcgttctgt gatgacattt ctgagcgcgt ag 172

<210> 1582
<211> 172
<212> DNA
<213> Artificial Sequence

<400> 1582
tagtgaatat atgaaaattc acagcggtta tgatacgtat aataatggtt cctatagaca 60
tttgtcagtt cgccaaaata cagagttcgc cactaaatac ttgtcagagg gtggtacgag 120
tattcatgta caccagagtg gtagttatta ctcatatgag aacctcaagg cg 172

<210>   1583
<211>   172
<212>   DNA
<213>   Artificial Sequence

<400>   1583
ttctgttagt tgatgagtcg ttaaacaaca ctcgcatgtt cccggttgaa tattctatag 60
tcgcaccatt tcctgtccaa ccattaatag tggggtcttt cgagaaatca taattcaata 120
ctaaattatc atttgggtat tggagtgtga acctctcttt tccatcacta ct   172

<210>   1584
<211>   172
<212>   DNA
<213>   Artificial Sequence

<400>   1584
tgggaaaatt ttcaaacgca cgtacatttt ggctttgtgt acaattcccg tttcctttac 60
agcctccttt tctttcagtt caaattttga ctcaatatat tcctcatggt caaaaataaa 120
atacatagta tgcatatctg tcaaaacata tagttgaccg tctccgttga ac   172

<210>   1585
<211>   172
<212>   DNA
<213>   Artificial Sequence

<400>   1585
tattgtttta cccactccca ttctgtttga aatagaaata ggttgatcac cgttgttttt 60
tacatatata ctatgcgtgt agttttgtcc tatgatgtac tgtgttcctt taatttctaa 120
cacacctatg agattattac ttgtgttctt agttacctta taattgacag ca   172

<210>   1586
<211>   172
<212>   DNA
<213>   Artificial Sequence

<400>   1586
tttgggtatt ggagtgtgaa cctctctttt ccatcactac tccaagcgta agctgtgtgt 60
aaaaatggat tttgaccatc ctgtacgttt gcaatactca atggctttga ctctaatgcc 120
atgtttttta cctcctctaa taatctacag aacaataata tgtatataca tt   172

<210>   1587
<211>   172
<212>   DNA
<213>   Artificial Sequence

<400>   1587
taaggaggct taagcctcct tttttgtgtt ataatgatta gagagagaaa ggagaatgat 60
tcaatgaaaa ttgaaaaaca aatgcgctca ggtttaccac aagtaggggt aagaccgtat 120
ggacaaagtc acgtacacag tacggggaat tcatcatcta cagcgcaaaa cg   172

<210>   1588
<211>   172
<212>   DNA
<213>   Artificial Sequence

<400>   1588
tgggaaaatt ttcaaacgca cgtacatttt ggctttgtgt acaagtcccg tttcctttac 60
agcctccttt tctttcagtt caaattttga ctcaatatat tcctcatggt caaaaataaa 120
atacatagta tgcatatctg tcaaaacata tagttgaccg tctccgttga ac   172

<210>   1589
<211>   172
<212>   DNA
<213>   Artificial Sequence

<400> 1589
tttgggtatt ggagtgtgaa cctctctttt ccatcactac tccaagcgta agctgtgtgt 60
aaaaatggat tttgaccatc ctgtacgttt gcaatactca atggctttga ctctaatgcc 120
atgttttgta cctcctctaa taatctacag aacaataata tgtatataca tt   172

<210> 1590
<211> 172
<212> DNA
<213> Artificial Sequence

<400> 1590
tattgtttta cccactccca ttctgtttga aatagaaata ggttgatcac cgttgttttt 60
tacatatata ctatgcgtgt agttttgtcc tatgatgtac tgtgttcctt taatttctaa 120
cacacctctg agattattac ttgtgttctt agttacctta taattgacag ca   172

<210> 1591
<211> 172
<212> DNA
<213> Artificial Sequence

<400> 1591
cgccttgagg ttctcatatg agtaataact accactctgg tgtacatgaa tactcgtacc 60
accctctgac aagtatttag tggcgaactc tgtattttgg cgaactgaca aatgtctata 120
ggaaccagta ttatacgtat cataaccgct gtgaattttc atatattcac ta   172

<210> 1592
<211> 172
<212> DNA
<213> Artificial Sequence

<400> 1592
actaaagcac tgaagacaag taactcagca gactcaatac ccgtgttctc atttaactca 60
cgcgcctttt caaccactaa atcacctaat tttgtagtat ctaaattcat gtctattttc 120
ctcccttctt tggttgaaac aaccatttag aaaacattag tgacaaccct at   172

<210> 1593
<211> 172
<212> DNA
<213> Artificial Sequence

<400> 1593
ctacgcgctc agaaatgtca tcacagaacg cgtctgtaat acgtacagcc tcctcatcat 60
gaggaatgta ggcgtgacag tctgtgttgc tctgtaacat ggtaacatgg tccctaattc 120
cctcgtataa gtcagccata attaattgcc caatcacaca tgttagaaat tg   172

<210> 1594
<211> 171
<212> DNA
<213> Artificial Sequence

<400> 1594
tagggttgtc actaatgttt tctaaatggt tgtttcaacc aaataaggga ggaaaataga 60
catgaattta gatactacaa aattaggtga tttagtggtt gaaaaggcgc gtgagttaaa 120
tgagaaaacg ggtattgagt ctgctgagtt acttgtcttc agtgctttag t   171

<210> 1595
<211> 171
<212> DNA
<213> Artificial Sequence

<400> 1595
taggtggcgc ttgtttggct acaagtttta agctatcaaa ggacttagag caggttgata 60
acatcaacga taaaggagag agtcactaat gggaattttt atcagaaaca agccacacga 120
agagcgggca aatctatacc ccgtagcacc atcaccaatg gttgtggact t   171

<210>   1596
<211>   171
<212>   DNA
<213>   Artificial Sequence

<400>   1596
agtatcaaag tctttgctgt atgttccacg tgaaacatcc tcactgcgat agcgtacacc 60
gttgtgtaaa atataatggt ctcgctgaat ctgtttcttt tggtcatacc ttacaatgaa 120
gttaacagcg ttttctaaag ttgtacccgc agtctttact ttatcacgca t   171

<210>   1597
<211>   171
<212>   DNA
<213>   Artificial Sequence

<400>   1597
tccgtcagac actagtgttg gttgttcaga ttgcccacta ggtattatat ttgggttagg 60
ttcgtcattg aatgagaaac ggtctgttcc tgtttcgttg aaagcgtatg cggtacgtac 120
ctccccagtg gttggtaaag gtgtagtatg tgtatgcaat actttaccgt t   171

<210>   1598
<211>   171
<212>   DNA
<213>   Artificial Sequence

<400>   1598
tttgattggg tacaaatacc agacgactat ttaggaggta ataagcaatg agtaatatgt 60
ttgaggtagg tcacagagta gtatgtgtag acactttatg tgtagaagat atattggaaa 120
aaggtaatcg atataccatt gttggagtag gcagcctttt cgtgcaggtt g   171

<210>   1599
<211>   171
<212>   DNA
<213>   Artificial Sequence

<400>   1599
ttaactgtaa acggtaagga gtcaagagag tataaatacc acttgtggtt tttgcaaaaa 60
gtaccactat tgtataaaat tagtaggtat gtaaatactc gtatagcaat aaaacgcatt 120
gaaaacaggg ggggagaacg aaatgggcta ctttaagaat ttgttattag c   171

<210>   1600
<211>   171
<212>   DNA
<213>   Artificial Sequence

<400>   1600
ttacattacc tgaaaacatt catgtaacta taccagagat tagagaaatg tttttagacc 60
atgagtttga cctaaataaa aaaggtaagc ccgtagctaa aggaacgtat actgacccta 120
atactgggta tgttatggag tttggcgcgg gaggtgtcca cggagctgtt g   171

<210>   1601
<211>   171
<212>   DNA
<213>   Artificial Sequence

<400>   1601
tgcggtcacc tcattagtgg gcacttttgc gggtctaaca gacggaatca atgaatcaaa 60
agacgccatc aataagtttc aaggtgcatt aggtctttca caagagggcg cagaaaacta 120
cactcaattg gctaacgaac tagttgctga gggtttgggt agccttgagg a   171

<210>   1602
<211>   171
<212>   DNA
<213>   Artificial Sequence

<400>   1602
ctacttagac aaacgtaaag ttactgcgga actaaaccct gctttaacta aagataagca 60
acgcggacaa atggtatcta acagacgtca agggcgttta gcataaccta aggaggctta 120
agcctccatt tttgtgttat aatgattaga gatagaaagg agaatgattc a   171

<210>   1603
<211>   171
<212>   DNA
<213>   Artificial Sequence

<400>   1603
tgttttatct taatataacc taccgacact caaggtagca acaagataat ctttcaaact 60
atatacaatt ccctcattaa catagtcacg ttcaaaacgg tcatagtaga accattcatc 120
aataccaaca acctgcacga aaaggctgcc tactccaaca atggtatatc g   171

<210>   1604
<211>   171
<212>   DNA
<213>   Artificial Sequence

<400>   1604
cttaggttta aacgcctcag aagggctgta gtcccatgaa cccctgtaga ggtttggtct 60
agcagggtcg ttagacgtat ttgggtactg tgatacgtgc ccactattga cggtgaaacc 120
agttggcaat ttcgtacctc tgtagttttc atttagacca atttcgtctt t   171

<210>   1605
<211>   171
<212>   DNA
<213>   Artificial Sequence

<400>   1605
tggctaacga actagttgct gagggtttgg gtagccttga ggacatggtt gacgctatga 60
gtagggttga gcaaaacagc cctatccctg tattcggtga ggacctacag aaccttacac 120
gttacgcggt atcgttttca aagatgtttg atacagacgt aaatgaaacc c   171

<210>   1606
<211>   171
<212>   DNA
<213>   Artificial Sequence

<400>   1606
agggtgtcat acgttacagc acgtgtgaac aaacctcctg ttgatgataa gagtctggac 60
catttaggag cttcttgcgt gtcaatcata accccattct caagtttaaa acgcccatct 120
gggtcaaccc acgagaaccc acttaatgta atggggttgt ttgacccctc t   171

<210>   1607
<211>   171
<212>   DNA
<213>   Artificial Sequence

<400>   1607
taatataatg ttaataccaa cggaacaaca gcaaatggtc atagacaaat gggaaacaca 60
taatctaaat catagtgagg ttggctcagg caagacactc atggcattag aatcgtttaa 120
aaaatcatgg ctaaagaaac tcgtagtagt gtgccttgcg tctaaggtgt c   171

<210>   1608
<211>   171
<212>   DNA
<213>   Artificial Sequence

<400>   1608
tccgtcagac actagtgttg gttgttcaga ttgcccacta ggtcttatat ttgggttagg 60
ttcgtcattg aatgagaaac ggtctgttcc tgtttcgttg aaagcgtatg cggtacgtac 120
ctccccattg gttggtaaag gtgtagtatg tgtatgcaat actttaccgt t   171

<210>   1609
<211>   171
<212>   DNA
<213>   Artificial Sequence

<400>   1609
tgcctcacgg tctaagtctt tacctagttc accaagcgct ttgtagatgt cactaaagtc 60
tacataatta tcactcattt taccacctca tttaaaacgt cctctttaga aacctcctta 120
gcaatcacag tatcaaagtc tttgctgtat gttccacgtg aaacatcctc a   171

<210>   1610
<211>   171
<212>   DNA
<213>   Artificial Sequence

<400>   1610
gacaccttag acgcaaggca cactactacg agtttcttta gccctgattt tttaaacgat 60
tctaatgcca tgagtgtctt gcctgagcca acctcactat gatttagatt atgtgtttcc 120
catttgtata tgaccatttg ctgttgttcc gttggtatta acattatatt a   171

<210>   1611
<211>   171
<212>   DNA
<213>   Artificial Sequence

<400>   1611
gacgtagtac cgaagtctat ccgttcctca aatttaaagg ctcctgttcg taaacctgtt 60
gatggtgctt tgacaggcgt tgtaagggaa ggtcctgacc atgcgtttgg tgcgaatgtt 120
gtagccctct taggtttaaa cgcctcagaa gggctgtagt cccatgaacc c   171

<210>   1612
<211>   171
<212>   DNA
<213>   Artificial Sequence

<400>   1612
tcctgcaagc atgaacgggt caagtaaata ccgtcaagcg ggtaactatg cttttgataa 60
ctttaaatca caagttggct acgttattgc tctgaataaa gtacgtgacc gcgtgggcac 120
atctggaccg ggtattcatg acacatggac taattgggcg tcaggtggac a   171

<210>   1613
<211>   171
<212>   DNA
<213>   Artificial Sequence

<400>   1613
tgtccacctg acgcccaatt agtccatgtg tcatgaatac ccgttccaga tgtgcccacg 60
cggtcacgta ctttattcag agcaataacg tagccaactt gtgatttaaa gttatcaaaa 120
gcatagtgac ccgcttgacg gtatttactt gacccgttca tgcttgcagg a   171

<210>   1614
<211>   171
<212>   DNA
<213>   Artificial Sequence

<400>   1614
attctactag tagcttatag tctttcataa actcttcttt ggttttgtgc gattcaatca 60
attcaattgc cgcatatccc cacgagttcc atccgccacc tacgtcataa aagcccgcgt 120
ttgtgcgagc tgtttgaatt actcgcccgt tacctactac gtgcgagaag a   171

<210>   1615
<211>   171
<212>   DNA
<213>   Artificial Sequence

<400> 1615
agacgggtat gaggacgtac tctttgatgt acgtcagtct tatctgcgat taaacccacc 60
tactaaacaa ttacaagtgg atatacgagc gggcaaggtc cttcacttta acaaccctct 120
attgacaaga gccgtgtaca acgcatttac aaaagagtca aacgatttaa t   171

<210> 1616
<211> 171
<212> DNA
<213> Artificial Sequence

<400> 1616
caacaggagg tttgttcaca cgtgctgtaa cgtatgacac cctggataaa ggtaaattgg 60
cttcacttgc tgttagtgaa ttgaaaaaga aaagtcaacc tgcttttaat tatgaagtaa 120
acgtagtcaa tgtaccttct gatttaaatg taggcgatag gataaacatt g   171

<210> 1617
<211> 171
<212> DNA
<213> Artificial Sequence

<400> 1617
ttaactgtaa acggtaagga gtcaagagag tataaatacc actagtggtt tttgcaaaaa 60
gtaccactat tgtataaaat tagtaggtat gtaaatactc gtatagcaat aaaacgcatt 120
gaaaacatgg ggggagaacg aaatgggcta ctttaagaat ttgttattag c   171

<210> 1618
<211> 171
<212> DNA
<213> Artificial Sequence

<400> 1618
tatgttatgg agtttggcgc gggaggtgtc cacggagctg ttgtacagct tattcacatt 60
ggacgctttc tcatgcgtga ctacggtagt ttgtacccta atgtgtatgt gaattttgat 120
gttctttctc gtaacgtacc tgaggagaat aagcacctag tgaaagaact c   171

<210> 1619
<211> 171
<212> DNA
<213> Artificial Sequence

<400> 1619
tgctggcaag tagttggtta ataagtcatt gctataatag actattctgt tagttgatga 60
gtcgttaaac aacactcgca tgttcccgtt tgaatattct atagtcgcac catttcctgt 120
ccaaccagta atagtggggt ctttcgagaa atcataattc aatactaaat t   171

<210> 1620
<211> 171
<212> DNA
<213> Artificial Sequence

<400> 1620
tcctttgata gcttaaaact tgtagccaaa caagcgccac ctactaccat aaaacctacg 60
gttatatcta ccaaaaaggc accaatagcc ataaaaacac acgctagtat atacataatc 120
ataggtaaat atataattcg ttccatggtg aacctcctcc aattataact t   171

<210> 1621
<211> 171
<212> DNA
<213> Artificial Sequence

<400> 1621
tccgtcagac actagtgttg gttgttcaga ttgcccacta ggtcttatat ttgggttagg 60
ttcgtcattg aatgagaaac ggtctgttcc tgtttcgttg aaagcgtatg cggtacgtac 120
ctccccagtg gttggtaaag gtgtagtatg tgtatgcaat actttaccgt t   171

<210> 1622
<211> 171
<212> DNA
<213> Artificial Sequence

<400> 1622
taatataatg ttaataccaa cggaacaaca gcaaatggtc atatacaaat gggaaacaca 60
taatctaaat catagtgagg ttggctcagg caagacactc atggcattag aatcgtttaa 120
aaaatcatgg ctaaagaaac tcgtagtagt gtgccttgcg tctaaggtgt c   171

<210> 1623
<211> 171
<212> DNA
<213> Artificial Sequence

<400> 1623
tgtccacctg acgcccaatt agtccatgtg tcatgaatac ccggtccaga tgtgcccacg 60
cggtcacgta ctttattcag agcaataacg tagccaactt gtgatttaaa gttatcaaaa 120
gcatagtgac ccgcttgacg gtatttactt gacccgttca tgcttgcagg a   171

<210> 1624
<211> 171
<212> DNA
<213> Artificial Sequence

<400> 1624
tgctggctag tagttggtta ataagtcatt gctataatag actcttctgt tagttgatga 60
gtcgttaaac aacactcgca tgttcccgtt tgaatattct atagtcgcac catttcctgt 120
ccaaccagta atagtggggt ctttcgagaa atcataattc aatactaaat t   171

<210> 1625
<211> 171
<212> DNA
<213> Artificial Sequence

<400> 1625
atgtgtgatt gggcaattaa ttatggctga cttctacgag ggacttaggg accatgttac 60
catgttacag agcaacacag actgtcacgc ctacattcct catgatgagg aggctgaacg 120
tattacatac gcgttctgtg atgacatttc tgagcgcgta ggtattgtat t   171

<210> 1626
<211> 171
<212> DNA
<213> Artificial Sequence

<400> 1626
attctactag tagcttatag tctttcataa actcttcttt ggtattgtgc gattcaatca 60
attcaattgc cgcatatccc cacgagttcc atccgccacc tacgtcataa aagcccgcgt 120
ttgtgcgagc tgtttgaatt actcgcccgt tacctactac gtgcgagaag a   171

<210> 1627
<211> 171
<212> DNA
<213> Artificial Sequence

<400> 1627
gctaataaca aattcttaaa gtagcccatt tcgttctccc cccctgtttt caatgcgttt 60
tattgctata cgagtattta catacctact aattttatac aatagtggta ctttttgcaa 120
aaaccactag tggtatttat actctcttga ctccttaccg tttacagtta a   171

<210> 1628
<211> 170
<212> DNA
<213> Artificial Sequence

<400>   1628
ctgtataggc tactgatgtt gtaccatcag tgtactccca cgttgtacgt gtccataggt 60
atttaccttt ttctagagtt gggatggttg tactccatcc tgatgtaggt tcatcaacgc 120
ttgaggtctt gattgcccac tctgttttag ttgatttgac agtggcgcca   170

<210>   1629
<211>   170
<212>   DNA
<213>   Artificial Sequence

<400>   1629
cgtatcattg aatgttttcg acttacaagc gggtggagca tagagtgctg ttttaggtat 60
taccgcagac gaaaatggta ttatgacagt ggggcaggac actcaagctc cttatgtctc 120
tgttactttt gtatcagatg acgcagatgg taatgaggta tatatgggac   170

<210>   1630
<211>   170
<212>   DNA
<213>   Artificial Sequence

<400>   1630
tttagagcta ttacccatgt tagatgacgc cgtgtctagg tcttgtgcta agaaccatga 60
gttaatacca tcaacaagaa acgcatattt acttacagat tgattaactg ttttacgttc 120
ttttactgtg tatgttttac cttttacaaa gtttggcact ggttgacccg   170

<210>   1631
<211>   170
<212>   DNA
<213>   Artificial Sequence

<400>   1631
gagcgggaac gaatgccaat gaatgaggac aactttatca aactgcaatt aaccatggag 60
cgtattgacg cacgtttaga ggacgtgaga gagattaaaa aagagctgtc tggtgcccgt 120
caacaaatcg cggacctaga caaacgtctt tcgcagtcaa ttgaccatgt   170

<210>   1632
<211>   170
<212>   DNA
<213>   Artificial Sequence

<400>   1632
ttgaaagcgt atttctactc cttacccaca accacatacc aaattgaggt gttggacgtg 60
ttgtactcca tcctgaggta ggttctacag aactagttgt ttgtacatac tctgattgag 120
taccagtcac actaatacca tcctgaccaa agcgcgccac tgagtaggtt   170

<210>   1633
<211>   170
<212>   DNA
<213>   Artificial Sequence

<400>   1633
tcaaagtcac ttgcaaatag cggaatcatt agttctccat caccgtcaca gtgcaataga 60
ggtgtacggt attggtagtc aataaaaatg gtgtctgttt ccttatctac atatgcaaaa 120
caacccgcgt actcatcata tacgtccgaa tatttacctc ttaaaatagt   170

<210>   1634
<211>   170
<212>   DNA
<213>   Artificial Sequence

<400>   1634
ttggtatgtg gttgtgggta aggagtagaa atacgctttc aattggtacg tatacaaatt 60
gggtagtaac tagctcatac acgggtagag actcaatttt tattagtgct acagctccaa 120
gtaacccaac tacagggaca ttatggcaaa aacctaatga ccctactgtg   170

<210>   1635
<211>   170
<212>   DNA
<213>   Artificial Sequence

<400>   1635
tgatggagaa ctaatgattc cgctatttgc aagtgacttt gagtatgttg ttaatgagag 60
acatgagggg taaagaggag aggtcaccat gaatatttta ctagaagaaa ctgtggcatt 120
taatttggga ctgagagacg ccatctttat tagggtgtca gaacttacaa   170

<210>   1636
<211>   170
<212>   DNA
<213>   Artificial Sequence

<400>   1636
tagtgatgga aaagagaggt tcacactcca atacccaaat gataatttag tattgaatta 60
tgatttctcg aaagacccca ctattaatgg ttggacagga aatggtgcga ctatagaata 120
ttcaaactgg aacatgcgag tgttgtttaa cgactcatca actaacagaa   170

<210>   1637
<211>   170
<212>   DNA
<213>   Artificial Sequence

<400>   1637
atttatacgt tgaaggtgtg tcaccttgtt ttattgtttg ccatgtactg agagcgtcaa 60
aattacctac cctaattaac ccattattgt tgctgaatgc gtctattgtg acggaatatt 120
taactccagc tggcaagtag ttggttaata agtcattgct ataatagact   170

<210>   1638
<211>   170
<212>   DNA
<213>   Artificial Sequence

<400>   1638
cgggtcaacc agtgccaaac tttgtaaaag gtaaaacata caaagtaaaa gaacgtaaaa 60
cagttaatca atctgtaagt aaatatgcgt ttcttgttga tggtattaac tcatggttct 120
tagcacacga cctagacacg gcgtcatcta acatgggtaa tagctctaaa   170

<210>   1639
<211>   170
<212>   DNA
<213>   Artificial Sequence

<400>   1639
gagcgggaac gaatgccaat gaatgaggac aactttatca aaatgcaatt aaccatggag 60
cgtattgacg cacgtttaga ggacgtgaga gagattaaaa aagagctgtc tggtgcccgt 120
caacaaaacg cggacctaga caaacgtctt tcgcagtcaa ttgaccatgt   170

<210>   1640
<211>   170
<212>   DNA
<213>   Artificial Sequence

<400>   1640
gagcgggaac gaatgccaat gaatgaggac aactttatca aactgcaatt aaccatggag 60
cgtattgacg cacgtttaga ggacgtgaga gagattaaaa aagagctgtc tggtgcccgt 120
caacaaaacg cggacctaga caaacgtctt tcgcagtcaa ttgaccatgt   170

<210>   1641
<211>   170
<212>   DNA
<213>   Artificial Sequence

<400> 1641
cgggtcaacc agtgccaaac tttgtaaaag gtaaaacata cacagtaaaa gaacgtaaaa 60
cagttaatca atctgtaagt aaatatgcgt ttcttgttga tggtattaac tcatggttct 120
tagcacacga cctagacacg gcgtcatcta acatgggtaa tagctctaaa   170

<210> 1642
<211> 170
<212> DNA
<213> Artificial Sequence

<400> 1642
cgtatcattg aatgttttcg acttacaagc gggtggagca tagagtgctg ttttaggtat 60
taccgcagac gaaaatggta ttatgacagt ggggcaggac actcaagctc cttatgtctc 120
tgttactatt gtatcagatg acgcagatgg taatgaggta tatatgggac   170

<210> 1643
<211> 169
<212> DNA
<213> Artificial Sequence

<400> 1643
cccttgcata agcgagggtt ttattatata ctagtgaacg aggggatga aattaatgaa 60
cactattttc acaccaacta agcaacaaaa agagaacgcg cgtaccatgt ttgaactttg 120
gaaaacatta gaaggtaacg ccatgagtta tgaccccatg acaggggga   169

<210> 1644
<211> 169
<212> DNA
<213> Artificial Sequence

<400> 1644
gtaggtacct caggtacaac agcaccatcc acaggttggc aagcaacacc accaaatgta 60
acaggtggtc aatacctatg gacacgtatt atctggacat ttacagataa tagtaaccaa 120
acaacctcct cagtggcgcg ctttggtcag gatggtatta gtgtgactg   169

<210> 1645
<211> 169
<212> DNA
<213> Artificial Sequence

<400> 1645
tggtgagcct atgattttgg tcattagaat agactttcca tgtcctccgt tgcgtgtacc 60
gcgtgagaca acaatttgag catgaacagc ctcaggtttg ttctcataga cgcatgaccc 120
tatgaactca cataatgctt tttcacttag tgggtcagta aagaagttg   169

<210> 1646
<211> 169
<212> DNA
<213> Artificial Sequence

<400> 1646
tctgttgttg ctagactacc agtccacccc ttagagatga agacactccc tgatacagtg 60
tacgttgtac cgcgcaaagc actgtagcca tttgataggt atgcaggacg tattgttgac 120
actgctgttt tagttaattt agtggctcct gctgttggtg tagccgtta   169

<210> 1647
<211> 169
<212> DNA
<213> Artificial Sequence

<400> 1647
atgcaaacaa cggtttagac ctaatggagg cagtacagca atatgagaaa gtacgcgctg 60
agggaatgcg tttacaggag caagaaatag aaaagaaagt gactatacgc gtggatgggg 120
accaggatga agttgaggat gagtttgtta ttgttaagat tgctaaaaa   169

<210>   1648
<211>   169
<212>   DNA
<213>   Artificial Sequence

<400>   1648
gctgacgtat accatcaatc gttctacatg gtatagggtc tctgtgtgtc tctttctcaa 60
ttaatacttt ctctgtaggt gtcaattcgt tttcaggtag ttcgtacaag actgccccaa 120
ttggtaaagg tgtcgtctcg ttgtttacta actcatatgt tttcaaact   169

<210>   1649
<211>   169
<212>   DNA
<213>   Artificial Sequence

<400>   1649
tgaaaccatg tagggttgtt gtgttgggta gtaggttata ttttgttatt attgtacaca 60
ttcaaaaacc gtgtacactt tttgtacaaa cctgttttac gccttgtgta tcaatgtttc 120
aaccctgatt taaccattgt agtgttgtgg gatgacctca gctcttata   169

<210>   1650
<211>   169
<212>   DNA
<213>   Artificial Sequence

<400>   1650
gttgcctgac tgtaaatagc gtaagtatta caataaatga cgagcatgcc agcgtctagt 60
tttgaaattg gtagctgttt aagttgtgga acaaggtcct cgtaaatcaa ccacccttcc 120
ttagtaattc cctcaggaat atcgtctaat gaaagttgtt cataattat   169

<210>   1651
<211>   169
<212>   DNA
<213>   Artificial Sequence

<400>   1651
aaaattgagt ctctacccgt gtatgagcta gttactaccc actttgtata cgtaccattt 60
gaaagcgtat ttctactcct tacccacaac cacataccaa tttgaggtgt tggacgtgtt 120
gtactccatc ctgaggtagg ttctacagaa ctagttgttt gtacatact   169

<210>   1652
<211>   169
<212>   DNA
<213>   Artificial Sequence

<400>   1652
atggaaagtc tattctaatg accaaaatca taggctcacc agtgtttgga aaaatgtaca 60
cagaactccc atctaaccgc gcatttaaca caaaaggtga gtttaatagt gcgttactag 120
ttgacaaaca gttgattttc attgatgaat tgaaccctta taatttaga   169

<210>   1653
<211>   169
<212>   DNA
<213>   Artificial Sequence

<400>   1653
ttctatcgtt gaaatatccc tctttaaatt gagggttacc tatgacaagt tcgtatacct 60
tgtccccaac tttacctaag aacgtaccta ctttattatc actatcacca cttttaaact 120
cttgcgcttg tgggtaaatg acagagtata gtagaaattc acgtacatt   169

<210>   1654
<211>   169
<212>   DNA
<213>   Artificial Sequence

<400>   1654
tgaaaccatg tagggttgtt gtgttgggta gtaggttata tattgttatt attgtacaca 60
ttcaaaaacc gtgtacactt tttgtacaaa cctgttttac gccttgtgta tcaatgtttc 120
aaccctgttt taaccattgt agtgttgtgg gatgacctca gctcttata   169

<210>   1655
<211>   169
<212>   DNA
<213>   Artificial Sequence

<400>   1655
ataatagatt agaaagggga actgacatat gaaaaatatt acctggcgcg tgaggtttag 60
caaggacaat atcttattct gggtacgatt catcattggt gtaattactc ccgctttagc 120
atacttagcg ctagaacctc aggacctaag cacatggcaa ggtttaacg   169

<210>   1656
<211>   169
<212>   DNA
<213>   Artificial Sequence

<400>   1656
cctgatgtgt ctactgagat gagagacgca ctaaacaacg accatgagaa agctgagttt 60
attagatggt gtgtacagga gtatgctgaa ctattgaaac gcagagagga cgttaccgca 120
gacgagtttg tgtggacgct atctgatgag gctaaggaaa tgcgtgagg   169

<210>   1657
<211>   169
<212>   DNA
<213>   Artificial Sequence

<400>   1657
cagtcacact aataccatcc tgaccaaagc gcgccactga gtaggttgtt tggttactct 60
tatcggtaaa tgtccagata atacgtgtcc atagggattg accacctgtt acatttggtg 120
gtgttgcgtg ccaacctgtg gttggtgcgg ttgtacctga ggtacctac   169

<210>   1658
<211>   169
<212>   DNA
<213>   Artificial Sequence

<400>   1658
tattgattgc tttattttgg gtagttatac tagcagaata ccgcacccag ttgtctgtac 60
ttgtgtttgt gattgagact tttccatctt cgcgcgtact atcatagtag gtaacacgca 120
caattaagtc tgttgttgct agactaccag tccacccctt agagatgaa   169

<210>   1659
<211>   169
<212>   DNA
<213>   Artificial Sequence

<400>   1659
ttgaaaacac agaccgtatt ttaattgatt tagaaaacga catgcgtgag caaggtgttg 60
atgaccgaac actcacatta tatgctaact atgcaatgct acaggtggca caacttctaa 120
aacttgggta tgttagtata gacgagttta ttgaaaaggc tagagagga   169

<210>   1660
<211>   169
<212>   DNA
<213>   Artificial Sequence

<400>   1660
gcaacgtcag ggtgagcaaa gcgaacttta gtcagtccca tctatacctc attaccatct 60
gcgtcatctg atacaaaagt aacagagaca taaggagctt gagtgtcctg ccccactgtc 120
ataataccat tttcgtctgc ggtaatacct aaaacagcac tatatgctc   169

<210>   1661
<211>   169
<212>   DNA
<213>   Artificial Sequence

<400>   1661
tacgtttggt tgaataatgt atcgtccgtc tgcgtctttc atcgtatcca attgagcaaa 60
tgcgctttga gaaacaaaaa ctcgttgatt gtaagcaggg tcaattgtta cgtttgacgc 120
tgttttcaat tgatcaagag aagttacttc tgttgcttcg aacttagct   169

<210>   1662
<211>   169
<212>   DNA
<213>   Artificial Sequence

<400>   1662
ttagtttgtc aagtgtatta cctagttcag cggttccgtc attacctaaa ccaaacttca 60
tatttcctac tggttttccg ctttgcacca tgtgttaatc agctcctttt ttctctagct 120
tttcaagttc ctcaggactt aagaaacgct taataaagtc agcgccatc   169

<210>   1663
<211>   169
<212>   DNA
<213>   Artificial Sequence

<400>   1663
gaacatgcga gtgttgttta acgactcatc aactaacaga atagtctatt atagcaatga 60
cttattaacc aactacttgc cagcaggagt taaatattcc gtcacaatag acgcattcag 120
caacaatcat gggttaatta gggtaggtaa ttttgacgct ctcagtaca   169

<210>   1664
<211>   169
<212>   DNA
<213>   Artificial Sequence

<400>   1664
cagcaacaac aaacaaacgc actgttacaa gcattactag acaaggacac ggacgtctac 60
ttagacaaac gtaaagttac tgcggaacta aaccctgctt taactaaaga taagcaacgc 120
ggacaaatgg tatctaacag acgtcaaggg cgtttagcat aacctaagg   169

<210>   1665
<211>   169
<212>   DNA
<213>   Artificial Sequence

<400>   1665
ccttaggtta tgctaaacgc ccttgacgtc tgttagatac cctttgtccg cgttgcttat 60
ctttagttaa agcagggttt agttccgcag taactttacg tttgtctaag tagacgtccg 120
tgtccttttc tagtaatgct tgtaacagtg cgtttgtttg ttgttgctg   169

<210>   1666
<211>   169
<212>   DNA
<213>   Artificial Sequence

<400>   1666
gcaacgtcag ggtgagcaaa gcgaacttta gtcagtccca tatatacctc attaccatct 60
gcgtcatctg atacaaaagt aacagagaca taaggagctt gagtgtcctg ccccactgtc 120
ataatacaat tttcgtctgc ggtaatacct aaaacagcac tatatgctc   169

<210>   1667
<211>   169
<212>   DNA
<213>   Artificial Sequence

<400>   1667
cctgatgtgt ctactgagat gagagacgca ctaaacaacg aacatgagaa agctgagttt 60
attagatggt gtgtacagga gtatgctgaa ctattgaaac gcagagagga cgttaccgca 120
gacgagtgtg tgtggacgct atctgatgag gctaaggaaa tgcgtgagg   169

<210>   1668
<211>   169
<212>   DNA
<213>   Artificial Sequence

<400>   1668
tacgtttggt tgaataatgt atcgtccgtc tgcgtctttc aacgtatcca attgagcaaa 60
tgcgctttga gaaacaaaaa ctcgttgatt gtaagcaggg tcaattgtta cgtttgacgc 120
tgttttctat tgatcaagag aagttacttc tgttgcttcg aacttagct   169

<210>   1669
<211>   169
<212>   DNA
<213>   Artificial Sequence

<400>   1669
taatattttt catatgtcag ttccccttcc taatctatta tctcatatat ttaaccagtg 60
atgaatgcca aaattgcacc cactacacca gtgataattg ctcctacggt tgttctagta 120
agccatgtgt tacgtgattc tagctctttg atgtcgtcct ctagtttgt   169

<210>   1670
<211>   169
<212>   DNA
<213>   Artificial Sequence

<400>   1670
ctagttacaa gtcatacggt ctgttaccta agggcgtcac gtttgaaaca accaaacgtc 60
aaacgggtca aaagattatt aaaaacaacc aatggtatta tgtaactaag aactcaggta 120
agaaaatccc tgcctcagga tgggtcagtg gatattacct acaaaacac   169

<210>   1671
<211>   169
<212>   DNA
<213>   Artificial Sequence

<400>   1671
tgtactgaga gcgtcaaaat tacctaccct aattaaccca tgattgttgc tgaatgcgtc 60
tattgtgacg gaatatttaa ctcctgctgg caagtagttg gttaataagt cattgctata 120
atagactctt ctgttagttg atgagtcgtt aaacaacact cgcatgttc   169

<210>   1672
<211>   169
<212>   DNA
<213>   Artificial Sequence

<400>   1672
aatgtacgtg aatttctact atactctgtc atttacccac acgcgcaaga gtttaaaagt 60
ggtgatagtg ataataaagt aggtacgttc ttaggtaaag ttggggacaa ggtatacgaa 120
cttgtcatag gtaaccctca atttaaagag ggatatttca acgatagaa   169

<210>   1673
<211>   169
<212>   DNA
<213>   Artificial Sequence

<400>   1673
gagcatatag tgctgtttta ggtattaccg cagacgaaaa ttgtattatg acagtggggc 60
aggacactca agctccttat gtctctgtta cttttgtatc agatgacgca gatggtaatg 120
aggtatagat gggactgact aaagttcgct ttgctcaccc tgacgttgc   169

<210> 1674
<211> 169
<212> DNA
<213> Artificial Sequence

<400> 1674
ttagtttgtc aagtgtatta cctagttcag cggttccgtc attacctaaa ccaaacttca 60
tatttcctac tggttttccg ctttgcacca tgtgttaatc agctcctttt ttctctagct 120
tttcaaggtc ctcaggactt aagaaacgct taataaagtc agcgccatc 169

<210> 1675
<211> 169
<212> DNA
<213> Artificial Sequence

<400> 1675
gtaggtacct caggtacaac agcaccatcc acaggttggc acgcaacacc accaaatgta 60
acaggtggtc aatacctatg gacacgtatt atctggacat ttacagataa tagtaaccaa 120
acaacctcct cagtggcgcg ctttggtcag gatggtatta gtgtgactg 169

<210> 1676
<211> 169
<212> DNA
<213> Artificial Sequence

<400> 1676
ccttaggtta tgctaaacgc ccttgacgtc tgttagatac cctttgtccg cgttgcttat 60
ctttagttaa agcagggttt agttccgcag taactttacg tttgtctaag tagacgtccg 120
tgtccttgtc tagtaatgct tgtaacagtg cgtttgtttg ttgttgctg 169

<210> 1677
<211> 169
<212> DNA
<213> Artificial Sequence

<400> 1677
cctcacgcat ttccttagcc tcatcagata gcgtccacac acactcgtct gcggtaacgt 60
cctctctgcg tttcaatagt tcagcatact cctgtacaca ccatctaata aactcagctt 120
tctcatggtc gttgtttagt gcgtctctca tctcagtaga cacatcagg 169

<210> 1678
<211> 169
<212> DNA
<213> Artificial Sequence

<400> 1678
tgaaaccatg tagggttgtt gtgttgggta gtaggttata tattgttatt attgtacaca 60
ttcaaaaacc gtgtacactt tttgtacaaa cctgttttac gccttgtgta tcaatgtttc 120
aaccctgatt taaccattgt agtgttgtgg gatgacctca gctcttata 169

<210> 1679
<211> 169
<212> DNA
<213> Artificial Sequence

<400> 1679
gttgcctgac tgtaaatagc gtaagtatta caataaatga cgagcatgcc agcgtctagt 60
tttgaaattg gtagctgttt aagttgtgga acaaggtcct cgtaaatcaa ccacccttcc 120
ttagtaagtc cctcaggaat atcgtctaat gaaagttgtt cataattat 169

<210> 1680
<211> 169
<212> DNA
<213> Artificial Sequence

<400>   1680
gtgttttgta ggtaatatcc actgacccat cctgaggcag ggattttctt acctgagttc 60
ttagttacat aataccattg gttgttttta ataatctttt gacccgtttg acgtttggtt 120
gtttcaatcg tgacgccctt aggtaacaga ccgtatgact tgtaactag   169

<210>   1681
<211>   169
<212>   DNA
<213>   Artificial Sequence

<400>   1681
tacgtttggt tgaataatgt atcgtccgtc tgcgtctttc atcgtatcca attgagcaaa 60
tgcgctttga gaaacaaaaa ctcgttgatt gtaagcaggg tcaattgtta cgtttgacgc 120
tgttttctat tgatcaagag aagttacttc tgttgcttcg aacttagct   169

<210>   1682
<211>   168
<212>   DNA
<213>   Artificial Sequence

<400>   1682
aatgggaaac acataatcta aatcatagtg aggttggctc aggcaagaca ctcatggcat 60
tagaatcgtt taaaaaatca gggctaaaga aactcgtagt agtgtgcctt gcgtctaagg 120
tgtctgagtg ggcttctgag gggtctaaac aaggtttagg tataatta   168

<210>   1683
<211>   168
<212>   DNA
<213>   Artificial Sequence

<400>   1683
ctttaaccat tgttttcctc cttaatattc aacactaaca ctgtagtacg gttgtattac 60
tacattcacg ggcacagagc ttagtagcat aatctgaaaa acctctcctg tttgcatacg 120
ttcaataaca aactctgggg aacccttata tgtgtaagag cgtccgtt   168

<210>   1684
<211>   168
<212>   DNA
<213>   Artificial Sequence

<400>   1684
tccccagagt ttgttattga acgtatgcaa acaggagagg attttcagat tatgctacta 60
agctctgtgc ccgtgaatgt agtaatacaa ccgtactaca ttgttagtgt tgaatattaa 120
ggaggaaaac aatggttaaa gttaatgaac taaaagtcgg agatgttt   168

<210>   1685
<211>   168
<212>   DNA
<213>   Artificial Sequence

<400>   1685
agtttcttct agtatgtctt ttagacggtc tgtcttgctg attttagcta ctttacttac 60
atatggtata aaaccattag acgcaaccct aagtgcgtta aacagcttgc tagggttatc 120
taattcaatt atgtcacctg agtctgtttc atatactcta tgtgtgcg   168

<210>   1686
<211>   168
<212>   DNA
<213>   Artificial Sequence

<400>   1686
taattaaatc atgaatttcc agctttgagt tacctaatga aacgcgcgaa tctgttagac 60
gcaaacctgt actactatac tctgcaccgt agccattgcc accagagttt gggttggaac 120
tgaatgtgtg tagatttagt gcgtcagggt ctagatataa ttgattgt   168

<210>   1687
<211>   168
<212>   DNA
<213>   Artificial Sequence

<400>   1687
cgcatatgat agtctgcctc gttttgcgct gtagatgatg aattccccgt actgtgtacg 60
tgaatttgtc catacggtct tacccctact tgtggtaaac ctgagcgcat ttgtttttca 120
attttcagtg aatcattctc ctttctatct ctaatcatta taacacaa   168

<210>   1688
<211>   168
<212>   DNA
<213>   Artificial Sequence

<400>   1688
taattaaatc atgaatttcc agctttgagt tacctaatga cacgcgcgaa tctgttagac 60
gcaaacctgt actactatac tctgcaccgt agccattgcc accagagttt gggttggaac 120
tgaatgtttg tagatttagt gcgtcagggt ctagatataa ttgattgt   168

<210>   1689
<211>   168
<212>   DNA
<213>   Artificial Sequence

<400>   1689
tcccgtcctg acggtcagtg tgattgggag gatatgttaa cttgggtttt ggcgtttatt 60
gagacaaaca atttagacgt acaaggtatt tgttatgacc ctgcacagtc tcaattaatt 120
accacaagac tagcagacgg gtatgaggac gtactctttg atgtacgt   168

<210>   1690
<211>   168
<212>   DNA
<213>   Artificial Sequence

<400>   1690
tgaatcattc tcctttctat ctctaatcat tataacacaa taaaggaggc ttaagcctcc 60
ttaggttatg ctaaacgccc ttgacgtctg ttagatacca tttgtccgcg ttgcttatct 120
ttagttaaag cagggtttag ttccgcagta actttacgtt tgtctaag   168

<210>   1691
<211>   168
<212>   DNA
<213>   Artificial Sequence

<400>   1691
cctctcctgt ttgcatacgt tcaataacaa actctgggga ccccttatat gtgtaagagc 60
gtccgttgac catgcagatg gtaatggtac gggtctcatt gctttcatta ataacaggtg 120
tcatataatc atctaccttt ttcacgtttc caaatactca ttactgtt   168

<210>   1692
<211>   168
<212>   DNA
<213>   Artificial Sequence

<400>   1692
tgtactgaga gcgtcaaaat tacctaccct aattaaccca gtattgttgc tgaatgcgtc 60
tattgtgacg gaatatttaa ctcctgctgg caagtagttg gttaataagt cattgctata 120
atagactctt ctgttagttg atgagtcgtt aaacaacact cgcatgtt   168

<210>   1693
<211>   168
<212>   DNA
<213>   Artificial Sequence

<400>   1693
ctttaaccat tgttttcctc cttaatattc aacactaaca atgtagtacg gttgtattac 60
tacattcacg ggcacagagc ttagtagcat aatctgaaaa acctctcctg tttgcatacg 120
ttcaatacca aactctgggg aacccttata tgtgtaagag cgtccgtt   168

<210>   1694
<211>   168
<212>   DNA
<213>   Artificial Sequence

<400>   1694
tgtactgaga gcgtcaaaat tacctaccct aattaaccca gtattgttgc tgaatgcgtc 60
tattgtgacg gaatatttaa ctcctgctgg caagtagttg gttaataagt cattgctata 120
atagactatt ctgttagttg atgagtcgtt aaacaacact cgcatgtt   168

<210>   1695
<211>   168
<212>   DNA
<213>   Artificial Sequence

<400>   1695
cgcacacata gagtatatga aacagactca ggtgacataa gtgaattaga taaccctagc 60
aagctgttta acgcacttag ggttgcgtct aatggtttta taccatatgt aagtaaagta 120
gctaaaaaca gcaagacaga ccgtctaaaa gacatactag aagaaact   168

<210>   1696
<211>   168
<212>   DNA
<213>   Artificial Sequence

<400>   1696
taattatacc taaaccttgt ttagacccct cagaagccca ctcagacacc ttagacgcaa 60
ggcacactac tacgagtttc tttagccctg atttttttaaa cgattctaat gccatgagtg 120
tcttgccaga gccaacctca ctatgattta gattatgtgt ttcccatt   168

<210>   1697
<211>   168
<212>   DNA
<213>   Artificial Sequence

<400>   1697
tgtactgaga gcgtcaaaat tacctaccct aattaaccca atattgttgc tgaatgcgtc 60
tattgtgacg gaatatttaa ctcctgctgg caagtagttg gttaataagt cattgctata 120
atagactatt ctgttagttg atgagtcgtt aaacaacact cgcatgtt   168

<210>   1698
<211>   168
<212>   DNA
<213>   Artificial Sequence

<400>   1698
tgtactgaga gcgtcaaaat tacctaccct aattaaccca atattgttgc tgaatgcgtc 60
tattgtgacg gaatatttaa ctcctgctgg caagtagttg gttaataagt cattgctata 120
atagactctt ctgttagttg atgagtcgtt aaacaacact cgcatgtt   168

<210>   1699
<211>   168
<212>   DNA
<213>   Artificial Sequence

<400>   1699
cgcacacata gagtatatga aacagactca ggtgacataa gtgaattaga taaccctagc 60
aagctgttta acgcacttag ggttgcgtct aatggtttta taccatatgt aagtaaagta 120
gctaaaatca gcaagacaga ccgtctaaaa gacatactag aagaaact   168

<210>   1700
<211>   168
<212>   DNA
<213>   Artificial Sequence

<400>   1700
taattaaatc atgaatttcc agctttgagt tacctaatga cacgcgcgaa tctgttagac 60
gcaaacctgt actactatac tctgcaccgt agccattgcc accagagttt gggttggaac 120
tgaatgtgtg tagatttagt gcgtcagggt ctagatataa ttgattgt   168

<210>   1701
<211>   168
<212>   DNA
<213>   Artificial Sequence

<400>   1701
tcccttgttc gtcaagataa ccgtattcag atacctcttg agttgcctga ctgtaaatag 60
cgtaagtatt acaataaatg actagcatgc cagcgtctag ttttgaaatt ggtagctgtt 120
taagttgagg aacaaggtcc tcgtaaatca accacccttc cttagtaa   168

<210>   1702
<211>   168
<212>   DNA
<213>   Artificial Sequence

<400>   1702
aacggacgct cttacacata taagggttcc ccagagtttg gtattgaacg tatgcaaaca 60
ggagaggttt ttcagattat gctactaagc tctgtgcccg tgaatgtagt aatacaaccg 120
tactacagtg ttagtgttga atattaagga ggaaaacaat ggttaaag   168

<210>   1703
<211>   167
<212>   DNA
<213>   Artificial Sequence

<400>   1703
tgttagtata gacgagttta ttgaaaaggc tagagaggac ttataggagg taactgctta 60
tgaaacttgt aaatatgact aagaaaacta tacctacaga agataactta ctccattcaa 120
tatgggtacg cgaatatggt gggtttttcc taccatctaa tttaatg   167

<210>   1704
<211>   167
<212>   DNA
<213>   Artificial Sequence

<400>   1704
gttttgtagg taatatccac tgacccatcc tgaggcaggt attttcttac ctgagttctt 60
agttacataa taccattggt tgtttttaat aatcttttga cccgtttgac gtttggttgt 120
ttcaatcgtg acgcccttag gtaacagacc gtatgacttg taactag   167

<210>   1705
<211>   167
<212>   DNA
<213>   Artificial Sequence

<400>   1705
cattaaatta gatggtagga aaaacccacc atattcgcgg acccatattg aatggagtaa 60
gttatcttct gtaggtatag ttttcttagt catatttaca agtttcataa gcagttacct 120
cctataattc ctctctagcc ttttcaataa actcgtctat actaaca   167

<210>   1706
<211>   167
<212>   DNA
<213>   Artificial Sequence

<400>   1706
tttaatgtct ttagcaaact gctctttact aattccccat ttacgcaagt atggataggg 60
gtcaatatgg tcagaaccat tgtttggttg atgtgccgtt gcatatgcgt gagaaatgac 120
acctgtagtc ccttggtcta gcgtcttagg tagtcccgct tcatcac   167

<210>   1707
<211>   167
<212>   DNA
<213>   Artificial Sequence

<400>   1707
atggtacaat cgtgtacatt tgtaccaaaa atgtctcaat cccttgtccc ccaacgctta 60
aaaaaccgta caccaccctt tgttatttta ttatttttgt tatttaatta ttatcatcaa 120
aatgtacccc aacaaggtgt ccccatcaag ttacccccttg cgctgac   167

<210>   1708
<211>   167
<212>   DNA
<213>   Artificial Sequence

<400>   1708
tgctagtacc ttatcaggat atgcgagaat gatatgtgat gagttaaatc ttaaattaaa 60
tattgacgtg gaactagact ttgctagttt attaaacgat acattagacg aacgcaaaaa 120
acgaatgatt gagggtacag ccaaaggcat tgagtatctt aaaccta   167

<210>   1709
<211>   167
<212>   DNA
<213>   Artificial Sequence

<400>   1709
agagtatgta caaacaacta gttctgtaga acctacctca ggatggagta caacacgtcc 60
aacacctcaa attggtatgt ggttgtgggt aaggagtaga aatacgcttt caaatggtac 120
gtatacacat tgggtagtaa ctagctcata cacgggtaga gactcaa   167

<210>   1710
<211>   167
<212>   DNA
<213>   Artificial Sequence

<400>   1710
tatatatggg tcaatatagt aactatactc aagaacctag cacggaccca agtaagtaca 60
cgtggatgag aacaacggga caaaatggcg cctctgtcaa atcaactaaa acagagtggg 120
caatcaagac ctcaagcgtt gatgaaccta catcaggatg gagtaca   167

<210>   1711
<211>   167
<212>   DNA
<213>   Artificial Sequence

<400>   1711
aaccatctga ggcgtcacgt actttaaata catcattacg agcacccgca aagtgtccgc 60
caaagcgcgc gtcatattca gccttaccct tttcattcac cttaatgcgt gtagccgtaa 120
tttgttgttt aaatacctct ggttctaaat tataagggtt caattca   167

<210>   1712
<211>   167
<212>   DNA
<213>   Artificial Sequence

<400>   1712
ctctcattgg gatatattgt tttacccact cccattctga ttgaaataga aataggttta 60
tcaccgttgt tttttacata tatactatgc gtgtagtttt gtcctatgat gtactgtgtt 120
cctttaattt ctaacacacc tatgagatta ttacttgtgt tcttagt   167

<210>   1713
<211>   167
<212>   DNA
<213>   Artificial Sequence

<400>   1713
gttttcatca ttagtagcct ccttattttg attgtttgtt tcacgtgaaa cattaatacg 60
tgagcctgtc attctagaaa actgactctc gtctgtttca ggataaccat agtaggcgcg 120
tacctcggta ggtttaagat actcaatgcc tttggctgta ccctcaa   167

<210>   1714
<211>   167
<212>   DNA
<213>   Artificial Sequence

<400>   1714
gtcagcgcaa ggggtaactt gatggggaca ccttgttggt gtacattttg atgataataa 60
ttaaataaca aaaataataa aataacaaag ggtggtgtac ggtttttttaa gcgttggggg 120
acaagggttt gagacatttt tggtacaaat gtacacgatt gtaccat   167

<210>   1715
<211>   167
<212>   DNA
<213>   Artificial Sequence

<400>   1715
tgtactgaga gcgtcaatat tacctaccct aaataaccct tttttgttgc tgaatgcgaa 60
ttttgtgacg gaatttttaa ctcctgctgg gaagtagttg gttaataagt cattgctata 120
atagactatt ctgttagttg atgagtcgtt aaacaacact cgcatgt   167

<210>   1716
<211>   167
<212>   DNA
<213>   Artificial Sequence

<400>   1716
aaccatctga ggcgtcacgt actttaaata catcattact agcacccgca aagtgtccgc 60
caaagcgcgc gtcatattca gccttaccct tttcattcac cttaatgcgt gtagccgtaa 120
tttgttgatt aaatacctct ggttctaaat tataagggtt caattca   167

<210>   1717
<211>   167
<212>   DNA
<213>   Artificial Sequence

<400>   1717
tgaacgaagt aacgttacca atgtatgtgt tagtaaatgg ggtaaaattg cctattaata 60
cattgtttgg tgccacaggt gcagagtgta atgggttata tgacccacgt tttcaatttc 120
tatcatgggt gattgggcaa ttaattatgg ctgacttcta cgaggga   167

<210>   1718
<211>   167
<212>   DNA
<213>   Artificial Sequence

<400>   1718
ttgagtctct acccgtgtat gagctagtta ctacccaatt tgtatacgta ccatttgaaa 60
gcgtatttct actccttacc cacaaccaca taccaatttg aggtgttgga cgtgttgtac 120
tccatccaga ggtaggttct acagaactag ttgtttgtac atactct   167

<210>   1719
<211>   167
<212>   DNA
<213>   Artificial Sequence

<400>   1719
acaccattac cggttgagcc atctacagga atatagttca ctgtataggc tactgatgtt 60
gtaccatcag tgtactccca cgttgtacgt gtccataggt atttaccttt ttctagagtt 120
gggatgggtg tactccatcc tgatgtaggt tcatcaacgc ttgaggt   167

<210>   1720
<211>   167
<212>   DNA
<213>   Artificial Sequence

<400>   1720
actaagaaca caagtaataa tctcataggt gtgttagaac ttaaaggaac acagtacatc 60
ataggacaaa actacacgca tagtatatat gtaaaaaaca acggtgataa acctatttct 120
atttcaaaca gaatgggagt gggtaaaaca atatatccca atgagag   167

<210>   1721
<211>   167
<212>   DNA
<213>   Artificial Sequence

<400>   1721
tttaatgtct ttagcaaact gctctttact aattccccag ttacgcaagt atggataggg 60
gtcaatatgg tcagaaccat tgtttggttg atgtgccgtt gcatatgcgt gagaaatgac 120
acctgtattc ccttggtcta gcgtcttagg tagtcccgct tcatcac   167

<210>   1722
<211>   167
<212>   DNA
<213>   Artificial Sequence

<400>   1722
tgtactgaga gcgtcaaaat tacctaccct aattaaccct ttattgttgc tgaatgcgtc 60
tattgtgacg gaatatttaa ctcctgctgg caagtagttg gttaataagt cattgctata 120
atagactctt ctgttagttg atgagtcgtt aaacaacact cgcatgt   167

<210>   1723
<211>   167
<212>   DNA
<213>   Artificial Sequence

<400>   1723
ttgagtctct acccgtgtat gagctagtta ctacccaatg tgtatacgta ccatttgaaa 60
gcgtatttct actccttacc cacaaccaca taccaatttg aggtgttgga cgtgttgtac 120
tccatccaga ggtaggttct acagaactag ttgtttgtac atactct   167

<210>   1724
<211>   167
<212>   DNA
<213>   Artificial Sequence

<400>   1724
ctctcattgg gatatattgt tttacccact cccattctga ttgaaataga aataggttta 60
tcaccgttgt tttttacata tatactatgc gtgtagtttt gtcctatgat gtactgtgtt 120
cctttaagtt ctaacacacc tatgagatta ttacttgtgt tcttagt   167

<210>   1725
<211>   167
<212>   DNA
<213>   Artificial Sequence

<400>   1725
tttaatgtct ttagcaaact gctctttact aattccccag ttacgcaagt atggataggg 60
gtcaatatgg tcagaaccat tgtttggttg atgtgccgtt gcatatgcgt gagaaatgac 120
acctgtagtc ccttggtcta gcgtcttagg tagtcccgct tcatcac   167

<210>   1726
<211>   167
<212>   DNA
<213>   Artificial Sequence

<400>   1726
gtcagcgcaa ggggtaactt gatggggaca ccttgttggt gtacattttg atgataataa 60
ttaaataaca aaaataataa aataacaaag ggtggtgtac ggtttttaa gcgttggggg 120
acaagggatt gagacatttt tggtacaaat gtacacgatt gtaccat   167

<210>   1727
<211>   167
<212>   DNA
<213>   Artificial Sequence

<400>   1727
aaccatctga ggcgtcacgt actttaaata catcattacg agcacccgca aagtgtccgc 60
caaagcgcgc gtcatattca gccttaccct tttcattcac cttaatgcgt gtagccgtaa 120
tttgttgatt aaatacctct ggttctaaat tataagggtt caattca   167

<210>   1728
<211>   167
<212>   DNA
<213>   Artificial Sequence

<400>   1728
tgttagtata gacgagttta ttgaaaaggc tagagaggac ttataggagg taactgctta 60
tgaaacttgt aaatatgact aagaaaacta tacctacaga agataactta ctccattcaa 120
tatgggtccg cgaatatggt gggtttttcc taccatctaa tttaatg   167

<210>   1729
<211>   166
<212>   DNA
<213>   Artificial Sequence

<400>   1729
ttaatagcaa cgctgtgttc tttgagtagc tcatttaagt cctcagtgtt tctatatccc 60
acaatcgcat tataagaccg tccacctaaa tactgtttct cttctataca gtagcgttct 120
ctaaaagatt tccacgttcc agagtataaa cctgcgattt tcaatt   166

<210>   1730
<211>   166
<212>   DNA
<213>   Artificial Sequence

<400>   1730
ttatacacaa tatctgatgg gatgagtttg ttgtcacgtt taatagcaac gctgtgttct 60
ttgagtagct catttaagtc ctcagtgttt ctatatccca caatcgcatt ataagaccgt 120
ccacctaaat actgtttctc ttctatacag tagcgttctc taaaag   166

<210>   1731
<211>   166
<212>   DNA
<213>   Artificial Sequence

<400>   1731
ggttcaaata gcaggtgcgt ttaaacccat aaaccaactt agcgcaggtc aatatgtcat 60
taaccaacct ctaccagttt gggctagacc attgaataac gtaacactca ttcatcaagg 120
ttctggactg aacaggctac tactagaagt gcgcaaggat ggtgca   166

<210>   1732
<211>   166
<212>   DNA
<213>   Artificial Sequence

<400>   1732
ttctgttagt tgatgagtcg ttaaacaaca ctcgcatggt cccgtttgaa tattctatag 60
tcgcaccatt tcctgtccaa ccattaatag tggggtcttt cgagaaatca taattcaata 120
ctaaattatc atttgggtat tggagtgtga acctctcttt tccatc   166

<210>   1733
<211>   166
<212>   DNA
<213>   Artificial Sequence

<400>   1733
ctagagtcca tttttgagaa gtcgtttagc atactttgag taacatcagc ctgtgtcgct 60
ttgccgtctt tgaatgcttg aaaaacgtct cttgttttct gagaaaacat atccatgttg 120
tcatctatcc gtccgtcaac aatagagata ccaatttctt ttacta   166

<210>   1734
<211>   166
<212>   DNA
<213>   Artificial Sequence

<400>   1734
gtcagtacca atttcactat atgatagact attgtagtgt cctgaaaata gtttgtccat 60
ttcatagtaa atattttgcg cctctgatag tgtcttacac catacatcta cctgtatggt 120
tatctccatc attagggggt tattacttgc ataagagtcg tgagta   166

<210>   1735
<211>   166
<212>   DNA
<213>   Artificial Sequence

<400>   1735
taaagactgt acctgttacc aattatggaa cgtggaaaag ttacccaatc tttgaaatca 60
ccaacgcaga agaaaacggt atgattgctg ttatgaacga aaacggtaaa gtcctacagt 120
ttggcaagga agaaaacaaa gacgctacag agccaattaa agacga   166

<210>   1736
<211>   166
<212>   DNA
<213>   Artificial Sequence

<400>   1736
gtctaaaacg ttcaatctcc ttaactgaga aagctattga ggcacaaaag cgcgctattg 60
aaatgagttc tcaggagttc ggtgaaaact ctaaagaagt tgaggaggct agaatctccc 120
tatctaactt agagtcacag gctaaattat caagtaaagc tcttaa   166

<210>   1737
<211>   166
<212>   DNA
<213>   Artificial Sequence

<400>   1737
ttagagtcac aggctaaatt atcaagtaaa gctcttaact caatggagaa cgctagtgat 60
ggacttagtg acatcaaagg tggagcagac gaggctacag atggggtagg tggactatta 120
gatggtgtaa tgtctctaaa aggtggcgcg gtaatcggtg cggtca   166

<210>   1738
<211>   166
<212>   DNA
<213>   Artificial Sequence

<400>   1738
cagagtttgt tattgaacgt atgcaaacag gagaggtttt tcagattatg ctactaagct 60
ctgtgcccgt gaatgtagta atacaaccgt actacattgt tagtgttgaa tattaaggag 120
gaaaacactg gttaaagtta atgaactaaa agtcggagat gtttta   166

<210>   1739
<211>   166
<212>   DNA
<213>   Artificial Sequence

<400>   1739
agaacatgta atttgtaaat gtgcagatgg tggctcatat agttttaagt gtccagagcg 60
tttgtttgat tatgcaaaaa cctatatgaa agagtatcat aatgtagagt tgcattatga 120
tactaagtca gaagatattt ttgttataag aaatgatatg ttccta   166

<210>   1740
<211>   166
<212>   DNA
<213>   Artificial Sequence

<400>   1740
gtcagtacca atttcactat atgatagact attgtagttt cctgaaaata gtttgtccat 60
ttcatagtaa atattttgcg cctctgatag tgtcttacac catacatcta cctgtatggt 120
tatctccctc attagggggt tattacttgc ataagagtcg tgagta   166

<210>   1741
<211>   166
<212>   DNA
<213>   Artificial Sequence

<400>   1741
tgaacaggct actactagaa gtgcgcaagg atggtgcact tctagtaagt aggtatggta 60
ctacagtaga tagtgcgatt ccgtcaggcg catggataaa catctcttgc gtatatgcgg 120
gtcaagattt attctaaggg ggataattat gttagagcaa tttaaa   166

<210>   1742
<211>   166
<212>   DNA
<213>   Artificial Sequence

<400>   1742
taagtccatc actagcgttc tccattgatt taagagcttt acttgataat ttagcctgtg 60
actctaattt agatagggag attctagcct cctcaacttc tttagagttt tcaccgaact 120
cctgagacct catttcaata gcgcgctttt gtgcctcaat agcttt   166

<210>   1743
<211>   166
<212>   DNA
<213>   Artificial Sequence

<400>   1743
gtttgaaaca accaaacgtc aaacgggtca aaagattaat aaaaacaacc aatggtatta 60
tgtaactaag aactcaggta agaaaatacc tgcctcagga tgggtcagtg gatattacct 120
acaaaacact aaacgtgtgg aacacaagaa gaaagagacc tactct   166

<210>   1744
<211>   166
<212>   DNA
<213>   Artificial Sequence

<400>   1744
tcttctcgca cgtagtaggt aacgggcgag taattcaatc agcacgcaca aacgcgggct 60
tttatgacgt aggtggcgga tggaactcgt ggggatatgc ggcaattgaa ttgattgaat 120
cgcacaaaac caaagaagag tttatgaaag actataagct actagt   166

<210>   1745
<211>   166
<212>   DNA
<213>   Artificial Sequence

<400> 1745
tcgtctttaa ttggctctgt agcgtctttg ttttcttcat tgccaaactg taggacttta 60
ccgttttcgt tcataacagc aatcataccg ttttcttctg cgttggtgat ttcaaagatt 120
gggtaacatt tccacgttcc ataattggta acaggtacag tcttta 166

<210> 1746
<211> 166
<212> DNA
<213> Artificial Sequence

<400> 1746
taagtccatc actagcgttc tccattgatt taagagctgt acttgataat ttagcctgtg 60
actctaattt agatagggag attctagcct cctcaacttc tttagagttt tcaccgaact 120
cctgagaact catttcaata gcgcgctttt gtgcctcaat agcttt 166

<210> 1747
<211> 166
<212> DNA
<213> Artificial Sequence

<400> 1747
tagggttatc taattcaatt atgtcacctg agtctgtttc atatactcta tgtgtgcgta 60
gtttcttaac cattgatggt gacttgactt tatacacaat atctgatggg atgagtttgt 120
tgtcacgatt aatagcaacg ctgtgttctt tgagtagctc atttaa 166

<210> 1748
<211> 166
<212> DNA
<213> Artificial Sequence

<400> 1748
catattaatg tctatagcca tccgtgactc tgacgcaaaa ggcaatgaag tgattgttga 60
atactggtac ggtaacaagt tactaaaatc tatccagaca gacgtaacta agtacaaatc 120
atcttggttc cgctgtacaa tgacacgtga ccaaacgggt aagaag 166

<210> 1749
<211> 166
<212> DNA
<213> Artificial Sequence

<400> 1749
cacaaaacaa atagctaaag tgtttggtat acctttaatt cgttttggta tggagttagt 60
aaactcacaa gacggaacac aaaactctat ttacattgct agtaccttat caggatatgc 120
gagaatgata tgtgatgagt taaatcttaa attaaatatt gacgtg 166

<210> 1750
<211> 166
<212> DNA
<213> Artificial Sequence

<400> 1750
ccgcttgcgt aacgttctga ccagtttatt tcctcgaact cataaaagta tgcttcactg 60
tacgcgttta taagcgcgtc aagagggtca atcttgttgc ggttaacttg tttatcaatc 120
ataattacat cgtttgactc ttttgtaaat gcgttgtaca cggctc 166

<210> 1751
<211> 166
<212> DNA
<213> Artificial Sequence

<400> 1751
cacgtcaata tttaatttaa gatttaactc atcacataac attctcgcat atcctgataa 60
ggtactagca atgtaaatag agttttgtgt tccgtcttgt gagtttacta actccatacc 120
aaaacgattt aaaggtatac caaacacttt agctatttgt tttgtg 166

<210>   1752
<211>   166
<212>   DNA
<213>   Artificial Sequence

<400>   1752
cagagtttgt tattgaacgt atgcaaacag gagaggttat tcagattatg ctactaagct 60
ctgtgcccgt gaatgtagta atacaaccgt actacattgt tagtgttgaa tattaaggag 120
gaaaacaatg gttaaagtta atgaactaaa agtcggagat gtttta   166

<210>   1753
<211>   166
<212>   DNA
<213>   Artificial Sequence

<400>   1753
ggcgtacaca gacgaggagt ttgacatcac agggcgtgta gtatttattg gtatagacct 60
agcacgagta aatgacttga ccgctgttac gtgggttatt cctatccctg aaaaagaatt 120
gtttattgtt gactctcacg cgtgggtagc aacaacgggt ggtggt   166

<210>   1754
<211>   166
<212>   DNA
<213>   Artificial Sequence

<400>   1754
taggaacata tcatttctta taacaaaaat atcttctgtc ttagtatcat aatgcaactc 60
tacattatga tactctttca tataggtttt tgcataatca aacaaacgct ctggacactt 120
aaaactaaat gagccaccat ctgcacattt acaaattaca tgttct   166

<210>   1755
<211>   166
<212>   DNA
<213>   Artificial Sequence

<400>   1755
actagcggat aacttagcgg agtatgctcc tatttgggca caaatgggat atacagcaga 60
tgaggcattt agtacaatgc ttgcgggtct tgacggtgga gcatataacc ttgataaggt 120
gaacgacata gtaaaagaaa ttggtatctc tattgttgac ggacgg   166

<210>   1756
<211>   166
<212>   DNA
<213>   Artificial Sequence

<400>   1756
agaacatgta atttgtaaat gtgcagatgg tggctcatat agttttaagt gtccagagcg 60
tttgtttgat tatgcaaaaa cctatatgaa agagtatcat aatgtagagt tgcattatga 120
tactaagaca gaagatattt ttgttataag aaatgatatg ttccta   166

<210>   1757
<211>   166
<212>   DNA
<213>   Artificial Sequence

<400>   1757
tactcacgac tcttatgcaa gtaataaccc cctaatgagg gagataacca tacaggtaga 60
tgtatggtgt aagacactat cagaggcgca aaatatttac tatgaaatgg acaaactatt 120
ttcaggacac tacaatagtc tatcatatag tgaaattggt actgac   166

<210>   1758
<211>   166
<212>   DNA
<213>   Artificial Sequence

<400> 1758
cacaaaacaa atagctaaag tgtttggtat acctttaatt cgttttggta tggagttagt 60
aaactcacaa gacggaacac aaaactctat ttacattgct agtaccttat caggatatgc 120
gagaatgtta tgtgatgagt taaatcttaa attaaatatt gacgtg   166

<210> 1759
<211> 166
<212> DNA
<213> Artificial Sequence

<400> 1759
taaagactgt acctgttacc aattatggaa cgtggaaatg ttacccaatc tttgaaatca 60
ccaacgcaga agaaaacggt atgattgctg ttatgaacga aaacggtaaa gtcctacagt 120
ttggcaagga agaaaacaaa gacgctacag agccaattaa agacga   166

<210> 1760
<211> 166
<212> DNA
<213> Artificial Sequence

<400> 1760
taaaacatct ccgactttta gttcattaac tttaaccagt gttttcctcc ttaatattca 60
acactaacaa tgtagtacgg ttgtattact acattcacgg gcacagagct tagtagcata 120
atctgaataa cctctcctgt ttgcatacgt tcaataacaa actctg   166

<210> 1761
<211> 166
<212> DNA
<213> Artificial Sequence

<400> 1761
taagtccatc actagcgttc tccattgatt taagagctgt acttgataat ttagcctgtg 60
actctaattt agatagggag attctagcct cctcaacttc tttagagttt tcaccgaact 120
cctgagacct catttcaata gcgcgctttt gtgcctcaat agcttt   166

<210> 1762
<211> 166
<212> DNA
<213> Artificial Sequence

<400> 1762
actagtagct tatagtcttt cataaactct tctttggtat tgtgcgattc aatcaattca 60
attgccgcat atccccacga gttccatccg ccacctacgt cataaaagcc cgcgtttgtg 120
cgtgctgatt gaattactcg cccgttacct actacgtgcg agaaga   166

<210> 1763
<211> 166
<212> DNA
<213> Artificial Sequence

<400> 1763
agagtaggtc tctttcttct tgtgttccac acgtttaggg ttttgtaggt aatatccact 60
gacccatcct gaggcaggta ttttcttacc tgagttctta gttacataat accattggtt 120
gtttttatta atcttttgac ccgtttgacg tttggttgtt tcaaac   166

<210> 1764
<211> 165
<212> DNA
<213> Artificial Sequence

<400> 1764
aacttctact aataactcat agttattcat cttcgttttc ctcctcatct aacatactaa 60
gttcttcgcg taagaacttg acaacccctt ctaatagctc aattgtttcc tctttgttta 120
ggttctctcc ttccccctct attgctcccg ttgccttacc tgtgt   165

<210>   1765
<211>   165
<212>   DNA
<213>   Artificial Sequence

<400>   1765
ttcactgttg aacgtaacag cgtaaccctc aacaatcatg tcctcatttt cctcaagtgc 60
tctaatctca atgctacgcg tctccgtttt catcattagt agcctcctta ttttgattgt 120
ttgtttctcg tgaaacatta atacgtgagc ctgtcattct agaaa   165

<210>   1766
<211>   165
<212>   DNA
<213>   Artificial Sequence

<400>   1766
ctatagaacg caagacacca ttttacccat tcatgtaaaa gagacacctg tgacgctacc 60
agagattgag aaaaatagac tatggcaagc ggtcaacttc tttactgacc cactaagtga 120
aaaagcagta tgtgagttca tagggtcatg cgtctatgag aacaa   165

<210>   1767
<211>   165
<212>   DNA
<213>   Artificial Sequence

<400>   1767
cgtttgtcta agtagacgtc cgtgtccttt tctagtactg cttgtaacag tgcgtttgtt 60
tgttgttgct gtacaatcaa ttgagcaatt agctcatcat tagaaccctg accagctacc 120
acggttgttt gtgatacacc taaccgcttt tgtgcctcag ctagt   165

<210>   1768
<211>   165
<212>   DNA
<213>   Artificial Sequence

<400>   1768
caaggcgtca taggtctcat actaaaggat gaactacagg agttagaaac tatttttcac 60
ttgatagaca cgggacacat tagcacgtat aaattgccaa aattaccaga gattaaaaca 120
tatgactgat ttgaggagga tgaatagaat ggaactaaca ttaca   165

<210>   1769
<211>   165
<212>   DNA
<213>   Artificial Sequence

<400>   1769
agtcaacatc cgtctctttg acttctaacc ccatgaaccc ctcatgttct ttcagtgaaa 60
acccttttgtg ttcatggtac aggtcacaac ctagaatagg agttttcttc gtgttaaaga 120
gtttataaat aagtcctcta tcatctgact taataacagc ctgtg   165

<210>   1770
<211>   165
<212>   DNA
<213>   Artificial Sequence

<400>   1770
agcactacac gttgggagga atcagcgtgt agtgcttatt agggagaaaa acaatgtata 60
ataagtatac acatattata ccatattatt ttataaaaag ggatgtaaaa agttgtttac 120
aagtgctcca ttctgtggta ttattagaat ataattagaa aagga   165

<210>   1771
<211>   165
<212>   DNA
<213>   Artificial Sequence

<400>   1771
cgtttgtcta agtagacgtc cgtgtccttt tctagtaatg cttgtaacag tgcgtttgtt 60
tgttgttgct gtacaatcaa ttgagcaatt agctcatcat tagaaccctg accagctacc 120
acggttgatt gtgatacacc taaccgcttt tgtgcctcag ctagt   165

<210>   1772
<211>   165
<212>   DNA
<213>   Artificial Sequence

<400>   1772
ttgttctcat agacgcatga ccctatgaac tcacataatg ctttttcact tagtgggtca 60
gtaaagaagt tgaccgcttg ccatagtcta tttttctcaa tctctggtag cgtcacaggt 120
gtctcttgta catgaatggg taaaatggtg tcttgcgttc tatag   165

<210>   1773
<211>   165
<212>   DNA
<213>   Artificial Sequence

<400>   1773
gacgctctta cacatataag ggttccccag agtttgttat tgaacgtatg caaacaggag 60
aggtttttca gattatgcta ctaagctctg tgcccgtgaa tgtagtaata caaccgtact 120
acattgtgag tgttgaatat taaggaggaa aacaatggtt aaagt   165

<210>   1774
<211>   165
<212>   DNA
<213>   Artificial Sequence

<400>   1774
taacataatt atccccctta gaataaatct tgacccgcat atacgcaaga gatgtttatc 60
catgcgcctg acggaatcgc actatctact gtagtaccat acctacttac tagaattgca 120
ccatcctagc gcacttctag tagtagcctg ttcattccag aacct   165

<210>   1775
<211>   165
<212>   DNA
<213>   Artificial Sequence

<400>   1775
cacaggctgt tattaagtca gatgatagag gacttatgta taaactcttt aacacgaaga 60
aaactcctat tctaggttgt gacctgtacc atgaacacaa agggttttca ctgaaagaac 120
atgagggttt catggggtta gaagtcaaag agacggatgt tgact   165

<210>   1776
<211>   165
<212>   DNA
<213>   Artificial Sequence

<400>   1776
tttgtgcctt cttgtctaat ctaatctgtg tattgactgt actactccct attttctcac 60
tagtataaaa cactaacgta tcatctaaat catatacgtc aatcatatcc tcgttatact 120
caaaatcttg taatgttagt tccattctat tcatcctcct caaat   165

<210>   1777
<211>   165
<212>   DNA
<213>   Artificial Sequence

<400>   1777
actttaacca ttgttttcct ccttaatatt caacactaac aatgtagtac ggttgtatta 60
ctacattcac gggcacagag cttagtagca taatctgaaa aacctctcct gtttgcatac 120
gttcaatcac aaactctggg gaacccttat atgtgtaaga gcgtc   165

<210>   1778
<211>   165
<212>   DNA
<213>   Artificial Sequence

<400>   1778
tgttccacaa cttaaacagc taccaatttc aaaactatac gctggcatgc tagtcattta 60
ttgtaatact tacgctattt acagtcaggc aactcaagag gtatctgaat acggttatct 120
tgacgaaaaa gggaaaccat caggcgcctt taaggttatg aatga   165

<210>   1779
<211>   165
<212>   DNA
<213>   Artificial Sequence

<400>   1779
aacaatcatg tcatcatcca cattaataat gtaacccctg ttagaaacgc tgtacatatc 60
aaaaggctcg tccatgggtt caaaccgttc atgtttcgta ttaacgtttc tcatactttg 120
taccaccatt gacagtcgta agctcagtaa ttgacttact ttgtg   165

<210>   1780
<211>   165
<212>   DNA
<213>   Artificial Sequence

<400>   1780
cgtttgtcta agtagacgtc cgtgtccttt tctagtactg cttgtaacag tgcgtttgtt 60
tgttgttgct gtacaatcaa ttgagcaatt agctcatcat tagaaccctg accagctacc 120
acggttgatt gtgatacacc taaccgcttt tgtgcctcag ctagt   165

<210>   1781
<211>   165
<212>   DNA
<213>   Artificial Sequence

<400>   1781
gtaggtagaa cggttcaaat agcaggtgcg tttaaaccca taaaccaact tagcgcaggt 60
caatatgtca ttaaccaacc tctaccagtt tgggctagac cattgaataa cgtaacactc 120
attcatctag gttctggaat gaacaggcta ctactagaag tgcgc   165

<210>   1782
<211>   165
<212>   DNA
<213>   Artificial Sequence

<400>   1782
actttaacca ttgttttcct ccttaatatt caacactcac aatgtagtac ggttgtatta 60
ctacattcac gggcacagag cttagtagca taatctgaaa aacctctcct gtttgcatac 120
gttcaatcac aaactctggg gaacccttat atgtgtaaga gcgtc   165

<210>   1783
<211>   165
<212>   DNA
<213>   Artificial Sequence

<400>   1783
ttgttctcat agacgcatga ccctatgaac tcacatactg ctttttcact tagtgggtca 60
gtaaagaagt tgaccgcttg ccatagtcta tttttctcaa tctctggtag cgtcacaggt 120
gtctcttgta catgaatggg taaaatggtg tcttgcgttc tatag   165

<210>   1784
<211>   165
<212>   DNA
<213>   Artificial Sequence

<400>   1784
tcattcataa ccttaaaggc gcctgatggt ttcccttgtt cgtcaagata accgtattca 60
gatacctctt gagttgcctg actgtaaata gcgtaagtat tacaataaat gactagcatg 120
ccagcgtata gttttgaaat tggtagctgt ttaagttgtg gaaca   165

<210>   1785
<211>   165
<212>   DNA
<213>   Artificial Sequence

<400>   1785
cacaggctgt tattaagtca gatgatagag gacttatgta taaactcttt aacacgaaga 60
aaactcctat tctaggttgt gacctgtacc atgaacacaa agggttttca ctgaaagaac 120
atgaggggtt catggggtta gaagtcaaag agacggatgt tgact   165

<210>   1786
<211>   165
<212>   DNA
<213>   Artificial Sequence

<400>   1786
acacaggtaa ggcaacggga gcaatagagg gggaaggaga gaacctaaac aaagaggaaa 60
caattgagct attagaaggg gttgtcaagt tcttacgcga agaacttagt atgttagatg 120
aggaggacaa cgaagatgaa taactatgag ttattagtag aagtt   165

<210>   1787
<211>   164
<212>   DNA
<213>   Artificial Sequence

<400>   1787
tctagtagta gcctgttcat tccagaacct tgatgaatga gtgttacgtt attcaatggt 60
ctagcccaaa ctggtagagg ttggttaatg acatattgac ctgcgctaag ttggtttatg 120
ggtttaatcg cacctgctat ttgaaccgtt ctacctactc gcgt   164

<210>   1788
<211>   164
<212>   DNA
<213>   Artificial Sequence

<400>   1788
tctagtagta gcctgttcat tccagaacct tgatgactga gtgttacgtt attcaatggt 60
ctagcccaaa ctggtagagg ttggttaatg acatattgac ctgcgctaag ttggtttatg 120
ggtttaaacg cacctgctat ttgaaccgtt ctacctactc gcgt   164

<210>   1789
<211>   164
<212>   DNA
<213>   Artificial Sequence

<400>   1789
cgtttacagg agcaagaaat agaaaagaaa gtgactctac gcgtggatgg ggaacaggat 60
gaagttgagg atgagtttgt tattgttaag attgctaaaa atgatttagg taaccttgat 120
gttgcgtatg agctagtata acaacgtttt acacataaat ggta   164

<210>   1790
<211>   164
<212>   DNA
<213>   Artificial Sequence

<400>   1790
ttggcgtatg aagtatgagg aatgtcttat ttttgccaat gatatttttg aggagtgtga 60
gtttgctgaa cacttacagg gtgttgaacg cgttatagaa gttgtgtggt tggtgctatg 120
ataaaaatgg gtttagagtg cattgtgaca ccgtgggata gtga   164

<210>   1791
<211>   164
<212>   DNA
<213>   Artificial Sequence

<400>   1791
tgctccctat catgagcaca atggctgata ctattgaaaa ctttacaaaa gacatcttac 60
caaaagtagg gcaatattta ggtgaggtgt ttggtaagtt acaaccaata ctggaaccgg 120
ttggcgagta tattaaaacc atcacggagt tattatggaa tatg   164

<210>   1792
<211>   164
<212>   DNA
<213>   Artificial Sequence

<400>   1792
attgccttaa tacgcgaacg tttaccctca ttgtacatat agtccctcat gtcctctttt 60
accattttac gcgttattct acttctatca tctgtgttgt atctgtttgc tagaagaata 120
ccgtccgaga agagtttcaa ttcaacaagg tcaccctcat tacc   164

<210>   1793
<211>   164
<212>   DNA
<213>   Artificial Sequence

<400>   1793
gtaattcttt agtaagacaa tatccctctg tttttccatc tgtacataaa tataattgtg 60
ggaaacccca cgcgctccat tcactaaaac caattacacg cacaaccgta ccatctttaa 120
agttacactc actatcccac ggtgtcacaa tgcactctaa accc   164

<210>   1794
<211>   164
<212>   DNA
<213>   Artificial Sequence

<400>   1794
ttttaccttt tacaaagttt ggcactggtt gacccggttg gtatttagtt gctttggcgc 60
gtacttttac tttactacct acagggaaat cacgtgtgtc tgtgattttt ggtttagacg 120
gttgtggttt tggtttaggt ttgttgtcag tattggaact attt   164

<210>   1795
<211>   164
<212>   DNA
<213>   Artificial Sequence

<400>   1795
aatttagtat tgaattatga tttctcgaaa gacccctcta ttaatggttg gacaggaaat 60
ggtgcgacta tagaatattc aaacgggaac atgcgagtgt tgtttaacga ctcatcaact 120
aacagaatag tctattatag caatgactta ttaaccaact actt   164

<210>   1796
<211>   164
<212>   DNA
<213>   Artificial Sequence

<400>   1796
gaagagtttc aattcaacaa ggtcaccctc attaccagtg tgctcaaata gtccactatt 60
aaaggctaaa tcaataacag gtgttttact acgtactagt tcctcacgca tttccttagc 120
ctcatcagat agcgtccaca caaactcgtc tgcggtaacg tcct   164

<210>   1797
<211>   164
<212>   DNA
<213>   Artificial Sequence

<400> 1797
cgtttacagg agcaagaaat agaaaagaaa gtgactatac gcgtggatgg ggaacaggat 60
gaagttgagg atgagtttgt tattgttaag attgctaaaa atgatttagg taaccttgat 120
gttgcgtctg agctagtata acaacgtttt acacataaat ggta   164

<210> 1798
<211> 164
<212> DNA
<213> Artificial Sequence

<400> 1798
tccatgattt gtttaccata ctgattatag aactcgctta cctgtttgaa aatgctaccg 60
aacgcactaa aaatcgtgtc tagtatgggt tttaataatg gataaacctt ttcaaacatg 120
atggcgcaca tattccataa taactccgtg atggttttaa tata   164

<210> 1799
<211> 164
<212> DNA
<213> Artificial Sequence

<400> 1799
cgtttacagg agcaagaaat agaaaagaaa gtgactctac gcgtggatgg ggaacaggat 60
gaagttgagg atgagtttgt tattgttaag attgctaaaa atgatttagg taaccttgat 120
gttgcgtctg agctagtata acaacgtttt acacataaat ggta   164

<210> 1800
<211> 164
<212> DNA
<213> Artificial Sequence

<400> 1800
tctagtagta gcctgttcat tccagaacct tgatgactga gtgttacgtt attcaatggt 60
ctagcccaaa ctggtagagg ttggttaatg acatattgac ctgcgctaag ttggtttatg 120
ggtttaatcg cacctgctat ttgaaccgtt ctacctactc gcgt   164

<210> 1801
<211> 164
<212> DNA
<213> Artificial Sequence

<400> 1801
aagtagttgg ttaataagtc attgctataa tagactcttc tgttagttga tgagtcgtta 60
aacaacactc gcatgttccc gtttgaatat tctatagtcg caccatttcc tgtccaacca 120
ttaatagagg ggtctttcga gaaatcataa ttcaatacta aatt   164

<210> 1802
<211> 164
<212> DNA
<213> Artificial Sequence

<400> 1802
aaatagttcc aatactgaca acaaacctaa accaaaccca caaccgtcta aaccaaaaat 60
cacagacaca cgtgatttcc ctgtaggtag taaagtaaaa gtacgcgcca aagcaactaa 120
ataccaaccg ggtcaaccag tgccaaactt tgtaaaaggt aaaa   164

<210> 1803
<211> 163
<212> DNA
<213> Artificial Sequence

<400> 1803
ttaatgaaca ctattttcac accaactaag caacaaaaag agaacgcgcg taccatgttt 60
gaactttgga aaacattaga aggtaacgcc atgagttatg accccatgac agggggaata 120
aaagaggttg ttgttacaga gaacattgaa acacaatcta aaa   163

<210> 1804
<211> 163
<212> DNA
<213> Artificial Sequence

<400> 1804
agcatgccag cgtctagttt tgaaattggt agctgtttaa gttgtggaac aaggtcctcg 60
taaatcaacc acccttcctt agtaagtccc tcaggaatat cgtctaatga aagttgttca 120
taattatata actcttgttc ttcttgctcg cgctcaatac gct   163

<210> 1805
<211> 163
<212> DNA
<213> Artificial Sequence

<400> 1805
ggtagcacca tgtttatctt tcaaactata ttcaagtccc tcattaacat agtcacgttc 60
aaaacggtca tagtagaacc attcatcaat accatcaacc tgcacgaaaa ggctgcctac 120
tccaacaatg gtatatcgtt tacctttttc caatatatct tct   163

<210> 1806
<211> 163
<212> DNA
<213> Artificial Sequence

<400> 1806
gagtggcttt tttatggtat aattaataaa gaaaccagtg taaggggggt ttttaaaata 60
gaattttatt ttactgatag ggaatttaac cctataggaa ttgcgtccac agatggagca 120
ggactcatta aaatgtcaga tgaccatgag ataatcaact atg   163

<210> 1807
<211> 163
<212> DNA
<213> Artificial Sequence

<400> 1807
tggcgtagat atgacgcctc aaacgtatta gacacctcat ggacagcaac aggaaaaaca 60
atcacagtaa atgcaggaca atcaaatgta tatacatatt attgttctgt agattattag 120
aggaggtaaa aaacatggca ttagagtcaa agccattgag tat   163

<210> 1808
<211> 163
<212> DNA
<213> Artificial Sequence

<400> 1808
cactacctcc cttgtggcta ctgagtcttt atacttgagt agccatctag atgttttaac 60
aacggaagct ttgtttgcta caggtgcatt gtaggtaaat gggttttttg taactggttt 120
aattccggtg tttgattgga tatgctcaaa gttccaagtg aac   163

<210> 1809
<211> 163
<212> DNA
<213> Artificial Sequence

<400> 1809
atgtgatgac ctgcgtcaat ttcaaattat tactaaaaca ggttggacgt ttgacaagac 60
tgtatacgtt gatagtgatg gtaatgaaca tgacgcacag aaagtaaacc gtgtgtttgc 120
tgtgaaaacg ggtgataaag ctgttaactt attcaaagta aaa   163

<210> 1810
<211> 163
<212> DNA
<213> Artificial Sequence

<400>   1810
ttaatcgcat ataagactga cgtacatcaa agagtacgtc ctcatacccg tctgctagtc 60
ttgtggtaat taattgagac tgtgcagggt cataacaaag accttgtacg tctaaattgt 120
ttgtctcaat aaacgccaaa acccaattta acatatcctc cca   163

<210>   1811
<211>   163
<212>   DNA
<213>   Artificial Sequence

<400>   1811
ggtagcacca tgtttatctt tcaaactata ttcaattccc tcattaacat agtcacgttc 60
aaaacggtca tagtagaacc attcatcaat accatcaacc tgcacgaaaa ggctgcctac 120
tccaacactg gtatatcgtt tacctttttc caatatatct tct   163

<210>   1812
<211>   163
<212>   DNA
<213>   Artificial Sequence

<400>   1812
gagtggcttt tttatggtat aattaataaa gaaacaagtg taaggggggt ttttaaaata 60
gaattttatt ttactgatag ggaatttaac cctataggaa ttgcgtccac agatggagca 120
ggactcaata aaatgtcaga tgaccatgag ataatcaact atg   163

<210>   1813
<211>   163
<212>   DNA
<213>   Artificial Sequence

<400>   1813
gcgagtgttg tttaacgact catcaactaa cagaagagtc tattatagca atgacttatt 60
aaccaactac ttgccagcag gagttaaata ttccgtcaca atagacgcat tcagcaacaa 120
taatggggta attagggtag gtaattttga cgctctcagt aca   163

<210>   1814
<211>   163
<212>   DNA
<213>   Artificial Sequence

<400>   1814
atactcaatg gctttgactc taatgccatg tttttgacct cctctcatac tctacagaac 60
aataatatgt atatacattt gattgtcctg catttactgt gattgttttt catgttgctg 120
tccatgatgt gtctaatacg tttgaggcgt catatctacg cca   163

<210>   1815
<211>   163
<212>   DNA
<213>   Artificial Sequence

<400>   1815
gcgagtgttg tttaacgact catcaactaa cagaatagtc tattatagca atgacttatt 60
aaccaactac ttgccagcag gagttaaata ttccgtcaca atagacgcat tcagcaacaa 120
taatggggta attagggtag gtaattttga cgctctcagt aca   163

<210>   1816
<211>   163
<212>   DNA
<213>   Artificial Sequence

<400>   1816
agtctattat agcaatgact tattaaccaa ctactagcca gcaggagtta aatattccgt 60
cacaatagac gcattcagca acaataatgg gttaattagg gtaggtaatt ttgacgctct 120
cagtacatgg caaacaataa aacaaggtga cacaccttca acg   163

<210>   1817
<211>   163
<212>   DNA
<213>   Artificial Sequence

<400>   1817
agcctcaagt gcgcccgctg agtcccctgc gtcttgtagt gcttttactt gttgttgagt 60
ctcacgttcg ttctgtttca tttctttaga aagttgtgtt agtccactct tagcgtcaat 120
gtattccttg gaggtttttt ctagttgact agttaaacca ttg   163

<210>   1818
<211>   163
<212>   DNA
<213>   Artificial Sequence

<400>   1818
aagacgcagg ggactcagcg ggcgcacttg aggctcaaca ggagggtcta aaacgttcaa 60
tctccttaac tgagaaagct attgaggcac aaaagcgcgc tattgaaatg agttctcagg 120
agttcggtga aaactctaaa gaagttgagg aggctagaat ctc   163

<210>   1819
<211>   163
<212>   DNA
<213>   Artificial Sequence

<400>   1819
gaaatttcac aataccccctg tttggaatat tgtctctagg gtgttctatc gttagcctct 60
ttctgaacaa taccaccacc cgttgttgct acccacgcgt gagagtcaac aataaacaat 120
tctttttcag ggataggaat aacccacgta acagcggtca agt   163

<210>   1820
<211>   163
<212>   DNA
<213>   Artificial Sequence

<400>   1820
ttgtcaacta gtaacgcact attaaactca cctttggtgt taaatgcgcg gttagatggg 60
agttctgtgt acatttttcc aaacaatggt gagcctatga ttttggtcat tagaatagac 120
tttccatttc ctccgttgcg tgtaccgcgt gagacaacaa ttt   163

<210>   1821
<211>   163
<212>   DNA
<213>   Artificial Sequence

<400>   1821
ggtagcacca tgtttatctt tcaaactata ttcaagtccc tcattaacat agtcacgttc 60
aaaacggtca tagtagaacc attcatcaat accatcaacc tgcacgaaaa ggctgcctac 120
tccaacactg gtatatcgtt taccttttc caatatatct tct   163

<210>   1822
<211>   163
<212>   DNA
<213>   Artificial Sequence

<400>   1822
gagtggcttt tttatggtat aattaataaa gaaaccagtg taaggggggt ttttaaaata 60
gaattttatt ttactgatag ggaatttaac cctataggaa ttgcgtccac agatggagca 120
ggactcaata aaatgtcaga tgaccatgag ataatcaact atg   163

<210>   1823
<211>   163
<212>   DNA
<213>   Artificial Sequence

<400>   1823
gttcacttgg aactttgagc atatccaatc aaacaacgga attaaaccag ttacaaaaaa 60
cccatttacc tacaatgcac ctgtagcaaa caaagcttcc gttgttaaaa catctagatg 120
gctactccag tataaagact cagtagccac aagggaggta gtg   163

<210>   1824
<211>   163
<212>   DNA
<213>   Artificial Sequence

<400>   1824
tggcgtagat atgacgcctc aaacgtatta gacacctcat ggacagcaac aggaaaaaca 60
atcacagtaa atgcaggaca atcaaatgta tatacatatt attgttctgt agattattag 120
aggaggtcaa aaacatggca ttagagtcaa agccattgag tat   163

<210>   1825
<211>   163
<212>   DNA
<213>   Artificial Sequence

<400>   1825
cactacctcc cttgtggcta ctgagtcttt atactggagt agccatctag atgttttaac 60
aacggaagct ttgtttgcta caggtgcatt gtaggtaaat gggttttttg taactggttt 120
aattccggtg tttgattgga tatgctcaaa gttccaagtg aac   163

<210>   1826
<211>   162
<212>   DNA
<213>   Artificial Sequence

<400>   1826
aatacaatac ctacgcgctc agaaatgtca tcacagaacg cgtctgtaat acgttcagcc 60
tcctcatcat gaggaatgta ggcgtgacag tctgtgttgc tctgtaacat ggtaacatgg 120
tccctaagtc cctcgtagaa gtcagccata attaattgcc ca   162

<210>   1827
<211>   162
<212>   DNA
<213>   Artificial Sequence

<400>   1827
tccctcgtag aagtcagcca taattaatgg cccactcaca catggtagaa attgaaaacg 60
tgggtcatat aacccattaa actctgcacc tgtggcacca aacaatgtat taataggcaa 120
ttttacccca tttactaaca catacattgg taacgttact tc   162

<210>   1828
<211>   162
<212>   DNA
<213>   Artificial Sequence

<400>   1828
attttcttac ctgagttctt agttacataa taccattggt tgtttttaat aatcttttga 60
cccgtttgac gtttggttgt ttcaatcgtg acgcccttag gtaacagacc gtatgacttg 120
taactagtct tggaacctgc acgaatgtgt aggacttcct ta   162

<210>   1829
<211>   162
<212>   DNA
<213>   Artificial Sequence

<400>   1829
gttgaaggtg tgtcaccttg ttttattgtt tgccatgtac tgagagcgtc aaaattacct 60
accctaatta acccattatt gttgctgaat gcgtctattg tgacggaata tttaactcct 120
gctggcacgt agttggttaa taagtcattg ctataataga ct   162

<210>   1830
<211>   162
<212>   DNA
<213>   Artificial Sequence

<400>   1830
aaatagttcc aatactgaca acaaacctaa accaaaccca caaccgtcta aaccaaaaat 60
cacagacaca cgtgatttcc ctgtaggtag taaagtaaaa gtacgcgcca aagcaactaa 120
ataccaaacg ggtcaaccag tgccaaactt tgtaaaaggt aa   162

<210>   1831
<211>   162
<212>   DNA
<213>   Artificial Sequence

<400>   1831
aaatggtata ataacactat atgaaataag agagtgagat tttaatgagt aaagaacctg 60
aaaaattaac agttgtagca gttgaggacg aggacaaaag tttagtgatt agtgtgtgtc 120
ctgaggacta ttctaaactg tacacattaa cattgtacaa ag   162

<210>   1832
<211>   162
<212>   DNA
<213>   Artificial Sequence

<400>   1832
ttacgagaaa gaacatcaaa attcacatac acatgagggt acaaactacc gtagtcacgc 60
atgagaaagc gtccaatgtg aataagctgt tcaacagctc cgtggacacc tcccgcgcca 120
aactccataa cataaccagt attagggtca gtatacgttc ct   162

<210>   1833
<211>   162
<212>   DNA
<213>   Artificial Sequence

<400>   1833
ttacgagaaa gaacatcaaa attcacatac acattagggt acaaactacc gtagtcacgc 60
atgagaaagc gtccaatgtg aataagctgt tcaacagctc cgtggacacc tcccgcgcca 120
aactccagaa cataaccagt attagggtca gtatacgttc ct   162

<210>   1834
<211>   162
<212>   DNA
<213>   Artificial Sequence

<400>   1834
aaatggtata ataacactat atgaaataag agagggagat tttaatgagt aaagaacctg 60
aaaaattaac agttgtagca gttgaggacg aggacaaaag tttagtgatt agtgtgtgtc 120
ctgaggaata ttctaaactg tacacattaa cattgtacaa ag   162

<210>   1835
<211>   162
<212>   DNA
<213>   Artificial Sequence

<400>   1835
tgtactgaga gcgtcaaaat tacctaccct aattcaccca ttattgttgc tgaatgcgtc 60
tattgtgacg gaatatttaa ctcctgctgg caagtagttg gttaataagt cattgctata 120
atagactctt ctgttagttg atgagtcgtt aaacaacact cg   162

<210>   1836
<211>   162
<212>   DNA
<213>   Artificial Sequence

<400> 1836
cgagtgttgt ttaacgactc atcaactaac agaatagtct attatagcaa tgacttatta 60
accaactact tgccagcagg agttaaatat tccgtcacaa tagacgcatt cagcaacaat 120
aatgggtgaa ttagggtagg taattttgac gctctcagta ca 162

<210> 1837
<211> 162
<212> DNA
<213> Artificial Sequence

<400> 1837
ctttgtacaa tgttaatgtg tacagtttag aatattcctc aggacacaca ctaatcacta 60
aacttttgtc ctcgtcctca actgctacaa ctgttaattt ttcaggttct ttactcatta 120
aaatctcact ctcttatttc atatagtgtt attataccat tt 162

<210> 1838
<211> 162
<212> DNA
<213> Artificial Sequence

<400> 1838
aggaacgtat actgacccta atactggtta tgttctggag tttggcgcgg gaggtgtcca 60
cggagctgtt gaacagctta ttcacattgg acgctttctc atgcgtgact acggtagttt 120
gtaccctcat gtgtatgtga attttgatgt tctttctcgt aa 162

<210> 1839
<211> 161
<212> DNA
<213> Artificial Sequence

<400> 1839
tatattgagt caaaatttga actgaaagaa aaggaggctg taaaggaaac gggaattgta 60
cacaaagcca aaatgtacgt gcgtttgaaa attttcccaa tggatggctc taacgcgcgc 120
gtaaacgaac cactcctaca tttctttctc agtttttatg a 161

<210> 1840
<211> 161
<212> DNA
<213> Artificial Sequence

<400> 1840
tggtagatgt gtgccgtgct atccgtccct tcatttgttg gtacgtaata ctagaaaggg 60
gtagctcgta gaataccatt atgtgggatg tagctaagaa gtttacccct gtacttcctg 120
ccttgaagtg tactagaata atcgcgtcct catgttgttc c 161

<210> 1841
<211> 161
<212> DNA
<213> Artificial Sequence

<400> 1841
ttagtttgtc aagtgtatta cctagttcag cggttccgtc aatacctaaa ccaaacttca 60
tatttcctac tggttttccg ctttgcacca tgtgttaatc agctcctttt ttctctagct 120
tttcaaggtc ctcaggactt aagaaacgct taataaagtc a 161

<210> 1842
<211> 161
<212> DNA
<213> Artificial Sequence

<400> 1842
taccacgctt tgagttgcct gtagtcactg tcaaatcgtt caaagaatga ggtaagggac 60
tcagttattt ttgactgagt tacattcaca ttggctaaat gtgggtgcat ggttttgaac 120
atatcaaacg taagccacgt aggagcctca tagccctctc t 161

<210>   1843
<211>   161
<212>   DNA
<213>   Artificial Sequence

<400>   1843
tatgggtcaa tatactaact atactcaaga accgagcacg gacccaagta agtacacgtg 60
gatgagaaca acgggacaaa atggcgcctc tgtcaaatca actaaaacag agtgggcaat 120
caatacctca agcgttgatg aacctacatc aggatggagt a   161

<210>   1844
<211>   161
<212>   DNA
<213>   Artificial Sequence

<400>   1844
ttagtttgtc aagtgtatta cctagttcag cgggtccgtc aatacctaaa ccaaacttca 60
tatttcctac tggttttccg ctttgcacca tgtgttaatc agctcctttt ttctctagct 120
tttcaagttc ctcaggactt aagaaacgct taataaagtc a   161

<210>   1845
<211>   161
<212>   DNA
<213>   Artificial Sequence

<400>   1845
tagcaaacga aatgaaacaa gttgaggtaa cagaggacaa cataaaggaa tataaaaaac 60
tcctcgcaca ggctcgcaaa gagtttagca acatagacaa cgaacgcaag cgggttaaaa 120
aagaaatatt acgaccctat gacgagctag aggataagat a   161

<210>   1846
<211>   161
<212>   DNA
<213>   Artificial Sequence

<400>   1846
tggtagatgt gtgccgtgct atccgtccct tcagttgttg gtacgtaata ctagaaaggg 60
gtagctcgta gaataccatt atgtgggatg tagctaagaa gtttacccct gtacttcctg 120
ccttgaattg tactagaata atcgcgtcct catgttgttc c   161

<210>   1847
<211>   161
<212>   DNA
<213>   Artificial Sequence

<400>   1847
ttttagtgct tttacttgtt gttgagtctc acgttcgttc tgtttcattt ctttagaaag 60
ttgtgttagt ccactcttag cgtcaatgta ttccttggag gttttttcta gttgactagt 120
taaaccagtg tattttgctg tggcgttatt gatttgagtg c   161

<210>   1848
<211>   161
<212>   DNA
<213>   Artificial Sequence

<400>   1848
ttacgaccct atgacgagct agaggataag atacaacatc tcagaggaat actaaaagag 60
ggtgaggacg ctttggatgt tcaaataaag gcgtatagag acgctcagag gtgttctaaa 120
tgggatgagg tacaagttac ctttgaacga tttagagagg g   161

<210>   1849
<211>   161
<212>   DNA
<213>   Artificial Sequence

<400>   1849
tactccatcc tgatgtaggt tcatcaacgc ttgtggtatt gattgcccac tctgttttag 60
ttgatttgac agaggcgcca ttttgtcccg ttgttctcat ccacgtgtac ttacttgggt 120
ccgtgctagg ttcttgagta tagttactat attgacccat a   161

<210>   1850
<211>   161
<212>   DNA
<213>   Artificial Sequence

<400>   1850
ttttagtgct tttacttgtt gttgagtctc acggtcgttc tgtttcattt ctttagaaag 60
ttgtgttagt ccactcttag cgtcaatgta ttccttggag gttttttcta gttgactagt 120
taaaccattg tattttgctg tggcgttatt gatttgagtg c   161

<210>   1851
<211>   161
<212>   DNA
<213>   Artificial Sequence

<400>   1851
ttttagtgct tttacttgtt gttgagtctc acggtcgttc tgtttcattt ctttagaaag 60
ttgtgttagt ccactcttag cgtcaatgta ttccttggag gttttttcta gttgactagt 120
taaaccagtg tattttgctg tggcgttatt gatttgagtg c   161

<210>   1852
<211>   161
<212>   DNA
<213>   Artificial Sequence

<400>   1852
tatgggtcaa tatagtaact atactcaaga accgagcacg gacccaagta agtacacgtg 60
gatgagaaca acgggacaaa atggcgcctc tgtcaaatca actaaaacag agtgggcaat 120
caataccaca agcgttgatg aacctacatc aggatggagt a   161

<210>   1853
<211>   161
<212>   DNA
<213>   Artificial Sequence

<400>   1853
tggtagatgt gtgccgtgct atccgtccct tcagttgttg gtacgtaata ctagaaaggg 60
gtagctcgta gaataccatt atgtgggatg tagctaagaa gtttacccct gtacttcctg 120
ccttgaagtg tactagaata atcgcgtcct catgttgttc c   161

<210>   1854
<211>   161
<212>   DNA
<213>   Artificial Sequence

<400>   1854
tgactttatt aagcgtttct taagtcctga ggaccttgaa aagctagaga aaaaaggagc 60
tgattaacac atggtgcaaa gcggaaaacc agtaggaaat atgaagtttg gtttaggtat 120
tgacggaccc gctgaactag gtaatacact tgacaaacta a   161

<210>   1855
<211>   160
<212>   DNA
<213>   Artificial Sequence

<400>   1855
gtctacggtg aaatgttagc gggtgccatc cgatttgacg tagtagctac agacacaaag 60
gcgggcttaa tgttcaaatt aggagctatt cctaacaacg tttctacggt aacagtagca 120
aatgcgtctg agttccctag tggtggagca ggagcctaat   160

<210>   1856
<211>   160
<212>   DNA
<213>   Artificial Sequence

<400>   1856
ttttgtgtta taatgattag agatagaaag gagaatgatt caatgaaaat tgaaaaacaa 60
atgcgctcag gtttaccaca agtaggggta agaccgtatg gacaaattca cgtacacagt 120
acgggggactt catcatctac agcgcaaaac gaggcagact   160

<210>   1857
<211>   160
<212>   DNA
<213>   Artificial Sequence

<400>   1857
gtacaaccat cccaactcta gaaaaaggta aagacctatg gacacgtaca acgtgggagt 60
acactgatgg tacaacatca gtagcctata cagtgaacta tattcctgta gatggctcaa 120
ccggtaatgg tgtgaaatct atcgctgtta cttacgctgt   160

<210>   1858
<211>   160
<212>   DNA
<213>   Artificial Sequence

<400>   1858
ttgtttcccg cttggtttat tgggacgcgg tggaacttca tcaaccttgc ctgcaatttc 60
aggcttacct aaattataga acccatcttt taactcaatg tctaccctca ccactgatag 120
tggctcactg tcctcccaac gtgtaaaatc aggtttccaa   160

<210>   1859
<211>   160
<212>   DNA
<213>   Artificial Sequence

<400>   1859
cagcgtaagt aacagcgata gatttcacac cagtaccggt tgagccatct acaggaatat 60
agttcactgt ataggctact gatgttgtac catcagtgta ctcccacgtt gtacgtgtcc 120
ataggtattt acctttttct agagttggga tggttgtact   160

<210>   1860
<211>   160
<212>   DNA
<213>   Artificial Sequence

<400>   1860
gtacaaccat cccaactcta gaaaaaggta aatacctatg gacacgtaca acgtgggagt 60
acactgatgg tacaacatca gtagcctata cagtgaacta tattcctgta gatggctcaa 120
ccggtaaggg tgtgaaatct atcgctgtta cttacgctgt   160

<210>   1861
<211>   160
<212>   DNA
<213>   Artificial Sequence

<400>   1861
gacatttaca gataatagta accaaacaac ctactcagtg gcgcgctttg gtcaggatgg 60
tattagtgtg actggtactc aatcagagta tgtacaaaca actagttctg tagaacctac 120
ctcaggaggg agtacaacac gtccaacacc tcaaattggt   160

<210>   1862
<211>   160
<212>   DNA
<213>   Artificial Sequence

<400>   1862
taattgtact tcctgacgct atctttaaaa acgacacaaa tgataaacta ttattcattg 60
gtgacttaga acaagctatt actttgttca aacgtactga aatgacggta cgttggcaag 120
accacaaggt ctacggtgaa atgttagcgg gtgccatccg   160

<210>   1863
<211>   160
<212>   DNA
<213>   Artificial Sequence

<400>   1863
ttatgagttg gttattttga cagacgctaa tgacatatta atgtctatag ccatccgtga 60
ctctgacgca aaaggcaatg aagtgattgt tgaatactgg tacggtaaca agttactaaa 120
atctatccag acagacgtaa ctaagtacaa atcatcttgg   160

<210>   1864
<211>   160
<212>   DNA
<213>   Artificial Sequence

<400>   1864
taacagtgtc aaccatacct tgaatgaacc cgataacatt gttgacaaag tcaccaacta 60
aaccaattac aatttttagt agtggactaa taaaattaag gaagttcatg aacgcttcca 120
tgatttgatt accatactga ttatagaact cgcttacctg   160

<210>   1865
<211>   160
<212>   DNA
<213>   Artificial Sequence

<400>   1865
ttcatcatct acagcgcaaa acgaggcaga ctctcatatg cgcagacccg tcaacagtgg 60
gttcttctcg cacgtagtag gtaacgggcg agtaattcaa acagcacgca caaacgcggg 120
cttttatgac gtaggtggcg gatggaactc gtggggatat   160

<210>   1866
<211>   160
<212>   DNA
<213>   Artificial Sequence

<400>   1866
gtaggttgtt tggttactat tatctgtaaa tgtccagata atacgtgtcc ataggtattg 60
accacctgtt acatttggtg gtgttgcttg ccaacctgtg gatggtgctg ttgtacctga 120
ggtacctcca gcgtaagtaa cagcgataga tttcacacca   160

<210>   1867
<211>   160
<212>   DNA
<213>   Artificial Sequence

<400>   1867
ttggtttatt gggacgcggt ggaacttcat cacccttgcc tgcaatttca ggcttaccta 60
aattatagaa cccatctttt aactcaatgt ctaccctcac cactgatagt ggctcaatgt 120
cctcccaacg tgtaaaatca ggtttccaat tcattaagta   160

<210>   1868
<211>   160
<212>   DNA
<213>   Artificial Sequence

<400>   1868
gacatttaca gataatagta accaaacaac ctcctcagtg gcgcgctttg gtcaggatgg 60
tattagtgtg actggtactc aatcagagta tgtacaaaca actagttctg tagaacctac 120
ctcaggaggg agtacaacac gtccaacacc tcaaattggt   160

<210>   1869
<211>   160
<212>   DNA
<213>   Artificial Sequence

<400>   1869
gtacaaccat cccaactcta gaaaaaggta aagacctatg gacacgtaca acgtgggagt 60
acactgatgg tacaacatca gtagcctata cagtgaacta tattcctgta gatggctcaa 120
ccggtaaggg tgtgaaatct atcgctgtta cttacgctgt   160

<210>   1870
<211>   159
<212>   DNA
<213>   Artificial Sequence

<400>   1870
ccaatttgag gtgttggacg tgttgtactc catcctgagg taggttctac agaactagtt 60
gtttgtacat actctgattg agtaccagtc acactaatac catcctgacc aaagcgcgcc 120
actgaggagg ttgtttggtt actattatct gtaaatgtc   159

<210>   1871
<211>   159
<212>   DNA
<213>   Artificial Sequence

<400>   1871
tgggctagac cattgaataa cgtaacactc agtcatcaag gttctggaat gaacaggcta 60
ctactagaag tgcgcaagga tggtgcaatt ctagtaagta ggtatggtac tacagtagat 120
agtgcgattc cgtcaggcgc atggataaac atctcttgc   159

<210>   1872
<211>   159
<212>   DNA
<213>   Artificial Sequence

<400>   1872
atttgttcat atacgttctc atagaggttg gtttcactgt tgaacgtaac agcgtaaccc 60
tcaacaatca tgtcctcatt ttcctcaagt gctctaatct caatgctacg cgtctccgtt 120
ttcatcagta gtagcctcct tattttgatt gtttgtttc   159

<210>   1873
<211>   159
<212>   DNA
<213>   Artificial Sequence

<400>   1873
gtcacaatgc actctaaacc ctttttttatc atagcaccaa cctcacaact tctataacgc 60
gttctacacc ctgtaagtgt tcagcaatct cacacgcctc aaaaatatca ttggcaaaaa 120
taagacagtc ctcatacttc atacgccaac taatgtacg   159

<210>   1874
<211>   159
<212>   DNA
<213>   Artificial Sequence

<400>   1874
cgtacattag ttggcgtatg aagtatgagg aatgtcttat ttttgccaat gatatttttg 60
aggcgtgtga gattgctgaa cacttacagg gtgtagaacg cgttatagaa gttgtgaggt 120
tggtgctctg ataaaaaagg gtttagagtg cattgtgac   159

<210>   1875
<211>   159
<212>   DNA
<213>   Artificial Sequence

<400> 1875
agatacgaaa aacggaacgt ttgacgcgta gactgtagta gcctccgctc ctagtccact 60
gattgttgcc tcaattgcac cgcctttagt tttgtcaagg ttgtaggttg tgtagcctgt 120
accctcggta ttgggcacat gaatatgagc agatttaaa   159

<210> 1876
<211> 159
<212> DNA
<213> Artificial Sequence

<400> 1876
tgagtgttac gttattcaat ggtctagccc acactggtag aggttggtta atgacatatt 60
gacctgcgct aagttggttt atgggtttaa acgcacctgc tatttgaacc gttctaccta 120
ctcgcgtggc tgtaggtgtg ttagtgtatc ccataacat   159

<210> 1877
<211> 159
<212> DNA
<213> Artificial Sequence

<400> 1877
tgtcagggtc aatgtactca tatgacaatt cattactcgc tgtgtcttgt aagattgtaa 60
ttgtatgagg gctgacaatc tgtagcttag taacttgtgt tccgttgcgt ctaatgattg 120
caaacgcaga cccatataaa agggtataca tggtaatag   159

<210> 1878
<211> 159
<212> DNA
<213> Artificial Sequence

<400> 1878
tagtagtgtg ccttgcgtct aaggtgtctg agtgggcttc tgaggggtct aaacaaggtt 60
taggtataat taccctaagt gggtctccaa agctcagagg agagcttcta gaggcgtcag 120
gaacgcaata tgtatcaatc agctttcaat catcatggc   159

<210> 1879
<211> 159
<212> DNA
<213> Artificial Sequence

<400> 1879
gtaaaagaga cacctgtgac gctaccagag agtgagaaaa atagactatg gcaagcggtc 60
aacttcttta ctgacccact aagtgaaaaa gcattatgtg agttcatagg gtcatgcgtc 120
tatgagaaca aacctgaggc tgttcatgct caaattgtt   159

<210> 1880
<211> 159
<212> DNA
<213> Artificial Sequence

<400> 1880
caccacgtat cattaaacgc tatatcatca caagagacat aaagctagtc taactttgaa 60
cgaaaatcat gtgttaaaat aatataagaa agacaagaaa ggatgacaca aacatggcaa 120
aaatcggatt taaatctgct catattcatg tgcccaata   159

<210> 1881
<211> 159
<212> DNA
<213> Artificial Sequence

<400> 1881
gtaaaagaga cacctgtgac gctaccagag attgagaaaa atagactatg gcaagcggtc 60
aacttcttta ctgacccact aagtgaaaaa gcattatgtg agttcatagg gtcatgcgtc 120
tatgagacca aacctgaggc tgttcatgct caaattgtt   159

<210>   1882
<211>   159
<212>   DNA
<213>   Artificial Sequence

<400>   1882
tagtagcctc cttattttga ttgtttgttt ctcgtgaaac attaatacgt gagcctgtca 60
ttctagaaaa ctgactctcg tctgtttcag gataaccata gtaggcgcgt acctcgttag 120
gtttaagata ctcaatgcct ttggctgtac cctcaaaca   159

<210>   1883
<211>   159
<212>   DNA
<213>   Artificial Sequence

<400>   1883
cccataaacc aacttagcgc aggtcaatat gacattaacc aacctctacc agtttgggct 60
agaccattga ataacgtaac actcattcat caaggttctg gaatgaacag gctactacta 120
gaagtgcgca aggatggtgc aattctagta agtaggtat   159

<210>   1884
<211>   159
<212>   DNA
<213>   Artificial Sequence

<400>   1884
ccttatcaaa cgcactttta gccatgtttt tggcaccgtt ccagatgttt tttacgcctc 60
ctgtaatttt gtcaaagaag ccagtacctt ttttgtatgc aaacttagga cgtttatgac 120
ctaacacgtg tgcagtttct tctgctgtta aaacgtggg   159

<210>   1885
<211>   159
<212>   DNA
<213>   Artificial Sequence

<400>   1885
catggacttc acacacaacc cattggcggg aacacgtgag ataagttgtg aagatggtgc 60
acttgactta cttaataatg ttgtacctgc tattaaaacc acgtcacctc aatcgtttca 120
atactacagg aacattgtca tgagagacac gggctttac   159

<210>   1886
<211>   159
<212>   DNA
<213>   Artificial Sequence

<400>   1886
tacctgagga cactgcgcca aatatcctat taaacggttc acaggacaat agtatacagt 60
attggggaat ctttgacgca gtaacggcta caccaacagc aggagccact aaattaacta 120
aaacagccgt gtcaacaata cgtcctgcat acctatcaa   159

<210>   1887
<211>   159
<212>   DNA
<213>   Artificial Sequence

<400>   1887
ttgataggta tgcaggacgt attgttgaca ctgctgtttt agttaattta gtggctcctg 60
ctgttggtgt agccgttact gcgtcaaaga ttccccaata ctgtatacta ttgtcctgtg 120
aaccgttgaa taggatattt ggcgcagtgt cctcaggta   159

<210>   1888
<211>   159
<212>   DNA
<213>   Artificial Sequence

<400> 1888
tgtactgaga gcgtcaaaat tacctaccct acttaaccca ttattgttgc tgaatgcgtc 60
tattgtgacg gaatatttaa ctcctgctgg caagtagttg gttaataagt cattgctata 120
atagactatt ctgttagttg atgagtcgtt aaacaacac   159

<210> 1889
<211> 159
<212> DNA
<213> Artificial Sequence

<400> 1889
gttggttaat aagtcattgc tataatagac tcttctgtta gttgatgagt cgttaaacaa 60
cactcgcatg ttcccgtttg aatattctat agtcgcacca tttcctgtcc aaccattaat 120
agtggggact ttcgagaaat cataattcaa tactaaatt   159

<210> 1890
<211> 159
<212> DNA
<213> Artificial Sequence

<400> 1890
ctaaaagcat tagttgcccc tgcggttata cactcaaatt tatattgttt tattgtttgc 60
catgtactga gagcgtcaaa attacctacc cttattaacc cattattgtt gctgaatgcg 120
tctattgtga cggaatattt aattgtgacg gaatattta   159

<210> 1891
<211> 159
<212> DNA
<213> Artificial Sequence

<400> 1891
tgtactgaga gcgtcaaaat tacctaccct acttaaccca ttattgttgc tgaatgcgtc 60
tattgtgacg gaatatttaa ctcctgctgg caagtagttg gttaataagt cattgctata 120
atagactctt ctgttagttg atgagtcgtt aaacaacac   159

<210> 1892
<211> 159
<212> DNA
<213> Artificial Sequence

<400> 1892
tgttccgctt gtttgcatat ctatttcagg tactagcgct tttagtggtg agcgtcctga 60
aatgccgtca attgagttca gtctaaaatg taacatgtct ttacccttga tggtttcttt 120
cttttgagtg tcagggtcaa tgtactcata tgacaattc   159

<210> 1893
<211> 159
<212> DNA
<213> Artificial Sequence

<400> 1893
gttcctcacg catttcctta gcctcatcag atagcgtcca cacaaactcg tctgcggtaa 60
cgtcctctct gcgtttcaat agttcagcat actcctgtac acaccatcta ataaactcag 120
ctttctcctg ttcgttgttt agtgcgtctc tcatctcag   159

<210> 1894
<211> 159
<212> DNA
<213> Artificial Sequence

<400> 1894
gttggttaat aagtcattgc tataatagac tattctgtta gttgatgagt cgttaaacaa 60
cactcgcatg ttcccgtttg aatattctat agtcgcacca tttcctgtcc aaccattaat 120
agtggggact ttcgagaaat cataattcaa tactaaatt   159

<210>   1895
<211>   159
<212>   DNA
<213>   Artificial Sequence

<400>   1895
ttgataggta tgcaggacgt attgttgaca cggctgtttt agttaattta gtggctcctg 60
ctgttggtgt agccgttact gcgtcaaaga ttccccaata ctgtatacta ttgtcctgtg 120
aaccgttgaa taggatattt ggcgcagtgt cctcaggta   159

<210>   1896
<211>   159
<212>   DNA
<213>   Artificial Sequence

<400>   1896
gtcacaatgc actctaaacc ctttttttatc agagcaccaa cctcacaact tctataacgc 60
gttctacacc ctgtaagtgt tcagcaatct cacacgcctc aaaaatctca ttggcaaaaa 120
taagacagtc ctcagactac agacgccaac taatgtacg   159

<210>   1897
<211>   159
<212>   DNA
<213>   Artificial Sequence

<400>   1897
catggacttc acacacaacc cattggcggg accacgtgag ataagttgtg aagatggtgc 60
acttgactta cttaataatg ttgtacctgc tattaaaacc acgtcacctc aatcgtttca 120
atactacagg aacattgtca tgagagacac gggctttac   159

<210>   1898
<211>   159
<212>   DNA
<213>   Artificial Sequence

<400>   1898
aacaatttga gcatgaacag cctcaggttt ggtctcatag acgcatgacc ctatgaactc 60
acataatgct ttttcactta gtgggtcagt aaagaagttg accgcttgcc atagtctatt 120
tttctcactc tctggtagcg tcacaggtgt ctcttttac   159

<210>   1899
<211>   159
<212>   DNA
<213>   Artificial Sequence

<400>   1899
gccatgatga ttgaaagctg attgatacat agtgcgttcc tgacgcctct agaagctctc 60
ctctgagctt tggagaccca cttagggtaa ttatacctaa accttgttta gacccctcag 120
aagcccactc agacacctta gacgcaaggc acactacta   159

<210>   1900
<211>   158
<212>   DNA
<213>   Artificial Sequence

<400>   1900
cgttaccgca gacgagtttg tgtggacgct atctgatgag gctaaggaaa tgcgtgagga 60
cctagtacgt agtaaaacac ctgttattga tttagccttt aatagtggac tatttgagca 120
cacgggtaat gagggtgacc ttgttgaatt gaaactct   158

<210>   1901
<211>   158
<212>   DNA
<213>   Artificial Sequence

<400>   1901
ttgacccaga tgggcgtttt aaacttgaga ctggggttat gattgacacg caagaagctc 60
ctaaatggtc cagactctta tcaacaacag gaggtttgtt cacacgtgct gtaacgtatg 120
acacccttga taaaggtaaa ttggcttcac ttgctgtt   158

<210>   1902
<211>   158
<212>   DNA
<213>   Artificial Sequence

<400>   1902
aacagcaagt gaagccaatt tacctttatc cagggtgtca tacgttacag cacgtgtgaa 60
caaacctcct gttgttgata agagtctgga ccatttagga gcttcttgcg tgtcaatcat 120
aaccccattc tcaagtttaa aacgcccatc tgggtcaa   158

<210>   1903
<211>   158
<212>   DNA
<213>   Artificial Sequence

<400>   1903
gaacgcgtct gtaatacgtt cagcctcctc atcatgagga atgtaggcgt gacagtctgt 60
gttgctctgt aacatggtaa catggtccct aattccctcg tagaagtcag ccataattaa 120
ttgcccactc acacatgtta gaaattgaaa acgtgggt   158

<210>   1904
<211>   158
<212>   DNA
<213>   Artificial Sequence

<400>   1904
gctgaacact acttagctct atggtgggaa atggatagtt ttgacgaggc ggatgacgag 60
gaaaactggt ttaaatctaa ccctcttttt gaaaaacctg acgttcgcac acatatgtta 120
gaacacacac gggctaaaaa gacagaggga gaggctaa   158

<210>   1905
<211>   158
<212>   DNA
<213>   Artificial Sequence

<400>   1905
tccgtttttc gtatctgcta aaggtacagg agaaacaacc gtatcattga atgttttcga 60
cttacaagcg ggtggagcat atagtgctgt tttaggtatt accgcagacg aaaatggtat 120
tatgacagtg gggcaggaca ctcaagctcc ttatgtct   158

<210>   1906
<211>   158
<212>   DNA
<213>   Artificial Sequence

<400>   1906
tcacaggaca atagtataca gtattgggga atctttgacg cagtaacggc tacaccaaca 60
gcaggagcca ctaaattaac taaaacagca gtgtcaacaa tacgtcctgc atacctatca 120
aatggctcca gtgctttgcg cggtacaacg tacactgt   158

<210>   1907
<211>   158
<212>   DNA
<213>   Artificial Sequence

<400>   1907
tctaggttcc ataatagttt acctaatcgt tgcgcctcta gttcctgttc attatctaga 60
gcatgaccaa ttttacagag cagtgtgtgg cgcattagtt ctaattcttt acgcagtggt 120
ctattcagtg tctcactggc gtcaaacata ttagaggc   158

<210>   1908
<211>   158
<212>   DNA
<213>   Artificial Sequence

<400>   1908
tttattaaac gatacattag acgaacgcaa aaaacgaatg tttgagggta cagccaaagg 60
cattgagtat cttaaaccta acgaggtacg cgcctactat ggttatcctg aaacagacga 120
gagtcagatt tctagaatga caggctcacg tattaatg   158

<210>   1909
<211>   158
<212>   DNA
<213>   Artificial Sequence

<400>   1909
tgtaggttca tcaacgcttg aggtattgat ggcccactct gttttagttg atttgacaga 60
ggcgccattt tgtcccgttg ttctcatcca cgtgtactta cttgggtccg tgctaggttc 120
ttgagtatag ttactatatt gacccatata tagcggat   158

<210>   1910
<211>   158
<212>   DNA
<213>   Artificial Sequence

<400>   1910
cctgtacctt tagcagatac gaaaaacgga ccgtttgacg cgtagactgt agtagcctcc 60
gctcctagtc cactgattgt tgcctcaatt gcaccgcctt tagttttgtc aaggttgtag 120
gttgtgtagc ctgtaccctc gttattgggc acatgaat   158

<210>   1911
<211>   158
<212>   DNA
<213>   Artificial Sequence

<400>   1911
aacgaacgat aagtacagat accttggtga ctgtgcgtat tttcaaaacg gtgcgctaaa 60
catgcgtaca ttagaactac gtccgtttga accatgggac tatagaacgc aagacaccat 120
tttacccatt catgtaaaag agacacctgt gacgctac   158

<210>   1912
<211>   158
<212>   DNA
<213>   Artificial Sequence

<400>   1912
gtagcgtcac aggtgtctct tttacatgaa ggggtaaaat ggtgtcttgc gttctatagt 60
cccatggttc aaacggacgt agttctaatg tacgcatgtt tagcgcaccg ttttgaaaat 120
acgcacattc accaaggtat ctgtacttat cgttcgtt   158

<210>   1913
<211>   158
<212>   DNA
<213>   Artificial Sequence

<400>   1913
tgtaggttca tcaacgcttg aggtattgat tgcccactct gttttagttg atttgacaga 60
ggcgccattt tgtcccgttg ttctcatcca cgtgtactta cttgggtccg tgctaggttc 120
ttgagtagag ttactatatt gacccatata tagcggat   158

<210>   1914
<211>   158
<212>   DNA
<213>   Artificial Sequence

<400> 1914
agataattac ccaactgcgc catttcttta tctttaacta actgctcttg tgattcatca 60
aaatgtaata cccctgtgaa ctctataatg tcatctgttt catagttgat tatctcatgg 120
tcatctgaca ttttaatgag tcctgctcca tctgtgga   158

<210> 1915
<211> 158
<212> DNA
<213> Artificial Sequence

<400> 1915
tattaaccaa ctacttgcca gcaggagtta aatattccgt cacaatagac gcattcagca 60
acaataatgg gttaattagg gtaggtaatt ttgacgctct cagtacatgg caaacaataa 120
aacaaggaga cacaccttca acgtataaat ttgagggt   158

<210> 1916
<211> 158
<212> DNA
<213> Artificial Sequence

<400> 1916
tcttcagatg ggtttggggt gtagatggtt gccgtgtttc ctagttcgat ttttatttttt 60
gttatagtta taattaaagc atttgaatta ccctgtatac taaaagcatt agttgcccct 120
gcggttagac cctcaaattt atacgttgaa ggtgtgtc   158

<210> 1917
<211> 158
<212> DNA
<213> Artificial Sequence

<400> 1917
tttattaaac gatacattag acgaacgcaa caaacgaatg tttgagggta cagccaaagg 60
cattgagtat cttaaaccta acgaggtacg cgcctactat ggttatcctg aaacagacga 120
gagtcagttt tctagaatga caggctcacg tattaatg   158

<210> 1918
<211> 158
<212> DNA
<213> Artificial Sequence

<400> 1918
tccacagatg gagcaggact cattaaaatg acagatgacc atgagataat caactatgaa 60
acagatgaca ttatagagtt cacaggggta ttacattttg atgaatcaca agagcagtta 120
gttaaagtta aagaaatggc gcagttgggt aattatct   158

<210> 1919
<211> 158
<212> DNA
<213> Artificial Sequence

<400> 1919
tctaggttcc ataatagttt acctaatcgt agcgcctcta gttcctgttc attatctaga 60
gcatgaccaa ttttacagag cagtgtgtgg cgcattagtt ctaattcttt acgcagtggt 120
ctattcattg tctcactggc gtcaaacata ttagaggc   158

<210> 1920
<211> 158
<212> DNA
<213> Artificial Sequence

<400> 1920
acagtgtacg ttgtaccgcg caaagcactg gagccatttg ataggtatgc aggacgtatt 60
gttgacactg ctgttttagt taatttagtg gctcctgctg ttggtgtagc cgttactgcg 120
tcaaagagtc cccaatactg tatactattg tcctgtga   158

<210>   1921
<211>   158
<212>   DNA
<213>   Artificial Sequence

<400>   1921
cattaatacg tgagcctgtc attctagaaa tctgactctc gtctgtttca ggataaccat 60
agtaggcgcg tacctcgtta ggtttaagat actcaatgcc tttggctgta ccctcaaaca 120
ttcgtttgtt gcgttcgtct aatgtatcgt ttaataaa   158

<210>   1922
<211>   158
<212>   DNA
<213>   Artificial Sequence

<400>   1922
tgtaggttca tcaacgcttg aggtattgat ggcccactct gttttagttg atttgacaga 60
ggcgccattt tgtcccgttg ttctcatcca cgtgtactta cttgggtccg tgctaggttc 120
ttgagtagag ttactatatt gacccatata tagcggat   158

<210>   1923
<211>   158
<212>   DNA
<213>   Artificial Sequence

<400>   1923
gaacgcgtct gtaatacgtt cagcctcctc ctcatgagga atgtaggcgt gacagtctgt 60
gttgctctgt aacatggtaa catggtccct aattccctcg tagaagtcag ccataattaa 120
ttgcccactc acacatgtta gaaattgaaa acgtgggt   158

<210>   1924
<211>   158
<212>   DNA
<213>   Artificial Sequence

<400>   1924
aacagcaagt gaagccaatt tacctttatc cagggtgtca tacgttacag cacgtgtgaa 60
caaacctcct gttgttgata agagtctgga ccatttagga gcttcttgcg tgtcaatcat 120
aaccccagtc tcaagtttaa aacgcccatc tgggtcaa   158

<210>   1925
<211>   158
<212>   DNA
<213>   Artificial Sequence

<400>   1925
tccacagatg gagcaggact cattaaaatg acagatgacc atgagataat caactatgaa 60
acagatgaca ttatagagtt cacaggggta ttacattttg atgaatcaca agagcagtta 120
gttaaagata aagaaatggc gcagttgggt aattatct   158

<210>   1926
<211>   158
<212>   DNA
<213>   Artificial Sequence

<400>   1926
gtagcgtcac aggtgtctct tttacatgaa ggggtaaaat ggtgtcttgc gttctatagt 60
cccatggttc aaacggacgt agttctaatg tacgcatgtt tagcgcaccg ttttgaaaat 120
acgcacagtc accaaggtat ctgtacttat cgttcgtt   158

<210>   1927
<211>   158
<212>   DNA
<213>   Artificial Sequence

<400> 1927
tctaggttcc ataatagttt acctaatcgt agcgcctcta gttcctgttc attatctaga 60
gcatgaccaa ttttacagag cagtgtgtgg cgcattagtt ctaattcttt acgcagtggt 120
ctattcagtg tctcactggc gtcaaacata ttagaggc 158

<210> 1928
<211> 157
<212> DNA
<213> Artificial Sequence

<400> 1928
taatcagcgc acaagataat agtcatttaa caaaagagga gcgtattgag cgcgagcaag 60
aagaacaaga gttatataat tatgaacaac tttcattaga cgatattcct gagggactta 120
ctaaggaagg gtggttgatt tacgaggacc ttgttcc 157

<210> 1929
<211> 157
<212> DNA
<213> Artificial Sequence

<400> 1929
gaatcaatga atcaaaagac gccatcaata agtttcaagg tgcattaggt ctttcacaag 60
agggcgcaga aaactacact caaatggcta acgaactagt tgctgagggt ttgggtagcc 120
ttgaggacat ggttgacgct atgagtaggg ttgagca 157

<210> 1930
<211> 157
<212> DNA
<213> Artificial Sequence

<400> 1930
ggtaaagagt ctaaacaaga aaaggtgatg gatggcgctg actttattaa gcgtttctta 60
agtcctgagg accttgaaaa gctagagaaa aaaggagctg attaacacat ggtgcaaagc 120
ggaaaaccag taggaaatat gaagtttggt ttaggta 157

<210> 1931
<211> 157
<212> DNA
<213> Artificial Sequence

<400> 1931
tactactaga agtgcgcaag gatggtgcaa ttctagtaag taggtatggt actacagtag 60
atagtgcgat tccgtcaggc gcatggataa acatctcttg cgtatatgcg ggtcaagatt 120
tattctatgg gggataatta tgttagagca atttaaa 157

<210> 1932
<211> 157
<212> DNA
<213> Artificial Sequence

<400> 1932
cgggctaaaa agacagaggg agaggctaaa ggtaatctca ccaacttcct aactaaggag 60
cttaattttt gggttgcgga ccaagcaacg tcatacattt ctgtagacga gtgggaaatg 120
gcgtacacag acgaggagtt tgacatcaca gggcgtg 157

<210> 1933
<211> 157
<212> DNA
<213> Artificial Sequence

<400> 1933
ccttgtcccc caacgcttaa aaaaccgtac accacccttt gttattttat tatttttgtt 60
atttaattat tatcatcaaa atgtacccca acaaggtgtc cccatcaagt tacccccttgc 120
gctgacggaa aaagtatgct aacataataa acgaaga 157

<210>   1934
<211>   157
<212>   DNA
<213>   Artificial Sequence

<400>   1934
taatgagcgg aactccaatt tctaacggac tgttagaaca atggttttct caattgaaaa 60
tcgcaggttt atactctgga acgtggaaat cttttagaga acgctactgt atagaagaga 120
aacagtattt aggtggacgg tcttataatg cgattgt   157

<210>   1935
<211>   157
<212>   DNA
<213>   Artificial Sequence

<400>   1935
gaaatttcac aataccccctg tttggaatag tgtctatagg gtgttctatc gttagcctct 60
ttctgaacaa taccaccacc cgttgttgct acccacgcgt gagagtcaac aataaacaat 120
tctttttcag ggataggaat aacccacgta acagcgg   157

<210>   1936
<211>   157
<212>   DNA
<213>   Artificial Sequence

<400>   1936
taatgagcgg aactccaatt tctaacggaa tgttagaaca atggttttct caattgaaaa 60
tcgcaggttt atactctgga acgtggaaat cttttagaga acgctactgt atagaagaga 120
aacagtagtt aggtggacgg tcttataatg cgattgt   157

<210>   1937
<211>   157
<212>   DNA
<213>   Artificial Sequence

<400>   1937
gatgaggtac aagttacctt tgaacgattg agagagggct atgaggctcc tacgtggctt 60
acgtttgata tgttcaaaac catgcaccca catttagcca atgtgaatgt aactcagtca 120
aaaataaatg agtcccttac ctcattcttt gaacgat   157

<210>   1938
<211>   157
<212>   DNA
<213>   Artificial Sequence

<400>   1938
ggtaagaacg taacgatgtg gggacgaaat ggaacccacg ttttaacagc agaagaaact 60
gcacaagtgt taggtcataa acgtcctaag tttgcataca aaaaaggtac tggcttcttt 120
gacaaaatta caggaggcgt aaaaaacatc tggaacg   157

<210>   1939
<211>   157
<212>   DNA
<213>   Artificial Sequence

<400>   1939
agttcataaa tgaggtcgtc catggctaac gcgttgccat ggaactcctc ctctagaact 60
ctgttaaaca gcatatttaa ctcatcatca aacccattac cgtttaatac cttgttaata 120
tactccgatt taaattgctc taacataatt atccccc   157

<210>   1940
<211>   157
<212>   DNA
<213>   Artificial Sequence

<400> 1940
tttcgtcccc acatcgttac gttcttacca ttagggataa ccgcttgacc acttgggtca 60
ataaccattt cagcaccacg tccatcattg acagtcatgg gaccatctac agggtgaccg 120
ccacttggtg tacctttggc gtattcaggt gcctccc   157

<210> 1941
<211> 157
<212> DNA
<213> Artificial Sequence

<400> 1941
ttgcatatgc gtgagaaatg acacctgtat tcccttggtc tagcgtctta ggtagtcccg 60
cttcatcaca taatagacga attaattcta ctagtagctt atagtctttc ataaactctt 120
ctttggtatt gtgcgattca atcaattcaa ttgccgc   157

<210> 1942
<211> 157
<212> DNA
<213> Artificial Sequence

<400> 1942
tcgtgtactc aatgtctata ggtaggtcca ccttatcgcg acaataggtt aatggataaa 60
tgtcttttac ttctggtgtc atttctgtgt gtattgtagg aatcatcatg cctgttttct 120
cctttcggtc ttcgtttatt atgttagcat acttttt   157

<210> 1943
<211> 157
<212> DNA
<213> Artificial Sequence

<400> 1943
ttgcatatgc gtgagaaatg acacctgtag tcccttggtc tagcgtctta ggtagtcccg 60
cttcatcaca taatagacga attaattcta ctagtagctt atagtctttc ataaactctt 120
ctttggtatt gtgcgattca atcaattcaa ttgccgc   157

<210> 1944
<211> 157
<212> DNA
<213> Artificial Sequence

<400> 1944
atggttgacg ctatgagtag ggttgagcac aacagcccta tccctgtatt cggtgaggac 60
ctacagaacc ttacacgtta cgcggtatcg ttttcaaaga tgtttgatac agacgtaaat 120
gaaaccctac gcggtgcggg cgccattatg aactcgt   157

<210> 1945
<211> 157
<212> DNA
<213> Artificial Sequence

<400> 1945
ttagaccagt atggtacgcg tttgctaaat tcctcagcaa cctcaggcgc tatgtcgttc 60
attattttat ttgcctcacg gtctaagtct ttacctagtt caccaagcgc tttgtagatg 120
tcactaacgt ctacataatt atcactcatt ttaccac   157

<210> 1946
<211> 157
<212> DNA
<213> Artificial Sequence

<400> 1946
gtggtaaaat gagtgataat tatgtagacg ttagtgacat ctacaaagcg cttggtgaac 60
taggtaaaga cttagaccgt gaggcaaata aaataatgaa cgacatagcg cctgaggttg 120
ctgaggactt tagcaaacgc gtaccatact ggtctaa   157

<210> 1947
<211> 157
<212> DNA
<213> Artificial Sequence

<400> 1947
taatgagcgg aactccaatt tctaacggac tgttagaaca atggttttct caattgaaaa 60
tcgcaggttt atactctgga acgtggaaat cttttagaga acgctactgt atagaagaga 120
aacagtagtt aggtggacgg tcttataatg cgattgt 157

<210> 1948
<211> 157
<212> DNA
<213> Artificial Sequence

<400> 1948
gatgaggtac aagttacctt tgaacgattg agagagggct atgaggctcc tacgtggctt 60
acgtttgata tgttcaaaac catgcaccca catttagcca atgtgaatgt aactcagtca 120
aaaataactg agtcccttac ctcattcttt gaacgat 157

<210> 1949
<211> 156
<212> DNA
<213> Artificial Sequence

<400> 1949
caaccctaca tggtttcatg atagactaat gtggaggagg taatataatg ttaataccaa 60
cggaacaaca gcaaatggtc atagacaaat gggaaacaca taatctaaat catagtgagg 120
ttggctctgg caagacactc atggcattag aatcgt 156

<210> 1950
<211> 156
<212> DNA
<213> Artificial Sequence

<400> 1950
cgcttgcgta acgttctgac cagtttatgt cctcgaactc ataaaagtat gcttcactgt 60
acgcgtttat aagcgcgtca agagggtcaa tcttgttgcg gttaacttgt ttatcaatca 120
taattaaatc gtttgactct tttgtaaatg cgttgt 156

<210> 1951
<211> 156
<212> DNA
<213> Artificial Sequence

<400> 1951
catttactgc tacaacctca ccatatcccc cagttaggtc cctaaccatt ttagcggttg 60
ttatgtccat ttttagacgc ggtttatcag tgacaatctg tctaaacctt gtgcgtcctc 120
tttcctcatc ataaatcggt gaccttgagg aaaatg 156

<210> 1952
<211> 156
<212> DNA
<213> Artificial Sequence

<400> 1952
tgtgggtgca tggttttgaa catatcaatc gtaagccacg taggagcctc atagccctct 60
ctaaatcgtt caaaggtaac ttgtacctca tcccatttag aacacctctg agcgtctcta 120
tacgccttta tttgaacatc caaagcgtcc tcaccc 156

<210> 1953
<211> 156
<212> DNA
<213> Artificial Sequence

<400> 1953
tagcctctcc ctctgtcttt ttagcccgat tgtgttctaa catatgtgtg cgaacgtcag 60
gtttttcaaa aagagggtta gatttaaacc agttttcctc gtcatccgcc tcgtcaaaac 120
tatccatttc ccaccataga gctaagtagt gttcag   156

<210> 1954
<211> 156
<212> DNA
<213> Artificial Sequence

<400> 1954
ctgaacacta cttagctcta tggtgggaca tggatagttt tgacgaggcg gatgacgagg 60
aaaactggtt taaatctaac cctctttttg aaaaacctga cgttcgcaca catatgttag 120
aacacaaacg ggctaaaaag acagagggag aggcta   156

<210> 1955
<211> 156
<212> DNA
<213> Artificial Sequence

<400> 1955
ttctgtaggg ttgattttct ttacattttc catacttcta gcctctcctt tttctaattt 60
gtccacgtct tcctctaatg ctttagcacg ttccgcgtcc acagatgtat ctttattttc 120
ttctggttca acctcgtctg cctcatcatc cttagg   156

<210> 1956
<211> 156
<212> DNA
<213> Artificial Sequence

<400> 1956
catttactgc tacaacctca ccatatccac cagttaggtc cctaaccatt ttagcggttg 60
ttatgtccat ttttagacgc ggtttatcag tgacaatctg tctaaacctt gtgcgtcctc 120
tttcctcctc ataaatcggt gaccttgagg aaaatg   156

<210> 1957
<211> 156
<212> DNA
<213> Artificial Sequence

<400> 1957
tgtgggtgca tggttttgaa catatcaaac gtaagccacg taggagcctc atagccctct 60
ctaaatcgtt caaaggtaac ttgtacctca tcccatttag aacacctctg agcgtctcta 120
tacgcctgta tttgaacatc caaagcgtcc tcaccc   156

<210> 1958
<211> 156
<212> DNA
<213> Artificial Sequence

<400> 1958
aatgtctaaa ttagttgcgt catactctag cgtgccctca aacactacgt taaaatatct 60
atcaggtaat gcgtcaaaca ctagtttcat aggttcccta ctcattactt gtgcaactag 120
taaatctttt gtctcactaa tagaaagtcc tgagtg   156

<210> 1959
<211> 156
<212> DNA
<213> Artificial Sequence

<400> 1959
cactcaggac tttctattag tgagacaata gatttactag ttgcacaagt aatgagtagg 60
gaacctatga aactagtgtt tgacgcatta cctgatagat attttaacgt agtgtttgag 120
ggcacgcaag agtatgacgc aactaattta gacatt   156

<210>   1960
<211>   156
<212>   DNA
<213>   Artificial Sequence

<400>   1960
ttaagtccgt tttgtgcgcc taacgtcatt aggtcaaacg cttgcttact atctagaccc 60
cacgagttca taatggcgcc cgcaccgcgt agggtttcat ttacgtctgt atcaaacatc 120
tttgaaatcg ataccgcgta acgtgtaagg ttctgt   156

<210>   1961
<211>   156
<212>   DNA
<213>   Artificial Sequence

<400>   1961
cgggctaaaa agacagaggg agaggctaca ggtaatctca ccaacttcct aactaaggag 60
cttaattttt gggttgcgga ccaagcaacg tcatacattt ctgtagacga gtgggaaaag 120
gcgtacacag acgaggagtt tgacatcaca gggcgt   156

<210>   1962
<211>   156
<212>   DNA
<213>   Artificial Sequence

<400>   1962
tttgaatgtt ggttctgcca atttagggat ttctactaac tcagctactg tgttcattac 60
cgcgttagtt gtttccaaaa tagggtaaga acctgacgtt gtgctaactg ttactacgtt 120
gatatagttt tgtaggtcta cgattgtctc aggtaa   156

<210>   1963
<211>   156
<212>   DNA
<213>   Artificial Sequence

<400>   1963
aatattttac tagaagaaac tgtggcatat aatttgggac tgagagacgc catctttatt 60
agggtgtcag aacttacaaa tattgtaagg gaacacttca caacttacgt atatagtggc 120
atgcttgttg tctccaagtt agagcaattg gatgag   156

<210>   1964
<211>   156
<212>   DNA
<213>   Artificial Sequence

<400>   1964
tttgaatgtt ggttctgcca atttagggtt ttctactaac tcagctactg tgttcattac 60
cgcgttagtt gtttccaaaa tagggtaaga acctgacgtt gtgctaactg ttactacgtt 120
gatatagatt tgtaggtcta cgattgtctc aggtaa   156

<210>   1965
<211>   156
<212>   DNA
<213>   Artificial Sequence

<400>   1965
cgcttgcgta acgttctgac cagtttattt cctcgaactc ataaaagtat gcttcactgt 60
acgcgtttat aagcgcgtca agagggtcaa tcttgttgcg gttaacttgt ttatcaatca 120
taattaactc gtttgactct tttgtaaatg cgttgt   156

<210>   1966
<211>   156
<212>   DNA
<213>   Artificial Sequence

<400>   1966
ttaagtccgt tttgtgcgcc taacgtcagt aggtcaaacg cttgcttact atctagaccc 60
cacgagttca taatggcgcc cgcaccgcgt agggtttcat ttacgtctgt atcaaacatc 120
tttgaaaacg ataccgcgta acgtgtaagg ttctgt   156

<210>   1967
<211>   156
<212>   DNA
<213>   Artificial Sequence

<400>   1967
ctcatccaat tgctctaact tggagacacc aagcatgcca ctatatacgt aagttgtgaa 60
gtgttccctt acaatatttg taagttctga caccctaata aagatggcgt ctctcagtcc 120
caaattaaat gccacagttt cttctagtaa aatatt   156

<210>   1968
<211>   156
<212>   DNA
<213>   Artificial Sequence

<400>   1968
tagcctctcc ctctgtcttt ttagcccggt tgtgttctaa catatgtgtg cgaacgtcag 60
gtttttcaaa aagagggtta gatttaaacc agttttcctc gtcatccgcc tcgtcaaaac 120
tatccatttc ccaccataga gctaagtagt gttcag   156

<210>   1969
<211>   156
<212>   DNA
<213>   Artificial Sequence

<400>   1969
cattttcctc aaggtcaccg atttatgagg aggaaagagg acgcacaagg tttagacaga 60
ttgtcactga taaaccgcgt ctaaaaatgg acataacaac cgctaaaatg gttagggacc 120
taactggggg atatggtgag gttgtagcag taaatg   156

<210>   1970
<211>   156
<212>   DNA
<213>   Artificial Sequence

<400>   1970
caaccctaca tggtttcatg atagactatt gtggaggagg taatataatg ttaataccaa 60
cggaacaaca gcaaatggtc atagacaaat gggaaacaca taatctaaat catagtgagg 120
ttggctcagg caagacactc atggcattag aatcgt   156

<210>   1971
<211>   156
<212>   DNA
<213>   Artificial Sequence

<400>   1971
cgcttgcgta acgttctgac cagtttatgt cctcgaactc ataaaagtat gcttcactgt 60
acgcgtttat aagcgcgtca agagggtcaa tcttgttgcg gttaacttgt ttatcaatca 120
taattaactc gtttgactct tttgtaaatg cgttgt   156

<210>   1972
<211>   156
<212>   DNA
<213>   Artificial Sequence

<400>   1972
ttaagtccgt tttgtgcgcc taacgtcagt aggtcaaacg cttgcttact atctagaccc 60
cacgagttca taatggcgcc cgcaccgcgt agggtttcat ttacgtctgt atcaaacatc 120
tttgaaatcg ataccgcgta acgtgtaagg ttctgt   156

<210>   1973
<211>   156
<212>   DNA
<213>   Artificial Sequence

<400>   1973
tagcctctcc ctctgtcttt ttagcccgat tgtgttctaa catatgtgtg cgaacgtcag 60
gtttttcaaa aagagggtta gatttaaacc agttttcctc gtcatccgcc tcgtcaaaac 120
tatccatgtc ccaccataga gctaagtagt gttcag   156

<210>   1974
<211>   156
<212>   DNA
<213>   Artificial Sequence

<400>   1974
tgtgggtgca tggttttgaa catatcaatc gtaagccacg taggagcctc atagccctct 60
ctaaatcgtt caaaggtaac ttgtacctca tcccatttag aacacctctg agcgtctcta 120
tacgcctgta tttgaacatc caaagcgtcc tcaccc   156

<210>   1975
<211>   156
<212>   DNA
<213>   Artificial Sequence

<400>   1975
cactcaggac tttctattag tgagacaata gatttactag ttgcacaagt aatgagtagg 60
gaacctatga aactagtgtt tgacgcatta cctgatagat attttaacgt agtgtttgag 120
ggcacgctag agtatgacgc aactaattta gacatt   156

<210>   1976
<211>   156
<212>   DNA
<213>   Artificial Sequence

<400>   1976
tttgaatgtt ggttctgcca atttagggat ttctactaac tcagctactg tgttcattac 60
cgcgttagtt gtttccaaaa tagggtaaga acctgacgtt gtgctaactg ttactacgtt 120
gatatagatt tgtaggtcta cgattgtctc aggtaa   156

<210>   1977
<211>   156
<212>   DNA
<213>   Artificial Sequence

<400>   1977
ctcatccaat tgctctaact tggagacacc aagcatgcca ctatatacgt aagttgtgaa 60
gtgttccctt acaatatttg taagttctga caccctaata aagatggcgt ctctcagtcc 120
caaattatat gccacagttt cttctagtaa aatatt   156

<210>   1978
<211>   156
<212>   DNA
<213>   Artificial Sequence

<400>   1978
caaccctaca tggtttcatg atagactatt gtggaggagg taatataatg ttaataccaa 60
cggaacaaca gcaaatggtc atagacaaat gggaaacaca taatctaaat catagtgagg 120
ttggctctgg caagacactc atggcattag aatcgt   156

<210>   1979
<211>   155
<212>   DNA
<213>   Artificial Sequence

<400> 1979
tgttggagta ggcagccttt tcgtgcaggt tgatggtatt gatgaatggt tctactatga 60
ccgttttgaa cgtgactatg ttaatgaggg aattgaatat agtttgaaag ataaacatgg 120
tgctaccttg agtgtcgcta ggttatataa agata   155

<210> 1980
<211> 155
<212> DNA
<213> Artificial Sequence

<400> 1980
gacttcacac acaacccatt ggcgggacca cgtgagataa gttgtgaaga tggtgcactt 60
gacttactta ataatgttgt acctgctatt aaaaccacgt cacctcaatc gtttcaatac 120
tactggaaca ttgtcatgag agacacgggc tttac   155

<210> 1981
<211> 155
<212> DNA
<213> Artificial Sequence

<400> 1981
agagtggcaa gctcaagaga gttacaaaac attaggtaaa ataagaaaca tgaataaagg 60
ggtcttatgt ggggaacaaa acaaattatt agtagtagac tgtgacgtaa aaggtaaagc 120
aaacggacta cactctttta ctaccttaat gaaag   155

<210> 1982
<211> 155
<212> DNA
<213> Artificial Sequence

<400> 1982
tcatcaaaga tggagcaaca aacatctaac ccatctaata cagatgagtc tgaggctaga 60
gctttacaaa aagagtcatc ttttgtctca atgtcatatt tgtttacttt tgtaaactca 120
cgaacctgtt tagatttctt tctaacagcc tgtag   155

<210> 1983
<211> 155
<212> DNA
<213> Artificial Sequence

<400> 1983
taccagggta tttggcaatc accttacgcg ctacattagt aaggtattta tacacacccg 60
ctgtacctac agacgtatct aggctcccgc tctcaaacgc ctcagtaaca cgtgacgtaa 120
gagcgctcgt agctttctta atcattccac gggca   155

<210> 1984
<211> 155
<212> DNA
<213> Artificial Sequence

<400> 1984
tgtttgatta gagagcgacc ggatggactt gtaagtaaac ctcagattgt aaatatcttg 60
cgtagtaaac cagatacaaa cctaacgtcc tacggttggt tgtatgctat taccatgtat 120
acccttttat atgggtctgc gtttgcaatc attag   155

<210> 1985
<211> 155
<212> DNA
<213> Artificial Sequence

<400> 1985
gcgtttgata aggttagcag tgttgttggt gacgtttggg actacgcaac taacccaagc 60
aaattagttg aaaaagtatt ctctagcgta gtagacacct caggtctcat aaaatatcct 120
ctagacggtg cccgtggaat gattaagaaa gctac   155

<210>   1986
<211>   155
<212>   DNA
<213>   Artificial Sequence

<400>   1986
aaatcatata cgtcaatcat atcctcgtta tactcaaaat catgtaatgt tagttccatt 60
ctattcatcc tcctcaaata agtcatatgt tttaatctct ggtaattttg gcaatttata 120
cgtgctattg tgtcccgtgt ctatcaagtg aaaaa   155

<210>   1987
<211>   155
<212>   DNA
<213>   Artificial Sequence

<400>   1987
gatgaggtac aagttacctt tgaacgattt agagagggct atgaggctcc tacgtggctt 60
acgtttgata tgttcaaaac catgcaccca catttagcca atgtgaatgt aactcagtca 120
aaaataactg agtcccttac ctcattcttt gaacg   155

<210>   1988
<211>   155
<212>   DNA
<213>   Artificial Sequence

<400>   1988
tagtaaatcg cctgtaccct gagtcctatt taacccatga aaatatcata ccaataatga 60
acttctgaaa gtctgctagt cctaccctct taccgctttt ggggtctggt aggttgtcaa 120
tgaaagcgat tggtttttct gctaattctg gtcta   155

<210>   1989
<211>   155
<212>   DNA
<213>   Artificial Sequence

<400>   1989
gtaaagcccg tgtctctcat gacaatggtc cagtagtatt gaaacgattg aggtgacgtg 60
gttttaatag caggtacaac attattaagt aagtcaagtg caccatcttc acaacttatc 120
tcacgtgttc ccgccaatgg gttgtgtgtg aagtc   155

<210>   1990
<211>   155
<212>   DNA
<213>   Artificial Sequence

<400>   1990
tccctcatta acagactcac gttcaaaccg gtcatagtag acccattcat caataccatc 60
aacctgcacg aaaaggctgc ctactccaac catggtatat cgtttacctt tttccaatat 120
ttcttctaca cataaagtgt ctacacatac tactc   155

<210>   1991
<211>   155
<212>   DNA
<213>   Artificial Sequence

<400>   1991
acagtgacta caggcaactc aaagcgtggt accctatacg caaccaacga acctctattc 60
tagctgtata tgcaaacaac ggtttagacc taatggaggc agtacagcaa tatgagaaag 120
tacgcgcgga gggaatgcgt ttacaggagc aagaa   155

<210>   1992
<211>   155
<212>   DNA
<213>   Artificial Sequence

<400> 1992
gagacaaaca atttagacgt acaaggtatt tgttatgacc ctgcacagtc tcaattaatt 60
accacaagac tagcagacgg gtatgaggac gtactctttg atgtacgtca gtcttatatg 120
cgattaatcc cacctactaa acaattacaa gtgga   155

<210> 1993
<211> 155
<212> DNA
<213> Artificial Sequence

<400> 1993
tccacttgta attgtttagt aggtgggttt aatcgcatat aagactgacg tacatcaaag 60
agtacgtcct catacccgtc tgctagtctt gtggtaatta attgagactg tgcagggtca 120
taacaaagac cttgtacgtc taaattgttt gtctc   155

<210> 1994
<211> 155
<212> DNA
<213> Artificial Sequence

<400> 1994
ccaaacgtca aacgggtcaa aagattatta aaaacaacca atggtattat gtaactaaga 60
actcaggtaa gaaaatacct gcctcaggat gggtcagtgg atattaccta caaaacccta 120
aacgtgtgga acacaagaag aaagagacct actct   155

<210> 1995
<211> 155
<212> DNA
<213> Artificial Sequence

<400> 1995
gttccgctgt acaatgacac gtgaccaaac gggtaagaag ttcacttgga actttgagca 60
tatccaatca aacaacggaa ttaaaccagt tacaaaaaac ccatttacct acaatgcacc 120
tgtagcacac aaagcttccg ttgttaaaac atcta   155

<210> 1996
<211> 155
<212> DNA
<213> Artificial Sequence

<400> 1996
tctacagaac aataatatgt atatacattt gattgtcctg catttactgt gattgttttt 60
cctgttgctg tccatgatgt gtctaatacg tttgaggcgt catatctacg ccatacaaac 120
gaagtaatat tatcagtaat gtcatccttg ccttt   155

<210> 1997
<211> 155
<212> DNA
<213> Artificial Sequence

<400> 1997
cgttgttata ctagctcata cgcaacatca aggttaccta aatcattttt agcaatctta 60
acaataacaa actcatcctc aacttcatcc tgttccccat ccacgcgtat agtcactttc 120
ttttctagtt cttgctcctg taaacgcatt ccctc   155

<210> 1998
<211> 155
<212> DNA
<213> Artificial Sequence

<400> 1998
gatgaggtac aagttacctt tgaacgaatt agagagggct atgaggctcc tacgtggctt 60
acgtttgata tgttcaaaac catgcaccca catttagcca atgtgaatgt aactcagtca 120
aaaataaatg agtcccttac ctcattcttt gaacg   155

<210>   1999
<211>   155
<212>   DNA
<213>   Artificial Sequence

<400>   1999
tagatgtttt aacaacggaa gctttgtttg ctacaggtgc attgtaggta aatgggtttt 60
ttgtaactgg tttaattccg ttgtttgatt ggatatgctc aaagttccaa gtgaacttct 120
tacccgtgtg gtcacgtgtc attgtacagc ggaac   155

<210>   2000
<211>   155
<212>   DNA
<213>   Artificial Sequence

<400>   2000
tagcaccatc accaatggtt gtggactttg gtacttttat tacagggcaa tcactagacg 60
agattgaaca tttaaaaaat tctgacattt acacagcaac aaacattatc agtggcgata 120
ttgctaactg tttgattaga gagcgaccgg atgga   155

<210>   2001
<211>   155
<212>   DNA
<213>   Artificial Sequence

<400>   2001
ttttgtattg gctgtagaat atatttgacg ggacgccatt ggcgaacgtt cgtaaagaag 60
ttcatataat gcaatacccg cgattaataa tgatttaccg ttcttacgac tcatggagat 120
taccactata gtaaatcgcc tgtaccctga gtcct   155

<210>   2002
<211>   155
<212>   DNA
<213>   Artificial Sequence

<400>   2002
aaatcatata cgtcaatcat atcctcggta tactcaaaat catgtaatgt tagttccatt 60
ctattcatcc tcctcaaata agtcatatgt tttaatctct ggtaattttg gcaatttata 120
cgtgctaatg tgtcccgtgt ctatcaagtg aaaaa   155

<210>   2003
<211>   155
<212>   DNA
<213>   Artificial Sequence

<400>   2003
aaaggcaagg atgacattac tgataatttt acttcgtttg tatggcgtag atatgacgcc 60
tcaaacgtat tagacacatc atggacagca acaggaaaaa caatcacagt aaatgcagga 120
caatcaactg tatatacata ttattgttct gtaga   155

<210>   2004
<211>   155
<212>   DNA
<213>   Artificial Sequence

<400>   2004
tgtttaacga ctcatcaact aacagaatag tctattatag caatgactta ttaaccaact 60
acttgccagc aggagttaaa tattccgtca caatagacgc attcagcaac aataatgggt 120
taattagtgt aggtaatttt gacgctctca gtaca   155

<210>   2005
<211>   155
<212>   DNA
<213>   Artificial Sequence

<400>   2005
tgtttaacga ctcatcaact aacagaagag tctattatag caatgactta ttaaccaact 60
acttgccagc aggagttaaa tattccgtca caatagacgc attcagcaac aataatgggt 120
taattagtgt aggtaatttt gacgctctca gtaca   155

<210>   2006
<211>   155
<212>   DNA
<213>   Artificial Sequence

<400>   2006
gtaaagcccg tgtctctcat gacaatggtc cagtagtatt gaaacgattg aggtgacgtg 60
gttttaatag caggtacaac attattaagt aagtcaagtg caccatcttc acaacttatc 120
tcacgtggtc ccgccaatgg gttgtgtgtg aagtc   155

<210>   2007
<211>   155
<212>   DNA
<213>   Artificial Sequence

<400>   2007
tagatgtttt aacaacggaa gctttgtgtg ctacaggtgc attgtaggta aatgggtttt 60
ttgtaactgg tttaattccg ttgtttgatt ggatatgctc aaagttccaa gtgaacttct 120
tacccgtgtg gtcacgtgtc attgtacagc ggaac   155

<210>   2008
<211>   155
<212>   DNA
<213>   Artificial Sequence

<400>   2008
aaatcatata cgtcaatcat atcctcggta tactcaaaat catgtaatgt tagttccatt 60
ctattcatcc tcctcaaata agtcatatgt tttaatctct ggtaattttg gcaatttata 120
cgtgctattg tgtcccgtgt ctatcaagtg aaaaa   155

<210>   2009
<211>   155
<212>   DNA
<213>   Artificial Sequence

<400>   2009
tccacttgta attgtttagt aggtgggatt aatcgcatat aagactgacg tacatcaaag 60
agtacgtcct catacccgtc tgctagtctt gtggtaatta attgagactg tgcagggtca 120
taacaaagac cttgtacgtc taaattgttt gtctc   155

<210>   2010
<211>   155
<212>   DNA
<213>   Artificial Sequence

<400>   2010
tctacagaac aataatatgt atatacagtt gattgtcctg catttactgt gattgttttt 60
cctgttgctg tccatgatgt gtctaatacg tttgaggcgt catatctacg ccatacaaac 120
gaagtaatat tatcagtaat gtcatccttg ccttt   155

<210>   2011
<211>   155
<212>   DNA
<213>   Artificial Sequence

<400>   2011
ctttcattaa ggtagtaaaa gagtgtagtc cgtttgcttt acctttttacg tcacagtcta 60
ctactaataa tttgttttgt tccccacata agaccccttt attcatgttt cttattttac 120
ctaatgtatt gtaactctct tgagcttgcc actct   155

<210>   2012
<211>   155
<212>   DNA
<213>   Artificial Sequence

<400>   2012
gatgaggtac aagttacctt tgaacgaatt agagagggct atgaggctcc tacgtggctt 60
acgtttgata tgttcaaaac catgcaccca catttagcca atgtgaatgt aactcagtca 120
aaaataactg agtcccttac ctcattcttt gaacg   155

<210>   2013
<211>   154
<212>   DNA
<213>   Artificial Sequence

<400>   2013
ttaacatatc ctcccaatca cactgaccgt caggacggga cgaaatttca caataccccct 60
gtttggaata ttgtctatag ggtgttctat cgttagcctc tttctgaaca ataccaccac 120
ccgttgttgc tacccacgcg tgagagtcaa caat   154

<210>   2014
<211>   154
<212>   DNA
<213>   Artificial Sequence

<400>   2014
atagcgtaag tattacaata aatgactagc atgccagcgt ctagttttga aattggtagc 60
tgtttaagtt gtggaacaag gtcctcgtaa atcaaccacc cttccttagt aagtccctca 120
ggaatatcgt ctaatgaaag ttgttcataa ttat   154

<210>   2015
<211>   154
<212>   DNA
<213>   Artificial Sequence

<400>   2015
ttctatcgtt gaaatatccc tctttaaatt gagggttacc tttgacaagt tcgtatacct 60
tgtccccaac tttacctaag aacgtaccta ctttattatc actatcacca cttttaaact 120
cttgcgcgtg tgggtaaatg acagagtata gtag   154

<210>   2016
<211>   154
<212>   DNA
<213>   Artificial Sequence

<400>   2016
acctgaacca actgaatttt ttatgactga gggttacgag cgtgacaggg aatacgttgg 60
agaggtgttc agagtagctc atagcgctga agaaattgac ggacaaacgc accaacttga 120
actaagtatt gatggtcacc tatggtgggt atat   154

<210>   2017
<211>   154
<212>   DNA
<213>   Artificial Sequence

<400>   2017
gtgaacctcc tccaattata acttctttat aaattataac acgaaaaaga caaccctagt 60
tgggttgcct cgttcgttta ttacagtcca aaaccaaaat caccgcttgc gtaacgttct 120
gaccagtgta tttcctcgaa ctcataaaag tatg   154

<210>   2018
<211>   154
<212>   DNA
<213>   Artificial Sequence

<400> 2018
ggtgctttga caggcgttgt aagggacggt cctgaccatg cgtttggtgc gaatgttgta 60
gcccacttag gtttaaacgc ctcagaaggg ctgtagtccc atgaacccat gtagaggttt 120
ggtctagcag ggtcgttaga cgtatttggg tact   154

<210> 2019
<211> 154
<212> DNA
<213> Artificial Sequence

<400> 2019
attttatgac catcaatcag gtaactgatt aggacgaaca aagacaggta ccctacaatt 60
aaacacagac gacagcggtt taaagttccg tctacaatta ccaaataccc aattaggtag 120
agacgtctat gagttagtaa aacgcggtga ccta   154

<210> 2020
<211> 154
<212> DNA
<213> Artificial Sequence

<400> 2020
ctactatact ctgtcattta cccacaagcg caagagttta aaagtggtga tagtgataat 60
aaagtaggta cgttcttagg taaagttggg gacaaggtat acgaacttgt caaaggtaac 120
cctcaatgta aagagggata tttcaacgat agaa   154

<210> 2021
<211> 154
<212> DNA
<213> Artificial Sequence

<400> 2021
tcaccttaat cataattaac catcccgtgt ctttattggt tggtactcgt tcaccccgta 60
ggcttaaccc tcaaccttat gaacctagta taaacaatta aactctaata gtcaattaaa 120
aaaccattag agtttaatga gaatattcta ttta   154

<210> 2022
<211> 154
<212> DNA
<213> Artificial Sequence

<400> 2022
attttatgac catcaatcag gtaacttatt aggacgaaca aagacaggta ccctacaatt 60
aaacacagac gacagcggtt taaagttccg tctacaatta ccaaataccc aattaggtag 120
agacgtcgat gagttagtaa aacgcggtga ccta   154

<210> 2023
<211> 154
<212> DNA
<213> Artificial Sequence

<400> 2023
atcacaagag cagttagtta aagttataga aatggcgcag ttgggtaatt atctaattta 60
tagacgacat aacggagata gtgcctgtct tactatcatg gacttcacac acaacccatt 120
ggcgggaaca cgtgagataa gttgtgaaga tggt   154

<210> 2024
<211> 154
<212> DNA
<213> Artificial Sequence

<400> 2024
tcaccttaat cataattaac catcccttgt ctttattggt tggtactcgt tcaccccgta 60
ggcttaaccc tcaaccttat gaacctagta taaacaatta aactctaata gtcaattaaa 120
aaaccatgag agtttaatga gaatattcta ttta   154

<210>   2025
<211>   154
<212>   DNA
<213>   Artificial Sequence

<400>   2025
cgttttaaca gcagaagaaa ctgcacaagt gttaggtcat aaacgtccta agtttgcata 60
caaaaaaggt actggcttct ttgacaaaat tacaggaggc gtaaaaatca tctggaacgg 120
tgccaaaaac atggctaaaa gtgcgtttga taag   154

<210>   2026
<211>   154
<212>   DNA
<213>   Artificial Sequence

<400>   2026
ctatagacat taatatgtca ttagcgtctg tcaaaataac caactcataa cgtccgttct 60
tttctgacgt agtaccgaag tctatccgtt cctcaaattt aaaggctcct gttcgtaaac 120
ctgttgaggg tgctttgaca ggcgttgtaa ggga   154

<210>   2027
<211>   154
<212>   DNA
<213>   Artificial Sequence

<400>   2027
gccactatca gtggtgaggg tagacattga gttaaaagat gggttctata atttaggtaa 60
gcctgaaatt gcaggcaagg ttgatgaagt tccaccgcgt cccaataaac caagcgggaa 120
acaatatgta gtaatttatg atattgaggt attt   154

<210>   2028
<211>   154
<212>   DNA
<213>   Artificial Sequence

<400>   2028
ctgttacgtg ggttattcct atccctgaaa aagaattgtt tattgttgac tctcacgcgt 60
gggtagcaac aacgggtggt ggtattgttc agaaagaggc taacgataga acaccctata 120
gacaatagtc caaacagggg tattgtgaaa tttc   154

<210>   2029
<211>   154
<212>   DNA
<213>   Artificial Sequence

<400>   2029
taatgacata ttaatgtcta tagccaaccg tgactctgac gcaaaaggca atgaagtgat 60
tgttgaatac tggtacggta acaagttact aaaatctatc aagacagacg taactaagta 120
caaatcatct tggttccgct gtacaatgac acgt   154

<210>   2030
<211>   154
<212>   DNA
<213>   Artificial Sequence

<400>   2030
taatgacata ttaatgtcta tagccatccg tgactctgac gcaaaaggca atgaagtgat 60
tgttgaatac tggtacggta acaagttact aaaatctatc aagacagacg taactaagta 120
caaatcaact tggttccgct gtacaatgac acgt   154

<210>   2031
<211>   154
<212>   DNA
<213>   Artificial Sequence

<400>   2031
tcataaaaaa ttcagttggt tcaggtgtaa tcaagcgcac cttcgtcccc actggtaggg 60
gtttagtaaa attatcctca aatactttac tcattttgtt ttcctccctt tatcctaata 120
catcgtcaat acggtctgaa atcgtgtctc tatc   154

<210>   2032
<211>   154
<212>   DNA
<213>   Artificial Sequence

<400>   2032
gtgaacctcc tccaattata acttctatat aaattataac acgaaaaaga caaccctagt 60
tgggttgcct cgttcgttta ttacagtcca aaaccaaaat caccgcttgc gtaacgttct 120
gaccagttta tttcctcgaa ctcataaaag tatg   154

<210>   2033
<211>   154
<212>   DNA
<213>   Artificial Sequence

<400>   2033
ttctatcgtt gaaatatccc tctttacatt gagggttacc tttgacaagt tcgtatacct 60
tgtccccaac tttacctaag aacgtaccta ctttattatc actatcacca cttttaaact 120
cttgcgcgtg tgggtaaatg acagagtata gtag   154

<210>   2034
<211>   154
<212>   DNA
<213>   Artificial Sequence

<400>   2034
atcacaagag cagttagtta aagttataga aatggcgcag ttgggtaatt atctaattta 60
tagacgacat aacggagata gtgcctgtct tactatcatg gacttcacac acaacccatt 120
ggcgggacca cgtgagataa gttgtgaaga tggt   154

<210>   2035
<211>   154
<212>   DNA
<213>   Artificial Sequence

<400>   2035
tcaccttaat cataattaac catcccgtgt ctttattggt tggtactcgt tcaccccgta 60
ggcttaaccc tcaaccttat gaacctagta taaacaatta aactctaata gtcaattaaa 120
aaaccatgag agtttaatga gaatattcta ttta   154

<210>   2036
<211>   154
<212>   DNA
<213>   Artificial Sequence

<400>   2036
gccactatca gtggtgaggg tagacagtga gttaaaagat gggttctata atttaggtaa 60
gcctgaaatt gcaggcaagg ttgatgaagt tccaccgcgt cccaataaac caagcgggaa 120
acaatatgta gtaatttatg atattgaggt attt   154

<210>   2037
<211>   154
<212>   DNA
<213>   Artificial Sequence

<400>   2037
taatgacata ttaatgtcta tagccaaccg tgactctgac gcaaaaggca atgaagtgat 60
tgttgaatac tggtacggta acaagttact aaaatctatc aagacagacg taactaagta 120
caaatcaact tggttccgct gtacaatgac acgt   154

<210>   2038
<211>   154
<212>   DNA
<213>   Artificial Sequence

<400>   2038
catactttta tgagttcgag gaaatacact ggtcagaacg ttacgcaagc ggtgattttg 60
gttttggact gtaataaacg aacgaggcaa cccaactagg gttgtctttt tcgtgttata 120
atttatatag aagttataat tggaggaggt tcac   154

<210>   2039
<211>   154
<212>   DNA
<213>   Artificial Sequence

<400>   2039
taggtcaccg cgttttacta actcatcgac gtctctacct aattgggtat ttggtaattg 60
tagacggaac tttaaaccgc tgtcgtctgt gtttaattgt agggtacctg tctttgttcg 120
tcctaatcag ttacctgatt gatggtcata aaat   154

<210>   2040
<211>   153
<212>   DNA
<213>   Artificial Sequence

<400>   2040
ttggcgatta tattaaaacc atcacggagt tattatggaa tatgggcgcc atcatgtttg 60
aaaaggttta tccattatta aaacccatac tagacacgat ttttagtgcg ttcggtagca 120
ttttcaatca ggtaagcgag ttctataatc agt   153

<210>   2041
<211>   153
<212>   DNA
<213>   Artificial Sequence

<400>   2041
attatgctac aattgacaaa aaaggattta gtggtggtta tcaccttaaa caaacactaa 60
attaggggag gaatttaaat gaacacatat acagtttatt accgtaacat tgatgagcac 120
tattgctgta gtattcacgt tgacgcatat act   153

<210>   2042
<211>   153
<212>   DNA
<213>   Artificial Sequence

<400>   2042
tggcggtcac cctgtagatg gtcccatgac tgtcaatgat ggacgtggtg ctgaaatggt 60
tattgaccca agtggtcaag cggttatccc taaaggtaag aacgtaacga tgtggggacg 120
aaaaggaccc cacgttttaa cagcagaaga aac   153

<210>   2043
<211>   153
<212>   DNA
<213>   Artificial Sequence

<400>   2043
tcgacttaca agcgggtgga gcatatagtg ctgttttagg tattaccgca gacgaaaatg 60
gtattatgac agtggggcag gacactcaag ctccttatgt ctctgttact attgtatcag 120
atgacgcaga tggtaatgag gtatatatgg gac   153

<210>   2044
<211>   153
<212>   DNA
<213>   Artificial Sequence

<400>   2044
taactttgat tgtatgctag tctatttatc attttactca tgtagtcaac ttggttctgt 60
aacgtgtcta ctgcgttatc ttgagtgcta tatccgttta gttcataaat gaggtcgtcc 120
atggctatcg cgttgccatg gaactcctcc tct   153

<210>   2045
<211>   153
<212>   DNA
<213>   Artificial Sequence

<400>   2045
tatgattaag gtgatgaatt gggagtatga atatggaatg aaacgagtag cattctacaa 60
agaaattggt catgagattg agcttttaga tagagaaaaa tgtatacact tttatagaga 120
cggacgtgat tatgctacaa ttgacaaaaa agg   153

<210>   2046
<211>   153
<212>   DNA
<213>   Artificial Sequence

<400>   2046
tttatcaagg ttgaacatgg cacaaataaa cgctttagca agtaacccat caacacaacc 60
atagaagcgt agctcagtgg cgtctacgtc tttccaacaa taagcaacct ctttgcgtag 120
ttcctcagct gttagtttac cgccttgttc aaa   153

<210>   2047
<211>   153
<212>   DNA
<213>   Artificial Sequence

<400>   2047
gtgtcacctt gttttattgt ttgccatgta ctgagagcgt caaaattacc taccctaatt 60
aacccattat tgttgctgaa tgcgtctatt gtgacggaat atttaactcc tgctggcaag 120
tagttggata ataagtcatt gctataatag act   153

<210>   2048
<211>   153
<212>   DNA
<213>   Artificial Sequence

<400>   2048
taactttgat tgtatgctag tctatgtatc attttactca tgtagtcaac ttggttctgt 60
aacgtgtcta ctgcgttatc ttgagtgcta tatccgttta gttcataaat gaggtcgtcc 120
atggctaacg cgttgccatg gaactcctcc tct   153

<210>   2049
<211>   153
<212>   DNA
<213>   Artificial Sequence

<400>   2049
tgtaacatgg taacatggtc cctaattccc tcgtagaagt cagccataat taattgccca 60
atcacacatg ttagaaattg aaaacgtggg tcatataacc cattaaactc tgcacctgtg 120
gcaccaacca atgtattaat aggcaatttt acc   153

<210>   2050
<211>   153
<212>   DNA
<213>   Artificial Sequence

<400>   2050
tggcggtcac cctgtagatg gtcccctgac tgtcaatgat ggacgtggtg ctgaaatggt 60
tattgaccca agtggtcaag cggttatccc taaaggtaag aacgtaacga tgtggggacg 120
aaaaggaacc cacgttttaa cagcagaaga aac   153

<210>   2051
<211>   153
<212>   DNA
<213>   Artificial Sequence

<400>   2051
tgtaacatgg taacatggtc cctaagtccc tcgtagaagt cagccataat taattgccca 60
atcacacatg ttagaaattg aaaacgtggg tcatataacc cattaaactc tgcacctgtg 120
gcaccaacca atgtattaat aggcaatttt acc   153

<210>   2052
<211>   153
<212>   DNA
<213>   Artificial Sequence

<400>   2052
tttgaacaag gcggtaaact aacagctgag gaactacgca aagaggttgc ttattgttgg 60
aaagacgtag acgccactga gctacgcttc tatggttgtg ttgatgggtt acttgctaaa 120
gcgtttaatt gtgccatgtt caaccttgat aaa   153

<210>   2053
<211>   153
<212>   DNA
<213>   Artificial Sequence

<400>   2053
taactttgat tgtatgctag tctatgtatc attttactca tgtagtcaac ttggttctgt 60
aacgtgtcta ctgcgttatc ttgagtgcta tatccgttta gttcataaat gaggtcgtcc 120
atggctatcg cgttgccatg gaactcctcc tct   153

<210>   2054
<211>   153
<212>   DNA
<213>   Artificial Sequence

<400>   2054
tttgaacaag gcggtaaact aacagatgag gaactacgca aagaggttgc ttattgttgg 60
aaagacgtag acgccactga gctacgcttc tatggttgtg ttgatgggtt acttgctaaa 120
gcgtttaatt gtgccatgtt caaccttgat aaa   153

<210>   2055
<211>   153
<212>   DNA
<213>   Artificial Sequence

<400>   2055
caggtaagcg agttctataa tcagtctggt aaacaaatca tggaagcgtt catgaacttc 60
cttaatttta ttagtccact actaaaaatt gtaattggtt tagttggtga ctttgtcaac 120
aatgttatcg ggttcattca aggtatggtt gac   153

<210>   2056
<211>   153
<212>   DNA
<213>   Artificial Sequence

<400>   2056
agtctactac taataatttg ttttggtccc cacataagac ccctttattc atgtttctta 60
ttttacctaa tgtattgtaa ctctcttgag cttgccactc ttttatcgcg ggaattttag 120
tacgcgcttt gagaggaaac cccttaaatt ggt   153

<210>   2057
<211>   153
<212>   DNA
<213>   Artificial Sequence

<400>   2057
gtttcttctg ctgttaaaac gtggggtcct tttcgtcccc acatcgttac gttcttacct 60
ttagggataa ccgcttgacc acttgggtca ataaccattt cagcaccacg tccatcattg 120
acagtcaggg gaccatctac agggtgaccg cca   153

<210>   2058
<211>   152
<212>   DNA
<213>   Artificial Sequence

<400>   2058
ttgtaccatc agtgtactcc cacgttgtac gtgtccatag gtatttacct ttttctagag 60
ttgggatggt tgtactccat cctgatgtag gttcatcaac gcttgaggta ttgattgccc 120
actctgtgtt agttgatttg acagaggcgc ca   152

<210>   2059
<211>   152
<212>   DNA
<213>   Artificial Sequence

<400>   2059
tgggactaca gcccttctga ggcgattaaa cctaagtggg ctacaacatt cgcaccaaac 60
gcatggtcag gaccttccct tacaacgcct gtcaaagcac catcaacagg tttacgaaca 120
ggagccttta aatttgagga acggatagac tt   152

<210>   2060
<211>   152
<212>   DNA
<213>   Artificial Sequence

<400>   2060
ttctagtaag taggtatggt actacagtag atagtgcgat tccgtcaggc gcatggataa 60
acatctcttg cgtatatgcg ggtcaagatt tattctatgg gggataatta tgttagagca 120
atttaaaacg gagtatatta acaaggtatt aa   152

<210>   2061
<211>   152
<212>   DNA
<213>   Artificial Sequence

<400>   2061
gtcctctttt accattttac gcgtgattct acttctatca tctgtgttgt atctgtttgc 60
tagaagaata ccgtccgtga agagtttcaa ttcaacaagg tcaccctcat tacccgtgtg 120
ctcaaatagt ccactattaa aggctaaatc aa   152

<210>   2062
<211>   152
<212>   DNA
<213>   Artificial Sequence

<400>   2062
tttgaactaa tttgttcata tacgttctca tagaggttgg tttcactgtt gaacgtaaca 60
gcgtaaccct caacaatcat gtcctcattt tcctcaagtg ctctaatctc aatgctacgc 120
gtctccgatt tcatcattag tagcctcctt at   152

<210>   2063
<211>   152
<212>   DNA
<213>   Artificial Sequence

<400>   2063
ttaaacccac tcacgtacac acgtggaccc gctacagtat tcaagtcatc tacgtggtgt 60
tgcttagggt tcgtgcatat tgccttaata cgcgaacgtt taccctcatt gtacatatag 120
tccctcaggt cctcttttac cattttacgc gt   152

<210>   2064
<211>   152
<212>   DNA
<213>   Artificial Sequence

<400>   2064
ggcactgacc ctaatactga tacttttgag gggtctgcta ttagtgactc acgtggatat 60
gtatacgcct ctggtgtgaa gtctgagacg ttgacgcttg agaaattcca agactttgta 120
gcaaacaaaa caacgccagt tggacagtaa ag   152

<210>   2065
<211>   152
<212>   DNA
<213>   Artificial Sequence

<400>   2065
tttgaactaa tttgttcata tacggtctca tagaggttgg tttcactgtt gaacgtaaca 60
gcgtaaccct caacaatcat gtcctcattt tcctcaagtg ctctaatctc aatgctacgc 120
gtctccgttt tcatcattag tagcctcctt at   152

<210>   2066
<211>   152
<212>   DNA
<213>   Artificial Sequence

<400>   2066
tacaccccaa acccatctga agatttcgcg aacgcatatc cgctatatat gggtcaatat 60
agtaactata ctcaagaacc tagcacggac ccaagtaagt acacgtggat gagaacaacg 120
ggacaaactg gcgcctctgt caaatcaact aa   152

<210>   2067
<211>   152
<212>   DNA
<213>   Artificial Sequence

<400>   2067
cgcaaccaac gaacctctat tctagctgta tatgcaaaca acggtttaga cctaatggag 60
gcagtacagc aagatgagaa agtacgcgct gagggaatgc gtttacagga gcaagaaata 120
gaaaagaaag tgactatacg cgtggatggg ga   152

<210>   2068
<211>   152
<212>   DNA
<213>   Artificial Sequence

<400>   2068
ttaacgactc atcaactaac agaagagtct attatagcaa tgacttatta accaactact 60
tgccagcagg agttaaatat tccgtcacaa tagacgcatt cagcaacaat aatgggttaa 120
ttagggtcgg taattttgac gctctcagta ca   152

<210>   2069
<211>   152
<212>   DNA
<213>   Artificial Sequence

<400>   2069
tatagtgaat atatgaaaat tcacagcggt tatgatacgt ataataatgg ttcctataga 60
catttgtcag ttcgccaaaa tacagagttc gccactaaat acttgtcaga gggtggtacg 120
agtattcttt tacaccagag tggtagttat ta   152

<210>   2070
<211>   152
<212>   DNA
<213>   Artificial Sequence

<400>   2070
gttcacactc caatacccaa atgataattt agtattgaat tatgatttct cgaaagaccc 60
cactattaat ggttggacag gaaatggtgc gactatagaa tattcaaacg ggaacatgcg 120
agtgttgatt aacgactcat caactaacag aa   152

<210>   2071
<211>   152
<212>   DNA
<213>   Artificial Sequence

<400>   2071
tatagtgaat atatgaaaat tcactgcggt tatgatacgt ataataatgg ttcctataga 60
catttgtcag ttcgccaaaa tacagagttc gccactaaat acttgtcaga gggtggtacg 120
agtattcatt tacaccagag tggtagttat ta   152

<210>   2072
<211>   152
<212>   DNA
<213>   Artificial Sequence

<400>   2072
ggcactgacc ctaatactga tactattgag gggtctgcta ttagtgactc acgtggatat 60
gtatacgcct ctggtgtgaa gtctgagacg ttgacgcttg agaaattcca agactttgta 120
gcaaacacaa caacgccagt tggacagtaa ag   152

<210>   2073
<211>   152
<212>   DNA
<213>   Artificial Sequence

<400>   2073
tgggactaca gcccttctga ggcgtttaaa cctaagtggg ctacaacatt cgcaccaaac 60
gcatggtcag gaccttccct tacaacgcct gtcaaagcac catcaacagg tttacgaaca 120
ggagcctata aatttgagga acggatagac tt   152

<210>   2074
<211>   152
<212>   DNA
<213>   Artificial Sequence

<400>   2074
taataactac cactctggtg taaaagaata ctcgtaccac cctctgacaa gtatttagtg 60
gcgaactctg tattttggcg aactgacaaa tgtctatagg aaccattatt atacgtatca 120
taaccgcagt gaattttcat atattcacta ta   152

<210>   2075
<211>   152
<212>   DNA
<213>   Artificial Sequence

<400>   2075
tgggactaca gcccttctga ggcgattaaa cctaagtggg ctacaacatt cgcaccaaac 60
gcatggtcag gaccttccct tacaacgcct gtcaaagcac catcaacagg tttacgaaca 120
ggagcctata aatttgagga acggatagac tt   152

<210>   2076
<211>   152
<212>   DNA
<213>   Artificial Sequence

<400>   2076
ggcactgacc ctaatactga tacttttgag gggtctgcta ttagtgactc acgtggatat 60
gtatacgcct ctggtgtgaa gtctgagacg ttgacgcttg agaaattcca agactttgta 120
gcaaacacaa caacgccagt tggacagtaa ag   152

<210>   2077
<211>   152
<212>   DNA
<213>   Artificial Sequence

<400>   2077
tttgaactaa tttgttcata tacggtctca tagaggttgg tttcactgtt gaacgtaaca 60
gcgtaaccct caacaatcat gtcctcattt tcctcaagtg ctctaatctc aatgctacgc 120
gtctccgatt tcatcattag tagcctcctt at   152

<210>   2078
<211>   151
<212>   DNA
<213>   Artificial Sequence

<400>   2078
atgtatttta tttttgacca tgaggaatat attgagtcaa aatttgaact gaaagaaaag 60
gaggctgtaa aggaaacggg aattgtacac aaagccaaaa tgtacgtgcg tttgaaaatt 120
ttcccaatgg atggctctaa cgcgcgcgta a   151

<210>   2079
<211>   151
<212>   DNA
<213>   Artificial Sequence

<400>   2079
tcctctttgt ttaggttctc accgtccccc tctattgctc ccgttgcctt acctgtgttc 60
atgtctacag ccaaaataag taaatcagta tgaatgttca ttatttttcc tcctcaaatt 120
taattagcgt atctaaatac acacgtgcct t   151

<210>   2080
<211>   151
<212>   DNA
<213>   Artificial Sequence

<400>   2080
acacaggtaa ggcaacggga gcactagagg gggaaggtga gaacctaaac aaagaggaaa 60
caattgagct attagaaggg gttgtcaagt tcttacgcga agaacttagt atgttagatg 120
aggaggaaaa cgaagatgaa taactatgag t   151

<210>   2081
<211>   151
<212>   DNA
<213>   Artificial Sequence

<400>   2081
acgttgtacc gcgcaaagca ctgtagccat ttgataggta tgcaggacgt attgttgaca 60
ctgctgtttt agttaattta gtggctcctg ctgttggtgt agccgttact gcgtcaaaga 120
gtccccaata ctgtatacta ttgtcctgtg a   151

<210>   2082
<211>   151
<212>   DNA
<213>   Artificial Sequence

<400>   2082
ttagctagta actcagtcat tactgcttta ttgattgtgt tcaacccaat acgtgttaag 60
tggcgagcaa tcaacgcaac taagtcaggg tcagagtctt gaattgcttc gttagacatt 120
ggaatatctc cgcggtgtgt ttctaccttc c   151

<210>   2083
<211>   151
<212>   DNA
<213>   Artificial Sequence

<400> 2083
aggggtcaat atggtcagaa ccagtgtttg gttgatgtgc cgttgcatat gcgtgagaaa 60
tgacacctgt attcccttgg tctagcgtct taggtagtcc cgcttcatca cataatagac 120
gaattaattc tactagtagc ttatagtctt t   151

<210> 2084
<211> 151
<212> DNA
<213> Artificial Sequence

<400> 2084
ggtgagaacc taaacaaaga ggacacaatt gagctattag aaggggttgt caagttctta 60
cgcgaagaac ttagtatgtt agatgaggag gaaaacgaag atgaataact atgagttatt 120
agtagaagtt gaaaacacag accgtatttt a   151

<210> 2085
<211> 151
<212> DNA
<213> Artificial Sequence

<400> 2085
atcattagac gcaacggaac acaagttact aagctacaga ttgtcagccc tcatacaatt 60
acaatcttac aagacacagc gagtaaagaa ttgtcatatg agtacattga ccctgacaat 120
caaaagacag aaaccatcaa gggtaaagac a   151

<210> 2086
<211> 151
<212> DNA
<213> Artificial Sequence

<400> 2086
actcatagtt attcatcttc gttgtcctcc tcatctaaca tactaagttc ttcgcgtaag 60
aacttgacaa ccccttctaa tagctcaatt gtttcctctt tgtttaggtt ctcaccttcc 120
ccctctattg ctcccgttgc cttacctgtg t   151

<210> 2087
<211> 151
<212> DNA
<213> Artificial Sequence

<400> 2087
ctcagcttca gcaacgtttt ctgtagggtt gattttcttt acattttcca tacttctagc 60
ctctccttt tctaatttgt ccacgtcttc ctctaatgct ttagcacgtt ccgcgtccac 120
agatttagct ttatttttctt ctggttcaac c   151

<210> 2088
<211> 151
<212> DNA
<213> Artificial Sequence

<400> 2088
tatcacctta aacaaacact aaattagggg aggaatttaa atgaacacat atacagttta 60
ttaccgtaac attgatgagc actattgctg tagtattcac gttgacgcat atactattga 120
acaagctctt aataaagggt tacagtacct t   151

<210> 2089
<211> 151
<212> DNA
<213> Artificial Sequence

<400> 2089
tccgcggtgt gtttctacct tcccttctac atttttgaat gttggttctg ccaatttagg 60
gttttctact aactcagcta ctgtgttcat taccgcgtta gttgtttcca aaatagggta 120
agaacctgac gttgtgctaa ctgttactac g   151

<210>   2090
<211>   151
<212>   DNA
<213>   Artificial Sequence

<400>   2090
ggttgaacca gaagaaaata aagataaatc tgtggacgcg gaacgtgcta aagcattaga 60
ggaagacgtg gacaaattag aaaaaggaga ggctagaagt atggaaaatg taaagaaaat 120
caaccctcca gaaaacgttg ctgaagctga g   151

<210>   2091
<211>   151
<212>   DNA
<213>   Artificial Sequence

<400>   2091
aggggtcaat atggtcagaa ccattgtttg gttgatgtgc cgttgcatat gcgtgagaaa 60
tgacacctgt attcccttgg tctagcgtct taggtagtcc cgcttcatca cataatagac 120
gaattaagtc tactagtagc ttatagtctt t   151

<210>   2092
<211>   151
<212>   DNA
<213>   Artificial Sequence

<400>   2092
tatcacctta aacaaacact aaagtagggg aggaatttaa atgaacacat atacagttta 60
ttaccgtaac attgatgagc actattgctg tagtattcac gttgacgcat atactattga 120
acaagctatt aataaagggt tacagtacct t   151

<210>   2093
<211>   151
<212>   DNA
<213>   Artificial Sequence

<400>   2093
gttgatggta ttgatgaatg gttatactat gaccgttttg aacgtgacta tgttaatgag 60
ggaattgaat atagtttgaa agataaacat ggtgctacct tgagtgtcgc taggttatat 120
aaagataaaa cagtgattaa aattactgat t   151

<210>   2094
<211>   151
<212>   DNA
<213>   Artificial Sequence

<400>   2094
aatcagtaat tttaatcact gttgtatctt tatataacct agcgacactc aaggtagcac 60
catgtttatc tttcaaacta tattcaattc cctcattaac atagtcacgt tcaaaacggt 120
catagtagaa ccattcatca ataccatcaa c   151

<210>   2095
<211>   151
<212>   DNA
<213>   Artificial Sequence

<400>   2095
gataccttt ttaaagtaac tacctaacaa acgtgttccg cttgtttgca tatctatttc 60
aggtactagc gcttttagtg gtgagcgtcc tgaaatgccg tcaattgagt tcagtctaaa 120
atgtaacttg tctttaccct tgatggtttc t   151

<210>   2096
<211>   151
<212>   DNA
<213>   Artificial Sequence

<400>   2096
actcatagtt attcatcttc gttgtcctcc tcatctaaca tactaagttc ttcgcgtaag 60
aacttgacaa ccccttctaa tagctcaatt gtttcctctt tgtttaggtt ctcaccttcc 120
ccctctagtg ctcccgttgc cttacctgtg t   151

<210>   2097
<211>   151
<212>   DNA
<213>   Artificial Sequence

<400>   2097
gttgatggta ttgatgaatg gttatactat gaccgttttg aacgtgacta tgttaatgag 60
ggaattgaat atagtttgaa agataaacat ggtgctacct tgagtgtcgc taggttatat 120
aaagatacaa cagtgattaa aattactgat t   151

<210>   2098
<211>   151
<212>   DNA
<213>   Artificial Sequence

<400>   2098
ggttgaacca gaagaaaata aagctaaatc tgtggacgcg gaacgtgcta aagcattaga 60
ggaagacgtg gacaaattag aaaaaggaga ggctagaagt atggaaaatg taaagaaaat 120
caaccctcca gaaaacgttg ctgaagctga g   151

<210>   2099
<211>   151
<212>   DNA
<213>   Artificial Sequence

<400>   2099
aggggtcaat atggtcagaa ccagtgtttg gttgatgtgc cgttgcatat gcgtgagaaa 60
tgacacctgt attcccttgg tctagcgtct taggtagtcc cgcttcatca cataatagac 120
gaattaagtc tactagtagc ttatagtctt t   151

<210>   2100
<211>   151
<212>   DNA
<213>   Artificial Sequence

<400>   2100
tatcacctta aacaaacact aaagtagggg aggaatttaa atgaacacat atacagttta 60
ttaccgtaac attgatgagc actattgctg tagtattcac gttgacgcat atactattga 120
acaagctctt aataaagggt tacagtacct t   151

<210>   2101
<211>   150
<212>   DNA
<213>   Artificial Sequence

<400>   2101
agaagatata ttggaaaaag gtaaacgata taccattgtt ggagtaggca gccttttcgt 60
gcaggttgat ggtattgatg aatggttcta ctatgaccgt tttgaacgtg actatgttaa 120
tgagggaatt gaatatagtt tgaaagataa   150

<210>   2102
<211>   150
<212>   DNA
<213>   Artificial Sequence

<400>   2102
tttgaacgtg actatgttaa tgagggaatt gaatatagtt tgaaagataa acatggtgct 60
accttgagtg tcgctaggtt atataaagat aaaacagtga ttaaaattac tgattttacg 120
aatgatgtag taagcgtaca cttaacagac   150

<210>   2103
<211>   150
<212>   DNA
<213>   Artificial Sequence

<400>   2103
gtctgttaag tgtacgctta ctacatcatt cgtaaaatca gtaattttaa tcactgtttt 60
atctttatat aacctagcga cactcaaggt agcaccatgt ttatcttaca aactatattc 120
aagtccctca ataacatagt cacgttcaaa   150

<210>   2104
<211>   150
<212>   DNA
<213>   Artificial Sequence

<400>   2104
acttttgtaa actcacgaac ctttttagat ttctttctaa cagcctgtag ttgtgtctta 60
atcatgcgga aacaaataga cgcttggtct tttgtattgg ctgtagaata tatttgacgg 120
gacgccagtg gcgaacgttc gtaaagaagt   150

<210>   2105
<211>   150
<212>   DNA
<213>   Artificial Sequence

<400>   2105
taaaggcgcc tgatggtttc ccattttcgt caagataacc gtattcagat acctcttgag 60
ttgcctgact gtaaatagcg taagtattac aataaatgac tagcatgcca gcgtctagtt 120
ttgaaattgg tagctgttta agttgtggaa   150

<210>   2106
<211>   150
<212>   DNA
<213>   Artificial Sequence

<400>   2106
agagttggga tggttgtact ccctcctgat gtaggttcat caacgcttga ggtattgatt 60
gcccactctg ttttagttga tttgacagag gcgccatttt gtcccgttgt tctcatccac 120
gtgtacttac ttgggtccgt gctaggttct   150

<210>   2107
<211>   150
<212>   DNA
<213>   Artificial Sequence

<400>   2107
gtgaagccaa tttaccttta tcaagggtgt catacgttac agcacgtgtg aacaaacctc 60
ctgttgttga taagagtctg gaccatttag gagcttcttg cgtgtcaatc ataaccccat 120
tctcaagatt aaaacgccca tctgggtcaa   150

<210>   2108
<211>   150
<212>   DNA
<213>   Artificial Sequence

<400>   2108
tttgaattaa cagtaatgag tatttggaaa cgtgaaaaag gtagatgatt atatgacacc 60
tgttattaat gaaagcaatg agacccgtac cattaccatc tgcatggtca acggacgctc 120
ttacacagat aagggttccc cagagtttgt   150

<210>   2109
<211>   150
<212>   DNA
<213>   Artificial Sequence

<400>   2109
ggaacaagaa acctgagcca agttttccct catacatacg gtgtaagcca atgcctccaa 60
acaacaaagc aataataaca tatagtccta aacttggttt attcattcta gtagtcctcc 120
attaatgatt gtatgaaatc gtttaactcg   150

<210>   2110
<211>   150
<212>   DNA
<213>   Artificial Sequence

<400>   2110
tataccattt atgtgtaaaa cgttgttata ctagctcata cgcaacatca aggttaccta 60
aatcattttt agcaatctta acaataacaa actcatcctc aacttcatcc tgttccccat 120
ccacgcgaat agtcactttc ttttctattt   150

<210>   2111
<211>   150
<212>   DNA
<213>   Artificial Sequence

<400>   2111
ggaacaagaa acctgagcca agatttccct catacatacg gtgtaagcca atgcctccaa 60
acaacaaagc aataataaca tatagtccta aacttggttt attcattcta gtagtcctcc 120
attaatgttt gtatgaaatc gtttaactcg   150

<210>   2112
<211>   150
<212>   DNA
<213>   Artificial Sequence

<400>   2112
acttctttac gaacgttcgc caatggcgtc ccgtcaaata tattctacag ccaatacaaa 60
agaccaagcg tctatttgtt tccgcatgat taagacacaa ctacaggctg ttagaaagaa 120
atctaaacag gttcgtgagt ttacaaaagt   150

<210>   2113
<211>   150
<212>   DNA
<213>   Artificial Sequence

<400>   2113
tttgaattaa cagtaatgag tagttggaaa cgtgaaaaag gtagatgatt atatgacacc 60
tgttattaat gaaagcaatg agacccgtac cattaccatc tgcatggtca acggacgctc 120
ttacacatat aagggttccc cagagtttgt   150

<210>   2114
<211>   150
<212>   DNA
<213>   Artificial Sequence

<400>   2114
ggagtacaac catcccaact ctcgaaaaag gtaaatacct atggacacgt acaacgtggg 60
agtacactga tggtacaaca tcagtagcct atacagtgaa ctatattcct gtagatggct 120
caaccggtaa tggtgtgaaa tctatcgctg   150

<210>   2115
<211>   150
<212>   DNA
<213>   Artificial Sequence

<400>   2115
ggtgcattgt aggtaaatgg gttttttgta actggtttaa ttccgttgtt tgattggata 60
tgctcaaagt tccaagtgaa cttcttaccc gtttggtcac gtgtcattgt acagcggaac 120
caagatgttt tgtacttagt tacgtctgtc   150

<210>   2116
<211>   150
<212>   DNA
<213>   Artificial Sequence

<400>   2116
gcgtttgttt gattatgcaa aaacctatat gaaagagtat cataatgtag agttgcatta 60
tgatactaag tcagaagata tttttgttat aagaaatgat atgttcctat gggaataatg 120
tctaatatgg aggaaaaata aatgattact   150

<210>   2117
<211>   150
<212>   DNA
<213>   Artificial Sequence

<400>   2117
ttgacccaga tgggcgtttt aatcttgaga atggggttat gattgacacg caagaagctc 60
ctaaatggtc cagactctta tcaacaacag gaggtttgtt cacacgtgct gtaacgtatg 120
acaccctgga taaaggtaaa ttggcttcac   150

<210>   2118
<211>   150
<212>   DNA
<213>   Artificial Sequence

<400>   2118
tttgaattaa cagtaatgag tagttggaaa cgtgaaaaag gtagatgatt atatgacacc 60
tgttattaat gaaagcaatg agacccgtac cattaccatc tgcatggtca acggacgctc 120
ttacacagat aagggttccc cagagtttgt   150

<210>   2119
<211>   150
<212>   DNA
<213>   Artificial Sequence

<400>   2119
gcgtttgttt gattatgcaa aatcctatat gaaagagtat cataatgtag agttgcatta 60
tgatactaag tcagaagata tttttgttat aagaaatgat atgttcctat gggaataatg 120
tctaatatgg aggaaaaata aatgattact   150

<210>   2120
<211>   150
<212>   DNA
<213>   Artificial Sequence

<400>   2120
ggaacaagaa acctgagcca agatttccct catacatacg gtgtaagcca atgcctccaa 60
acaacaaagc aataataaca tatagtccta aacttggttt attcattcta gtagtcctcc 120
attaatgatt gtatgaaatc gtttaactcg   150

<210>   2121
<211>   150
<212>   DNA
<213>   Artificial Sequence

<400>   2121
acttctttac gaacgttcgc cactggcgtc ccgtcaaata tattctacag ccaatacaaa 60
agaccaagcg tctatttgtt tccgcatgat taagacacaa ctacaggctg ttagaaagaa 120
atctaaacag gttcgtgagt ttacaaaagt   150

<210>   2122
<211>   149
<212>   DNA
<213>   Artificial Sequence

<400> 2122
cattatggat gtctcacaaa attaaccctt gcataagcga gggttttatt atatactagt 60
gaacgagggg gatgaaatta atgaacacta ttttcacacc aactaagcaa caaaaagaga 120
acgcgcgtac catgtttgaa ctttggaaa   149

<210> 2123
<211> 149
<212> DNA
<213> Artificial Sequence

<400> 2123
tcttctcgca cgtagtaggt aacgggcgag taattcaaac agcacgcaca aacgcgggct 60
tttatgacgt aggtggcgga tggaactcgt ggggatatgc ggcaattgaa ttgattgaat 120
cgcacaatac caaagaagag tttatgaaa   149

<210> 2124
<211> 149
<212> DNA
<213> Artificial Sequence

<400> 2124
ttgcatacgt tcaataacaa actctgggga acccttatat gtgtaagagc gtccgttgac 60
catgcagatg gtaatggtac gggtctcatt gctttcatta ataacaggtg tcatataatc 120
atctaccatt ttcacgtttc caaatactc   149

<210> 2125
<211> 149
<212> DNA
<213> Artificial Sequence

<400> 2125
cgtgtaaaat caggtttcca agtcattaag taagaaacag cctccctacc tgtgcgtgtc 60
tcacggagtt tcaggcgtct cattgggtta ccttttttag attgtgtttc aatgttctct 120
gtaacaacaa cctcttttat tccccctgt   149

<210> 2126
<211> 149
<212> DNA
<213> Artificial Sequence

<400> 2126
gaaaatgcag taaaatacac gtatgaacca tcaaagtctt tgtagcgtac tacgtactta 60
tacataatca taacctcttt ctttgcagta ttgtataaac tccttatcat gtctttcgtc 120
tagcccagtc tgcgccttga ggttctcat   149

<210> 2127
<211> 149
<212> DNA
<213> Artificial Sequence

<400> 2127
cgcgcgtact atcatagtag gtaacacgca caattaattc tgttgttgct agactaccag 60
tccacccctt agagatgaat acactccctg atacagtgta cgttgtaccg cgcaaagcac 120
tgtagccctt tgataggtat gcaggacgt   149

<210> 2128
<211> 149
<212> DNA
<213> Artificial Sequence

<400> 2128
atgggttaat tagggtaggt aattttgacg ctctcagtac atggcaaaca ataaaacaag 60
gtgacacacc ttcaacgtat aaatttgagg gtataaccgc aggggcaact aatgctttta 120
gtatacatgg taattcaaat gctttaatt   149

<210>   2129
<211>   149
<212>   DNA
<213>   Artificial Sequence

<400>   2129
ttttcacgtt tccaaatact ccttactgtt aattcaaact cactctcgtc aagaggttca 60
ctgaaacagg ttgtcatgta caatttacac gcccatttat acaggtctaa gttgttcgtt 120
cccagtgcta acattcctgc tgtctgagc   149

<210>   2130
<211>   149
<212>   DNA
<213>   Artificial Sequence

<400>   2130
ttatgatacg tataataatg gttcctatag acatttgtca gttcgccaaa atacagagtt 60
cgccactaaa tacttgtcag agggtggtac gagtattcat ttacaccaga gtggtagtta 120
ttactcagat gagaacctca aggcgcaga   149

<210>   2131
<211>   149
<212>   DNA
<213>   Artificial Sequence

<400>   2131
tatctcacgt gttcccgcca aggggttgtg tgtgaagtcc atgatagtaa gacaggcact 60
atctccgtta tgtcgtctat aaattagata attacccaac tgcgccattt ctttaacttt 120
aactaactgc tcttgtgatt catcaaaat   149

<210>   2132
<211>   149
<212>   DNA
<213>   Artificial Sequence

<400>   2132
gatgtattag gataaaggga ggaaaacaaa atgagtaaag tatttgagga taattttact 60
aaacccctac cagtggggac gaaggtgcgc ttgattaaac ctgaaccaac tgaatttttt 120
atgaatgtgg gttacgagcg tgacaggga   149

<210>   2133
<211>   149
<212>   DNA
<213>   Artificial Sequence

<400>   2133
tttcataaac tcttctttgg ttttgtgcga ttcaatcaat tcaattgccg catatcccca 60
cgagttccat ccgccaccta cgtcataaaa gcccgcgttt gtgcgtgctg tttgaattac 120
tcgcccggta cctactacgt gcgagaaga   149

<210>   2134
<211>   149
<212>   DNA
<213>   Artificial Sequence

<400>   2134
agtctaatac ctcaatttgg ttatcatata cccaccatag gtgaccatca atacttagtt 60
caagttggtg cgtttgtccg tcaatttctt cagcgctatg agctactctg aacacctctc 120
caacgtagtc cctgtcacgc tcgtaaccc   149

<210>   2135
<211>   149
<212>   DNA
<213>   Artificial Sequence

<400>   2135
gttcggtgaa aactctaaag aagttgagga ggctagaatc tccctatcta aattagagtc 60
acaggctaaa ttatcaagta aagctcttaa atcaatggag aacgctagtg atggacttag 120
tgacatccaa ggtggagcag acgaggcta   149

<210>   2136
<211>   149
<212>   DNA
<213>   Artificial Sequence

<400>   2136
aatttagtat tgaattatga tgtctcgaaa gaccccacta ttaatggttg gacaggaaat 60
ggtgcgacta tagaatattc aaacgggaac atgcgagtgt tgtttaacga ctcatcaact 120
aacagaagag tctattatag caatgactt   149

<210>   2137
<211>   149
<212>   DNA
<213>   Artificial Sequence

<400>   2137
tagcctcgtc tgctccacct ttgatgtcac taagtccatc actagcgttc tccattgatt 60
taagagcttt acttgataat ttagcctgtg actctaattt agatagggag attctagcct 120
cctcaacgtc tttagagttt tcaccgaac   149

<210>   2138
<211>   149
<212>   DNA
<213>   Artificial Sequence

<400>   2138
aagtcattgc tataatagac tattctgtta gttgatgagt cgttaaacaa cactcgcatg 60
ttcccgtttg aatattctat agtcgcacca tttcctgtcc aaccattaat agtggggtct 120
ttcgagacat cataattcaa tactaaatt   149

<210>   2139
<211>   149
<212>   DNA
<213>   Artificial Sequence

<400>   2139
actgcgccaa atatcctatt aaacggttca caggacaata gtatacagta ttggggaatc 60
tttgacgcag taacggctac accaacagca ggagccacta aattaactaa aacagcagtg 120
tcaacaagac gtcctgcata cctatcaaa   149

<210>   2140
<211>   149
<212>   DNA
<213>   Artificial Sequence

<400>   2140
tttgcgccca atgtaaagcc cgtgtctctc atgacaatgt tccagtagta ttgaaacgat 60
tgaggtgacg tggttttaat agcaggtaca acattattaa gtaagtcaag tgcaccatct 120
tcacaacgta tctcacgtgt tcccgccaa   149

<210>   2141
<211>   149
<212>   DNA
<213>   Artificial Sequence

<400>   2141
tttcataaac tcttctttgg tattgtgcga ttcaatcaat tcaattgccg catatcccca 60
cgagttccat ccgccaccta cgtcataaaa gcccgcgttt gtgcgtgctg tttgaattac 120
tcgcccggta cctactacgt gcgagaaga   149

<210>   2142
<211>   149
<212>   DNA
<213>   Artificial Sequence

<400>   2142
tagcctcgtc tgctccacct tggatgtcac taagtccatc actagcgttc tccattgatt 60
taagagcttt acttgataat ttagcctgtg actctaattt agatagggag attctagcct 120
cctcaacgtc tttagagttt tcaccgaac   149

<210>   2143
<211>   148
<212>   DNA
<213>   Artificial Sequence

<400>   2143
aggctgtaaa ggaaacggga attgtacaca aagccaaaat gtacgtgcgt ttgaaaattt 60
tcccaatgga tggctctaac gcgcgcgtaa acgaaccact cctacatttc tttctcagtt 120
tttatgatta tgcagacacc tcaacatg   148

<210>   2144
<211>   148
<212>   DNA
<213>   Artificial Sequence

<400>   2144
aatgggaaac acataatcta aatcatagtg aggttggctc tggcaagaca ctcatggcat 60
tagaatcgtt taaaaaatca gggctaaaga aactcgtagt agtgtgcctt gcgtctaagg 120
tgtctgattg ggcttctgag gggtctaa   148

<210>   2145
<211>   148
<212>   DNA
<213>   Artificial Sequence

<400>   2145
gaacctcagc ttcagcaacg ttttctgtag ggttgatttt ctttacattt tccatacttc 60
tagcctctcc tttttctaat ttgtccacgt cttcctctaa tgctttagca cgttccgcgt 120
ccacagagtt atctttattt tcttctgg   148

<210>   2146
<211>   148
<212>   DNA
<213>   Artificial Sequence

<400>   2146
aacctcagct tcagcaacgt tttctgtagg gttgattttc tttacatttt ccatacttct 60
agcctctcct ttttctaatt tgtccacgtc ttcctctaat gctttagcac gttccgcgtc 120
cacagatgta tctttatttt cttctggt   148

<210>   2147
<211>   148
<212>   DNA
<213>   Artificial Sequence

<400>   2147
tactcaatgg ctttgactct catgccatgt tttttacctc ctctaataat ctacagaaca 60
ataatatgta tatacatttg attgtcctgc atttactgtg attgtttttc ctgttgctgt 120
ccatgatgtg tctaatacgt ttgaggcg   148

<210>   2148
<211>   148
<212>   DNA
<213>   Artificial Sequence

<400> 2148
gctttaaatg ggtttttact ttctttagat ttacctgttc ccatccatgt gaatcttgaa 60
tctgtcacct gcatttttgc aacaatagag taggtctctt tcttcttgtg ttccacacgt 120
ttagtgtgtt gtaggtaata tccactga 148

<210> 2149
<211> 148
<212> DNA
<213> Artificial Sequence

<400> 2149
ttgacagtca tgggaccatc tacagggtga ccgccacttg gtgtaccttt ggcgtattca 60
ggtgcctccc atgtttttaa cttgtccatg cctagttttt ctaaaaccca gtttgcaccg 120
ccaataagtc cgttcactgg tttttcaa 148

<210> 2150
<211> 148
<212> DNA
<213> Artificial Sequence

<400> 2150
gaacctcagc ttcagcaacg gtttctgtag ggttgatttt ctttacattt tccatacttc 60
tagcctctcc ttttttctaat ttgtccacgt cttcctctaa tgctttagca cgttccgcgt 120
ccacagattt atctttattt tcttctgg 148

<210> 2151
<211> 148
<212> DNA
<213> Artificial Sequence

<400> 2151
ttgaaaaacc agtgaacgga attattggcg gtgcaaactg ggttttagaa aaactaggca 60
tggacaagtt aaaaacatgg gaggcacctg aatacgccaa aggtacacca agtggcggtc 120
accctgtcga tggtcccatg actgtcaa 148

<210> 2152
<211> 148
<212> DNA
<213> Artificial Sequence

<400> 2152
tttcgagaaa tcataattca atactaaatt atcatttggg tattggagtg tgaacctctc 60
ttttccatca ctactccatg cgtaagctgt gtgtaaaaat ggattttgac catcctgtac 120
gtttgcacta ctcaatggct ttgactct 148

<210> 2153
<211> 148
<212> DNA
<213> Artificial Sequence

<400> 2153
ctacgcaaag aggttgctta gtgttggaaa gacgtagacg ccactgagct acgcttctat 60
ggttgtgttg atgggttact tgctaaagcg tttatttgtg ccatgttcaa ccttgataaa 120
caagcattta accaaacaaa cgctaatt 148

<210> 2154
<211> 148
<212> DNA
<213> Artificial Sequence

<400> 2154
caggggtatt gtgaaatttc ttcccgtcct gacggtcagt gtgattggga ggatatgtta 60
aattgggatt tggcgtttat tgagacaaac aatttagacg tacaaggtat ttgttatgac 120
cctgcacagt ctcaattaat taccacaa 148

<210>   2155
<211>   148
<212>   DNA
<213>   Artificial Sequence

<400>   2155
aatttagtat tgaattatga gttctcgaaa gaccccacta ttaatggttg gacaggaaat 60
ggtgcgacta tagaatattc aaacgggaac atgcgagtgt tgtttaacga ctcatcaact 120
aacagaatag tctattatag caatgact   148

<210>   2156
<211>   148
<212>   DNA
<213>   Artificial Sequence

<400>   2156
aatttagtat tgaattatga gttctcgaaa gaccccacta ttaatggttg gacaggaaat 60
ggtgcgacta tagaatattc aaacgggaac atgcgagtgt tgtttaacga ctcatcaact 120
aacagaagag tctattatag caatgact   148

<210>   2157
<211>   148
<212>   DNA
<213>   Artificial Sequence

<400>   2157
cggtggtatg gacacagttg tcaattggat aaaaggactg cctaagaaac taggggacgg 60
aattaaagga ggcgctcact tcctaaaaga cgcattcaaa ggtatgttta acggagcctt 120
gaaagtactt gaaaaaccag tgaacgga   148

<210>   2158
<211>   148
<212>   DNA
<213>   Artificial Sequence

<400>   2158
aacctcagct tcagcaacgt gttctgtagg gttgattttc tttacatttt ccatacttct 60
agcctctcct ttttctaatt tgtccacgtc ttcctctaat gctttagcac gttccgcgtc 120
cacagattta tctttatttt cttctggt   148

<210>   2159
<211>   148
<212>   DNA
<213>   Artificial Sequence

<400>   2159
gctttaaatg ggtttttact gtctttagat ttacctgttc ccatccatgt gaatcttgaa 60
tctgtcacct gcatttttgc aacaatagag taggtctctt tcttcttgtg ttccacacgt 120
ttagtgtttt gtaggtaata tccactga   148

<210>   2160
<211>   148
<212>   DNA
<213>   Artificial Sequence

<400>   2160
gaacctcagc ttcagcaacg gtttctgtag ggttgatttt ctttacattt tccatacttc 60
tagcctctcc tttttctaat ttgtccacgt cttcctctaa tgctttagca cgttccgcgt 120
ccacagagtt atctttattt tcttctgg   148

<210>   2161
<211>   148
<212>   DNA
<213>   Artificial Sequence

<400>   2161
tcagtggata ttacctacaa cacactaaac gtgtggaaca caagaagaaa gagacctact 60
ctattgttgc aaaaatgcag gtgacagatt caagattcac atggatggga acaggtaaat 120
ctaaagacag taaaaaccca tttaaagc   148

<210>   2162
<211>   148
<212>   DNA
<213>   Artificial Sequence

<400>   2162
ttgacagtca tgggaccatc gacagggtga ccgccacttg gtgtaccttt ggcgtattca 60
ggtgcctccc atgtttttaa cttgtccatg cctagttttt ctaaaaccca gtttgcaccg 120
ccaataagtc cgttcactgg tttttcaa   148

<210>   2163
<211>   148
<212>   DNA
<213>   Artificial Sequence

<400>   2163
aacctcagct tcagcaacgt gttctgtagg gttgattttc tttacatttt ccatacttct 60
agcctctcct ttttctaatt tgtccacgtc ttcctctaat gctttagcac gttccgcgtc 120
cacagatgta tctttatttt cttctggt   148

<210>   2164
<211>   147
<212>   DNA
<213>   Artificial Sequence

<400>   2164
atcaatcata attaaatcga ttgactcttt tgtaaatgcg ttgtacacgg ctcttgtcaa 60
tagagggttg ttaaagtgaa ggaccttgcc cgctcgtata tccacttgta attgtttagt 120
aggtgggttt aatcgcatat aagactg   147

<210>   2165
<211>   147
<212>   DNA
<213>   Artificial Sequence

<400>   2165
acttggctca ggtttcttgg tcctattctt attttggacg ggtgtaccag tggttatttc 60
atggattgac attattacag cactaacaac gcgcagacac ttattttcat aggaggaata 120
gtatgggacg tcaatacaaa aagggtg   147

<210>   2166
<211>   147
<212>   DNA
<213>   Artificial Sequence

<400>   2166
atcatagtga ggttggctct ggcaagacac tcatggcatt agaatcgttt aaaaaatcag 60
ggctaaagaa actcgtagta gtgtgccttg cgtctaaggt gtctgattgg gcttctgagg 120
ggtctaaaca aggtttaggt ataatta   147

<210>   2167
<211>   147
<212>   DNA
<213>   Artificial Sequence

<400>   2167
taatgttaat accaacggaa caacagcaaa tggtcataga caaatgggaa acacataatc 60
taaatcatag tgaggttggc tcaggcaaga cactcatggc attagaatcg tttaaaaaat 120
cagggctcaa gaaactcgta gtagtgt   147

<210>   2168
<211>   147
<212>   DNA
<213>   Artificial Sequence

<400>   2168
taattatacc taaaccttga ttagacccct cagaagccca atcagacacc ttagacgcaa 60
ggcacactac tacgagtttc tttagccctg atttttttaaa cgattctaat gccatgagtg 120
tcttgcctga gccaacctca ctatgat   147

<210>   2169
<211>   147
<212>   DNA
<213>   Artificial Sequence

<400>   2169
tggggacgaa aaggaaccca cgttttaaca gcagaagaaa ctgcacaagt gttaggtcat 60
aaacgtccta agtttgcata caaaaaaggt actggcttct ttgacaaaat tacaggaggc 120
gtaaaaatca tctggaacgg tgccaaa   147

<210>   2170
<211>   147
<212>   DNA
<213>   Artificial Sequence

<400>   2170
aagttctgac accctaatac agatggcgtc tctcagtccc aaattaaatg ccacagtttc 60
ttctagtaaa atattcatgg tgacctctcc tctttacccc tcatgtctct cattaacaac 120
ataatcaaag tcacttgcaa atagcgg   147

<210>   2171
<211>   147
<212>   DNA
<213>   Artificial Sequence

<400>   2171
taatgttaat accaacggac caacagcaaa tggtcataga caaatgggaa acacataatc 60
taaatcatag tgaggttggc tcaggcaaga cactcatggc attagaatcg tttaaaaaat 120
cagggctaaa gaaactcgta gtagtgt   147

<210>   2172
<211>   147
<212>   DNA
<213>   Artificial Sequence

<400>   2172
gactcatcaa ctaacagaag agtctattat agcaatgact tattaaccaa ctacttgcca 60
gcaggagtta aatattccgt cacaatagac gcattcagca acaataatgg gttaattagg 120
gtaggtactt ttgacgctct cagtaca   147

<210>   2173
<211>   147
<212>   DNA
<213>   Artificial Sequence

<400>   2173
taagttatct tctgtaggta tagttttctt agtcatattt acaagtttca taagcagtta 60
cctcctataa ttcctctcta gccttttcaa taaactcgtc tatactaaca taaccaagtt 120
ttagaaggtg tgccacctgt agcattg   147

<210>   2174
<211>   147
<212>   DNA
<213>   Artificial Sequence

<400>   2174
ttacttatga tatgttagtt gataacgtag cctttgagga cttattacca ttagtacagg 60
gagtctttga acaagtcaac gggggtacag tttcaaagga gaaataacag gacttgagga 120
aaaaaccttt gaggaacagt tagaaac   147

<210>   2175
<211>   147
<212>   DNA
<213>   Artificial Sequence

<400>   2175
ctacagccct tctgaggcgt ttaaacctaa gtgggctaca acattcgcac caaacgcatg 60
gtcaggacct tcccttacaa cgcctgtcaa agcaccatca acaggtttac gaacaggagc 120
ctttaaaatt gaggaacgga tagactt   147

<210>   2176
<211>   147
<212>   DNA
<213>   Artificial Sequence

<400>   2176
taagttatct tctgtaggtc tagttttctt agtcatattt acaagtttca taagcagtta 60
cctcctataa ttcctctcta gccttttcaa taaactcgtc tatactaaca taaccaagtt 120
ttagaagttg tgccacctgt agcattg   147

<210>   2177
<211>   147
<212>   DNA
<213>   Artificial Sequence

<400>   2177
ttacttatga tatgttagtg gataacgtag cctttgagga cttattacca ttagtacagg 60
gagtctttga acaagtcaac gggggtacag tttcaaagga gaaataacag gacttgagga 120
aaaaaccatt gaggaacagt tagaaac   147

<210>   2178
<211>   147
<212>   DNA
<213>   Artificial Sequence

<400>   2178
caagaaacct gagccaagtg ttccctcata catacggtgt aagccaatgc ctccaaacaa 60
caaagcaata ataacatata gtcctaaact tggtttattc attctagtag tcctccatta 120
atgtttgtat gaaatcgttt aactcgt   147

<210>   2179
<211>   147
<212>   DNA
<213>   Artificial Sequence

<400>   2179
tttggcaccg ttccagatgt tttttacgcc tcctgtaatt ttgtcaaaga agccagtacc 60
ttttttgtat gcaaacttag gacgtttatg acctaacact tgtgcagttt cttctgctgt 120
taaaacgagg gttccttttc gtcccca   147

<210>   2180
<211>   147
<212>   DNA
<213>   Artificial Sequence

<400>   2180
tgtactgaga gcgtcaaaag tacctaccct aattaaccca ttattgttgc tgaatgcgtc 60
tattgtgacg gaatatttaa ctcctgctgg caagtagttg gttaataagt cattgctata 120
atagactatt ctgttagttg atgagtc   147

<210>   2181
<211>   147
<212>   DNA
<213>   Artificial Sequence

<400>   2181
ttacttatga tatgttagtt gataacgtag cctttgagga cttattacca ttagtacagg 60
gagtctttga acaagtcaac gggggtacag tttcaaagga gaaataacag gacttgagga 120
aaaaaccatt gaggaacagt tagaaac   147

<210>   2182
<211>   147
<212>   DNA
<213>   Artificial Sequence

<400>   2182
taattatacc taaaccttga ttagacccct cagaagccca atcagacacc ttagacgcaa 60
ggcacactac tacgagtttc tttagccctg atttttttaaa cgattctaat gccatgagtg 120
tcttgccaga gccaacctca ctatgat   147

<210>   2183
<211>   147
<212>   DNA
<213>   Artificial Sequence

<400>   2183
tttggcaccg ttccagatga tttttacgcc tcctgtaatt ttgtcaaaga agccagtacc 60
ttttttgtat gcaaacttag gacgtttatg acctaacact tgtgcagttt cttctgctgt 120
taaaacgagg gttccttttc gtcccca   147

<210>   2184
<211>   147
<212>   DNA
<213>   Artificial Sequence

<400>   2184
taatgttaat accaacggac caacagcaaa tggtcataga caaatgggaa acacataatc 60
taaatcatag tgaggttggc tcaggcaaga cactcatggc attagaatcg tttaaaaaat 120
cagggctcaa gaaactcgta gtagtgt   147

<210>   2185
<211>   147
<212>   DNA
<213>   Artificial Sequence

<400>   2185
taagttatct tctgtaggtc tagttttctt agtcatattt acaagtttca taagcagtta 60
cctcctataa ttcctctcta gccttttcaa taaactcgtc tatactaaca taaccaagtt 120
ttagaaggtg tgccacctgt agcattg   147

<210>   2186
<211>   147
<212>   DNA
<213>   Artificial Sequence

<400>   2186
ccgctatttg caagtgactg tgattatgtt gttaatgaga gacatgaggg gtaaagagga 60
gaggtcacca tgaatatttt actagaagaa actgtggcat ttaatttggg actgagagac 120
gccatctgta ttagggtgtc agaactt   147

<210>   2187
<211>   147
<212>   DNA
<213>   Artificial Sequence

<400>   2187
ctacagccct tctgaggcga ttaaacctaa gtgggctaca acattcgcac caaacgcatg 60
gtcaggacct tcccttacaa cgcctgtcaa agcaccatca acaggtttac gaacaggagc 120
ctttaaaatt gaggaacgga tagactt   147

<210>   2188
<211>   146
<212>   DNA
<213>   Artificial Sequence

<400>   2188
tggtattgat gaatggttct actatgaccg ttttgaacgt gactatgtta atgagggaat 60
tgaatatagt ttgaaagata aacatggtgc taccttgagt gtcgctaggt tatataaaga 120
taaaacagtg attaaaatta ctgatt   146

<210>   2189
<211>   146
<212>   DNA
<213>   Artificial Sequence

<400>   2189
tctaggctcc cgctctcaaa cgcctcagta acacgtgacg taagagcgct agtagctttc 60
ttaatcattc cacgggcaac gtctagagga tattttatga gacctgaggt gtctactacg 120
ctagagacta ctttttcaac taattt   146

<210>   2190
<211>   146
<212>   DNA
<213>   Artificial Sequence

<400>   2190
ttctgatggt actacctaca atctcaaccc cactaacttt tttaaacatc ccgttttcag 60
caataacatt gtctgataca atattattaa ttgacatccc ccagttttcc cacgctgtac 120
cgttccagtt tagcacagta gggtca   146

<210>   2191
<211>   146
<212>   DNA
<213>   Artificial Sequence

<400>   2191
atctgtttgc tagaagaaga ccgtccgtga agagtttcaa ttcaacaagg tcaccctcat 60
tacccgtgtg ctcaaatagt ccactattaa aggctaaatc aataacaggt gttttactac 120
gtactagttc ctcacgcatt tcctta   146

<210>   2192
<211>   146
<212>   DNA
<213>   Artificial Sequence

<400>   2192
taatcgttgc gcctctaggt cctgttcatt atctagagca tgaccaattt tacagagcag 60
tgtgtggcgc attagttcta attctttacg cagtggtcta ttcattgtct cactggcgtc 120
aaacatatta gaggcatgaa ataaat   146

<210>   2193
<211>   146
<212>   DNA
<213>   Artificial Sequence

<400>   2193
acgtactttc tgcctaaaca acagtacact catataggcg tcattatatt ctgttaatct 60
aacatgttca accttaaaca ttaaaatacc tcctcaggtt gtaagtaaac gtcaaaaacc 120
tcctccactc agcttaccac cgcaca   146

<210> 2194
<211> 146
<212> DNA
<213> Artificial Sequence

<400> 2194
gtgccatccg ttttgacgta gtagctacag acacaaaggc gggcttaatg ttcaaattag 60
gagctattcc taacaacgtt tctacggtaa cagtagcaaa tgcgtctgag ttccctagtg 120
gtggagctgg agcctaataa ctaacc   146

<210> 2195
<211> 146
<212> DNA
<213> Artificial Sequence

<400> 2195
tcagcttacc accgcacagt gggcaatagt gaatctcaaa ctgagcggta taaccttggt 60
tgtcaacctc agttgtgact gtcatagttt tcccgtttat aaacacctca gtcatgtcag 120
tcctcccact ccataagtaa tctgag   146

<210> 2196
<211> 146
<212> DNA
<213> Artificial Sequence

<400> 2196
tagtgattta acttgggtat tccctacaga cattaatgat aaacgttacg cttcattttt 60
cgcaagtgat ttcacttata aggagagtga acctaatgtc caatagatgg gaaacgcctg 120
agaacctgga taaagaggat aaagtt   146

<210> 2197
<211> 146
<212> DNA
<213> Artificial Sequence

<400> 2197
tttagcacag tagggtcagt aggtttttgc cataatgtcc ctgtagttgg gttacttgga 60
gctgtagcac taataaaaat tgagtctcta cccgtgtatg agctagttac tacccaattt 120
gtatacgtac catttgaaag cgtatt   146

<210> 2198
<211> 146
<212> DNA
<213> Artificial Sequence

<400> 2198
aaattagttg aaaaagtatt ctctagcgta gtagacacct caggtctcat aaaatatcct 60
ctagacgttg cccgtggaat gattaagaaa gctactagcg ctcttacgtc acgtgttact 120
gaggcgtgtg agagcgggag cctaga   146

<210> 2199
<211> 146
<212> DNA
<213> Artificial Sequence

<400> 2199
taatcgttgc gcctctagtt cctgttcatt atctagagca tgaccaattt tacagagcag 60
tgtgtggcgc attagttcta attctttacg cagtggtcta ttcattgtct cactggcgtc 120
aaacataata gaggcatgaa ataaat   146

<210> 2200
<211> 146
<212> DNA
<213> Artificial Sequence

<400>   2200
gtgccatccg ttttgacgga gtagctacag acacaaaggc gggcttaatg ttcaaattag 60
gagctattcc taacaacgtt tctacggtaa cagtagcaaa tgcgtctgag ttccctagtg 120
gtggagcagg agcctaataa ctaacc   146

<210>   2201
<211>   146
<212>   DNA
<213>   Artificial Sequence

<400>   2201
actggaaccg gttggcgagt atattaaaac catcacggag ttattatgga atatgggcgc 60
catcatgttt gaaaaggttt atccattatt aaaacccata ctagacacga tttttagtgc 120
gttcggtagc attttcaaac aggtaa   146

<210>   2202
<211>   146
<212>   DNA
<213>   Artificial Sequence

<400>   2202
tgacggtgta tagaccatga gggtgttagg tatggtttca tgtcctaagt ctttcattaa 60
ggtagtaaaa gagtgtattc cgtttgcttt acctttttacg tcacagtcta ctactaataa 120
tttgttttgt tccccacata agaccc   146

<210>   2203
<211>   146
<212>   DNA
<213>   Artificial Sequence

<400>   2203
tcatacaacg caaacacaga cacatatcac cgcacaattg accaaattgg tagattggta 60
gagatttcac tagtttcaat tcccgcatat gatgatacaa ctgtagcagt ggcacaacgg 120
tcacaaacag cgtttaaaga acaaaa   146

<210>   2204
<211>   146
<212>   DNA
<213>   Artificial Sequence

<400>   2204
ttacctgttt gaaaatgcga ccgaacgcac taaaaatcgt gtctagtatg ggttttaata 60
atggataaac cttttcaaac atgatggcgc ccatattcca taataactcc gtgatggttt 120
taatataatc gccaaccggt tccagt   146

<210>   2205
<211>   146
<212>   DNA
<213>   Artificial Sequence

<400>   2205
ttttgttctt taaacgcttt ttgtgaccgt tgtgccactg ctacagttgt atcatcatat 60
gcgggaattg aaactagtga aatctctacc aatctaccaa tttggtcaat tgtgcggtga 120
tatgtgtatg tgtttgcgtt gtatga   146

<210>   2206
<211>   146
<212>   DNA
<213>   Artificial Sequence

<400>   2206
taaggaaatg cgtgaggacc tagtacgtag taaaacacct gttattgatt tagcctttaa 60
tagtggacta tttgagcaca cgggtaatga gggtgacctt gttgaattga aactcttcac 120
ggacggtctt cttctagcaa acagat   146

<210>   2207
<211>   146
<212>   DNA
<213>   Artificial Sequence

<400>   2207
gtgccatccg ttttgacgga gtagctacag acacaaaggc gggcttaatg ttcaaattag 60
gagctattcc taacaacgtt tctacggtaa cagtagcaaa tgcgtctgag ttccctagtg 120
gtggagctgg agcctaataa ctaacc   146

<210>   2208
<211>   146
<212>   DNA
<213>   Artificial Sequence

<400>   2208
taatcgttgc gcctctaggt cctgttcatt atctagagca tgaccaattt tacagagcag 60
tgtgtggcgc attagttcta attctttacg cagtggtcta ttcattgtct cactggcgtc 120
aaacataata gaggcatgaa ataaat   146

<210>   2209
<211>   146
<212>   DNA
<213>   Artificial Sequence

<400>   2209
ttacctgttt gaaaatgcga ccgaacgcac taaaaatcgt gtctagtatg ggttttaata 60
atggataaac cttttcaaac atgatggcgc ccatattcca taataactcc gtgatggttt 120
taatatactc gccaaccggt tccagt   146

<210>   2210
<211>   146
<212>   DNA
<213>   Artificial Sequence

<400>   2210
ttttgttctt taaacgctgt ttgtgaccgt tgtgccactg ctacagttgt atcatcatat 60
gcgggaattg aaactagtga aatctctacc aatctaccaa tttggtcaat tgtgcggtga 120
tatgtgtatg tgtttgcgtt gtatga   146

<210>   2211
<211>   146
<212>   DNA
<213>   Artificial Sequence

<400>   2211
aaattagttg aaaaagtagt ctctagcgta gtagacacct caggtctcat aaaatatcct 60
ctagacgttg cccgtggaat gattaagaaa gctactagcg ctcttacgtc acgtgttact 120
gaggcgtgtg agagcgggag cctaga   146

<210>   2212
<211>   145
<212>   DNA
<213>   Artificial Sequence

<400>   2212
atagtctgcc tcgttttgcg ctgtagatga tgaattcccc gtactgtgta cgtgaatttg 60
tccatacggt cttaccccta cttgtggtaa acctgagcgc atttgttttt caattttcat 120
tgaatcagtc tcctttctat ctcta   145

<210>   2213
<211>   145
<212>   DNA
<213>   Artificial Sequence

<400>   2213
tctccttttct atctctactc attataacac aaaaaaggag gcttaagcct ccttaggtta 60
tgctaaacgc ccttgacgtc tgttagatac catttgtccg cgttgcttat ctttagttaa 120
agcagggttt agttccgcag taact   145

<210>   2214
<211>   145
<212>   DNA
<213>   Artificial Sequence

<400>   2214
aaattgaggt attagacgat gaggaggaaa aataatatga caaaattagc agaggtatta 60
gaattacatg acgcggagtt agacaatgtt ttagatgaat tgcgtgcccg cattatggac 120
gagcctaaag aattagacat tatga   145

<210>   2215
<211>   145
<212>   DNA
<213>   Artificial Sequence

<400>   2215
ttgattgccc actctgtttt agttgatttg acagaggcgc cagtttgtcc cgttgttctc 60
atccacgtgt acttacttgg gtccgtgcta ggttcttgag tatagttact atattgaccc 120
atatatagcg gatatgcgtt cgcga   145

<210>   2216
<211>   145
<212>   DNA
<213>   Artificial Sequence

<400>   2216
gtaccctata cgcaaccaac gaacctctat tctagctgta tatgcaaaca acggtttaga 60
cctaatggag gcagtacagc aatatgagaa agtacgcgcg gagggaatgc gtttacagga 120
gcaagaaata gaaaagaaag tgact   145

<210>   2217
<211>   145
<212>   DNA
<213>   Artificial Sequence

<400>   2217
tcataatgtc taattctata ggctcgtcca taatgcgggc acgcaattca tctaaaacat 60
tgtctaactc cgcgtcatgt aattctaata cctctgctaa ttttgtcata ttatttttcc 120
tcctcatagt ctaatacctc aattt   145

<210>   2218
<211>   145
<212>   DNA
<213>   Artificial Sequence

<400>   2218
agcttgtttg aattgttttg ttagtttgtc aagtgtatta cctagttcag cggttccgtc 60
aatacctaaa ccaatcttca tatttcctac tggttttccg ctttgcacca tgtgttaatc 120
agctccttttt ttctctagct tttca   145

<210>   2219
<211>   145
<212>   DNA
<213>   Artificial Sequence

<400>   2219
atatattcta cagccaaaac aaaagaccaa gcgtctattt gtttccgcat gattaagaca 60
caactacagg ctgttagaaa gaaatctaaa aaggttcgtg agtttacaaa agtaaacaaa 120
tatgacattg agacaaaaga tgact   145

<210>   2220
<211>   145
<212>   DNA
<213>   Artificial Sequence

<400>   2220
atatattcta cagccaaaac aaaagaccaa gcgtctattt gtttccgcat gattaagaca 60
caactacagg ctgttagaaa gaaatctaaa aaggttcgtg agtttacaaa agtaaacaaa 120
tatgacaatg agacaaaaga tgact   145

<210>   2221
<211>   145
<212>   DNA
<213>   Artificial Sequence

<400>   2221
aaattgaggt attagacgat gaggaggaaa aataatatga caaaattagc agaggtatta 60
gaattacatg acgcggagtt agacaatgtt ttagatgaat tgcgtgcccg cattatggac 120
gagcctatag aattagacat tatga   145

<210>   2222
<211>   145
<212>   DNA
<213>   Artificial Sequence

<400>   2222
atatattcta cagccaatac aaaagaccaa gcgtctattt gtttccgcat gattaagaca 60
caactacagg ctgttagaaa gaaatctaaa aaggttcgtg agtttacaaa agtaaacaaa 120
tatgacaatg agacaaaaga tgact   145

<210>   2223
<211>   144
<212>   DNA
<213>   Artificial Sequence

<400>   2223
cttctgaggc gtttaaacct aagtgggcta caacattcgc accaaacgca tggtcaggac 60
cttcccttac aacgcctgtc aaagcaccat caacaggttt acgaacagga gcctttaaat 120
ttgaggaccg gatagacttc ggta   144

<210>   2224
<211>   144
<212>   DNA
<213>   Artificial Sequence

<400>   2224
tatacagtga actatagtcc tgtagatggc tcaaccggta atggtgtgaa atctatcgct 60
gttacttacg ctgtaggtac ctcaggtaca acagcaccat ccacaggttg gcaagcaaca 120
ccaccaaatg taacaggtgg tcaa   144

<210>   2225
<211>   144
<212>   DNA
<213>   Artificial Sequence

<400>   2225
actagtagct tatagtcttt cataaactct tctttggtat tgtgcgattc aatcaattca 60
attgccgcat atccccacga gttccatccg ccacctacgt cataaaagcc cgcgtttgtg 120
cgtgctgttt gaattactcg cccg   144

<210>   2226
<211>   144
<212>   DNA
<213>   Artificial Sequence

<400>   2226
gcgaaaagca aaagtgacac ctgttattgt tacaggtaca gtagaaccgc ctgtaggtaa 60
ggaggagtta ctcattggac gtgaggcatt gcttgactta gaaacagata gcatttacat 120
tgaggctcgt gatttaactt gggt   144

<210>   2227
<211>   144
<212>   DNA
<213>   Artificial Sequence

<400>   2227
cgtctgttag ataccatttg tccgcgttgc ttatctttag ttaaagcagg gtttagttcc 60
gcagtaactt tacgtttgtc taagtagacg tccgtgtcct tttctagtaa tgcttgtaac 120
agtgcgtgtg tttgttgttg ctgt   144

<210>   2228
<211>   144
<212>   DNA
<213>   Artificial Sequence

<400>   2228
tatacagtga actatattcc tgtagatggc tcaaccggta atggtgtgaa atctatcgct 60
gttacttacg ctgtaggtac ctcaggtaca acagcaccat ccacaggttg gcaagcaaca 120
ccaccaactg taacaggtgg tcaa   144

<210>   2229
<211>   144
<212>   DNA
<213>   Artificial Sequence

<400>   2229
taccgaagtc tatccgttcc tcaaatttaa aggctcctgt tcgtaaacct gttgatggtg 60
ctttgacagg cgttgtaagg gaaggtcctg accatgcgtt tggtgcgaat gttgtagccc 120
acttaggatt aaacgcctca gaag   144

<210>   2230
<211>   144
<212>   DNA
<213>   Artificial Sequence

<400>   2230
ctaataaatg tattaataca ttaggaggaa aacagatgaa taaagaagaa acacacaaag 60
cgtttgagaa cgtcttacag gaactaaagt ttgattttga taagttgaaa tacggtaaaa 120
aagtagatga ggaaaaactt gctt   144

<210>   2231
<211>   144
<212>   DNA
<213>   Artificial Sequence

<400>   2231
cgttttaaat tgctctaaca taattatccc ccttagaata aatcttgacc cgcatatacg 60
caagagatgt ttatccatgc gcctgacgga atcgcactat ctactgtagt accataccta 120
cttactataa ttgcaccatc cttg   144

<210>   2232
<211>   144
<212>   DNA
<213>   Artificial Sequence

<400>   2232
cgtctgttag ataccagttg tccgcgttgc ttatctttag ttaaagcagg gtttagttcc 60
gcagtaactt tacgtttgtc taagtagacg tccgtgtcct tttctagtaa tgcttgtaac 120
agtgcgtttg tttgttgttg ctgt   144

<210>   2233
<211>   144
<212>   DNA
<213>   Artificial Sequence

<400>   2233
gcgtcatctg atacaatagt aacagagaca taaggagctt gagtgtcctg ccccactgtc 60
ataataccat tttcgtctgc ggtaatacct aaaacagcac tatatgctcc acccgcttgt 120
aagtcgaaaa cattcaatga tacg   144

<210>   2234
<211>   144
<212>   DNA
<213>   Artificial Sequence

<400>   2234
ttgagaaaga gaaacacaga gaccctatac catgtagaac gattgatggt atacgtcagc 60
tcattccgta cgaacattta caagaaattt aaaaataatg cttgacaact ggttggggtt 120
ttgataatct aataaatgta ttaa   144

<210>   2235
<211>   144
<212>   DNA
<213>   Artificial Sequence

<400>   2235
gtaagtaaat atgcgtgtct tgttgatggt attaactcat ggttcttagc acaagaccta 60
gacacggcgt catctaacat gggtaatagc tctaaaccgt caggagtcct taaatggaca 120
actgaaaatg ctaaggctac tact   144

<210>   2236
<211>   144
<212>   DNA
<213>   Artificial Sequence

<400>   2236
gcgtcatctg atacaaaagt aacagagaca taaggagctt gagtgtcctg ccccactgtc 60
ataataccat tttcgtctgc ggtaatacct aaaacagcac tatatgctcc acccgcttgt 120
aagtcgacaa cattcaatga tacg   144

<210>   2237
<211>   144
<212>   DNA
<213>   Artificial Sequence

<400>   2237
ttaatgtctg tggtatctta cccgtatctt ttagccttga cctttgtcaa cgcggtaatc 60
ttaattcctg tcccaactac gccacacctg agtgttagtg aactcgttct aaataaaacc 120
tctgtaatag agtaaagaga ccta   144

<210>   2238
<211>   144
<212>   DNA
<213>   Artificial Sequence

<400>   2238
gaggcacgtg agtatttaat gaacatgaac ctcaagacgg taccagtcac tgaggtagat 60
ggtaaattaa tattaggttt taatgtacct gaactaagac aattgattaa ataaaaaaga 120
gacctatcta ggtctcttta ctct   144

<210>   2239
<211>   144
<212>   DNA
<213>   Artificial Sequence

<400>   2239
agtagtagcc ttagcagttt cagttgtcca tttaaggact cctgacggtt tagagctatt 60
acccatgtta gatgacgccg tgtctaggtc ttgtgctaag aaccatgagt taataccatc 120
aacaagaaac gcatatttac ttac   144

<210>   2240
<211>   144
<212>   DNA
<213>   Artificial Sequence

<400>   2240
ccgtcatttc agtacgtttg aacaaagtaa tagcttgttc taagtcacca atgaataata 60
gtttatcatt tgtgtcgttt ttaaagatag cgtcaggaag tacaattacc tctttaccaa 120
acaatgtatt accacttgcc attg   144

<210>   2241
<211>   144
<212>   DNA
<213>   Artificial Sequence

<400>   2241
gtaggacttc cttagatttc attgtccatg ttaccttatc cactacctcc cttgtggcta 60
ctgagtcttt atacttgagt agccatctag atgttttaac aacggaagct ttgtttgcta 120
caggtgcctt gtaggtaaat gggt   144

<210>   2242
<211>   144
<212>   DNA
<213>   Artificial Sequence

<400>   2242
ttctgttagt tgatgattcg ttaaacaaca ctcgcatgtt cccgtttgaa tattctatag 60
tcgcaccatt tcctgtccaa ccattaatag tggggtcttt cgagaaatca taattcaata 120
ctaaattatc atttgggtat tgga   144

<210>   2243
<211>   144
<212>   DNA
<213>   Artificial Sequence

<400>   2243
attgctataa tagactattc tgttagttga tgagtcgtta aacaacactc gcatgttccc 60
gtttgaatat tctatagtcg caccatttcc tgtccaacca ttaatagtgg ggtctttcga 120
gaaatcagaa ttcaatacta aatt   144

<210>   2244
<211>   144
<212>   DNA
<213>   Artificial Sequence

<400>   2244
gtaggacttc cttagagttc attgtccatg ttaccttatc cactacctcc cttgtggcta 60
ctgagtcttt atacttgagt agccatctag atgttttaac aacggaagct ttgtttgcta 120
caggtgcatt gtaggtaaat gggt   144

<210>   2245
<211>   144
<212>   DNA
<213>   Artificial Sequence

<400>   2245
agtagtagcc ttagcagttt cagttgtcca tttaaggact cctgacggtt tagagctatt 60
acccatgtta gatgacgccg tgtctaggtc ttgtgctaag aaccatgagt taataccatc 120
aacaagacac gcatatttac ttac   144

<210>   2246
<211>   144
<212>   DNA
<213>   Artificial Sequence

<400>   2246
attgctataa tagactcttc tgttagttga tgagtcgtta aacaacactc gcatgttccc 60
gtttgaatat tctatagtcg caccatttcc tgtccaacca ttaatagtgg ggtctttcga 120
gaaatcagaa ttcaatacta aatt   144

<210>   2247
<211>   144
<212>   DNA
<213>   Artificial Sequence

<400>   2247
taccgaagtc tatccggtcc tcaaatttaa aggctcctgt tcgtaaacct gttgatggtg 60
ctttgacagg cgttgtaagg gaaggtcctg accatgcgtt tggtgcgaat gttgtagccc 120
acttaggatt aaacgcctca gaag   144

<210>   2248
<211>   144
<212>   DNA
<213>   Artificial Sequence

<400>   2248
gtaggacttc cttagagttc attgtccatg ttaccttatc cactacctcc cttgtggcta 60
ctgagtcttt atacttgagt agccatctag atgttttaac aacggaagct ttgtttgcta 120
caggtgcctt gtaggtaaat gggt   144

<210>   2249
<211>   144
<212>   DNA
<213>   Artificial Sequence

<400>   2249
ccgtcatttc agtacgattg aacaaagtaa tagcttgttc taagtcacca atgaataata 60
gtttatcatt tgtgtcgttt ttaaagatag cgtcaggaag tacaattacc tctttaccaa 120
acaatgtatt accacttgcc attg   144

<210>   2250
<211>   144
<212>   DNA
<213>   Artificial Sequence

<400>   2250
gcgtcatctg atacaatagt aacagagaca taaggagctt gagtgtcctg ccccactgtc 60
ataataccat tttcgtctgc ggtaatacct aaaacagcac tatatgctcc acccgcttgt 120
aagtcgacaa cattcaatga tacg   144

<210>   2251
<211>   144
<212>   DNA
<213>   Artificial Sequence

<400>   2251
ttgaccacct gttacagttg gtggtgttgc ttgccaacct gtggatggtg ctgttgtacc 60
tgaggtacct acagcgtaag taacagcgat agatttcaca ccattaccgg ttgagccatc 120
tacaggacta tagttcactg tata   144

<210>   2252
<211>   144
<212>   DNA
<213>   Artificial Sequence

<400>   2252
cgtctgttag ataccagttg tccgcgttgc ttatctttag ttaaagcagg gtttagttcc 60
gcagtaactt tacgtttgtc taagtagacg tccgtgtcct tttctagtaa tgcttgtaac 120
agtgcgtgtg tttgttgttg ctgt   144

<210>   2253
<211>   143
<212>   DNA
<213>   Artificial Sequence

<400>   2253
gtaggtttta tggtattagg tggcgcttgt ttggctacaa gttttaagct atcaaaggac 60
ttagagcagg ttgataacat caacgataaa ggagagagtc actaatggga atttttatca 120
gaaacaagcc acacgaagag cgg   143

<210>   2254
<211>   143
<212>   DNA
<213>   Artificial Sequence

<400>   2254
tttgctacag gtgcattgta ggtaaatggg ttttttgtaa ctggtttaat tccgttgttt 60
gattggatat gctcaaagtt ccaagtgaac ttcttacccg tttggtcacg tgtcattgta 120
cagcggaccc aagatgattt gta   143

<210>   2255
<211>   143
<212>   DNA
<213>   Artificial Sequence

<400>   2255
acccatttac ctacactgca cctgtagcaa acaaagcttc cgttgttaaa acatctagat 60
ggctactcaa gtataaagac tcagtagcca caagggaggt agtggataag gtaacatgga 120
caatgaaatc taaggaagtc cta   143

<210>   2256
<211>   143
<212>   DNA
<213>   Artificial Sequence

<400>   2256
ttaaccatgg agcgtattga cgcacgttta gaggacgtga gagagattaa aaaagagctg 60
tctggtgccc gtcaacaaat cgcggaccta gacaaacgtc tttcgcagtc aattgaccat 120
gttaacacac tagaggacga cat   143

<210>   2257
<211>   143
<212>   DNA
<213>   Artificial Sequence

<400>   2257
gccactatca gtggtgaggg tagacagtga gttaaaagat gggttctata atttaggtaa 60
gcctgaaatt gcaggcaagg ttgatgaagt tccaccgcgt cccaataaac caagcgggaa 120
acaatattta gtaatttatg ata   143

<210>   2258
<211>   143
<212>   DNA
<213>   Artificial Sequence

<400>   2258
tcaaccaatt caggtaaaca attgtttgac gtcttagcag atgacctact aacagatgac 60
caatatgagg gtttcttaat tggtaacatt tataagtaca ttaaacgcca caaagaaaaa 120
ggtggcagta ctgaccttga aaa   143

<210>   2259
<211>   143
<212>   DNA
<213>   Artificial Sequence

<400>   2259
attttccata cttctcgcct ctccttttc taatttgtcc acgtcttcct ctaatgcttt 60
agcacgttcc gcgtccacag atttatcttt attttcttct ggttcaacct cgtctgcctc 120
atcatcctta ggttgttcat cct   143

<210>   2260
<211>   143
<212>   DNA
<213>   Artificial Sequence

<400>   2260
aacctagaga ggactgaggt atagattttc agatgaatgg gtcctttgtg gtagcagtag 60
ggtcagagtt agaaaacggg acatatagcg tggtttccaa taaaccaatc gcacaagcac 120
ccagagaatt aattaactgg cta   143

<210>   2261
<211>   143
<212>   DNA
<213>   Artificial Sequence

<400>   2261
ttaaccatgg agcgtcttga cgcacgttta gaggacgtga gagagattaa aaaagagctg 60
tctggtgccc gtcaacaaat cgcggaccta gacaaacgtc tttcgcagtc aattgaccat 120
gttaacaaac tagaggacga cat   143

<210>   2262
<211>   143
<212>   DNA
<213>   Artificial Sequence

<400>   2262
tgctgaacta ttgaatcgca gagaggacgt taccgcagac gagtttgtgt ggacgctatc 60
tgatgaggct aaggaaatgc gtgaggaact agtacgtagt aaaacacctg ttattgattt 120
agcctttaat agtggactat ttg   143

<210>   2263
<211>   143
<212>   DNA
<213>   Artificial Sequence

<400>   2263
tgctgaacta ttgaaacgca gagaggacgt taccgcagac gagtttgtgt ggacgctatc 60
tgatgaggct aaggaaatgc gtgaggaact agtacgtagt aaaacacctg ttattgattt 120
agcctttat agtggactat ttg   143

<210>   2264
<211>   143
<212>   DNA
<213>   Artificial Sequence

<400>   2264
ttctgttagt tgatgtgtcg ttaaacaaca ctcgcatgtt cccgtttgaa tattctatag 60
tcgcaccatt tcctgtccaa ccattaatag tggggtcttt cgagaaatca taattcaata 120
ctaaattatc atttgggtat tgg   143

<210>   2265
<211>   143
<212>   DNA
<213>   Artificial Sequence

<400>   2265
ttaaccatgg agcgtcttga cgcacgttta gaggacgtga gagagattaa aaaagagctg 60
tctggtgccc gtcaacaaat cgcggaccta gacaaacgtc tttcgcagtc aattgaccat 120
gttaacacac tagaggacga cat   143

<210>   2266
<211>   143
<212>   DNA
<213>   Artificial Sequence

<400>   2266
tgctgaacta ttgaatcgca gagaggacgt taccgcagac gagtttgtgt ggacgctatc 60
tgatgaggct aaggaaatgc gtgaggaact agtacgtagt aaaacacctg ttattgattt 120
agccttttat agtggactat ttg   143

<210>   2267
<211>   143
<212>   DNA
<213>   Artificial Sequence

<400>   2267
tacaaatcat cttgggtccg ctgtacaatg acacgtgacc aaacgggtaa gaagttcact 60
tggaactttg agcatatcca atcaaacaac ggaattaaac cagttacaaa aaacccattt 120
acctacactg cacctgtagc aaa   143

<210>   2268
<211>   143
<212>   DNA
<213>   Artificial Sequence

<400>   2268
aacctagaga ggactgaggt atagattttc agatgaatgg gtcctttgtg gtagcagtag 60
ggtcagagtt agaaaacggg acatatagcg tggtttccaa taaaccaatc gcacaagcac 120
ccagagactt aattaactgg cta   143

<210>   2269
<211>   142
<212>   DNA
<213>   Artificial Sequence

<400>   2269
gacagatatg cataatatgt attttatttt tgaccatgag gaatatattg agtcaaaatt 60
tgaactgaaa gaaaaggagg ctgtaaagga aacgggaatt gtacacaaag ccaaaatgta 120
cgtgcgtttg aaaattttcc ca   142

<210>   2270
<211>   142
<212>   DNA
<213>   Artificial Sequence

<400>   2270
catcaactaa cagaatagtc tattatagca atgacttatt aaccaactac ttgccagcag 60
gagttaaata ttccgtcaca atagacgcat tcagcaacaa taatgggtta attagggtag 120
gtaattttga cgctctcagt ac   142

<210>   2271
<211>   142
<212>   DNA
<213>   Artificial Sequence

<400>   2271
agcgcgtact aaaagtcccg cgataaaaga gtggcaagct caagagagtt acaaaacatt 60
aggtaaaata agaaacatga ataaaggggt cttatgtggg gaacaaaaca aattattagt 120
agtagactgt gacgtaaaag gt   142

<210>   2272
<211>   142
<212>   DNA
<213>   Artificial Sequence

<400>   2272
gttgcctgac tgtaaatagc gtaagtatta caataaatga ctagcatgcc agcgtctagt 60
tttgaaattg gtagctgttt aagttgtgga acaaggtcct cgtaaatcaa ccacccttcc 120
ttagtaagtc cctcaggaat at   142

<210>   2273
<211>   142
<212>   DNA
<213>   Artificial Sequence

<400>   2273
attgagggtt acctttgaca agttcgtata ccttgtcccc aactttacct aagaacgtac 60
ctactttatt atcactatca ccacttttaa actcttgcgc gtgtgggtaa atgacagagt 120
atagtagaaa ttcacgtaca tt   142

<210>   2274
<211>   142
<212>   DNA
<213>   Artificial Sequence

<400>   2274
gtagagttgc attatgatac taagtcagaa gatatttttg ttataagaaa tgatatgttc 60
ctatgggact aatgtctaat aaggaggaaa aataaatgat tactgtaacg attaataaat 120
ggcgaaaagc aaaagtgaca cc   142

<210>   2275
<211>   142
<212>   DNA
<213>   Artificial Sequence

<400>   2275
ttttattgtt tgacatgtac tgagagcgtc aaaattacct accctaatta acccattatt 60
gttgctgaat gcgtctattg tgacggaata tttaactcct gctggcaagt agatggttaa 120
taagtcagtg ctataataga ct   142

<210>   2276
<211>   142
<212>   DNA
<213>   Artificial Sequence

<400>   2276
gttgcctgac tgtatatagc gtaagtatta caataaatga ctagcatgcc agcgtctagt 60
tttgaaattg gtagctgttt aagttgtgga acaaggtcct cgtaaatcaa ccacccttcc 120
ttagtaattc cctcaggaat at   142

<210>   2277
<211>   142
<212>   DNA
<213>   Artificial Sequence

<400>   2277
tcattgggtt acctgtttta gattgtgttt caatgttctc tgtaacaaca acctctttta 60
ttccccctgt catggggtca taactcatgg cgttaccttc taatgttttc caaagttcaa 120
acatggtacg cgcgttctct tt   142

<210>   2278
<211>   142
<212>   DNA
<213>   Artificial Sequence

<400>   2278
gttgcctgac tgtatatagc gtaagtatta caataaatga ctagcatgcc agcgtctagt 60
tttgaaattg gtagctgttt aagttgtgga acaaggtcct cgtaaatcaa ccacccttcc 120
ttagtaagtc cctcaggaat at   142

<210>   2279
<211>   142
<212>   DNA
<213>   Artificial Sequence

<400>   2279
tcattgggtt acctgtttta gattgtgttt caatgttctc tgtaacaaca acctctttta 60
ttccccctgt catggggtca taactcatgg cgttaccttc taatgttttc caaagttcaa 120
acatggtccg cgcgttctct tt   142

<210>   2280
<211>   142
<212>   DNA
<213>   Artificial Sequence

<400>   2280
aatttagtat tgaagtatga tttctcgaaa gaccccacta ttaatggttg gacaggaaat 60
ggtgcgacta tagaatattc aaacgggaac atgcgagtgt tgtttaacga ctcatcaact 120
aacagaagag tctattatag ca   142

<210>   2281
<211>   142
<212>   DNA
<213>   Artificial Sequence

<400>   2281
tgctataata gactattctg ttagttgatg agtcgttaaa caacactcgc atgttcccgt 60
ttgaatattc tatagtcgca ccatttcctg tccaaccatt aatagtgggg tctttcgaga 120
aatcatactt caatactaaa tt   142

<210>   2282
<211>   141
<212>   DNA
<213>   Artificial Sequence

<400>   2282
agtcacttgc aaagagcgga atcattagtt ctccatcaac gtcacagtgc aatagaggtg 60
tacggtattg gtagtcaata aaaatggtgt ctgtttcctt atctacatat gcaaaacaac 120
ccgcgtactc atcatatacg t   141

<210>   2283
<211>   141
<212>   DNA
<213>   Artificial Sequence

<400>   2283
aagttctgac accctaataa agatggcgtc tctcagtccc aaattaaatg ccacagtttc 60
ttctagtaaa atattcatgg tgacctctcc tctttacccc tcatgtctct cattaacaac 120
ataatcacag tcacttgcaa a   141

<210>   2284
<211>   141
<212>   DNA
<213>   Artificial Sequence

<400>   2284
gcgtttgttt gattatgcaa aatcctatat gaaagagtat cataatgtag agttgcatta 60
tgatactaag tcagaagata tttttgttat aagaaatgat atgttcctat gggaataatg 120
tctaataagg aggaaaaata a   141

<210>   2285
<211>   141
<212>   DNA
<213>   Artificial Sequence

<400>   2285
aaaagagagg gttctttccc tctcaatttg tttctattac tgtttggatg ttcttgtttg 60
ttgtgacaag aaaaacaaat actttctaaa taattcatat ctaacctatg ttcccatccc 120
tcagaggttc gtatctccgt g   141

<210>   2286
<211>   141
<212>   DNA
<213>   Artificial Sequence

<400>   2286
aaaagagagg gttatttccc tctcaatttg tttctattac tgtttggatg ttcttgtttg 60
ttgtgacaag aaaaacaaat actttctaaa taattcatat ctaacctatg ttcccatccc 120
tcagagggtc gtatctccgt g   141

<210>   2287
<211>   141
<212>   DNA
<213>   Artificial Sequence

<400>   2287
agtctattat agcaatgact tattaaccaa ctacttgcca gcaggagtta aatattccgt 60
cacaatagac gcattcagca acaatcatgg gttaattagg gtaggtaatt ttgacgctct 120
cagtacatgg caaacaataa a   141

<210>   2288
<211>   141
<212>   DNA
<213>   Artificial Sequence

<400>   2288
aacttctact aataactcat agttattcat cttcgttgtc ctcctcatct aacatactaa 60
gttcttcgcg taagaacttg acaacccctt ctaatagctc aattgtttcc tctttgttta 120
ggttctcacc ttccccctct a   141

<210>   2289
<211>   141
<212>   DNA
<213>   Artificial Sequence

<400>   2289
aatacccaaa tgataattta gtattgaatt atgatttctc gaaagacccc actattaatg 60
gttggacagg aaatggtgcg actatagaat attcaaacgg gaacatgcga gtgttgttta 120
acgactcttc aactaacaga a   141

<210>   2290
<211>   141
<212>   DNA
<213>   Artificial Sequence

<400>   2290
tgtactgaga gcgtcaaaat taccgaccct aattaaccca ttattgttgc tgaatgcgtc 60
tattgtgacg gaatatttaa ctcctgctgg caagtagttg gttaataagt cattgctata 120
atagactatt ctgttagttg a   141

<210>   2291
<211>   141
<212>   DNA
<213>   Artificial Sequence

<400>   2291
tggcaaacaa taaaacaagg tgacacacct tcaacgtata aatttgaggg tataaccgca 60
ggggcaacta atgcttttag tatacagggt aattcaaatg ctttaattat aactataaca 120
aaaataataa tcgaactagg a   141

<210>   2292
<211>   141
<212>   DNA
<213>   Artificial Sequence

<400>   2292
cgtcaggacg ggaagaaatt tcacaatacc cctgtttgga atattgtcta tagggtgttc 60
tatcgttagc ctctttctga acaataccac cacccgttgt tgctacccac gcgtgagagt 120
caacaatcaa caattctttt t   141

<210>   2293
<211>   141
<212>   DNA
<213>   Artificial Sequence

<400>   2293
gaaatttcac aatccccctg tttggaatat tgtctatagg gtgttctatc gttagcctct 60
ttctgaacaa taccaccacc cgttgttgct acccacgcgt gagagtcaac aataaacaat 120
tctttttcag ggataggaat a   141

<210>   2294
<211>   141
<212>   DNA
<213>   Artificial Sequence

<400>   2294
gtaacgttac caatgtatgt gttagtaaat ggggtaaaat tgcctattaa tacattgttt 60
ggtgccacag gtgcagagtt taatgggtta tatgacccac gttttcaatt tctaacatgt 120
gtgattgtgc aattaattat g   141

<210>   2295
<211>   141
<212>   DNA
<213>   Artificial Sequence

<400>   2295
cgtcaggacg ggacgaaatt tcacaatacc cctgtttgga atattgtcta tagggtgttc 60
tatcgttagc ctctttctga acaataccac cacccgttgt tgctacccac gcgtgagagt 120
caacaatcaa caattctttt t   141

<210>   2296
<211>   141
<212>   DNA
<213>   Artificial Sequence

<400>   2296
gctataatag actattctgt tagttgatga gtcgttaaac aacactcgca tgttcccgtt 60
tgaatattct atagtcgcac catttcctgt ccaaccatta atagtggggt ctttcgagaa 120
atcataagtc aatactaaat t   141

<210>   2297
<211>   141
<212>   DNA
<213>   Artificial Sequence

<400>   2297
aatttagtat tgacttatga tttctcgaaa gaccccacta ttaatggttg gacaggaaat 60
ggtgcgacta tagaatattc aaacgggaac atgcgagtgt tgtttaacga ctcatcaact 120
aacagaagag tcgattatag c   141

<210>   2298
<211>   141
<212>   DNA
<213>   Artificial Sequence

<400>   2298
cacggagata cgacccctctg agggatggga acataggtta gatatgaatt atttagaaag 60
tatttgtttt tcttgtcaca acaaacaaga acatccaaac agtaatagaa acaaattgag 120
agggaaagaa ccctctcttt t   141

<210>   2299
<211>   140
<212>   DNA
<213>   Artificial Sequence

<400>   2299
tccaaacagg ggtattgtga aatttcgtcc cgtcctgacg gtcagtgtga ttgggaggat 60
atgttaaatt gggttttggc gtttattgag acaaacaatt tagacgtaca aggtatttgt 120
tatgaccctg cacagtctca   140

<210>   2300
<211>   140
<212>   DNA
<213>   Artificial Sequence

<400>   2300
tcaggagcaa tcaaggctat ctggaactgg ttacaaattc tattctttgc taaaatcata 60
aaaggagtca aaggacttgc ctctggtttt ggtaatacaa tcagtggtat gtggacaagt 120
gtcaaaatct ttttcactac   140

<210>   2301
<211>   140
<212>   DNA
<213>   Artificial Sequence

<400>   2301
agagagttac aatacattag gtaaaataag aaacatgaat aaaggggtct tatgtgggga 60
acaaaacaaa ttattagtag tagactgtga cgtaaaaggt aaagcaaacg gaatacactc 120
ttttactacc ttaatgaaag   140

<210>   2302
<211>   140
<212>   DNA
<213>   Artificial Sequence

<400>   2302
tttaaaggag gactaaagat gttaggttgt gattattgta aatttgaacc aatgagggag 60
acactatttt cctcagatta cttatggagt gggaggactg acatgactga ggtgtttata 120
aacgggaaaa ctatgacagt   140

<210>   2303
<211>   140
<212>   DNA
<213>   Artificial Sequence

<400>   2303
ttgtaactct ctagagcttg ccactctttt atcgcgggaa ttttagtacg cgctttgaga 60
ggaaacccct taaattggtt gtatttcatt gtatcactcc ttagaacaaa cgcataagta 120
tataaaccaa tactgtaatc   140

<210>   2304
<211>   140
<212>   DNA
<213>   Artificial Sequence

<400>   2304
accccactaa ctttttaaa catcccgttt tcagcaataa cattgtctga tacaatatta 60
ttaattgaca tcccccagtt ttcccacgct gtaccgttcc attttagcac agtagggtca 120
ttaggttatt gccataatgt   140

<210>   2305
<211>   140
<212>   DNA
<213>   Artificial Sequence

<400>   2305
ctataataga ctattctgtt agttgatgag tcgttaaaca acactcgcat gttcccgtgt 60
gaatattcta tagtcgcacc atttcctgtc caaccattaa tagtggggtc tttcgagaaa 120
tcataattca atactaaatt   140

<210>   2306
<211>   140
<212>   DNA
<213>   Artificial Sequence

<400>   2306
accccactaa ctattttaaa catcccgttt tcagcaataa cattgtctga tacaatatta 60
ttaattgaca tcccccagtt ttcccacgct gtaccgttcc attttagcac agtagggtca 120
ttaggttttt gccataatgt   140

<210>   2307
<211>   140
<212>   DNA
<213>   Artificial Sequence

<400>   2307
tttaaaggag gaataaagat gttaggttgt gattattgta aatttgaacc aatgagggag 60
acactatttt cctcagatta cttatggagt gggaggactg acatgactga ggtgtttata 120
aacgggacaa ctatgacagt   140

<210>   2308
<211>   140
<212>   DNA
<213>   Artificial Sequence

<400>   2308
tcaggagcaa tctaggctat ctggaactgg ttacaaattc tattctttgc taaaatcata 60
aaaggagtca aaggacttgc ctctggtttt ggtaatacaa tcagtggtat gtggacaagt 120
gtcaaaaact ttttcactac   140

<210>   2309
<211>   140
<212>   DNA
<213>   Artificial Sequence

<400>   2309
gtcaggacgg gaagaaattt cacaataccc ctgtttggaa tattgtctat agggtgttct 60
atcgttagcc tctttctgaa caataccacc acccgttgtt gctacccacg cgtgagagtc 120
aacaatatac aattcttttt   140

<210>   2310
<211>   140
<212>   DNA
<213>   Artificial Sequence

<400>   2310
accccactaa ctattttaaa catcccgttt tcagcaataa cattgtctga tacaatatta 60
ttaattgaca tcccccagtt ttcccacgct gtaccgttcc attttagcac agtagggtca 120
ttaggttatt gccataatgt   140

<210>   2311
<211>   140
<212>   DNA
<213>   Artificial Sequence

<400>   2311
tcaggagcaa tctaggctat ctggaactgg ttacaaattc tattctttgc taaaatcata 60
aaaggagtca aaggacttgc ctctggtttt ggtaatacaa tcagtggtat gtggacaagt 120
gtcaaaatct ttttcactac   140

<210>   2312
<211>   140
<212>   DNA
<213>   Artificial Sequence

<400>   2312
tttaaaggag gactaaagat gttaggttgt gattattgta aatttgaacc aatgagggag 60
acactatttt cctcagatta cttatggagt gggaggactg acatgactga ggtgtttata 120
aacgggacaa ctatgacagt   140

<210>   2313
<211>   140
<212>   DNA
<213>   Artificial Sequence

<400>   2313
gtcaggacgg gacgaaattt cacaataccc ctgtttggaa tattgtctat agggtgttct 60
atcgttagcc tctttctgaa caataccacc acccgttgtt gctacccacg cgtgagagtc 120
aacaatatac aattcttttt   140

<210>   2314
<211>   139
<212>   DNA
<213>   Artificial Sequence

<400>   2314
actatatgtt ttgacagata tgcataatat gtattttatt tttgaccatg aggaatatat 60
tgagtcaaaa tttgaactga aagaaaagga ggctgtaaag gaaacgggaa ttgtacacaa 120
agccaaaatg tacgtgcgt   139

<210>   2315
<211>   139
<212>   DNA
<213>   Artificial Sequence

<400>   2315
taaggaaatg cgtgaggacc tagtacgtag taaaacacct gttattgatt tagcctttaa 60
tagtggacta tttgagcaca cgggtaatga gggtgacctt gttgaattga aactcttcac 120
ggacggtatt cttctagca   139

<210>   2316
<211>   139
<212>   DNA
<213>   Artificial Sequence

<400>   2316
ccttttcttg tatagactct ttaccaaaca attgtaataa aagaaagtag tcagcgttct 60
ctatctctga gagttgccag ctactttcta agagggatga atatgtttcc tcaagggttt 120
ctaactgttc ctcaaaggt   139

<210>   2317
<211>   139
<212>   DNA
<213>   Artificial Sequence

<400> 2317
ttcattaact cagattgggc tacagacact ttagaagtaa ctgtgaagaa ccaacgaacc 60
tacttgtaat aacatctagc cactcgccaa agagtggctt ttttatggta taattaataa 120
agaaacacgt gtaaggggg   139

<210> 2318
<211> 139
<212> DNA
<213> Artificial Sequence

<400> 2318
ccttttcttg tttagactct ttaccaaaca attgtaataa aagaaagtag tcagcgttct 60
ctatctctga gagttgccag ctactttcta agagggatga atatgtttcc tcaagggttt 120
ctaactggtc ctcaaaggt   139

<210> 2319
<211> 139
<212> DNA
<213> Artificial Sequence

<400> 2319
cgcattcagc aacaataatg ggttaattag ggtaggtaat tttgacgctc tcagtacatg 60
gcaaacaata aaacaaggtg acacaccttc aacgtataaa tttgagggta taaccgcagg 120
ggcaactcat gcttttagt   139

<210> 2320
<211> 139
<212> DNA
<213> Artificial Sequence

<400> 2320
cggggaattc atcatctaca gcgcaaaacg aggcagacta tcatatgcgc agacccgtca 60
acagtgggtt cttctcgcac gtagtaggta acgggcgagt aattcaaaca gcacgcacaa 120
acgcgggatt ttatgacgt   139

<210> 2321
<211> 139
<212> DNA
<213> Artificial Sequence

<400> 2321
ccccttaca cttgtttctt tattaattat accataaaaa agccactctt tggcgagtgg 60
ctagatgtta ttacaagtag gttcgttggt tcttcacagt tacttctaaa gtgtctgtag 120
cccaatcgga gttaatgaa   139

<210> 2322
<211> 139
<212> DNA
<213> Artificial Sequence

<400> 2322
ttttatgacg ttggtggcgg atggaactcg tggggatatg cggcaattga attgattgaa 60
tcgcacaaaa ccaaagaaga gtttatgaaa gactataagc tactagtaga attaattcgt 120
ctattatgtg atgaagcgg   139

<210> 2323
<211> 139
<212> DNA
<213> Artificial Sequence

<400> 2323
tattgtttgc catgtactga gagcgtcaaa attacctacc ctaattaacc cattattgtt 60
gctgaatgcg tctattgtga cggaatattt aactcctgct ggcaagtagt tggttaataa 120
gtcattgata taatagact   139

<210>   2324
<211>   139
<212>   DNA
<213>   Artificial Sequence

<400>   2324
ccttttcttg tatagactct ttaccaaaca attgtaataa aagaaagtag tcagcgttct 60
ctatctctga gagttgccag ctactttcta agagggatga atatgtttcc tcaagggttt 120
ctaactggtc ctcaaaggt   139

<210>   2325
<211>   139
<212>   DNA
<213>   Artificial Sequence

<400>   2325
cccccttaca cgtgtttctt tattaattat accataaaaa agccactctt tggcgagtgg 60
ctagatgtta ttacaagtag gttcgttggt tcttcacagt tacttctaaa gtgtctgtag 120
cccaatcgga gttaatgaa   139

<210>   2326
<211>   138
<212>   DNA
<213>   Artificial Sequence

<400>   2326
cgatatacca ttgttggagt aggcagcctt ttcgtgcagg ttgatggtat tgatgaatgg 60
ttctactatg accgttttga acgtgactat gttattgagg gaattgaata tagtttgaat 120
gataaacatg gtgctacc   138

<210>   2327
<211>   138
<212>   DNA
<213>   Artificial Sequence

<400>   2327
tctgatgagg ctaaggaaat gcgtgaggac ctagtacgta gtaaaacacc tgttattgat 60
ttagccttta atagtggact atttgagcac acgggtaatg agggtgacct tgttgaattg 120
aaactcttca cggacggt   138

<210>   2328
<211>   138
<212>   DNA
<213>   Artificial Sequence

<400>   2328
tagtgttatt ataccattta tgtgtaaaac gttgttatac tagctcatac gcaacatcaa 60
ggttacctaa atcattttta gcaatcttaa caataacaaa ctcatcctca acttcatcct 120
ggtccccatc cacgcgta   138

<210>   2329
<211>   138
<212>   DNA
<213>   Artificial Sequence

<400>   2329
ttgttacaga gaacattgaa acacaatcta aaaaaggtaa cccaatgaga cgcctgaaac 60
tccgtgagac acgcacaggt agggaggctg tttcttactt aatgacttgg aaacctgatt 120
ttacacgttg ggaggaca   138

<210>   2330
<211>   138
<212>   DNA
<213>   Artificial Sequence

<400>   2330
agggtagaca ttgagttaaa agatgggttc tataatttag gtaagcctga aattgcaggc 60
aaggttgatg aagttccacc gcgtcccaat aaaccaagcg ggaaacaata tttagtaatt 120
tatgatagtg aggtattt   138

<210>   2331
<211>   138
<212>   DNA
<213>   Artificial Sequence

<400>   2331
ccggatggaa gtgtaagtaa acctcagatt gtaaatatct tgcgtagtaa accagataca 60
aacctaacgt cctacggttg gttgtatgct attaccatgt atacccttt atatgggtct 120
gcgtttgcaa tcattaga   138

<210>   2332
<211>   138
<212>   DNA
<213>   Artificial Sequence

<400>   2332
agggtagaca gtgagttaaa agatgggttc tataatttag gtaagcctga aattgcaggc 60
aaggttgatg aagttccacc gcgtcccaat aaaccaagcg ggaaacaata tttagtaatt 120
tatgatattg aggtattt   138

<210>   2333
<211>   138
<212>   DNA
<213>   Artificial Sequence

<400>   2333
ctccttacct acaggcggtt ctactgtacc tgtaacaata acaggtgtca cttttgcttt 60
tcgccattta ttaatcgtta cagtaatcat ttatttttcc tccttattag acattattcc 120
cataggacca tatcattt   138

<210>   2334
<211>   138
<212>   DNA
<213>   Artificial Sequence

<400>   2334
ttaacgactc atcaactaac agaatagtct attatagcaa tgacttatta accaactact 60
tgccagcagg agttaaatat tccgtcacaa tagacgcatt cagcaacaat aatgggttaa 120
ttagggtcgg taattttg   138

<210>   2335
<211>   138
<212>   DNA
<213>   Artificial Sequence

<400>   2335
ttactaagga cgggtggttg atttacgagg accttgttcc acaacttaaa cagctaccaa 60
tttcaaaact agacgctggc atgctagtca tttattgtaa tacttacgct atttacagtc 120
aggcaactca agaggtat   138

<210>   2336
<211>   138
<212>   DNA
<213>   Artificial Sequence

<400>   2336
aacttaatga atagtacaac ctcacaaaac ctaaacggac actatcatat ggaggaatat 60
ccaatgacta tgaaagtatt aacaggtgag gtagaggctg aacactactt agctctatgg 120
tgggaaatgg atagtttt   138

<210>   2337
<211>   138
<212>   DNA
<213>   Artificial Sequence

<400>   2337
aacttaatga ttagtacaac ctcacaaaac ctaaacggac actatcatat ggaggaatat 60
ccaatgacta tgaaagtatt aacaggtgag gtagaggctg aacactactt agctctatgg 120
tgggaaaggg atagtttt   138

<210>   2338
<211>   138
<212>   DNA
<213>   Artificial Sequence

<400>   2338
ctccttacct ccaggcggtt ctactgtacc tgtaacaata acaggtgtca cttttgcttt 60
tcgccattta ttaatcgtta cagtaatcat ttatttttcc tccttattag acattattcc 120
cataggaaca tatcattt   138

<210>   2339
<211>   138
<212>   DNA
<213>   Artificial Sequence

<400>   2339
tctaatgatt tcaaacgcag acccatataa aagggtatac atggtaatag catacaacca 60
accgtaggac gttaggtttg tatctggttt actacgcaag atatttacaa tctgaggttt 120
acttacaatt ccatccgg   138

<210>   2340
<211>   138
<212>   DNA
<213>   Artificial Sequence

<400>   2340
acacgtttag tgttttgtag gtaatatcca ctgacccatc ctgaggcagg tattttctta 60
cctgagttct tagttacata ataccattgg ttgtttttaa taatcttttg acccgtttga 120
cgtttgggtg tttcaaac   138

<210>   2341
<211>   138
<212>   DNA
<213>   Artificial Sequence

<400>   2341
gtttgaaaca cccaaacgtc aaacgggtca aaagattatt aaaaacaacc aatggtatta 60
tgtaactaag aactcaggta agaaaatacc tgcctcagga tgggtcagtg gatattacct 120
acaaaaccct aaacgtgt   138

<210>   2342
<211>   138
<212>   DNA
<213>   Artificial Sequence

<400>   2342
tctaatgatt tcaaacgcag acccatataa aagggtatac atggtaatag catacaacca 60
accgtaggac gttaggtttg tatctggttt actacgcaag atatttacaa tctgaggttt 120
acttacactt ccatccgg   138

<210>   2343
<211>   138
<212>   DNA
<213>   Artificial Sequence

<400> 2343
agggtagaca gtgagttaaa agatgggttc tataatttag gtaagcctga aattgcaggc 60
aaggttgatg aagttccacc gcgtcccaat aaaccaagcg ggaaacaata tttagtaatt 120
tatgatagtg aggtattt   138

<210> 2344
<211> 138
<212> DNA
<213> Artificial Sequence

<400> 2344
ctccttacct ccaggcggtt ctactgtacc tgtaacaata acaggtgtca cttttgcttt 60
tcgccattta ttaatcgtta cagtaatcat ttatttttcc tccttattag acattattcc 120
cataggacca tatcattt   138

<210> 2345
<211> 138
<212> DNA
<213> Artificial Sequence

<400> 2345
aacttaatga atagtacaac ctcacaaaac ctaaacggac actatcatat ggaggaatat 60
ccaatgacta tgaaagtatt aacaggtgag gtagaggctg aacactactt agctctatgg 120
tgggaaaggg atagtttt   138

<210> 2346
<211> 137
<212> DNA
<213> Artificial Sequence

<400> 2346
ggggatgaaa ttaatgaaca ctattttcac accaactaag caacaaaaag agaacgcgcg 60
taccatgttt gaactttgga aaacattaga aggtaacgcc atgagttatg accccatgac 120
agggggaata aaagagg   137

<210> 2347
<211> 137
<212> DNA
<213> Artificial Sequence

<400> 2347
gttcaacgga gacggtcaac tatatgtttt gacagatatg cataatatgt attttatttt 60
tgaccatgag gaatatattg agtcaaaatt tgaactgaaa gaaaaggagg ctgtaaagga 120
aacgggaatt gtacaca   137

<210> 2348
<211> 137
<212> DNA
<213> Artificial Sequence

<400> 2348
ggtaattaat tgagactgtg cagggtcata acaaatacct tgtacgtcta aattgtttgt 60
ctcaataaac gccaaaaccc aatttaacat atcctcccaa tcacactgac cgtcaggacg 120
ggacgaaatt tcacaat   137

<210> 2349
<211> 137
<212> DNA
<213> Artificial Sequence

<400> 2349
tcagacacct tagacgcaag gcacactact acgagtttct ttagccctga ttttttaaac 60
gattctaatg ccatgagtgt cttgccagag ccaacctcac tatgatttag attatgtgtt 120
tcccatttgt ctatgac   137

<210>   2350
<211>   137
<212>   DNA
<213>   Artificial Sequence

<400>   2350
agtcacagtt actaaagcac tgaagacaag taactcagca gactcaatac ccgtgttctc 60
atttaactca cgcgcctttt caaccactaa atcacctaat tttgtagtat ctaaattcat 120
gtctattttc ctcccttt   137

<210>   2351
<211>   137
<212>   DNA
<213>   Artificial Sequence

<400>   2351
ttcccaccag agagctaagt agtgttcagc ctctacctca cctgttaata ctttcatagt 60
cattggatat tcctccatat gatagtgtcc gtttaggttt tgtgaggttg tactaatcat 120
taagttaagg ggttgta   137

<210>   2352
<211>   137
<212>   DNA
<213>   Artificial Sequence

<400>   2352
ttgtttgcca tgtactgaga gcgtcaaaat tacctaccct aattaaccca ttattgttgc 60
tgaatgcgtc tattgtgacg gaatatttaa ctcctgctgg caagtagttg gttaataagt 120
cattgctcta atagact   137

<210>   2353
<211>   137
<212>   DNA
<213>   Artificial Sequence

<400>   2353
tagcgcctga ggttgctgag gaatttagca aacgcgtacc atactggtct aacagtaaag 60
caaaaatgag cggtaagcgt ggttcatata tgggtgagca tatgagagac catgttatct 120
atagcaatgc caaagat   137

<210>   2354
<211>   137
<212>   DNA
<213>   Artificial Sequence

<400>   2354
aatttagtag tgaattatga tttctcgaaa gaccccacta ttaatggttg gacaggaaat 60
ggtgcgacta tagaatattc aaacgggaac atgcgagtgt tgtttaacga ctcatcaact 120
aacagaagag tctatta   137

<210>   2355
<211>   137
<212>   DNA
<213>   Artificial Sequence

<400>   2355
ctcctaactt tgattgtatg ctagtctatt tatcatttta ctcatgtagt caacttggtt 60
ctgtaacgtg tctactgcgt tatcttgagt gctatatccg tttagttcat aaatgaggtc 120
gtccatgtct aacgcgt   137

<210>   2356
<211>   137
<212>   DNA
<213>   Artificial Sequence

<400> 2356
ctcctaactg tgattgtatg ctagtctatt tatcatttta ctcatgtagt caacttggtt 60
ctgtaacgtg tctactgcgt tatcttgagt gctatatccg tttagttcat aaatgaggtc 120
gtccatggct aacgcgt   137

<210> 2357
<211> 137
<212> DNA
<213> Artificial Sequence

<400> 2357
tagcgcctgt ggttgctgag gaatttagca aacgcgtacc atactggtct aacagtaaag 60
caaaaatgag cggtaagcgt ggttcatata tgggtgagca tatgagagac catgttatct 120
atagcaaagc caaagat   137

<210> 2358
<211> 137
<212> DNA
<213> Artificial Sequence

<400> 2358
aatttagtag tgaattatga tttctcgaaa gaccccacta ttaatggttg gacaggaaat 60
ggtgcgacta tagaatattc aaacgggaac atgcgagtgt tgtttaacga ctcatcaact 120
aacagaatag tctatta   137

<210> 2359
<211> 137
<212> DNA
<213> Artificial Sequence

<400> 2359
ctcctaactg tgattgtatg ctagtctatt tatcatttta ctcatgtagt caacttggtt 60
ctgtaacgtg tctactgcgt tatcttgagt gctatatccg tttagttcat aaatgaggtc 120
gtccatgtct aacgcgt   137

<210> 2360
<211> 137
<212> DNA
<213> Artificial Sequence

<400> 2360
tagcgcctgt ggttgctgag gaatttagca aacgcgtacc atactggtct aacagtaaag 60
caaaaatgag cggtaagcgt ggttcatata tgggtgagca tatgagagac catgttatct 120
atagcaatgc caaagat   137

<210> 2361
<211> 136
<212> DNA
<213> Artificial Sequence

<400> 2361
tactatgacc gttttgaacg tgactatgtt aatgagggaa ttgaatatag tttgaaagat 60
aaacatggtg ctaccttgag tgtcgctagg ttatataaag ataaaacagt gattaaaatt 120
actgatttta cgaatg   136

<210> 2362
<211> 136
<212> DNA
<213> Artificial Sequence

<400> 2362
ttaagttgtg gaacaaggtc ctcgtaaatc aaccaccctt ccttagtaag tccctcagga 60
atatcgtcta atgaaagttg ttcataatta tataactctt gttcttcttg ctcgcgctca 120
atacgctcct cttttg   136

<210>   2363
<211>   136
<212>   DNA
<213>   Artificial Sequence

<400>   2363
ccatacaaac gaagtaaaat tatcagtaat gtcatccttg cctttgacaa ctttagctga 60
tatactgatt gtaccctcac catttacaaa aaactgttta gacggtgtaa taattacctc 120
agacggacta ctgttg   136

<210>   2364
<211>   136
<212>   DNA
<213>   Artificial Sequence

<400>   2364
acgcaacatc aaggttacct aaatcatttt tagcaatctt aacaataaca aactcatcct 60
caacttcatc ctgttcccca tccacgcgta gagtcacttt cttttctatt tcttgctcct 120
gtaaacgcat tccctc   136

<210>   2365
<211>   136
<212>   DNA
<213>   Artificial Sequence

<400>   2365
tttgctcaat tggatacgtt gaaagacgca gacggacgat acattattca accaaacgta 60
gcaatggcaa gtggtaaaac attgtttggt aaagaggtaa ttgtacttcc tgacgctatc 120
tttaaaatcg acacaa   136

<210>   2366
<211>   136
<212>   DNA
<213>   Artificial Sequence

<400>   2366
tacaaatcat cttggttccg ctgtacaatg acacgtgacc aaacgggtaa gaagttcact 60
tggaactttg agcatatcca atcaaacaac ggaattaaac cagttacaaa aaacccattt 120
acctacactg cacctg   136

<210>   2367
<211>   136
<212>   DNA
<213>   Artificial Sequence

<400>   2367
tgtacgccat ttcccactcg tctacagaaa tgtatgacgt tgcttggtcc gcaacccaaa 60
aattaagctc cttagttagg aagttggtga gattaccttt agcctctccc tctgtctttt 120
tagcccgttt gtgttc   136

<210>   2368
<211>   136
<212>   DNA
<213>   Artificial Sequence

<400>   2368
ttgatatgtt caaaaccatg cacccacatt tagccaatgt gaatgtaact cagtcaaaaa 60
taactgagtc ccttacctca ttctttgaac gatttgacag tgactacagg caactcaaag 120
cgtggtaccc tatacg   136

<210>   2369
<211>   136
<212>   DNA
<213>   Artificial Sequence

<400> 2369
ccatacaatc gaagtaaaat tatcagtaat gtcatccttg cctttgacaa ctttagctga 60
tatactgatt gtaccctcac catttacaaa aaactgttta gacggtgtaa taattacctc 120
agacggaata ctgttg   136

<210> 2370
<211> 136
<212> DNA
<213> Artificial Sequence

<400> 2370
tacaaatcct cttggttccg ctgtacaatg acacgtgacc aaacgggtaa gaagttcact 60
tggaactttg agcatatcca atcaaacaac ggaattaaac cagttacaaa aaacccattt 120
acctacaatg cacctg   136

<210> 2371
<211> 136
<212> DNA
<213> Artificial Sequence

<400> 2371
ttcactagtt ccgtcagaca ctagtgttgg ttgttcagat tgcccactag gtcttatatt 60
tgggttaggt tcgtcattga atgagaaacg gtctgttcct gtttcgttga aagcgtatgc 120
ggtacgtacc tcccca   136

<210> 2372
<211> 136
<212> DNA
<213> Artificial Sequence

<400> 2372
ctaatgcgcc acacactgct ctgtaaaatt ggtcatgctc tagataatga acaggaacta 60
gaggcgcaac gattaggtaa actattatgg aacctagaga acgacaattc agaagaacaa 120
acagagtctg attggg   136

<210> 2373
<211> 136
<212> DNA
<213> Artificial Sequence

<400> 2373
ggacgggaag aaatttcaca ataccccctgt ttggaatatt gtctataggg tgttctatcg 60
ttagcctctt tctgaacaat accaccaccc gttgttgcta cccacgcgtg agagtcaaca 120
ataaacactt cttttt   136

<210> 2374
<211> 136
<212> DNA
<213> Artificial Sequence

<400> 2374
gagcgcaaac gtaactaagt tttggatgaa agtaagtaag aaagcaggac acacctattt 60
aatgagcgga actccaattt ctaacggaat gttagaacaa tggttttctc aattgaaaat 120
cgcaggtgta tactct   136

<210> 2375
<211> 136
<212> DNA
<213> Artificial Sequence

<400> 2375
tctttttta atactttaaa tgaaagtcct atatcaatca tcatttttat accattctga 60
aatgttaatt taaccgcgtt acctactgac ccactgctta taatcttata ttcaatcatc 120
taatcacccc caatca   136

<210>   2376
<211>   136
<212>   DNA
<213>   Artificial Sequence

<400>   2376
agtaatcatt tatttttcct ccttattaga cattattccc ataggaacat atcatttctt 60
ataacaaaaa tatcttctga cttagtatca taatgcaact ctacattatg atactctttc 120
atataggatt ttgcat   136

<210>   2377
<211>   136
<212>   DNA
<213>   Artificial Sequence

<400>   2377
gagcgcaatc gtaactaagt tttggatgaa agtaagtaag aaagcaggac acacctattt 60
aatgagcgga actccaattt ctaacggaat gttagaacaa tggttttctc aattgaaaat 120
cgcaggttta tactct   136

<210>   2378
<211>   136
<212>   DNA
<213>   Artificial Sequence

<400>   2378
ttgaaacaac caaacgtcaa acgggtcaaa agattattaa aaacaaccaa tggtattatg 60
taactaagaa ctcaggtaag aaaatacctg cctcaggatg ggtcagtgga tattacctac 120
aaaaccctaa acgtgt   136

<210>   2379
<211>   136
<212>   DNA
<213>   Artificial Sequence

<400>   2379
tgtacgcctt ttcccactcg tctacagaaa tgtatgacgt tgcttggtcc gcaacccaaa 60
aattaagctc cttagttagg aagttggtga gattaccttt agcctctccc tctgtctttt 120
tagcccgatt gtgttc   136

<210>   2380
<211>   136
<212>   DNA
<213>   Artificial Sequence

<400>   2380
tacgctagag aatacttttt caactaattt gcttgggtta gttgcgtagt cccaaacgtc 60
accaacaaca ctgctaacct tatcaaacgc acttttagcc atgtttttgg caccgttcca 120
gatgtttatt acgcct   136

<210>   2381
<211>   136
<212>   DNA
<213>   Artificial Sequence

<400>   2381
atgcaaaaac ctatatgaaa gagtatcata atgtagagtt gcattatgat actaagtcag 60
aagatatttt tgttataaga aatgatatgt tcctatggga ataatgtcta ataaggagga 120
aaaataattg attact   136

<210>   2382
<211>   136
<212>   DNA
<213>   Artificial Sequence

<400>   2382
ttaaaacgtg ggttccttttt cgtccccaca tcgttacgtt cttaccttta gggataaccg 60
cttgaccact tgggtcaata accatttcag caccacgtcc atcattgaca gtcatgggac 120
catctaccgg gtgacc   136

<210>   2383
<211>   136
<212>   DNA
<213>   Artificial Sequence

<400>   2383
aatttagtct tgaattatga tttctcgaaa gaccccacta ttaatggttg gacaggaaat 60
ggtgcgacta tagaatattc aaacgggaac atgcgagtgt tgtttaacga ctcatcaact 120
aacagaatag tctatt   136

<210>   2384
<211>   136
<212>   DNA
<213>   Artificial Sequence

<400>   2384
aatttagtct tgaattatga tttctcgaaa gaccccacta ttaatggttg gacaggaaat 60
ggtgcgacta tagaatattc aaacgggaac atgcgagtgt tgtttaacga ctcatcaact 120
aacagaagag tctatt   136

<210>   2385
<211>   136
<212>   DNA
<213>   Artificial Sequence

<400>   2385
ggacgggacg aaatttcaca ataccccctgt ttggaatatt gtctataggg tgttctatcg 60
ttagcctctt tctgaacaat accaccaccc gttgttgcta cccacgcgtg agagtcaaca 120
ataaacactt cttttt   136

<210>   2386
<211>   136
<212>   DNA
<213>   Artificial Sequence

<400>   2386
gagcgcaatc gtaactaagt tttggatgaa agtaagtaag aaagcaggac acacctattt 60
aatgagcgga actccaattt ctaacggaat gttagaacaa tggttttctc aattgaaaat 120
cgcaggtgta tactct   136

<210>   2387
<211>   136
<212>   DNA
<213>   Artificial Sequence

<400>   2387
ccatacaatc gaagtaaaat tatcagtaat gtcatccttg cctttgacaa ctttagctga 60
tatactgatt gtaccctcac catttacaaa aaactgttta gacggtgtaa taattacctc 120
agacggacta ctgttg   136

<210>   2388
<211>   136
<212>   DNA
<213>   Artificial Sequence

<400>   2388
tgtacgccat ttcccactcg tctacagaaa tgtatgacgt tgcttggtcc gcaacccaaa 60
aattaagctc cttagttagg aagttggtga gattaccttt agcctctccc tctgtctttt 120
tagcccgatt gtgttc   136

<210>   2389
<211>   136
<212>   DNA
<213>   Artificial Sequence

<400>   2389
tacaaatcct cttggttccg ctgtacaatg acacgtgacc aaacgggtaa gaagttcact 60
tggaactttg agcatatcca atcaaacaac ggaattaaac cagttacaaa aaacccattt 120
acctacactg cacctg   136

<210>   2390
<211>   136
<212>   DNA
<213>   Artificial Sequence

<400>   2390
atgcaaaatc ctatatgaaa gagtatcata atgtagagtt gcattatgat actaagtcag 60
aagatatttt tgttataaga aatgatatgt tcctatggga ataatgtcta ataaggagga 120
aaaataattg attact   136

<210>   2391
<211>   135
<212>   DNA
<213>   Artificial Sequence

<400>   2391
gacggtcaac tatatgtttt gacagatatg cataatatgt attttatttt tgaccatgag 60
gaatatattg agtcaaaatt tgaactgaaa gaaaaggagg ctgtaaagga aacgggaatt 120
gtacacaaag ccaaa   135

<210>   2392
<211>   135
<212>   DNA
<213>   Artificial Sequence

<400>   2392
tcctccggtg cgtgtaccgc gtgagacaac aatttgagca tgaacagcct caggtttgtt 60
ctcatagacg catgacccta tgaactcaca taatgctttt tcacttagtg ggtcagtaaa 120
gaagttgacc gcttg   135

<210>   2393
<211>   135
<212>   DNA
<213>   Artificial Sequence

<400>   2393
tccgtcaata cctaaaccaa acttcatatt tcctactggt tttccgcttt gcaccatgtg 60
ttaatcagct ccttttttct ctagcttttc aaggtcctca ggacttaaga aacgcttaat 120
aaagtcagcg ccatc   135

<210>   2394
<211>   135
<212>   DNA
<213>   Artificial Sequence

<400>   2394
cgatttaatt atgattgata aacaagttaa ccgcaacaag attgaccctc ttgacgcgct 60
tataaacgcg tacagtgaag catactttta tgagttcgag gaaataaact ggtcagaacg 120
ttacgcacgc ggtga   135

<210>   2395
<211>   135
<212>   DNA
<213>   Artificial Sequence

<400> 2395
cccactattg acggtgaaac cagttggcaa tttcgtacct ctgtagtttt catttagacc 60
aatttcgtct ttaattggct ctgtagcgtc tttgttttct tcattgccaa actgtaggac 120
tttaccggtt tcgtt   135

<210> 2396
<211> 135
<212> DNA
<213> Artificial Sequence

<400> 2396
aataaacggg tcagaacgtt acgcaagcgg tgattttggt tttggactgt aataaacgaa 60
cgaggcaacc caactagggt tgtctttttc gtgttataat ttataaagaa gttataattg 120
gaggaggttc accat   135

<210> 2397
<211> 135
<212> DNA
<213> Artificial Sequence

<400> 2397
atctaaaacc tcaatctcat tcatttgtaa ctcacctttt tcaacctttt ccattttact 60
gtagtatgct aaaatctcgc gcattgttcg tacagttact ttctccgctg taaatgtttg 120
ttttttaact tttac   135

<210> 2398
<211> 135
<212> DNA
<213> Artificial Sequence

<400> 2398
cccactagtg acggtgaaac cagttggcaa tttcgtacct ctgtagtttt catttagacc 60
aatttcgtct ttaattggct ctgtagcgtc tttgttttct tcattgccaa actgtaggac 120
tttaccgttt tcgtt   135

<210> 2399
<211> 135
<212> DNA
<213> Artificial Sequence

<400> 2399
atggtgaccc tcctccaatt ataacttctt tataaattat aacacgaaaa agacaaccct 60
agttgggttg cctcgttcgt ttattacagt ccaaaaccaa aatcaccgct tgcgtaacgt 120
tctgaccagt ttatt   135

<210> 2400
<211> 135
<212> DNA
<213> Artificial Sequence

<400> 2400
tgctggctag tagttggtta ataagtcatt gctataatag actcttctgt tagttgatga 60
gtcgttaaac aacactcgca tgttcccgtt tgaatattct atagtcgcac catttcctgt 120
ccaaccatta atagt   135

<210> 2401
<211> 135
<212> DNA
<213> Artificial Sequence

<400> 2401
atggtgaccc tcctccaatt ataacttctt tataaattat aacacgaaaa agacaaccct 60
agttgggttg cctcgttcgt ttattacagt ccaaaaccaa aatcaccgct tgcgtaacgt 120
tctgacccgt ttatt   135

<210>   2402
<211>   135
<212>   DNA
<213>   Artificial Sequence

<400>   2402
cccactagtg acggtgaaac cagttggcaa tttcgtacct ctgtagtttt catttagacc 60
aatttcgtct ttaattggct ctgtagcgtc tttgttttct tcattgccaa actgtaggac 120
tttaccggtt tcgtt   135

<210>   2403
<211>   135
<212>   DNA
<213>   Artificial Sequence

<400>   2403
atctaaatcc tcaatctcat tcatttgtaa ctcacctttt tcaacctttt ccattttact 60
gtagtatgct aaaatctcgc gcattgttcg tacagttact ttctccgctg taaatgtttg 120
ttttttaact tttac   135

<210>   2404
<211>   134
<212>   DNA
<213>   Artificial Sequence

<400>   2404
aagggaggaa aatagacatg aatttagata ctacaaaatt aggtgattta gtggttgaaa 60
aggcgcgtga gttaaatgag aaaacgggta ttgagtctgc tgagttactt gtcttcagtg 120
ctttagtaac tgtg   134

<210>   2405
<211>   134
<212>   DNA
<213>   Artificial Sequence

<400>   2405
cgcgcgtacc atgtttgaac tttggaaaac attagaaggt aacgccatga gttatgaccc 60
catgacaggg ggaataaaag aggttgttgt tacagagaac attgaaacac aatctaaaaa 120
aggtaaccca atga   134

<210>   2406
<211>   134
<212>   DNA
<213>   Artificial Sequence

<400>   2406
tgctgaatgc gtctattgtg acggaatatt taactcctgc tggcaagtag ttggttaata 60
agtcattgct ataatagact attctgttag ttgatgagtc gttaaacaac actcgcatgt 120
tcccgtttga atat   134

<210>   2407
<211>   134
<212>   DNA
<213>   Artificial Sequence

<400>   2407
ggacgggacg aaatttcaca ataccccctgt ttggaatatt gtctataggg tgttctatcg 60
ttagcctctt tctgaacaat accaccaccc gttgttgcta cccacgcgtg agagtcaaca 120
ataaacaatt cttt   134

<210>   2408
<211>   134
<212>   DNA
<213>   Artificial Sequence

<400>   2408
ttgtcaatga ctgtcatcaa ctttttaat tagaattatg ttataataga atgagaacat 60
tatgaggagg ttataagatg gcacagcctg tctttttacg aaactttaca ttaaatggtg 120
tagatatagg tgag   134

<210>   2409
<211>   134
<212>   DNA
<213>   Artificial Sequence

<400>   2409
tgaggaccta gtacgtagta aaacacctgt tattgattta gcctttaata gtggactatt 60
tgagcacacg ggtaatgagg gtgaccttgt tgaattgaaa ctcttcacgg acggtattct 120
tctagcaaac agat   134

<210>   2410
<211>   134
<212>   DNA
<213>   Artificial Sequence

<400>   2410
gagttattat ggaatatggg cgccatcatg tttgaaaagg tttatccatt attaaaaccc 60
atactagaca cgatttttag tgcgttcggt agcattttca atcaggtaag cgagttctat 120
aatcagtatg gtaa   134

<210>   2411
<211>   134
<212>   DNA
<213>   Artificial Sequence

<400>   2411
tcttggttcc gctgtacaat gacacgtgac caaacgggta agaagttcac ttggaacttt 60
gagcatatcc aatcaaacaa cggaattaaa ccagttacaa aaaacccatt tacctacact 120
gcacctgtag caaa   134

<210>   2412
<211>   134
<212>   DNA
<213>   Artificial Sequence

<400>   2412
tggggactct ttgacgcagt aacggctaca ccaacagcag gagccactaa attaactaaa 60
acagcagtgt caacaatacg tcctgcatac ctatcaaatg gctacagtgc tttgcgcggt 120
acaacgtaca ctgt   134

<210>   2413
<211>   134
<212>   DNA
<213>   Artificial Sequence

<400>   2413
atctgtgtgc tagaagaata ccgtccgtga agagtttcaa ttcaacaagg tcaccctcat 60
tacccgtgtg ctcaaatagt ccactattaa aggctaaatc aataacaggt gttttactac 120
gtactagttc ctca   134

<210>   2414
<211>   134
<212>   DNA
<213>   Artificial Sequence

<400>   2414
gtatgtttta ccttttacaa agtttggcac tggttgaccc gtttggtatt tagttgcttt 60
ggcgcgtact tttactttac tacctacagg gaaatcacgt gtgtctgtga tttttggttt 120
agacggtggt ggtt   134

<210>   2415
<211>   134
<212>   DNA
<213>   Artificial Sequence

<400>   2415
cgtgaaacat taatacgtga gcctgtcatt ctagaaatct gactctcgtc tgtttcagga 60
taaccatagt aggcgcgtac ctcgttaggt ttaagatact caatgccttt ggctgtaccc 120
tcaaacattc gttt   134

<210>   2416
<211>   134
<212>   DNA
<213>   Artificial Sequence

<400>   2416
ggtgaggtat ttgtggtagg tactgtaaca attccattcc taaatgtaga acgcggatat 60
tatcaagtgg gtaattcaga cggtcagaac ctacaatata caagaatagg caataacacg 120
cttacttttg atgg   134

<210>   2417
<211>   134
<212>   DNA
<213>   Artificial Sequence

<400>   2417
tggggaatct ttgacgcagt aacggctaca ccaacagcag gagccactaa attaactaaa 60
acagcagtgt caacaatacg tcctgcatac ctatcaaatg gctacagtgc tttgcgcggt 120
acaacgtcca ctgt   134

<210>   2418
<211>   134
<212>   DNA
<213>   Artificial Sequence

<400>   2418
gtccatgtta ccttatccac tacctccctt gtggctactg agtctttata cttgagtagc 60
catctagatg atttaacaac ggaagctttg tttgctacag gtgcattgta ggtaaatggg 120
ttttttgtaa ctgg   134

<210>   2419
<211>   134
<212>   DNA
<213>   Artificial Sequence

<400>   2419
aatttattat tgaattatga tttctcgaaa gaccccacta ttaatggttg gacaggaaat 60
ggtgcgacta tagaatattc aaacgggaac atgcgagtgt tgtttaacga ctcatcaact 120
aacagaatag tcta   134

<210>   2420
<211>   134
<212>   DNA
<213>   Artificial Sequence

<400>   2420
tgaggaccta gtacgtagta aaacacctgt tattgattta gcctttaata gtggactatt 60
tgagcacacg ggtaatgagg gtgaccttgt tgaattgaaa ctcttcacgg acggtattct 120
tctagcacac agat   134

<210>   2421
<211>   134
<212>   DNA
<213>   Artificial Sequence

<400>   2421
tggggactct ttgacgcagt aacggctaca ccaacagcag gagccactaa attaactaaa 60
acagcagtgt caacaatacg tcctgcatac ctatcaaatg gctacagtgc tttgcgcggt 120
acaacgtcca ctgt   134

<210>   2422
<211>   134
<212>   DNA
<213>   Artificial Sequence

<400>   2422
tagactcttc tgttagttga tgagtcgtta aacaacactc gcatgttccc gtttgaatat 60
tctatagtcg caccatttcc tgtccaacca ttaatagtgg ggtctttcga gaaatcataa 120
ttcaataata aatt   134

<210>   2423
<211>   133
<212>   DNA
<213>   Artificial Sequence

<400>   2423
agagaacgcg cgtaccatgt ttgaactttg gaaaacatta gaaggtaacg ccatgagtta 60
tgaccccatg acaggggaa taaaagaggt tgttgttaca gagaacattg aaacacaatc 120
taaaaaaggt aac   133

<210>   2424
<211>   133
<212>   DNA
<213>   Artificial Sequence

<400>   2424
gctggcaagt agttggttaa taagtcattg ctataataga ctattctgtt agttgatgag 60
tcgttaaaca acactcgcat gttcccgttt gaatattcta tagtcgcacc atttcctgtc 120
caaccattaa tag   133

<210>   2425
<211>   133
<212>   DNA
<213>   Artificial Sequence

<400>   2425
gttggttaat aagtcattgc tataatagac tattctgtta gttgatgagt cgttaaacaa 60
cactcgcatg ttcccgtttg aatattctat agtcgcacca tttcctgtcc aaccattaat 120
agtggggtct ttc   133

<210>   2426
<211>   133
<212>   DNA
<213>   Artificial Sequence

<400>   2426
cataacaaat accttgtacg tctaaattgt ttgtctcaat aaacgccaaa acccaattta 60
acatatcctc ccaatcacac tgaccgtcag gacgggacga aatttcacaa tacccctgtt 120
tggaatattg tct   133

<210>   2427
<211>   133
<212>   DNA
<213>   Artificial Sequence

<400>   2427
cccaatttaa catatcctcc caatcacact gaccgtcagg acgggacgaa atttcacaat 60
acccctgttt ggaatattgt ctatagggtg ttctatcgtt agcctctttc tgaacaatac 120
caccacccgt tgt   133

<210>   2428
<211>   133
<212>   DNA
<213>   Artificial Sequence

<400>   2428
agtaagtccc tcaggaatat cgtctaatga aagttgttca taattatata actcttgttc 60
ttcttgctcg cgctcaatac gctcctcttt tgttaaatga ctattatctt gtgcgctgat 120
tagttttcta ggt   133

<210>   2429
<211>   133
<212>   DNA
<213>   Artificial Sequence

<400>   2429
tcctggtccc catccacgcg tatagtcact ttcttttcta tttcttgctc ctgtaaacgc 60
attccctcag cgcgtacttt ctcatattgc tgtactgcct ccattaggtc taaaccgttg 120
tttgcatata cag   133

<210>   2430
<211>   133
<212>   DNA
<213>   Artificial Sequence

<400>   2430
tttagattga aattcactat ctactagcat gtttgtagat gtactttgtg tgtttctaaa 60
tgggtcactt aaaatagagt gtgccacacc ctcagggcat gaaaatgtta acgtcaacgg 120
tgtaatgtct aaa   133

<210>   2431
<211>   133
<212>   DNA
<213>   Artificial Sequence

<400>   2431
atctaaatcc tcaatctcat tcatttgtaa ctcacctttt tcaacctttt ccattttact 60
gtagtatgct aaaatctcgc gcattgttcg tacagttact ttctccgctg taaatgtttg 120
ttttttacct ttt   133

<210>   2432
<211>   133
<212>   DNA
<213>   Artificial Sequence

<400>   2432
tgtgtgtctc tttctcaatt aatactttct ctgtaggtgt caattcgttt tcaggtagtt 60
cgtacaagac tgccccaatt ggtaaaggtg tcgtctcgtt gtttactaac tcatatgttt 120
tcaaactaat tcc   133

<210>   2433
<211>   133
<212>   DNA
<213>   Artificial Sequence

<400>   2433
gttacctttt ttagattgtg tttcaatgtt ctctgtaaca acaacctctt ttattccccc 60
tgtcatgggg tcataactca tggcgttacc ttctaatgtt ttccaaagtt caaacatggt 120
acgcgcggtc tct   133

<210>   2434
<211>   133
<212>   DNA
<213>   Artificial Sequence

<400>   2434
attgagtgct ttatttttggg tagttatact agcagaatac cgcacccagt tgtctgtact 60
tgtgtttgtg attgagactt ttccatcttc gcgcgtacta tcatagtagg taacacgcac 120
aattaattct gtt   133

<210>   2435
<211>   133
<212>   DNA
<213>   Artificial Sequence

<400>   2435
tgtgcagttt cttctgctgt taaaacgtgg ggtccttttc gtccccacat cgttacgttc 60
ttacctttag ggataaccgc ttgaccactt gggtcaataa ccatttcagc accacgtcca 120
tcattgacag tca   133

<210>   2436
<211>   133
<212>   DNA
<213>   Artificial Sequence

<400>   2436
taataaagat ggcgtctctc agtcccaaat taaatgccac agtttcttct agtaaaatat 60
tcatggtgac ctctcctctt tacccctcat gtctctcatt aacaacataa tcacagtcac 120
ttgcaaatag cgg   133

<210>   2437
<211>   133
<212>   DNA
<213>   Artificial Sequence

<400>   2437
tgtttgaccc ctctggtgta ccacctaatg ctcgtattgc tgtagttaac tcataaatgt 60
tacctgtagt tacgattgaa tctacgtcac gcccaacacg tagagtaata tctttctcgt 120
cccccatctc ctc   133

<210>   2438
<211>   133
<212>   DNA
<213>   Artificial Sequence

<400>   2438
taggtcgaga cgtctatgag ttagtaaaac gcggtgacct atcacagtgt tcgtttgggt 60
ttatggttaa aagtgatacg tggtcataca acgcaaacac agacacatat caccgcacaa 120
ttgaccaaat tgg   133

<210>   2439
<211>   133
<212>   DNA
<213>   Artificial Sequence

<400>   2439
ggaatgagtt tgaaaacata tgagttagta aacaacgaga cgacaccttt accaattggg 60
gcagtcttgt acgaactacc tgaaaacgaa ttgacaccta cagagaaagt attaattgag 120
aaagagaaac aca   133

<210>   2440
<211>   133
<212>   DNA
<213>   Artificial Sequence

<400>   2440
ttcatatagt gttattatac catttatgtg taaaacgttg ttatactagc tcatacgcaa 60
catcaaggtt acctaaatca tttttagcaa tcttaacaat aacaaactca tcctcaactt 120
catcctggtc ccc   133

<210>   2441
<211>   133
<212>   DNA
<213>   Artificial Sequence

<400>   2441
ttaacattaa ctaactgctc ttgtgattca tcaaaatgta ataccctgt gaactctata 60
atgtcatctg tttcatagtt gattatctca tggtcatctg acattttaat gagtcctgct 120
ccatctgtgg acg   133

<210>   2442
<211>   133
<212>   DNA
<213>   Artificial Sequence

<400>   2442
tcaatcagat agaagtgctg tttgttatag acccttcgtt tgtaggtacg ttttacgtaa 60
aaaactttaa actagaacaa aatgaccatg ctaccccgtt catccaacac attacagaac 120
gtggtaaact ata   133

<210>   2443
<211>   133
<212>   DNA
<213>   Artificial Sequence

<400>   2443
gttaatgaaa tggcgcagtt gggtaattat ctaatttata gacgacataa cggagatagt 60
gcctgtctta ctatcatgga cttcacacac aacccattgg cgggaacacg tgagataagt 120
tgtgaagatg gtg   133

<210>   2444
<211>   133
<212>   DNA
<213>   Artificial Sequence

<400>   2444
tgtatgtttt acctttttaca aagtttggca ctggttgacc cggttggtat ttagttgctt 60
tggcgcgtac ttttacttta ctacctacag ggaaatcacg tgtgtctgtg atttttggtt 120
tagacggttg tgg   133

<210>   2445
<211>   133
<212>   DNA
<213>   Artificial Sequence

<400>   2445
ccaatgtggt caattgtgcg gtgatatgtg tctgtgtttg cgttgtatga ccacgtatca 60
cttttaacca taaacccaaa cgaacactgt gataggtcac cgcgttttac taactcatag 120
acgtctctac cta   133

<210>   2446
<211>   133
<212>   DNA
<213>   Artificial Sequence

<400>   2446
tactacgtca aaacggatgg cacccgctaa catttcaccg tagacattgt ggtcttgcca 60
acgtaccgtc atgtcagtac gtttgaacaa agtaatagct tgttctaagt caccaatgaa 120
taatagttta tca   133

<210>   2447
<211>   133
<212>   DNA
<213>   Artificial Sequence

<400>   2447
tcctcgacaa tgttcattgt tttacttttt aactgcatgt tttcaaactc aaagtcaatg 60
gtaaacttag cgcctccaaa gtctgaaata atactcctta gacgctccac tgctgttgtc 120
tcattatcat agt   133

<210>   2448
<211>   133
<212>   DNA
<213>   Artificial Sequence

<400>   2448
tctctgtttg ttgcttagtt ggtgtgaaaa tagtgttcat taatttcatc cccctcgttc 60
actagtatat aataaaaccc tcgcttatgc aagggttaat tttgtgagac atccataatg 120
tcaacagact gta   133

<210>   2449
<211>   133
<212>   DNA
<213>   Artificial Sequence

<400>   2449
ttctagctgt atatgcaaac aacggtttag acctaatgga ggcagtacag caatatgaga 60
aagtacgcgc tgagggaatg cgtttacagg agcaagaaat agaaaagaaa gtgactatac 120
gcgtggaggg gga   133

<210>   2450
<211>   133
<212>   DNA
<213>   Artificial Sequence

<400>   2450
tcttgagttg cctgactgta aatagcgtaa gtattacaat aaatgactag catgccagcg 60
tctagttttg aaattggtag ctgtttaagt tgtggaacaa ggtcctcgta aatcaaccac 120
ccttcctgag taa   133

<210>   2451
<211>   133
<212>   DNA
<213>   Artificial Sequence

<400>   2451
cataatagga gtcaaaggac ttgcctctgg ttttggtaat acaatcagtg gtatgtggac 60
aagtgtcaaa aacttttca ctacaggaac aagtaacgca tggaaccttg taaaaggttg 120
ggcgtcaaac att   133

<210>   2452
<211>   133
<212>   DNA
<213>   Artificial Sequence

<400>   2452
tcttatttca tatagtgtta ttataccatt tatgtgtaaa acgttgttat actagctcat 60
acgcaacatc aaggttacct aaatcatttt tagcaatctt aacaataaca aactcatcct 120
caacttcctc ctg   133

<210>   2453
<211>   133
<212>   DNA
<213>   Artificial Sequence

<400>   2453
tgtgtgtctc tttctcaatt aatactttct ctgtaggtgt caattcgttt tcaggtagtt 60
cgtacaagac tgccccaatt ggtaaaggtg tcgtctcgtt gtttactaac tcatatgttt 120
tcaaactcat tcc   133

<210>   2454
<211>   133
<212>   DNA
<213>   Artificial Sequence

<400>   2454
ccaatgtggt caattgtgcg gtgatatgtg tctgtgtttg cgttgtatga ccacgtatca 60
cttttaacca taaacccaaa cgaacactgt gataggtcac cgcgttttac taactcatag 120
acgtctcgac cta   133

<210>   2455
<211>   132
<212>   DNA
<213>   Artificial Sequence

<400>   2455
tccctcatta acatagtcac gttcaaaacg gtcatagtag aaccattcat caataccatc 60
aacctgcacg aaaaggctgc ctactccaac aatggtatat cgtttacctt tttccaatat 120
atcttctaca ca   132

<210>   2456
<211>   132
<212>   DNA
<213>   Artificial Sequence

<400>   2456
gttgatggta ttgatgaatg gttctactat gaccgttttg aacgtgacta tgttaatgag 60
ggaattgaat atagtttgaa agataaacat ggtgctacct tgagtgtcgc taggttatat 120
aaagataaaa ca   132

<210>   2457
<211>   132
<212>   DNA
<213>   Artificial Sequence

<400>   2457
gggaattgaa tatagtttga aagataaaca tggtgctacc ttgagtgtcg ctaggttata 60
taaagttaaa acagtgatta aaaatactga ttttactaat tatgtagtaa gcgtaaactt 120
aacagacgca ca   132

<210>   2458
<211>   132
<212>   DNA
<213>   Artificial Sequence

<400>   2458
tgtgacggaa tatttaactc ctgctggcaa gtagttggtt aataagtcat tgctataata 60
gactattctg ttagttgatg agtcgttaaa caacactcgc atgttcccgt ttgaatattc 120
tatagtcgca cc   132

<210>   2459
<211>   132
<212>   DNA
<213>   Artificial Sequence

<400>   2459
ttaacgactc atcaactaac agaatagtct attatagcaa tgacttatta accaactact 60
tgccagcagg agttaaatat tccgtcacaa tagacgcatt cagcaacaat aatgggttaa 120
ttagggtagg ta   132

<210>   2460
<211>   132
<212>   DNA
<213>   Artificial Sequence

<400>   2460
tccttagtaa gtccctcagg aatatcgtct aatgaaagtt gttcataatt atataactct 60
tgttcttctt gctcgcgctc aatacgctcc tcttttgtta aatgactatt atcttgtgcg 120
ctgattagtt tt   132

<210>   2461
<211>   132
<212>   DNA
<213>   Artificial Sequence

<400>   2461
tcattagcgt ctgtcaaaat aaccaactca taacgtccgt tcttttctga cgtagtaccg 60
aagtctatcc gttcctcaaa tttaaaggct cctgttcgta aacctgttga tggtgctttg 120
acaggcggtg ta   132

<210>   2462
<211>   132
<212>   DNA
<213>   Artificial Sequence

<400>   2462
tgtgcgtctg ttaagtgtac gcttactaca tcattcgtaa aatcagtaat tttaatcact 60
gttttatctt tatataacct agcgacactc aaggtagcac catgtttatc tttcaaacta 120
tattcaagtc cc   132

<210>   2463
<211>   132
<212>   DNA
<213>   Artificial Sequence

<400>   2463
accaattaca gcaccgtcat agttagcctc taggagtaac aaatcaattt tcttacctgt 60
tttatcaagg tactcactga atgccacagt agtcattagg tctgtagcgt ataaaaaact 120
ttgaccgatt ga   132

<210>   2464
<211>   132
<212>   DNA
<213>   Artificial Sequence

<400>   2464
tcgtgtgcta acttggtaat gtcatcaagt agtttatcat attgcgcaaa ctcaatagat 60
ggtacatcac ctacgtaaat catcaactcg ttatccaata attacaccgt cctcatttac 120
tgctacaacc tc   132

<210>   2465
<211>   132
<212>   DNA
<213>   Artificial Sequence

<400>   2465
attctactag tagcttatag tctttcataa actcttcttt ggtattgtgc gattcaatca 60
attcaattgc cgcatatccc cacgagttcc atccgccacc tacgtcataa aagcccgcgt 120
ttgtgcgtgc tg   132

<210>   2466
<211>   132
<212>   DNA
<213>   Artificial Sequence

<400>   2466
tcaaacggtc aaagtttttt atacgctaca gacctaatga ctactgtggc attcagtgag 60
taccttgata aaacaggtaa gaaaattgat ttgttactcc tagaggctaa ctatgacggt 120
gctgtaagtg gt   132

<210>   2467
<211>   132
<212>   DNA
<213>   Artificial Sequence

<400>   2467
tgtgtagaag atatattgga aaaaggtaaa cgatatacca ttgttggagt aggcagcctt 60
ttcgtgcagg ttgatggtat tgatgaatgg ttctactatg accgttttga acgtgactat 120
gttaatgtgg ga   132

<210>   2468
<211>   132
<212>   DNA
<213>   Artificial Sequence

<400>   2468
taggtaaata tataattcgt tccatggtga acctcctcca attataactt ctttataaat 60
tataacacga aaaagacaac cctagttggg ttgcctcgtt cgtttattac agtccaaaac 120
caaactcacc gc   132

<210>   2469
<211>   132
<212>   DNA
<213>   Artificial Sequence

<400>   2469
tgtacgggaa ggtcctgacc atgcgtttgg tgcgaatgtt gtagcccact taggtttaaa 60
cgcctcagaa gggctgtagt cccatgaacc catgtagagg tttggtctag cagggtcgtt 120
agacgtattt gg   132

<210>   2470
<211>   132
<212>   DNA
<213>   Artificial Sequence

<400>   2470
gttctgacca tattgacccc tatccatact tgcgtaaatg gggaattagt aaagagcagt 60
ttgctaaaga cattaaaaat gggtttggtg gaaatagttc caatactgac aacaaaccta 120
aaccacaacc ac   132

<210>   2471
<211>   132
<212>   DNA
<213>   Artificial Sequence

<400>   2471
tagggtgttc atccttaggt tgctcgtcag ggttaacctc gtctgtttgt tcgtcttgtg 60
cctcacgaat ttccttgatt aatttatccg cctcatctaa tttaccttgt gcgataagtt 120
cacgggcttc ta   132

<210>   2472
<211>   132
<212>   DNA
<213>   Artificial Sequence

<400>   2472
tcgtttgcta acttggtaat gtcatcaagt agtttatcat attgcgcaaa ctcaatagat 60
ggtacatcac ctacgtaaat catcaactcg ttatccaata attacaccgt cctcatttac 120
tgctacaccc tc   132

<210>   2473
<211>   132
<212>   DNA
<213>   Artificial Sequence

<400>   2473
gactattctg ttagttgatg agtcgttaaa caacactcgc atgttcccgt ttgaatattc 60
tatagtcgca ccatttcctg tccaaccatt aatagtgggg tctttcgaga aatcataatt 120
caatactcaa tt   132

<210>   2474
<211>   132
<212>   DNA
<213>   Artificial Sequence

<400>   2474
tcaatcggtc aaagtttttt atacgctaca gacctaatga ctactgtggc attcagtgag 60
taccttgata aaacaggtaa gaaaattgat ttgttactcc tagaggctaa ctatgacggt 120
gctgtaagtg gt   132

<210>   2475
<211>   132
<212>   DNA
<213>   Artificial Sequence

<400>   2475
gactcttctg ttagttgatg agtcgttaaa caacactcgc atgttcccgt ttgaatattc 60
tatagtcgca ccatttcctg tccaaccatt aatagtgggg tctttcgaga aatcataatt 120
caatactcaa tt   132

<210>   2476
<211>   132
<212>   DNA
<213>   Artificial Sequence

<400>   2476
tcgtgtgcta acttggtaat gtcatcaagt agtttatcat attgcgcaaa ctcaatagat 60
ggtacatcac ctacgtaaat catcaactcg ttatccaata attacaccgt cctcatttac 120
tgctacaccc tc   132

<210>   2477
<211>   131
<212>   DNA
<213>   Artificial Sequence

<400>   2477
ctcctgctgg caagtagttg gttaataagt cattgctata atagactatt ctgttagttg 60
atgagtcgtt aaacaacact cgcatgttcc cgtttgaata ttctatagtc gcaccatttc 120
ctgtccaacc a   131

<210>   2478
<211>   131
<212>   DNA
<213>   Artificial Sequence

<400>   2478
tatttaactc ctgctggcaa gtagttggtt aataagtcat tgctataata gactattctg 60
ttagttgatg agtcgttaaa caacactcgc atgttcccgt ttgaatattc tatagtcgca 120
ccatttcctg t   131

<210>   2479
<211>   131
<212>   DNA
<213>   Artificial Sequence

<400>   2479
taataagtca ttgctataat agactattct gttagttgat gagtcgttaa acaacactcg 60
catgttcccg tttgaatatt ctatagtcgc accatttcct gtccaaccat taatagtggg 120
gtctttcgag a   131

<210>   2480
<211>   131
<212>   DNA
<213>   Artificial Sequence

<400>   2480
agtcattgct ataatagact attctgttag ttgatgagtc gttaaacaac actcgcatgt 60
tcccgtttga atattctata gtcgcaccat ttcctgtcca accattaata gtggggtctt 120
tcgagaaatc a   131

<210>   2481
<211>   131
<212>   DNA
<213>   Artificial Sequence

<400>   2481
ctattgtgac ggaatattta actcctgctg gcaagtagtt ggttaataag tcattgctat 60
aatagactat tctgttagtt gatgagtcgt taaacaacac tcgcatgttc ccgtttgaat 120
attctatagt c   131

<210>   2482
<211>   131
<212>   DNA
<213>   Artificial Sequence

<400>   2482
gtgttgttta acgactcatc aactaacaga atagtctatt atagcaatga cttattaacc 60
aactacttgc cagcaggagt taaatattcc gtcacaatag acgcattcag caacaataat 120
gggttaatta g   131

<210>   2483
<211>   131
<212>   DNA
<213>   Artificial Sequence

<400>   2483
ttcgtcccgt cctgacggtc agtgtgattg ggaggatatg ttaaattggg ttttggcgtt 60
tattgagaca aacaatttag acgtacaagg tatttgttat gaccctgcac agtctcaatt 120
aattaccaca a   131

<210>   2484
<211>   131
<212>   DNA
<213>   Artificial Sequence

<400>   2484
catggacttc acacacaacc cattggcggg accacgtgag ataagttgtg aagatggtgc 60
acttgactta cttaataatg ttgtacctgc tattaaaacc acgtcacctc aatcgtttca 120
atactactgg a   131

<210>   2485
<211>   131
<212>   DNA
<213>   Artificial Sequence

<400>   2485
gtcaggacgg gacgaaattt cacaataccc ctgtttggaa tattgtctat agggtgttct 60
atcgttagcc tctttctgaa caataccacc acccgttgtt gctacccacg cgtgagagtc 120
aacaataaac a   131

<210>   2486
<211>   131
<212>   DNA
<213>   Artificial Sequence

<400>   2486
tttacaattc ctgactctag aatgtcaaac cccacagcgt gtgcgtgcag tacattgtaa 60
gcaaacatta gacgagcgtg tatcataatg tctaattctt taggctcgtc cataatgcgg 120
gcacgcactt c   131

<210>   2487
<211>   131
<212>   DNA
<213>   Artificial Sequence

<400>   2487
tatctccgcg gtgtgtttct accttccatt ctacattttt gaatgttggt tctgccaatt 60
tagggttttc tactaactca gctactgtgt tcattaccgc gttagttgtt tccaaaatag 120
ggtaagaacc t   131

<210>   2488
<211>   131
<212>   DNA
<213>   Artificial Sequence

<400>   2488
gaacttagct agtaactcag tcattactgc tttattgatt gtgttcaacc caatacgtgt 60
taagtggcga gcaatcaacg caactaagtc agggtcagag tcttgaattg cttcgttaga 120
cattggacta t   131

<210>   2489
<211>   131
<212>   DNA
<213>   Artificial Sequence

<400>   2489
ctctgtgttt ctctttctca attaatactt tctctgtagg tgtcaattcg ttttcaggta 60
gttcgtacaa gactgcccca attggtaaag gtgtcgtctc gttgtttact aactcatatg 120
ttttcaatct a   131

<210>   2490
<211>   131
<212>   DNA
<213>   Artificial Sequence

<400>   2490
ggaattgtag acgcgtctag tcctgtgcca attgaatacc acgtatatag tttaccacgt 60
tctgtaatgt gttggatgaa cggggtagca tggtcatttt gttctagttt aaagtttttt 120
acgtaaatcg t   131

<210>   2491
<211>   131
<212>   DNA
<213>   Artificial Sequence

<400>   2491
tcggtcaccc cgtaggctta accctcaacc ttatgaacct agtataaaca attaaactct 60
aatagtcaat taaaaaacca ttagagttta atgagaatat tctatttatc atcaagccac 120
atacacaatg c   131

<210>   2492
<211>   131
<212>   DNA
<213>   Artificial Sequence

<400>   2492
agagggctac tcaagtataa agactcagta gccacaaggg aggtagtgga taaggtaaca 60
tggacaatga aatctaagga agtcctacac attcgtgcag gttccaagac tagttacaag 120
tcatacggtc t   131

<210>   2493
<211>   131
<212>   DNA
<213>   Artificial Sequence

<400>   2493
ggacttgtag acgcgtctag tcctgtgcca attgaatacc acgtatatag tttaccacgt 60
tctgtaatgt gttggatgaa cggggtagca tggtcatttt gttctagttt aaagtttttt 120
acgtaaaacg t   131

<210>   2494
<211>   131
<212>   DNA
<213>   Artificial Sequence

<400>   2494
gccatgtact gagagcgtca aaattaccta ccctaattaa cccattattg ttgctgaatg 60
cgtctattgt gacggaatat ttaactcctg ctggcaagta gttggttaat aagtcattgc 120
tataatatac t   131

<210>   2495
<211>   131
<212>   DNA
<213>   Artificial Sequence

<400>   2495
tcgttcaccc cgtaggctta accctcaacc ttatgaacct agtataaaca attaaactct 60
aatagtcaat taaaaaacca ttagagttta atgagaatat tctatttatc atcaagccac 120
atacacactg c   131

<210>   2496
<211>   131
<212>   DNA
<213>   Artificial Sequence

<400>   2496
tgggtcatca gcgcgtttag gtttgcggtt gtccattgtc ctgtcatctg taaggctcgt 60
ttagcagttg cacgccaacg gtctacccct gaccctgttg ctgtggtgtc aattgctcca 120
ccttgtgact g   131

<210>   2497
<211>   131
<212>   DNA
<213>   Artificial Sequence

<400>   2497
tgtggtatta ttagaatata attagaaaag gaagtgttta taatgggtac aattattcta 60
ggtgttattt tggcaatttc attgatgtta aatgtgcgtt atagtgtaga gcgcaaatac 120
ttagtcgaca t   131

<210>   2498
<211>   131
<212>   DNA
<213>   Artificial Sequence

<400>   2498
gaactttcac aataccccctg tttggaatat tgtctatagg gtgttctatc gttagcctct 60
ttctgaacaa taccaccacc cgttgttgct acccacgcgt gagagtcaac aataaacaat 120
tctttttcag g   131

<210>   2499
<211>   131
<212>   DNA
<213>   Artificial Sequence

<400>   2499
gacctcaaag agctagaatc acgtaacaca tggcttacta gaacaaccgt aggagcaatt 60
atcactggtg tagtgggtgc aattttggca ttcatcactg gttaaatata tgatataata 120
gattagaaag g   131

<210>   2500
<211>   131
<212>   DNA
<213>   Artificial Sequence

<400>   2500
gacatcaaag agctagaatc acgtaacaca tggcttacta gaacaaccgt aggagcaatt 60
atcactggtg tagtgggtgc aattttggca ttcatcactg gttaaatata tgatataata 120
gattagacag g   131

<210>   2501
<211>   131
<212>   DNA
<213>   Artificial Sequence

<400>   2501
tctcgatgtt ttaacaacgg aagctttgtt tgctacaggt gcattgtagg taaatgggtt 60
ttttgtaact ggtttaattc cgttgtttga ttggatatgc tcaaagttcc aagtgaactt 120
cttacccgtt t   131

<210>   2502
<211>   131
<212>   DNA
<213>   Artificial Sequence

<400>   2502
cataatggag gcacaaagta agtcaattac tgagcttacg actgtcaaag gtggtacaaa 60
gtatgagaaa cgttaatacg aaacatgaac ggtttgaacc catggacgag ccttttgata 120
tgtacagcgt t   131

<210>   2503
<211>   131
<212>   DNA
<213>   Artificial Sequence

<400>   2503
ttcttctaaa acattgtcta actccgcgtc atgtaattct aatacctctg ctaattttgt 60
catattattt ttcctcctca tagtctaata cctcaatttg gttatcatat acccaccata 120
ggtgaccatc a   131

<210>   2504
<211>   131
<212>   DNA
<213>   Artificial Sequence

<400>   2504
ggacttgtag acgcgtctag tcctgtgcca attgaatacc acgtatatag tttaccacgt 60
tctgtaatgt gttggatgaa cggggtagca tggtcatttt gttctagttt aaagtttttt 120
acgtaaatcg t   131

<210>   2505
<211>   131
<212>   DNA
<213>   Artificial Sequence

<400>   2505
ccgactgtta gacccgcaaa agtgcccact aatgaggtga ccgcaccgat taccgcgcca 60
ccttttagag acattacacc atctaatagt ccacctaccc catctgtagc ctcgtctgct 120
ccacctttga t   131

<210>   2506
<211>   131
<212>   DNA
<213>   Artificial Sequence

<400>   2506
gacctcaaag agctagaatc acgtaacaca tggcttacta gaacaaccgt aggagcaatt 60
atcactggtg tagtgggtgc aattttggca ttcatcactg gttaaatata tgatataata 120
gattagacag g   131

<210>   2507
<211>   131
<212>   DNA
<213>   Artificial Sequence

<400>   2507
tggttcatca gcgcgtttag gtttgcggtt gtccattgtc ctgtcatctg taaggctcgt 60
ttagcagttg cacgccaacg gtctacccct gaccctgttg ctgtggtgtc aattgctcca 120
ccttgtgtct g   131

<210>   2508
<211>   131
<212>   DNA
<213>   Artificial Sequence

<400>   2508
tgggtcatca gcgcgtttag gtttgcggtt gtccattgtc ctgtcatctg taaggctcgt 60
ttagcagttg cacgccaacg gtctacccct gaccctgttg ctgtggtgtc aattgctcca 120
ccttgtgtct g   131

<210>   2509
<211>   131
<212>   DNA
<213>   Artificial Sequence

<400>   2509
tcggtcaccc cgtaggctta accctcaacc ttatgaacct agtataaaca attaaactct 60
aatagtcaat taaaaaacca ttagagttta atgagaatat tctatttatc atcaagccac 120
atacacactg c   131

<210>   2510
<211>   130
<212>   DNA
<213>   Artificial Sequence

<400>   2510
gaaaatagac atgaatttag atactacaaa attaggtgat ttagtggttg aaaaggcgcg 60
tgagttaaat gagaaaacgg gtattgagtc tgctgagtta cttgtcttca gtgctttagt 120
aactgtgact   130

<210>   2511
<211>   130
<212>   DNA
<213>   Artificial Sequence

<400>   2511
gaatatattg agtcaaaatt tgaactgaaa gaaaaggagg ctgtaaagga aacgggaatt 60
gtacacaaag ccaaaatgta cgtgcgtttg aaaattttcc caatggatgg ctctaacgcg 120
cgcgtaaacg   130

<210>   2512
<211>   130
<212>   DNA
<213>   Artificial Sequence

<400>   2512
cgttttgaac gtgactatgt taatgaggga attgaatata gtttgaaaga taaacatggt 60
gctaccttga gtgtcgctag gttatataaa gataaaacag tgattaaaat tactgatttt 120
acgaatgatg   130

<210>   2513
<211>   130
<212>   DNA
<213>   Artificial Sequence

<400>   2513
taacccttgc ataagcgagg gttttattat atactagtga acgaggggga tgaaattaat 60
gaacactatt ttcacaccaa ctaagcaaca aaaagagaac gcgcgtacca tgtttgaact 120
ttggaaaaca   130

<210>   2514
<211>   130
<212>   DNA
<213>   Artificial Sequence

<400>   2514
taactcctgc tggcaagtag ttggttaata agtcattgct ataatagact attctgttag 60
ttgatgagtc gttaaacaac actcgcatgt tcccgtttga atattctata gtcgcaccat 120
ttcctgtcca   130

<210>   2515
<211>   130
<212>   DNA
<213>   Artificial Sequence

<400>   2515
gaatatttaa ctcctgctgg caagtagttg gttaataagt cattgctata atagactatt 60
ctgttagttg atgagtcgtt aaacaacact cgcatgttcc cgtttgaata ttctatagtc 120
gcaccatttc   130

<210>   2516
<211>   130
<212>   DNA
<213>   Artificial Sequence

<400>   2516
tgtttaacga ctcatcaact aacagaatag tctattatag caatgactta ttaaccaact 60
acttgccagc aggagttaaa tattccgtca caatagacgc attcagcaac aataatgggt 120
taattagggt   130

<210>   2517
<211>   130
<212>   DNA
<213>   Artificial Sequence

<400>   2517
cccattattg ttgctgaatg cgtctattgt gacggaatat ttaactcctg ctggcaagta 60
gttggttaat aagtcattgc tataatagac tattctgtta gttgatgagt cgttaaacaa 120
cactcgcatg   130

<210>   2518
<211>   130
<212>   DNA
<213>   Artificial Sequence

<400>   2518
ttaacccatt attgttgctg aatgcgtcta ttgtgacgga atatttaact cctgctggca 60
agtagttggt taataagtca ttgctataat agactattct gttagttgat gagtcgttaa 120
acaacactcg   130

<210>   2519
<211>   130
<212>   DNA
<213>   Artificial Sequence

<400>   2519
attgttgctg aatgcgtcta ttgtgacgga atatttaact cctgctggca agtagttggt 60
taataagtca ttgctataat agactattct gttagttgat gagtcgttaa acaacactcg 120
catgttcccg   130

<210>   2520
<211>   130
<212>   DNA
<213>   Artificial Sequence

<400>   2520
gtagttggtt aataagtcat tgctataata gactattctg ttagttgatg agtcgttaaa 60
caacactcgc atgttcccgt ttgaatattc tatagtcgca ccatttcctg tccaaccatt 120
aatagtgggg   130

<210>   2521
<211>   130
<212>   DNA
<213>   Artificial Sequence

<400>   2521
gactcatcaa ctaacagaat agtctattat agcaatgact tattaaccaa ctacttgcca 60
gcaggagtta aatattccgt cacaatagac gcattcagca acaataatgg gttaattagg 120
gtaggtaatt   130

<210>   2522
<211>   130
<212>   DNA
<213>   Artificial Sequence

<400>   2522
tattccaaac aggggtattg tgaaatttcg tcccgtcctg acggtcagtg tgattgggag 60
gatatgttaa attgggtttt ggcgtttatt gagacaaaca atttagacgt acaaggtatt 120
tgttatgacc   130

<210>   2523
<211>   130
<212>   DNA
<213>   Artificial Sequence

<400>   2523
tccccgcttg cgtaacgttc tgaccagttt atttcctcga actcataaaa gtatgcttca 60
ctgtacgcgt ttataagcgc gtcaagaggg tcaatcttgt tgcggttaac ttgtttatca 120
atcataatta   130

<210>   2524
<211>   130
<212>   DNA
<213>   Artificial Sequence

<400>   2524
tgacatttta atgagtcctg ctccatctgt ggacgcaatt cctatagggt taaattccct 60
atcagtaaaa taaaattcta ttttaaaaac ccccttaca cttgtttctt tattaattat 120
accataataa   130

<210>   2525
<211>   130
<212>   DNA
<213>   Artificial Sequence

<400>   2525
tttttgtgtt ataatgatta gagatagaaa ggagaatgat tcactgaaaa ttgaaaaaca 60
aatgcgctca ggtttaccac aagtaggggt aagaccgtat ggacaaattc acgtacacag 120
tacggggaat   130

<210>   2526
<211>   130
<212>   DNA
<213>   Artificial Sequence

<400>   2526
gagtttggtt ttggactgta ataaacgaac gaggcaaccc aactagggtt gtctttttcg 60
tgttataatt tataaagaag ttataattgg aggaggttca ccatggaacg aattatatat 120
ttacctatga   130

<210>   2527
<211>   130
<212>   DNA
<213>   Artificial Sequence

<400>   2527
ctcttctgtt agttgatgag tcgttaaaca acactcgcat gttcccgttt gaatattcta 60
tagtcgcacc atttcctgtc caaccattaa tagtggggtc tttcgagaaa tcataattca 120
atactaactt   130

<210>   2528
<211>   130
<212>   DNA
<213>   Artificial Sequence

<400>   2528
ctattctgtt agttgatgag tcgttaaaca acactcgcat gttcccgttt gaatattcta 60
tagtcgcacc atttcctgtc caaccattaa tagtggggtc tttcgagaaa tcataattca 120
atactaactt   130

<210>   2529
<211>   129
<212>   DNA
<213>   Artificial Sequence

<400>   2529
aacgatatac cattgttgga gtaggcagcc ttttcgtgca ggttgatggt attgatgaat 60
ggttctacta tgaccgtttt gaacgtgact atgttaatga gggaattgaa tatagtttga 120
aagataaac   129

<210>   2530
<211>   129
<212>   DNA
<213>   Artificial Sequence

<400>   2530
aaagagaacg cgcgtaccat gtttgaactt tggaaaacat tagaaggtaa cgccatgagt 60
tatgacccca tgacaggggg aataaaagag gttgttgtta cagagaacat tgaaacacaa 120
tctaaaaaa   129

<210>   2531
<211>   129
<212>   DNA
<213>   Artificial Sequence

<400>   2531
aatagactat tctgttagtt gatgagtcgt taaacaacac tcgcatgttc ccgtttgaat 60
attctatagt cgcaccattt cctgtccaac cattaatagt ggggtctttc gagaaatcat 120
aattcaata   129

<210>   2532
<211>   129
<212>   DNA
<213>   Artificial Sequence

<400>   2532
tagactattc tgttagttga tgagtcgtta aacaacactc gcatgttccc gtttgaatat 60
tctatagtcg caccatttcc tgtccaacca ttaatagtgg ggtctttcga gaaatcataa 120
ttcaatact   129

<210>   2533
<211>   129
<212>   DNA
<213>   Artificial Sequence

<400>   2533
tataatagac tattctgtta gttgatgagt cgttaaacaa cactcgcatg ttcccgtttg 60
aatattctat agtcgcacca tttcctgtcc aaccattaat agtggggtct ttcgagaaat 120
cataattca   129

<210>   2534
<211>   129
<212>   DNA
<213>   Artificial Sequence

<400>   2534
gctataatag actattctgt tagttgatga gtcgttaaac aacactcgca tgttcccgtt 60
tgaatattct atagtcgcac catttcctgt ccaaccatta atagtggggt ctttcgagaa 120
atcataatt   129

<210>   2535
<211>   129
<212>   DNA
<213>   Artificial Sequence

<400>   2535
attgctataa tagactattc tgttagttga tgagtcgtta aacaacactc gcatgttccc 60
gtttgaatat tctatagtcg caccatttcc tgtccaacca ttaatagtgg ggtctttcga 120
gaaatcata   129

<210>   2536
<211>   129
<212>   DNA
<213>   Artificial Sequence

<400>   2536
gtctattgtg acggaatatt taactcctgc tggcaagtag ttggttaata agtcattgct 60
ataatagact attctgttag ttgatgagtc gttaaacaac actcgcatgt tcccgtttga 120
atattctat   129

<210>   2537
<211>   129
<212>   DNA
<213>   Artificial Sequence

<400>   2537
gcgtctattg tgacggaata tttaactcct gctggcaagt agttggttaa taagtcattg 60
ctataataga ctattctgtt agttgatgag tcgttaaaca acactcgcat gttcccgttt 120
gaatattct   129

<210>   2538
<211>   129
<212>   DNA
<213>   Artificial Sequence

<400>   2538
acgaaatttc acaatacccc tgtttggaat attgtctata gggtgttcta tcgttagcct 60
ctttctgaac aataccacca cccgttgttg ctacccacgc gtgagagtca acaataaaca 120
attcttttt   129

<210>   2539
<211>   129
<212>   DNA
<213>   Artificial Sequence

<400>   2539
gtaaaaggta aaaaacaaac atttacagcg gagaaagtaa ctgtacgaac aatgcgcgag 60
attttagcat actacagtaa aatggaaaag gttgaaaaag gtgagttaca aatgaatgag 120
attgaggat   129

<210>   2540
<211>   129
<212>   DNA
<213>   Artificial Sequence

<400>   2540
gaatttcctt gattaattta tccgcctcat ctaatttacc ttgtgcgata agttcacggg 60
cttctagtaa tcgtttatcc atgtttcaca ctccttatta tgtttcttaa ataattataa 120
cacgcgtgt   129

<210>   2541
<211>   129
<212>   DNA
<213>   Artificial Sequence

<400>   2541
tgtcctccta atgttttaat acatttatta gtttatcaaa accccaacca gttgtcaagc 60
attattttta aatttcttgt aaatgttcgt acggaatgag ctgacgtata ccatcaatcg 120
ttctacatg   129

<210>   2542
<211>   129
<212>   DNA
<213>   Artificial Sequence

<400>   2542
tatgttagta tagacgagtt tattgaaaag gctagagagg acttatagga ggtaactgct 60
tatgaaactt gtaaatatga ctaagaaaac tatacctaca gaagataact tactccattc 120
aatatgggt   129

<210>   2543
<211>   129
<212>   DNA
<213>   Artificial Sequence

<400>   2543
acccacaacc gtctaaacca aaaatcacag acacacgtga tttccctgta ggtagtaaag 60
taaaagtacg cgccaaagca actaaatacc aaacgggtca accagtgcca aactttgtaa 120
aaggtaaaa   129

<210>   2544
<211>   129
<212>   DNA
<213>   Artificial Sequence

<400>   2544
gtgttttgta ggtaatatcc actgacccat cctgaggcag gtattttctt acctgagttc 60
ttagttacat aataccattg gttgttttta ataatctttt gacccgtttg acgtttggtt 120
gtttcaatc   129

<210>   2545
<211>   129
<212>   DNA
<213>   Artificial Sequence

<400>   2545
gatagagctt tacctgatag atacaattca tctttttcat ctacaatgtt tatcctatcg 60
cctacattta aatcagaagg tacattgact acgtttactt cataattaaa agcaggttga 120
cttttcttt   129

<210>   2546
<211>   129
<212>   DNA
<213>   Artificial Sequence

<400>   2546
ccgcaagtga agccaattta cctttatcaa gggtgtcata cgttacagca cgtgtgaaca 60
aacctcctgt tgttgataag agtctggacc atttaggagc ttcttgcgtg tcaatcataa 120
ccccattct   129

<210>   2547
<211>   129
<212>   DNA
<213>   Artificial Sequence

<400>   2547
tgtactacgt taagcgcgta tagtgctaat tcagtaggtg agtcaccgtc aattaataca 60
gtatcaataa cattagtcac agttactaaa gcactgaaga caagtaactc agcagactca 120
atacccggt   129

<210>   2548
<211>   129
<212>   DNA
<213>   Artificial Sequence

<400>   2548
ttagagaggg ctatgaggct cctacgtggc ttacgtttga tatgttcaaa accatgcacc 60
cacatttagc caatgtgaat gtaactcagt caaaaataac tgagtccctt acctcattct 120
ttgaacgat   129

<210>   2549
<211>   129
<212>   DNA
<213>   Artificial Sequence

<400>   2549
attgaccgct gtagcgcaga cgataccgtc acattaacat taggtgattt tcgtattcaa 60
tattcaggta ttgaccctca gttgctacag atagcgtcag atttttcaaa acagtttgac 120
aacagtagt   129

<210>   2550
<211>   129
<212>   DNA
<213>   Artificial Sequence

<400>   2550
taatgagaca acagcagtgg agcgtctaag gagtattatt tcagactttg gaggcgctaa 60
gtttaccatt gactttgagt ttgaaaacat gcagttaaaa agtaaaacaa tgaacattgt 120
agaggatct   129

<210>   2551
<211>   129
<212>   DNA
<213>   Artificial Sequence

<400>   2551
tttgacgttt ggttgtttca aacgtgacgc ccttaggtaa cagaccgtat gacttgtaac 60
tagtcttgga acctgcacga atgtgtagga cttccttaga tttcattgtc catgttacct 120
tatccacga   129

<210>   2552
<211>   129
<212>   DNA
<213>   Artificial Sequence

<400>   2552
tcatgagaca acagcagtgg agcgtctaag gagtattatt tcagactttg gaggcgctaa 60
gtttaccatt gactttgagt ttgaaaacat gcagttaaaa agtaaaacaa tgaacattgt 120
agaggatat   129

<210>   2553
<211>   129
<212>   DNA
<213>   Artificial Sequence

<400>   2553
tgtggtttag gtttgttgtc agtattggaa ctatttccac caaacccatt tttaatgtct 60
ttagcaaact gctctttact aattccccat ttacgcaagt atggataggg gtcaatatgg 120
tcagaacca   129

<210>   2554
<211>   129
<212>   DNA
<213>   Artificial Sequence

<400>   2554
ccataataat gttgaaagca agtttttcct catctacttt tttaccgtat ttcaacttat 60
caaaatcaaa ctttagttcc tgtaagacgt tctcaaacgc tttgtgtgtt tcttctttat 120
tcatctgat   129

<210>   2555
<211>   129
<212>   DNA
<213>   Artificial Sequence

<400>   2555
gttagagctt tacctgatag atacaattca tctttttcat ctacaatgtt tatcctatcg 60
cctacattta aatcagaagg tacattgact acgtttactt cataattaaa agcaggttga 120
cttttctat   129

<210>   2556
<211>   129
<212>   DNA
<213>   Artificial Sequence

<400>   2556
agtgaccgct gtagcgcaga cgataccgtc acattaacat taggtgattt tcgtattcaa 60
tattcaggta ttgaccctca gttgctacag atagcgtcag atttttcaaa acagtttgac 120
aacagtatt   129

<210>   2557
<211>   129
<212>   DNA
<213>   Artificial Sequence

<400>   2557
tcttaaccgc gggtgagtta gctgtatcac attaattcta aaatgtcaag ttctaattct 60
aattttcttt tttgttcttt aaacgctttt tgtgaccgtt gtgccactgc tacagttgta 120
tcatcatat   129

<210> 2558
<211> 129
<212> DNA
<213> Artificial Sequence

<400> 2558
tagtggataa ggtaacatgg acaatgaaat ctaaggaagt cctacacatt cgtgcaggtt 60
ccaagactag ttacaagtca tacggtctgt tacctaaggg cgtcacgttt gaaacaacca 120
aacgtcaca   129

<210> 2559
<211> 129
<212> DNA
<213> Artificial Sequence

<400> 2559
acaaagaatt gtttattgtt gactctcacg cgtgggtagc aacaacgggt ggtggtattg 60
ttcagaaaga ggctaacgat agaacaccct atagacaata ttccaaacag gggtattgtg 120
aaatttctt   129

<210> 2560
<211> 129
<212> DNA
<213> Artificial Sequence

<400> 2560
tattctgtta gttgatgagt cgttaaacaa cactcgcatg ttcccgtttg aatattctat 60
agtcgcacca tttcctgtcc aaccattaat agtggggtct ttcgagaaat cataattcaa 120
tactaaagt   129

<210> 2561
<211> 129
<212> DNA
<213> Artificial Sequence

<400> 2561
gtttgaaaca accaaacgtc aaacgggtca aaagattatt aaaaacaacc aatggtatta 60
tgtaactaag aactcaggta agaaaatacc tgcctcagga tgggtcagtg gatattacct 120
acaaaaccc   129

<210> 2562
<211> 129
<212> DNA
<213> Artificial Sequence

<400> 2562
ttgacttgtt caaagactcc ctgtactaat ggtaataagt cctcaaaggc tacgttatcc 60
actaacatat cataagtaag ttttgtgttt gagaaaatgg agagaactaa gtttagcata 120
tcatctata   129

<210> 2563
<211> 129
<212> DNA
<213> Artificial Sequence

<400> 2563
tcttctgtta gttgatgagt cgttaaacaa cactcgcatg ttcccgtttg aatattctat 60
agtcgcacca tttcctgtcc aaccattaat agtggggtct ttcgagaaat cataattcaa 120
tactaaagt   129

<210> 2564
<211> 129
<212> DNA
<213> Artificial Sequence

<400>   2564
tgatagatac aattcatctt tttcatctac aatgtttatc ctatcgccta catttaaatc 60
agaaggtaca ttgactacgt ttacttcata attaaaagca ggttgacttt tctttttcaa 120
ttcactacc   129

<210>   2565
<211>   129
<212>   DNA
<213>   Artificial Sequence

<400>   2565
gatagagctt tacctgatag atacaattca tctttttcat ctacaatgtt tatcctatcg 60
cctacattta aatcagaagg tacattgact acgtttactt cataattaaa agcaggttga 120
cttttctat   129

<210>   2566
<211>   129
<212>   DNA
<213>   Artificial Sequence

<400>   2566
acgaaatttc acaatacccc tgtttggaat attgtctata gggtgttcta tcgttagcct 60
ctttctgaac aataccacca cccgttgttg ctacccacgc gtgagagtca acaataaaca 120
attctttgt   129

<210>   2567
<211>   129
<212>   DNA
<213>   Artificial Sequence

<400>   2567
gggttttgta ggtaatatcc actgacccat cctgaggcag gtattttctt acctgagttc 60
ttagttacat aataccattg gttgttttta ataatctttt gacccgtttg acgtttggtt 120
gtttcaatc   129

<210>   2568
<211>   129
<212>   DNA
<213>   Artificial Sequence

<400>   2568
tgtgacgttt ggttgtttca aacgtgacgc ccttaggtaa cagaccgtat gacttgtaac 60
tagtcttgga acctgcacga atgtgtagga cttccttaga tttcattgtc catgttacct 120
tatccacga   129

<210>   2569
<211>   129
<212>   DNA
<213>   Artificial Sequence

<400>   2569
tgtctcattt aactcacgcg ccttttcaac cactaaatca cctaattttg tagtatctaa 60
attcatgtct atgttcctcc cttatttggt tgaaacaacc atttagaaaa cattagtgac 120
aaccctata   129

<210>   2570
<211>   129
<212>   DNA
<213>   Artificial Sequence

<400>   2570
agtgaccgct gtagcgcaga cgataccgtc acattaacat taggtgattt tcgtattcaa 60
tattcaggta ttgaccctca gttgctacag atagcgtcag atttttcaaa acagtttgac 120
aacagtagt   129

<210> 2571
<211> 129
<212> DNA
<213> Artificial Sequence

<400> 2571
tcatgagaca acagcagtgg agcgtctaag gagtattatt tcagactttg gaggcgctaa 60
gtttaccatt gactttgagt ttgaaaacat gcagttaaaa agtaaaacaa tgaacattgt 120
agaggatct 129

<210> 2572
<211> 128
<212> DNA
<213> Artificial Sequence

<400> 2572
aatagacatg aatttagata ctacaaaatt aggtgattta gtggttgaaa aggcgcgtga 60
gttaaatgag aaaacgggta ttgagtctgc tgagttactt gtcttcagtg ctttagtaac 120
tgtgacta 128

<210> 2573
<211> 128
<212> DNA
<213> Artificial Sequence

<400> 2573
tatagggttg tcactaatgt tttctaaatg gttgtttcaa ccaaataagg gaggaaaata 60
gacatgaatt tagatactac aaaattaggt gatttagtgg ttgaaaaggc gcgtgagtta 120
aatgagaa 128

<210> 2574
<211> 128
<212> DNA
<213> Artificial Sequence

<400> 2574
atagggttgt cactaatgtt ttctaaatgg ttgtttcaac caaataaggg aggaaaatag 60
acatgaattt agatactaca aaattaggtg atttagtggt tgaaaaggcg cgtgagttaa 120
atgagaaa 128

<210> 2575
<211> 128
<212> DNA
<213> Artificial Sequence

<400> 2575
tatgtatttt atttttgacc atgaggaata tattgagtca aaatttgaac tgaaagaaaa 60
ggaggctgta aaggaaacgg gaattgtaca caaagccaaa atgtacgtgc gtttgaaaat 120
tttcccaa 128

<210> 2576
<211> 128
<212> DNA
<213> Artificial Sequence

<400> 2576
taatagacta ttctgttagt tgatgagtcg ttaaacaaca ctcgcatgtt cccgtttgaa 60
tattctatag tcgcaccatt tcctgtccaa ccattaatag tggggtcttt cgagaaatca 120
taattcaa 128

<210> 2577
<211> 128
<212> DNA
<213> Artificial Sequence

<400>   2577
gactattctg ttagttgatg agtcgttaaa caacactcgc atgttcccgt ttgaatattc 60
tatagtcgca ccatttcctg tccaaccatt aatagtgggg tctttcgaga aatcataatt 120
caatacta   128

<210>   2578
<211>   128
<212>   DNA
<213>   Artificial Sequence

<400>   2578
actattctgt tagttgatga gtcgttaaac aacactcgca tgttcccgtt tgaatattct 60
atagtcgcac catttcctgt ccaaccatta atagtggggt ctttcgagaa atcataattc 120
aatactaa   128

<210>   2579
<211>   128
<212>   DNA
<213>   Artificial Sequence

<400>   2579
attctgttag ttgatgagtc gttaaacaac actcgcatgt tcccgtttga atattctata 60
gtcgcaccat ttcctgtcca accattaata gtggggtctt tcgagaaatc ataattcaat 120
actaaatt   128

<210>   2580
<211>   128
<212>   DNA
<213>   Artificial Sequence

<400>   2580
gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg 60
gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg 120
gggggggg   128

<210>   2581
<211>   128
<212>   DNA
<213>   Artificial Sequence

<400>   2581
ctattctgtt agttgatgag tcgttaaaca acactcgcat gttcccgttt gaatattcta 60
tagtcgcacc atttcctgtc caaccattaa tagtggggtc tttcgagaaa tcataattca 120
atactaaa   128

<210>   2582
<211>   128
<212>   DNA
<213>   Artificial Sequence

<400>   2582
tattctgtta gttgatgagt cgttaaacaa cactcgcatg ttcccgtttg aatattctat 60
agtcgcacca tttcctgtcc aaccattaat agtggggtct ttcgagaaat cataattcaa 120
tactaaat   128

<210>   2583
<211>   128
<212>   DNA
<213>   Artificial Sequence

<400>   2583
tgctggcaag tagttggtta ataagtcatt gctataatag actattctgt tagttgatga 60
gtcgttaaac aacactcgca tgttcccgtt tgaatattct atagtcgcac catttcctgt 120
ccaaccat   128

<210>   2584
<211>   128
<212>   DNA
<213>   Artificial Sequence

<400>   2584
tgctataata gactattctg ttagttgatg agtcgttaaa caacactcgc atgttcccgt 60
ttgaatattc tatagtcgca ccatttcctg tccaaccatt aatagtgggg tctttcgaga 120
aatcataa   128

<210>   2585
<211>   128
<212>   DNA
<213>   Artificial Sequence

<400>   2585
tagtctatta tagcaatgac ttattaacca actacttgcc agcaggagtt aaatattccg 60
tcacaataga cgcattcagc aacaataatg ggttaattag ggtaggtaat tttgacgctc 120
tcagtaca   128

<210>   2586
<211>   128
<212>   DNA
<213>   Artificial Sequence

<400>   2586
aagtcattgc tataatagac tattctgtta gttgatgagt cgttaaacaa cactcgcatg 60
ttcccgtttg aatattctat agtcgcacca tttcctgtcc aaccattaat agtggggtct 120
ttcgagaa   128

<210>   2587
<211>   128
<212>   DNA
<213>   Artificial Sequence

<400>   2587
tgcgtctatt gtgacggaat atttaactcc tgctggcaag tagttggtta ataagtcatt 60
gctataatag actattctgt tagttgatga gtcgttaaac aacactcgca tgttcccgtt 120
tgaatatt   128

<210>   2588
<211>   128
<212>   DNA
<213>   Artificial Sequence

<400>   2588
cggaatattt aactcctgct ggcaagtagt tggttaataa gtcattgcta taatagacta 60
ttctgttagt tgatgagtcg ttaaacaaca ctcgcatgtt cccgtttgaa tattctatag 120
tcgcacca   128

<210>   2589
<211>   128
<212>   DNA
<213>   Artificial Sequence

<400>   2589
ggaatattta actcctgctg gcaagtagtt ggttaataag tcattgctat aatagactat 60
tctgttagtt gatgagtcgt taaacaacac tcgcatgttc ccgtttgaat attctatagt 120
cgcaccat   128

<210>   2590
<211>   128
<212>   DNA
<213>   Artificial Sequence

<400>   2590
acccattatt gttgctgaat gcgtctattg tgacggaata tttaactcct gctggcaagt 60
agttggttaa taagtcattg ctataataga ctattctgtt agttgatgag tcgttaaaca 120
acactcgc   128

<210>   2591
<211>   128
<212>   DNA
<213>   Artificial Sequence

<400>   2591
gttgctgaat gcgtctattg tgacggaata tttaactcct gctggcaagt agttggttaa 60
taagtcattg ctataataga ctattctgtt agttgatgag tcgttaaaca acactcgcat 120
gttcccgt   128

<210>   2592
<211>   128
<212>   DNA
<213>   Artificial Sequence

<400>   2592
tattgttgct gaatgcgtct attgtgacgg aatatttaac tcctgctggc aagtagttgg 60
ttaataagtc attgctataa tagactattc tgttagttga tgagtcgtta aacaacactc 120
gcatgttc   128

<210>   2593
<211>   128
<212>   DNA
<213>   Artificial Sequence

<400>   2593
ttgctgaatg cgtctattgt gacggaatat ttaactcctg ctggcaagta gttggttaat 60
aagtcattgc tataatagac tattctgtta gttgatgagt cgttaaacaa cactcgcatg 120
ttcccgtt   128

<210>   2594
<211>   128
<212>   DNA
<213>   Artificial Sequence

<400>   2594
ttattgttgc tgaatgcgtc tattgtgacg gaatatttaa ctcctgctgg caagtagttg 60
gttaataagt cattgctata atagactatt ctgttagttg atgagtcgtt aaacaacact 120
cgcatgtt   128

<210>   2595
<211>   128
<212>   DNA
<213>   Artificial Sequence

<400>   2595
tcatcaacta acagaatagt ctattatagc aatgacttat taaccaacta cttgccagca 60
ggagttaaat attccgtcac aatagacgca ttcagcaaca ataatgggtt aattagggta 120
ggtaattt   128

<210>   2596
<211>   128
<212>   DNA
<213>   Artificial Sequence

<400>   2596
attattgttg ctgaatgcgt ctattgtgac ggaatattta actcctgctg gcaagtagtt 60
ggttaataag tcattgctat aatagactat tctgttagtt gatgagtcgt taaacaacac 120
tcgcatgt   128

<210>   2597
<211>   128
<212>   DNA
<213>   Artificial Sequence

<400>   2597
aagtagttgg ttaataagtc attgctataa tagactattc tgttagttga tgagtcgtta 60
aacaacactc gcatgttccc gtttgaatat tctatagtcg caccatttcc tgtccaacca 120
ttaatagt   128

<210>   2598
<211>   128
<212>   DNA
<213>   Artificial Sequence

<400>   2598
agtagttggt taataagtca ttgctataat agactattct gttagttgat gagtcgttaa 60
acaacactcg catgttcccg tttgaatatt ctatagtcgc accatttcct gtccaaccat 120
taatagtg   128

<210>   2599
<211>   128
<212>   DNA
<213>   Artificial Sequence

<400>   2599
ttttttttct ttttttttct ttttttttct ttttttttct ttttttttct ttttttttct 60
ttttttttct ttttttttct ttttttttct ttttttttct ttttttttct ttttttttct 120
tttttttt   128

<210>   2600
<211>   128
<212>   DNA
<213>   Artificial Sequence

<400>   2600
tattgttgac tctcacgcgt gggtagcaac aacgggtggt ggtattgttc agaaagaggc 60
taacgataga acaccctata gacaatattc caaacagggg tattgtgaaa tttcgtcccg 120
tcctgacg   128

<210>   2601
<211>   128
<212>   DNA
<213>   Artificial Sequence

<400>   2601
cctcagtggc gcgctttggt caggatggta ttagtgtgac tggtactcaa tcagagtatg 60
tacaaacaac tagttctgta gaacctacct caggatggag tacaacacgt ccaacacctc 120
aaattggt   128

<210>   2602
<211>   128
<212>   DNA
<213>   Artificial Sequence

<400>   2602
gtggtttttg caaaaagtac cactattgta taaaattagt aggtatgtaa atactcgtat 60
agcaataaaa cgcattgaaa acagggggggg agaacgaaat gggctacttt aagaatttgt 120
tattagcg   128

<210>   2603
<211>   128
<212>   DNA
<213>   Artificial Sequence

<400> 2603
gtgcgtcaga gtcacggatg gctatagaca ttaatatgtc attagcgtct gtcaaaataa 60
ccaactcata acgtccgttc ttttctgacg tagtaccgaa gtctatccgt tcctcaaatt 120
taaaggct   128

<210> 2604
<211> 128
<212> DNA
<213> Artificial Sequence

<400> 2604
gtccgtctgt tagacccgca aaagtgccca ctaatgaggt gaccgcaccg attaccgcgc 60
cacctttag agacattaca ccatctaata gtccacctac cccatctgta gcctcgtctg 120
ctccacct   128

<210> 2605
<211> 128
<212> DNA
<213> Artificial Sequence

<400> 2605
cgcggtaaga gggtaggact agcagacttt cagaagttca ttattggtat gatattttca 60
tgggttaaaa aggactcagg gtacaggcga tttactaaag tggtaatctc catgagtcgt 120
aagaacgg   128

<210> 2606
<211> 128
<212> DNA
<213> Artificial Sequence

<400> 2606
attgtcaact agtaacgcac tattaaactc acctttttgtg ttaaatgcgc ggttagatgg 60
gagttctgtg tacatttttc caaacaatgg tgagcctatg attttggtca ttagaataga 120
ctttccat   128

<210> 2607
<211> 128
<212> DNA
<213> Artificial Sequence

<400> 2607
taggcaatga agtgattgtt gaatactggt acggtaacaa gttactaaaa tctatcaaga 60
cagacgtaac taagtacaaa tcatcttggt tccgctgtac aatgacacgt gaccaaacgg 120
gtaagaag   128

<210> 2608
<211> 128
<212> DNA
<213> Artificial Sequence

<400> 2608
tttgtcaact agtaacgcac tattaaactc acctttttgtg ttaaatgcgc ggttagatgg 60
gagttctgtg tacatttttc caaacaatgg tgagcctatg attttggtca ttagaataga 120
ctttccag   128

<210> 2609
<211> 128
<212> DNA
<213> Artificial Sequence

<400> 2609
ttctatagtc ccatggttca aacggacgta gttctaatgt acgcatgttt agcgcaccgt 60
tttgaaaata cgcacattca ccaaggtatc tgtacttatc gttcgttcta tcgttgaaat 120
atccctca   128

<210>   2610
<211>   128
<212>   DNA
<213>   Artificial Sequence

<400>   2610
tactatattc ctgtagatgg ctcaaccggt aatggtgtga aatctatcgc tgttacttac 60
gctgtaggta cctcaggtac aacagcacca tccacaggtt ggcaagcaac accaccaaat 120
gtaacagg   128

<210>   2611
<211>   128
<212>   DNA
<213>   Artificial Sequence

<400>   2611
taatttagta ttgaattatg atttctcgaa agaccccact attaatggtt ggacaggaaa 60
tggtgcgact atagaatatt caaacgggaa catgcgagtg ttgtttaacg actcatcaac 120
taacagac   128

<210>   2612
<211>   128
<212>   DNA
<213>   Artificial Sequence

<400>   2612
ttattgttgg aaagacgtag acgccactga gctacgcttc tatggttgtg ttgatgggtt 60
acttgctaaa gcgtttattt gtgccatgtt caaccttgat aaacaagcat ttaaccaaac 120
aaacgctc   128

<210>   2613
<211>   128
<212>   DNA
<213>   Artificial Sequence

<400>   2613
cccaatttga ggtgttggac gtgttgtact ccatcctgag gtaggttcta cagaactagt 60
tgtttgtaca tactctgatt gagtaccagt cacactaata ccatcctgac caaagcgcgc 120
cactgagt   128

<210>   2614
<211>   128
<212>   DNA
<213>   Artificial Sequence

<400>   2614
tctgatggta caacatcagt agcctataca gtgaactata ttcctgtaga tggctcaacc 60
ggtaatggtg tgaaatctat cgctgttact tacgctgtag gtacctcagg tacaacagca 120
ccatccac   128

<210>   2615
<211>   128
<212>   DNA
<213>   Artificial Sequence

<400>   2615
ttccgtctgt tagacccgca aaagtgccca ctaatgaggt gaccgcaccg attaccgcgc 60
cacctttag agacattaca ccatctaata gtccacctac cccatctgta gcctcgtctg 120
ctccacca   128

<210>   2616
<211>   128
<212>   DNA
<213>   Artificial Sequence

<400> 2616
taacttcata atgagaaaag agttgaaaaa acacattaag cagatgaacc cacaagagat 60
tgtaactgtt gtgaatatgg ttgagagcgc tacaagagga atgtgtaaag agacaattag 120
gactagtt   128

<210> 2617
<211> 128
<212> DNA
<213> Artificial Sequence

<400> 2617
gtaaattgag ggttaccttt gacaagttcg tataccttgt ccccaacttt acctaagaac 60
gtacctactt tattatcact atcaccactt ttaaactctt gcgcttgtgg gtaaatgaca 120
gagtatag   128

<210> 2618
<211> 128
<212> DNA
<213> Artificial Sequence

<400> 2618
atggaggagg tttttgacgt ttacttacaa cctgaggagg tattttaatg tttaaggttg 60
aacatgttag attaacagaa tataatgacg cctatatgag tgtactgttg tttaggcaga 120
aagtacgt   128

<210> 2619
<211> 128
<212> DNA
<213> Artificial Sequence

<400> 2619
atagaaacta tttttcactt gatagacacg ggacacatta gcacgtataa attgccaaaa 60
ttaccagaga ataaaacata tgacttattt gaggaggatg aatagaatgg aactaacatt 120
acatgatt   128

<210> 2620
<211> 128
<212> DNA
<213> Artificial Sequence

<400> 2620
tagcgtttgt ttggttaaat gcttgtttat caaggttgaa catggcacaa ataaacgctt 60
tagcaagtaa cccatcaaca caaccataga agcgtagctc agtggcgtct acgtctttcc 120
aacaatac   128

<210> 2621
<211> 128
<212> DNA
<213> Artificial Sequence

<400> 2621
cttctgttag ttgatgagtc gttaaacaac actcgcatgt tcccgtttga atattctata 60
gtcgcaccat ttcctgtcca accattaata gtggggtctt tcgagaaatc ataattcaat 120
actaaatg   128

<210> 2622
<211> 128
<212> DNA
<213> Artificial Sequence

<400> 2622
tggtggagca gacgaggcta cagatggggt aggtggacta ttagatggtg taatgtctct 60
aaaaggtggc gcggtaatcg gtgcggtcac ctcattagtg ggcacttttg cgggtctaac 120
agacggac   128

<210>   2623
<211>   128
<212>   DNA
<213>   Artificial Sequence

<400>   2623
catttagtat tgaattatga tttctcgaaa gaccccacta ttaatggttg gacaggaaat 60
ggtgcgacta tagaatattc aaacgggaac atgcgagtgt tgtttaacga ctcatcaact 120
aacagaat   128

<210>   2624
<211>   128
<212>   DNA
<213>   Artificial Sequence

<400>   2624
ctggaaagtc tattctaatg accaaaatca taggctcacc attgtttgga aaaatgtaca 60
cagaactccc atctaaccgc gcatttaaca caaaaggtga gtttaatagt gcgttactag 120
ttgacaat   128

<210>   2625
<211>   128
<212>   DNA
<213>   Artificial Sequence

<400>   2625
gtattgttgg aaagacgtag acgccactga gctacgcttc tatggttgtg ttgatgggtt 60
acttgctaaa gcgtttattt gtgccatgtt caaccttgat aaacaagcat ttaaccaaac 120
aaacgctc   128

<210>   2626
<211>   128
<212>   DNA
<213>   Artificial Sequence

<400>   2626
cctcagtggc gcgctttggt caggatggta ttagtgtgac tggtactcaa tcagagtatg 60
tacaaacaac tagttctgta gaacctacct caggatggag tacaacacgt ccaacacctc 120
aaattggg   128