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NATIONAL CENTER OF NEUROLOGY AND PSYCHIATRY

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ctctcgtatc cacgatcact aagaaaccca aatactttgt tcatgtttaa attttacaac 240

atttcataga ctattaaaca tggaacatcc ttgtggggac aagaaatcga atttgctctt 300

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<212> DNA
<213> Homo Sapiens

<400> 238
ataatgcaat ttctcagcag caagctacgg tatgctatgg catgctatga tacccaagag 60

gctgatgaat ttgttcacat tgttctattt ctgatagaga gataggtttt cagacactaa 120

ctttatttgg agtgttgctt taccatctca cattttctc ttaaaaaatt tatgagggat 180

aatataatcg tttattttct acagagattt atctactgag ggggtgagtg tttcagtcaa 240

tcagctctgt gctcagatag aaaactgttg gtatttgagg taccactggg ccctcggtca 300

agtcgcttca ttttgataga ctaatcaata gaagcaaaga caaggtagtt ggaattgtgc 360

tgtaattcat tttaaacgtt gttgcatttg tctgtttcag ttactggtgg aagagttgcc 420

cctgcgccag ggaattctca aacaattaaa 450

<210> 239
<211> 420
<212> DNA
<213> Homo Sapiens

<400> 239
caaatctcca gtggataaag gttagacatt aaccatctct tccgtcacat gtgttaaatg 60

ttgcaagtat ttgtatgtat tttgtttcct gggtgcttca ttggtcgggg aggaggctgg 120

tatgtggatt gttgttttgt tttgtttttt taacctgacc gtttgctttg gctatatgtt 180

ttgttgtggc tagaaaaaat gatgatggtg aatggcttta cattaatgac caaatgccaa 240

aatttatacc acaatttttt gcataaatta ttctgaagaa tcagactgaa gaaatggcga 300

agtatttaat tcagtggcca ggcatgtact gacagtattt aagctgaaag gacgtggtct 360

ggttctagtt aaacaagtgt cataaatcaa aattaattat tcacacctgt ggtatggact 420

<210> 240
<211> 450
<212> DNA
<213> Homo Sapiens

<400> 240
tattcatttt tataactgca aaggaagcgc gtatggcata taatacacaa cacaccagta 60

tatttagtaa ctgagtgaat aaatgaaaga tgtatttctt tactttatca gttgcagttg 120

gctatgcctt tgtgtaaggt gtgtgttttg aaattccaaa aaggtattag tttctttaaa 180

gcaaagaatt tttgtagcag gttaatgaat aattttgaat acattggtta aatcccaaca 240

tgtaatatat gtaaataatc aatattatgc tgctaaaata acacaaatca gtaagattct 300

gtaatatttc atgataaata acttttgaaa atatattttt aaacattttg gcttatgcct 360

tgagaattat ttacctttt aaaatgtatt ttcctttcag gtttccagag ctttacctga 420

gaaacaagga gaaattgaag ctcaaataaa 450

<210> 241
<211> 420
<212> DNA
<213> Homo Sapiens

<400> 241
aaggaccatt tgacgttcag gtagggaact ttttgcttta aatatttttg tctttttaa 60

gaaaaatggc aatatcactg aattttctca tttggtatca ttattaaaga caaaatatta 120

cttgttaaag tgtggtaagg aagactttat tcaggataac cacaataggc acagggacca 180

ctgcaatgga gtattacagg aggttggata gagagagatt gggctcaact ctaaatacag 240

cacagtggaa gtaggaattt atagccaagg agcagtgtag gagtcagtag atggaaaatt 300

attaagagga aacatcaggg gtaagtggga ttctggctaa accaacctca caggattctt 360

gctgaagata ggccagggtt atcttatcag acaacccttg gggaatggtg gagaatactg 420

<210> 242
<211> 450
<212> DNA
<213> Homo Sapiens

<400> 242
tactaaacac agaattttgt aaaacaataa gtgtataaag taaaatgaac attaggatta 60

ttgagattat tgtagctaaa actagtgttt attcatataa attatgttaa taaattgtat 120

tgtcattatt gcattttact tttttgaaaa gtagttaatg cctgtgtttc tatatgagta 180

ttatataatt caagaagata ttggatgaat ttttttaag tttaatgtgt ttcacatctc 240

tgtttctttt ctctgcacca aaagctacat ttttgtgccc ttatgtacca ggcagaaatt 300

gatctgcaat acatgtggag tctccaaggg tatatttaaa tttagtaatt ttattgctaa 360

ctgtgaagtt aatctgcact atatgggttc ttttccccag gaaactgaaa tagcagttca 420

agctaaacaa ccggatgtgg aagagatttt 450

<210> 243
<211> 420
<212> DNA
<213> Homo Sapiens

<400> 243
cagccactca gccagtgaag gtaatgaagc aacctctagc aatatccatt acctcataat 60

gggttatgct tcccctgttg tacatttgcc attgacgtgg actatttata atcagtgaaa 120

taacttgtaa ggaaatactg gccatactgt aatagcagag gcaaagctgt ctttttgatc 180

agcatatcct atttatatat tgtgatctta aggctattaa cgagtcattg ctttaaagga 240

ctcatttctg tcctggtgtg ctgccatcaa tacaaaagta gtcccacctt caaggtagat 300

taaattcttt ggggctttat tgctttgctt gccagccttg atgcttttca tattgtttgg 360

tttaattcaa atcaagctac tgcatcatag tgtctgtctc caacagctgt aaagaatcac 420

<210> 244
<211> 450
<212> DNA

<213> Homo Sapiens

<400> 244
atataattga ctgggggtga gccagtacat taggattttc ctaaagttat ctggataatt 60

ttagtatgca accacaatag atactcttca agaattaagc tagttgctga gagggaactg 120

ttttttgttg gtttgttttc actaatgttt gcactctact tcctttaaat aaaattatgc 180

ctggagaaag ggtttttgta tggagcaatt gataaatatt tgtagggtgg ttggctaaaa 240

taattataat tcctttaaaa gaaattctac ccactaaagt taatttagaa gtaaaatata 300

atagaaatcc aataatatat tcaccaaatg gattaagatg ttcatgaatt atcttcaaag 360

tgttaatcga ataagtaatg tgtatgcttt tctgttaaag aggaagttag aagatctgag 420

ctctgagtgg aaggcggtaa accgtttact 450

<210> 245
<211> 420
<212> DNA
<213> Homo Sapiens

<400> 245
actgaccact attggagcct gtaagtatac tggatcccat tctctttggc tctagctatt 60

tgttcaaaag tgcaactatg aagtgatgac tgggtgagag agaaaatttg tttcaattct 120

aaagatagag ataaaccttt gtgttattga ctgtgcaaaa agtcttagag tacattcctt 180

ggaaattgac tctgattcaa agtgttgcat gacaacggga tatggggagt gttctctgga 240

gatacaccca caaggaagag aagagcacaa gggagattgt gggagagtct gaaatgtgat 300

ttgtctgcag cagaggccta agccagtctc gcaggagccc tacatctggg ctggctgtgc 360

agagctgtcc tgaattgcag gcagtgggcc tggcccttgt attcctgatc cagccagcca 420

<210> 246
<211> 450
<212> DNA
<213> Homo Sapiens

<400> 246
tcttgaataa aaaaaaaata agtaaaattt atttccctgg caaggtctga aaacttttgt 60

tttctttacc acttccacaa tgtatatgat tgttactgag aaggcttatt taacttaagt 120

tacttgtcca ggcatgagaa tgagcaaaat cgtttttaa aaaattgtta aatgtatatt 180

aatgaaaagg ttgaatcttt tcattttcta ccatgtattg ctaaacaaag tatccacatt 240

gttagaaaaa gatatataat gtcatgaata agagtttggc tcaaattgtt actcttcaat 300

taaatttgac ttattgttat tgaaattggc tctttagctt gtgtttctaa tttttctttt 360

tcttcttttt tccttttgc aaaaacccaa aatattttag ctcctactca gactgttact 420

ctggtgacac aacctgtggt tactaaggaa 450

<210> 247
<211> 420
<212> DNA
<213> Homo Sapiens

<400> 247
agatgatcat caagcagaag gtatgagaaa aaatgataaa agttggcaga agtttttctt 60

taaaatgaag attttccacc aatcacttta ctctcctaga ccatttccca ccagttctta 120

ggcaactgtt tctctctcag caaacacatt actctcacta ttcagcctaa gtataatcaa 180

ggatataaat taatgcaaat aacaaaagta gccatacatt aaaaaggaaa tatacaaaaa 240

aaaaaaaaaa aaaaagcaga aaccttacaa gaatagttgt ctcagttaaa tttactaaac 300

aacctggtat tttaaaaatc tattttatac caaataagtc actcaactga gctatttaca 360

tttaaactgt ttgttttggc actacgcagc ccaacatatt gcagaatcaa atataatagt 420

<210> 248
<211> 450
<212> DNA
<213> Homo Sapiens

<400> 248
tttaaaataa atatacctta attttgacgt cacacagaat gatattataa gtataaatag 60

ttatctatct tttaaataca ttgtcgtaat tcagaataac atttcttact caaggcattc 120

agacagtggt ttaagtaatc cgaggtactc cggaatgtct ccatttgagc ctttaaatga 180

agaaaatcta tagtcaagat tttcatttga aatatttttg atatctaaga atgaaacata 240

tttcctgtta aattgttttc tataaaccct tatacagtaa catcttttt atttctaaaa 300

gtgttttggc tggtctcaca attgtacttt actttgtatt atgtaaaagg aatacacaac 360

gctgaagaac cctgatacta agggatattt gttcttacag gcaacaatgc aggatttgga 420

acagaggcgt ccccagttgg aagaactcat 450

<210> 249
<211> 420
<212> DNA
<213> Homo Sapiens

<400> 249
aacaatcatt acggatcgaa gtaagttttt taacaagcat gggacacaca aagcaagatg 60

catgacaagt ttcaataaaa acttaagttc atatatcccc ctcacattta taaaaataat 120

gtgaaataat tgtaaatgat aacaattgtg ctgagatttt cagtccataa tgttaccttt 180

taataaatga atgtaattcc attgaataga agaaatacat ttttaaatca attcagggct 240

tatatagttg caaagcatgc attgatgggt gtggtgacca cagtgtggca gaacatttgt 300

ggcagaacat ttgttcttta gttgtcatct gggctggcat ccatggagat gccagtctct 360

ccctcatatc cttggctgtt ggtccaagca ggcagtggct tcttcctggg ccatctttca 420

<210> 250
<211> 450
<212> DNA
<213> Homo Sapiens

<400> 250
caaactcctg tggcaacaga aagccttcag gcaatgaaat gctggcactg ggaaatcagg 60

ctgatgggtg ctgaagtggc aaggatgagg ggatatggat attctgctgt agtgcttttc 120

taacagatga ttcatatttg gttctaggga tcaagaattg agttaaaatt ttatatatat 180

gttgatgttc tatgtcacct tcaggaaaat aatttaacag aaactaatat ttgccatcaa 240

aaaagcaaag aatcctgttg ttcatcatcc tagccataac acaatgaata atttttaaa 300

taagcaacat aaatgtgaga taacgtttgg aagttacatt taaaatgtct cctccagact 360

agcatttact actatatatt tatttttcct tttattctag ttgaaagaat tcagaatcag 420

tgggatgaag tacaagaaca ccttcagaac 450

<210> 251
<211> 420
<212> DNA
<213> Homo Sapiens

<400> 251
agaaaatcac agaaaccaag gttagtatca aagatacctt tttaaaataa aatactggtt 60

acatttgata aaattatacc atagattgta atttaatgat gtttaatgta aagttattaa 120

cagaaaatca cgttaaagct gaaatgaaca gtagactttg tatatttatt ttcttagaga 180

cagagtctca ctgtcaccca ggctaaagtg cagtggcaca atcatagctc actgagcctt 240

gaactctggg gctcaagcag tcctcctgcc tcagcctccc tagtagctgg gactactagc 300

caggcgtgta ccaccacgcc tggctaattt tttaaaaatt tttgttttct gtagagatgg 360

gttcttgaac tcttggcctc aagcaattct ccttccttgg cctcccaaag cactaggatt 420

<210> 252
<211> 450
<212> DNA
<213> Homo Sapiens

<400> 252
caacaagtta atgaagaggg aaagaaatgt atgaggtttt tttcgttcaa atgttgttat 60

atgtcacata ttcaacaatt atatatgagc ttatttttgt agtttttttc tcttgtgata 120

aaaacaatta agcccacttt attgccaatt aattgctact aagttgaaat acttgatact 180

ggttattgct caagatgctg catttgaaaa gtttgtcctg aaaggtgggt taccttatac 240

tgtcatgatt gactaaatca tatggtaggt taaaagcaat ctaatatatg tattctgacc 300

tgaggattca gaagctgttt acgaagtatt ttaagacact ccaactagag atttcataaa 360

aaaaactgac attcattctc tttctcataa aaatctatag cagttggcca aagacctccg 420

ccagtggcag acaaatgtag atgtggcaaa 450

<210> 253
<211> 420
<212> DNA
<213> Homo Sapiens

<400> 253
tggagaagca ttcataaaag gtatgaatta cattatttct aaaactactg ttggctgtaa 60

taatggggtg gtgaaactgg atggaccatg aggatttgtt tttccaatcc agctaaactg 120

gagcttggga gggttcaaga cgataaatac caactaaact cacggacttg gctcagactt 180

ctattttaaa aacgaggaac ataagatctc atttgcccgc tgtcacaaaa gtagtgacat 240

aaccaagaga ttaaacaaaa agcaaaatac tgatttatag ctagaagagc catttatcag 300

tctactttga taactctatc caaaggaata tctttctatc tcatcatggc gcacactgcc 360

ttacctgtta tctgataaat aagtcacttt gggattcatg atagagttat agctgtacat 420

<210> 254
<211> 450
<212> DNA
<213> Homo Sapiens

<400> 254
tctcaaattt ggcagtatat taaaaataag ctttcaaaat tgaccaacaa aaactacaaa 60

attgaaaaaa aggtactttg aactttcaca tgttcaaata tatgtatata tatttcacat 120

atatatatga aacctcctct gtggagaggg gtttatagaa atctgtaatt gtcattcttg 180

catgccttcc cccatacaaa cgcctttaag ttaaataaaa atgaaagtaa atagactgca 240

caatattata gttgttgctt aaaggaagag ctgtagcaac aactcacccc attgttggta 300

tattacaatt tagttcctcc atctttctct ttttatggag ttcactaggt gcaccattct 360

gatatttaat aattgcatct gaacatttgg tcctttgcag ggtgagtgag cgagaggctg 420

ctttggaaga aactcataga ttactgcaac 450

<210> 255
<211> 420
<212> DNA
<213> Homo Sapiens

<400> 255
agctgatgaa acaatggcaa gtaagtcagg catttccgct ttagcactct tgtggatcca 60

attgaacaat tctcagcatt tgtacttgta actgacaagc cagggacaaa acaaaatagt 120

tgcttttata cagcctgatg tatttcggta tttggacaag gaggagagag gcagagggag 180

aaggaaacat catttataat tccacttaac accctcgtct tagaaaaagt acatgctctg 240

accaggaaaa catttgcata taaaaccaga gcttcggtca aggagaaact ttgctcagag 300

aaataactta gggattggtt tattaaattt taaaagttga cattttgag tgtttattta 360

atattttaca gggaaagcat ctgtatgaat tgtctgtttt atttagcgtt gctaactgaa 420

<210> 256
<211> 450
<212> DNA
<213> Homo Sapiens

<400> 256
acttgatcca tatagtaatg aaattattgg cactggggta cactttatca tagaatttta 60

ttgcctatca cttccataaa ataatacatt ttgtccatag actagaagat ataacttgtg 120

aactttataa agttataaat acattacttt ccaactcata atggcaagga ataaatctat 180

tacaactaat aagatgccca ttttaaatct acataataac aggagaaggc aatacgccaa 240

gaaaagggat ttgagatgta tcttcttgtt agtttagcct gattgaaatg tcttttgaac 300

taataattat ttatattttg caattctcca aattcacatt catcgcttgt ttcttttgtt 360

tggtaattct gcacatattc ttcttcctgc tgtcctgtag gacctccaag gtgaaattga 420

agctcacaca gatgtttatc acaacctgga 450

<210> 257
<211> 24
<212> DNA
<213> Artificial

<220>
<223> Synthetic Nucleic Acid

<400> 257
gtgtgctacc acatgcagtt gtac 24

<210> 258
<211> 24
<212> DNA
<213> Artificial

<220>
<223> Synthetic Nucleic Acid

<400> 258
tctgtcgccc tacctctttt ttct 24

<210> 259
<211> 24
<212> DNA
<213> Artificial

<220>
<223> Synthetic Nucleic Acid

<400> 259
attcctatta gatctgtcgc ccta 24

<210> 260
<211> 24
<212> DNA
<213> Artificial

<220>
<223> Synthetic Nucleic Acid

<400> 260
ttttcattcc tattagatct gtcg 24

<210> 261
<211> 24
<212> DNA
<213> Artificial

<220>
<223> Synthetic Nucleic Acid

<400> 261
aaatgttttc attcctatta gatc 24

<210> 262
<211> 24
<212> DNA
<213> Artificial

<220>

<223> Synthetic Nucleic Acid

<400> 262
ctaaaatgtt ttcattccta ttag 24

<210> 263
<211> 24
<212> DNA
<213> Artificial

<220>
<223> Synthetic Nucleic Acid

<400> 263
agtctgctaa aatgttttca ttcc 24

<210> 264
<211> 24
<212> DNA
<213> Artificial

<220>
<223> Synthetic Nucleic Acid

<400> 264
agaataaaat tgttattttt tttt 24

<210> 265
<211> 24
<212> DNA
<213> Artificial

<220>
<223> Synthetic Nucleic Acid

<400> 265
gcctggagaa agaagaataa aatt 24

<210> 266
<211> 24
<212> DNA
<213> Artificial

<220>
<223> Synthetic Nucleic Acid

<400> 266
tgttcttcta gcctggagaa agaa 24

<210> 267
<211> 24
<212> DNA
<213> Artificial

<220>
<223> Synthetic Nucleic Acid

<400> 267
gatattcttt tgttcttcta gcct 24

<210> 268
<211> 24
<212> DNA
<213> Artificial

<220>
<223> Synthetic Nucleic Acid

<400> 268
atccatgcat tcttccatgc acag 24

<210> 269
<211> 30
<212> DNA
<213> Artificial

<220>
<223> Synthetic Nucleic Acid

<400> 269
tttcattcct attagttgcc gctgcccaat 30

<210> 270
<211> 30
<212> DNA
<213> Artificial

<220>
<223> Synthetic Nucleic Acid

<400> 270
aaatgttttc attccttgcc gctgcccaat 30

<210> 271
<211> 30
<212> DNA
<213> Artificial

<220>
<223> Synthetic Nucleic Acid

<400> 271
tgttttcatt ccagtttgcc gctgcccaat 30

<210> 272
<211> 30
<212> DNA
<213> Artificial

<220>
<223> Synthetic Nucleic Acid

<400> 272
agatctgtcg acagtttgcc gctgcccaat 30

<210> 273
<211> 30
<212> DNA
<213> Artificial

<220>
<223> Synthetic Nucleic Acid

<400> 273
cattcctatt agacagtttg ccgctgccca 30

<210> 274
<211> 24
<212> DNA
<213> Artificial

<220>
<223> Synthetic Nucleic Acid

<400> 274
tgcattcaat gttctgacaa cagt 24

<210> 275
<211> 24
<212> DNA
<213> Artificial

<220>
<223> Synthetic Nucleic Acid

<400> 275
gtttgcagac ctcctgccac cgca 24

<210> 276
<211> 25
<212> DNA
<213> Artificial

<220>
<223> Synthetic Nucleic Acid

<400> 276
atttgacaga tctgttgaga aatgg 25

<210> 277
<211> 22
<212> DNA
<213> Artificial

<220>
<223> Synthetic Nucleic Acid

<400> 277
ggctgttttc atccaggttg tg 22

<210> 278
<211> 21
<212> DNA
<213> Artificial

<220>
<223> Synthetic Nucleic Acid

<400> 278
agttgctgct cttttccagg t 21

<210> 279
<211> 25

<212> DNA
<213> Artificial

<220>
<223> Synthetic Nucleic Acid

<400> 279
atttgacaga tctgttgaga aatgg 25

<210> 280
<211> 21
<212> DNA
<213> Artificial

<220>
<223> Synthetic Nucleic Acid

<400> 280
ggctccaata gtggtcagtc c 21

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

<220>
<223> Synthetic Nucleic Acid

<400> 281
cctgagaatt gggaacatgc 20

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

<220>
<223> Synthetic Nucleic Acid

<400> 282
cctccttcca tgactcaagc 20

<210> 283
<211> 450
<212> DNA
<213> Homo Sapiens

<400> 283
attacaaaaa tatggaaata gagagtagca ggaaaaagta tatggcattt ctattaccta 60

gaaccccact gttgtaggtg tctttccttg acatagctgt gaccatatag ctctgttaaa 120

ttgcatattt gtctaaataa ttcatatttt tttctatccc tatcttgcgt ttggagctca 180

ttttatgatt gttattcttt tatctttcaa taaatactca aaatgttaaa aaaatatgat 240

tcaggaattt ttaattgtct tagccacaaa tttataggat ttccaggatc tgtaacaatg 300

gataaataat tttataaaaa tcctaaattt acacagaatt ataaagatat aatcatttta 360

aacagcacct attttgcaaa ttttataaat ctctttctag gactcatctc tgcttctaca 420

atcaacccag aatgtgactg taaatgcgcg 450

<210> 284
<211> 420
<212> DNA
<213> Homo Sapiens

<400> 284
cacaggcagg ttaaaagtcg gtgagtccag cttcatcatg gtgctttgca tgcatgttgt 60

ccatgaatag tgctaaatga atgcattgtt ttttcttcta aagaaatcaa agctacttat 120

gaacaaaata tgaattttct aaatatcatg ctgtgttgac cacagactag caccacagag 180

tggggtgggg ggtgagggga cagcctgaag tgctttgatt agagttattt ttgttccaag 240

aaatagagga caattaaagc tagtacaaga aacaaaatgt ttattgtggg ttaccaaaga 300

ctcttgcagc aaccaaaggg aaggaaccca agtagctggc ctcaaagagc acagagacca 360

gtggctgaga gccacgaata cattcagttc cctccccgtt ctttcttctc ttttctctcc 420

<210> 285
<211> 450
<212> DNA
<213> Homo Sapiens

<400> 285
aagtgatctg cccgccgcag cctcccaaag ttctgggatt acaggcgtga gccactgctc 60

ccagcaaatg tgtgtttgct gctctgtttc cctgcgtgtt tcttgcctgt cttgtgtgta 120

tctttgtgtc tggggccatc ctgccctgtg ctgcccaacc aagccatctc tgcccacagg 180

tgcccgcctg gctgggtggg tgagcggtgt cagctggagg acccctgtca ctcaggcccc 240

tgtgctggcc gtggtgtctg ccagagttca gtggtggctg gcaccgcccg attctcatgc 300

cggtgccccc gtggcttccg aggtgagagg ggaagagtct ggaggggagg tagtcggggg 360

tgtggtcagt cctaaactca ccctgtcctg gtccctccag gccctgactg ctccctgcca 420

gatccctgcc tcagcagccc ttgtgcccac 450

<210> 286
<211> 420
<212> DNA
<213> Homo Sapiens

<400> 286
cgactgtgcc tgtcttcctg gtgagtgagc cctactcagg agagtcagag gggtgggcgt 60

ggggacagca ggccagcccg gcggtgacca tccttgcccc cttccctgct agggtttgag 120

ggtcagaatt gtgaagtgaa cgtggacgac tgtccaggac accgatgtct caatgggggg 180

acatgcgtgg atggcgtcaa cacctataac tgccagtgcc ctcctgagtg gacaggtggg 240

cactgcggcc agagggagcg gggaggcagg cctcgggtgg acatgcgcca ggtggctgga 300

ctgctgcatc tgtgtgccac aggccagttc tgcacggagg acgtggatga gtgtcagctg 360

cagcccaacg cctgccacaa tgggggtacc tgcttcaaca cgctgggtgg ccacagctgc 420

<210> 287
<211> 30
<212> DNA
<213> Artificial

<220>
<223> Synthetic Nucleic Acid

<400> 287
tgctactctc tatttccata tttttgtaat 30

<210> 288
<211> 30
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<210> 327
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<400> 327
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<400> 338
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<400> 339
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<210> 340
<211> 30
<212> DNA
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<220>
<223> Synthetic Nucleic Acid

<400> 340
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<210> 341
<211> 619
<212> DNA
<213> Homo Sapiens

<400> 341
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atacattgac gcagacagaa tttgaaatga attttcttct aatatagcaa ttaattttat 120

ttaaatatct ctagagtttt tttttaatac tgtgactaac ctatgtttgt tctttttcac 180

ctctcgtatc cacgatcact aagaaaccca aatactttgt tcatgtttaa attttacaac 240

atttcataga ctattaaaca tggaacatcc ttgtggggac aagaaatcga atttgctctt 300

gaaaaggttt ccaactaatt gatttgtagg acattataac atcctctagc tgacaagctt 360

acaaaaataa aaactggagc taaccgagag ggtgcttttt tccctgacac ataaaaggtg 420

tctttctgtc ttgtatcctt tggatatggg catgtcagtt tcatagggaa attttcacat 480

ggagcttttg tatttctttc tttgccagta caactgcatg tggtagcaca ctgtttaatc 540

ttttctcaaa taaaaagaca tggggcttca tttttgtttt gccttttttgg tatcttacag 600

gaactccagg atggcattg 619

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<211> 425
<212> DNA
<213> Homo Sapiens

<400> 342
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tttctttacc acttccacaa tgtatatgat tgttactgag aaggcttatt taacttaagt 120

tacttgtcca ggcatgagaa tgagcaaaat cgtttttttaa aaaattgtta aatgtatatt 180

aatgaaaagg ttgaatcttt tcattttcta ccatgtattg ctaaacaaag tatccacatt 240

gttagaaaaa gatatataat gtcatgaata agagtttggc tcaaattgtt actcttcaat 300

taaatttgac ttattgttat tgaaattggc tctttagctt gtgtttctaa tttttctttt 360

tcttcttttt tccttttttgc aaaaacccaa aatattttag ctcctactca gactgttact 420

ctggt 425

<210> 343
<211> 424
<212> DNA
<213> Homo Sapiens

<400> 343
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agacagtggt ttaagtaatc cgaggtactc cggaatgtct ccatttgagc ctttaaatga 180

agaaaatcta tagtcaagat tttcatttga aatatttttg atatctaaga atgaaacata 240

tttcctgtta aattgttttc tataaaccct tatacagtaa catcttttt atttctaaaa 300

gtgttttggc tggtctcaca attgtacttt actttgtatt atgtaaaagg aatacacaac 360

gctgaagaac cctgatacta agggatattt gttcttacag gcaacaatgc aggatttgga 420

acag 424

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<211> 434
<212> DNA
<213> Homo Sapiens

<400> 344
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ctgatgggtg ctgaagtggc aaggatgagg ggatatggat attctgctgt agtgcttttc 120

taacagatga ttcatatttg gttctaggga tcaagaattg agttaaaatt ttatatatat 180

gttgatgttc tatgtcacct tcaggaaaat aatttaacag aaactaatat ttgccatcaa 240

aaaagcaaag aatcctgttg ttcatcatcc tagccataac acaatgaata atttttaaa 300

taagcaacat aaatgtgaga taacgtttgg aagttacatt taaaatgtct cctccagact 360

agcatttact actatatatt tatttttcct tttattctag ttgaaagaat tcagaatcag 420

tgggatgaag taca 434

<210> 345
<211> 425
<212> DNA
<213> Homo Sapiens

<400> 345
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attgaaaaaa aggtactttg aactttcaca tgttcaaata tatgtatata tatttcacat 120

atatatatga aacctcctct gtggagaggg gtttatagaa atctgtaatt gtcattcttg 180

catgccttcc cccatacaaa cgcctttaag ttaaataaaa atgaaagtaa atagactgca 240

caatattata gttgttgctt aaaggaagag ctgtagcaac aactcacccc attgttggta 300

tattacaatt tagttcctcc atctttctct ttttatggag ttcactaggt gcaccattct 360

gatatttaat aattgcatct gaacatttgg tcctttgcag ggtgagtgag cgagaggctg 420

ctttg 425

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<211> 400
<212> DNA
<213> Homo Sapiens

<400> 346
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acttcttaaa gatcaggttc tgaagggtga tggaaattac ttttgactgt tgttgtcatc 120

attatattac tagaaagaaa attatcataa tgataatatt agagcacggt gctatggact 180

ttttgtgtca ggatgagaga gtttgcctgg acggagctgg tttatctgat aaactgcaaa 240

atataattga atctgtgaca gagggaagca tcgtaacagc aaggtgtttt gtggctttgg 300

ggcagtgtgt atttcggctt tatgttggaa cctttccaga aggagaactt gtggcatact 360

tagctaaaat gaagttgcta gaaatatcca tcatgataaa 400

<210> 347
<211> 600
<212> DNA
<213> Homo Sapiens

<400> 347
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atacattgac gcagacagaa tttgaaatga attttcttct aatatagcaa ttaattttat 120

ttaaatatct ctagagtttt tttttaatac tgtgactaac ctatgtttgt tctttttcac 180

ctctcgtatc cacgatcact aagaaaccca aatactttgt tcatgtttaa attttacaac 240

atttcataga ctattaaaca tggaacatcc ttgtggggac aagaaatcga atttgctctt 300

gaaaaggttt ccaactaatt gatttgtagg acattataac atcctctagc tgacaagctt 360

acaaaaataa aaactggagc taaccgagag ggtgcttttt tccctgacac ataaaaggtg 420

tctttctgtc ttgtatcctt tggatatggg catgtcagtt tcatagggaa attttcacat 480

ggagcttttg tatttctttc tttgccagta caactgcatg tggtagcaca ctgtttaatc 540

ttttctcaaa taaaaagaca tggggcttca tttttgtttt gccttttttgg tatcttacag 600

<210> 348
<211> 400
<212> DNA
<213> Homo Sapiens

<400> 348
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gaagaatatt tcatgagaga ttataagcag ggtgaaaggc actaacatta aagaacctat 120

caaccattaa tcaacagcag taaagaaatt ttttatttct ttttttcata tactaaaata 180

tatacttgtg gctagttagt ggttttctgc tattttaaac ttgaagtttg ctttaaaaat 240

cacccatgat tgcttaaagg tgaatatctt caatatattt taacttcaac aagctgaatc 300

tcagttgttt ttcaagaaga ttttagaaag caattataaa tgattgtttt gtaggaaaga 360

cagatctttg cttagtttta aaaatagcta tgaatatgac 400

<210> 349
<211> 400
<212> DNA
<213> Homo Sapiens

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caccatattt gccaggctgg tcgcaaactc ctgacctcaa gtgatccgcc cacatcggcc 120

tccctaagcg ctagggttac aggcatgagc cactgcgcct ggccaggaat ttttgaatca 180

gaatttttct tgttcgattt taatctctta tcatttagag attcttgaaa tattgaaatt 240

actttgttca aagtgaatga attttcttaa attatgtatg gttaacatct tttaaattgc 300

ttatttttaa attgccatgt ttgtgtccca gtttgcatta acaaatagtt tgagaactat 360

gttggaaaaa aaaataacaa ttttattctt ctttctccag 400

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<211> 400
<212> DNA
<213> Homo Sapiens

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ttttaattc aatcattggt tttctgccca ttaggttatt catagttcct tgctaaagtg 120

tttttctcac aactttattt cttcttaacc ctgcagttct gaaccagtgc acataagaac 180

atatgtatat atgtgtgtgt gtgtatttat atatacacac acacatattg catctataca 240

tctacacata tagatgtata gattcaatat gtctaaatgt atataattca cagtttttat 300

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aaaactgaag accagattgt ggaatcataa aatctaaatc 400

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<211> 400
<212> DNA
<213> Homo Sapiens

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gctgatgaat ttgttcacat tgttctattt ctgatagaga gataggtttt cagacactaa 120

ctttatttgg agtgttgctt taccatctca cattttctc ttaaaaaatt tatgagggat 180

aatataatcg tttattttct acagagattt atctactgag ggggtgagtg tttcagtcaa 240

tcagctctgt gctcagatag aaaactgttg gtatttgagg taccactggg ccctcggtca 300

agtcgcttca ttttgataga ctaatcaata gaagcaaaga caaggtagtt ggaattgtgc 360

tgtaattcat tttaaacgtt gttgcatttg tctgtttcag 400

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<211> 400
<212> DNA
<213> Homo Sapiens

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tttgtttcct gggtgcttca ttggtcgggg aggaggctgg tatgtggatt gttgttttgt 120

tttgtttttt taacctgacc gtttgctttg gctatatgtt ttgttgtggc tagaaaaaat 180

gatgatggtg aatggcttta cattaatgac caaatgccaa aatttatacc acaatttttt 240

gcataaatta ttctgaagaa tcagactgaa gaaatggcga agtatttaat tcagtggcca 300

ggcatgtact gacagtattt aagctgaaag gacgtggtct ggttctagtt aaacaagtgt 360

cataaatcaa aattaattat tcacacctgt ggtatggact 400

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<211> 400
<212> DNA
<213> Homo Sapiens

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gctatgcctt tgtgtaaggt gtgtgttttg aaattccaaa aaggtattag tttctttaaa 180

gcaaagaatt tttgtagcag gttaatgaat aattttgaat acattggtta aatcccaaca 240

tgtaatatat gtaaataatc aatattatgc tgctaaaata acacaaatca gtaagattct 300

gtaatatttc atgataaata acttttgaaa atatattttt aaacattttg gcttatgcct 360

tgagaattat ttacctttt aaaatgtatt ttcctttcag 400

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<211> 400
<212> DNA
<213> Homo Sapiens

<400> 354
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aattttctca tttggtatca ttattaaaga caaaatatta cttgttaaag tgtggtaagg 120

aagactttat tcaggataac cacaataggc acagggacca ctgcaatgga gtattacagg 180

aggttggata gagagagatt gggctcaact ctaaatacag cacagtggaa gtaggaattt 240

atagccaagg agcagtgtag gagtcagtag atggaaaatt attaagagga aacatcaggg 300

gtaagtggga ttctggctaa accaacctca caggattctt gctgaagata ggccagggtt 360

atcttatcag acaacccttg gggaatggtg gagaatactg 400

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<211> 400

<212> DNA
<213> Homo Sapiens

<400> 355
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ttgagattat tgtagctaaa actagtgttt attcatataa attatgttaa taaattgtat 120

tgtcattatt gcattttact tttttgaaaa gtagttaatg cctgtgtttc tatatgagta 180

ttatataatt caagaagata ttggatgaat tttttttaag tttaatgtgt ttcacatctc 240

tgtttctttt ctctgcacca aaagctacat ttttgtgccc ttatgtacca ggcagaaatt 300

gatctgcaat acatgtggag tctccaaggg tatatttaaa tttagtaatt ttattgctaa 360

ctgtgaagtt aatctgcact atatgggttc ttttccccag 400

<210> 356
<211> 400
<212> DNA
<213> Homo Sapiens

<400> 356
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tacatttgcc attgacgtgg actatttata atcagtgaaa taacttgtaa ggaaatactg 120

gccatactgt aatagcagag gcaaagctgt ctttttgatc agcatatcct atttatatat 180

tgtgatctta aggctattaa cgagtcattg ctttaaagga ctcatttctg tcctggtgtg 240

ctgccatcaa tacaaaagta gtcccacctt caaggtagat taaattcttt ggggctttat 300

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tgcatcatag tgtctgtctc caacagctgt aaagaatcac 400

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<211> 400
<212> DNA
<213> Homo Sapiens

<400> 357
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ttagtatgca accacaatag atactcttca agaattaagc tagttgctga gagggaactg 120

tttttgttg gtttgttttc actaatgttt gcactctact tcctttaaat aaaattatgc 180

ctggagaaag ggtttttgta tggagcaatt gataaatatt tgtagggtgg ttggctaaaa 240

taattataat tcctttaaaa gaaattctac ccactaaagt taatttagaa gtaaaatata 300

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aacaaaagta gccatacatt aaaaaggaaa tatacaaaaa aaaaaaaaaa aaaaagcaga 240

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cgataaatac caactaaact cacggacttg gctcagactt ctattttaaa aacgaggaac 180

ataagatctc atttgcccgc tgtcacaaaa gtagtgacat aaccaagaga ttaaacaaaa 240

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tccacttaac accctcgtct tagaaaaagt acatgctctg accaggaaaa catttgcata 240

taaaaccaga gcttcggtca aggagaaact ttgctcagag aaataactta gggattggtt 300

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gaaaagggat ttgagatgta tcttcttgtt agtttagcct gattgaaatg tcttttgaac 300

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gctatgcctt tgtgtaaggt gtgtgttttg aaattccaaa aaggtattag tttctttaaa 180

gcaaagaatt tttgtagcag gttaatgaat aattttgaat acattggtta aatcccaaca 240

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gtaatatttc atgataaata acttttgaaa atatattttt aaacattttg gcttatgcct 360

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<212> DNA
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gatctgcaat acatgtggag tctccaaggg tatatttaaa tttagtaatt ttattgctaa 360

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<213> Homo Sapiens

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