SEQUENCE LISTING

<110> Oxford BioDynamics Limited

<120> Detection Processes

<130> P103465WO01

<140> PCT/GB2016/051910
<141> 2016-06-24

<160> 744

<170> PatentIn version 3.5

<210> 1
<211> 14
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)..(6)
<223> 'n' can be any base

<220>
<221> misc_feature
<222> (9)..(9)
<223> 'n' can be any base

<400> 1
ccgcgnggng gcag 14

<210> 2
<211> 60
<212> DNA
<213> Homo sapiens

<400> 2
gcctgcaggg ggcgcccccg cgcctgcctc gaccacacat ccacatggac gcatggcagg 60

<210> 3
<211> 60
<212> DNA
<213> Homo sapiens

<400> 3
ttatcaaccc ggcgtctgga acaatcgctc gatccacacc acaccagcag tggggcacaa 60

<210> 4
<211> 60
<212> DNA
<213> Homo sapiens

<400> 4
aggacagaga cccctaattc caccaccatc gacccttctg ctttctctcc aggggatggc 60

<210> 5
<211> 60
<212> DNA
<213> Homo sapiens

<400> 5

ccgcccctgt cctctcgctt cccgctggtc gatccacacc acaccagcag tggggcacaa 60

<210> 6
<211> 60
<212> DNA
<213> Homo sapiens

<400> 6
agttctttct tgaattcttt cctgatactc gatccacacc acaccagcag tggggcacaa 60

<210> 7
<211> 60
<212> DNA
<213> Homo sapiens

<400> 7
cctgtagctc tgatgtcaga tggcaatgtc gatccacacc acaccagcag tggggcacaa 60

<210> 8
<211> 60
<212> DNA
<213> Homo sapiens

<400> 8
ccacctcata ggggagggct ttactcagtc gatccacacc acaccagcag tggggcacaa 60

<210> 9
<211> 60
<212> DNA
<213> Homo sapiens

<400> 9
tcacctctgt cacccacccg ttccactctc gataaagcac ttagaacatg gcatatactc 60

<210> 10
<211> 60
<212> DNA
<213> Homo sapiens

<400> 10
tcacctctgt cacccacccg ttccactctc gaatagctcc tattgttatg gagtgtagca 60

<210> 11
<211> 60
<212> DNA
<213> Homo sapiens

<400> 11
tcacctctgt cacccacccg ttccactctc gaattaggaa tcagcatttc ttccactgag 60

<210> 12
<211> 60
<212> DNA
<213> Homo sapiens

<400> 12
tcacctctgt cacccacccg ttccactctc gatgctctct tagtgttcca attctcagct 60

<210> 13
<211> 60

<212> DNA
<213> Homo sapiens

<400> 13
tcacctctgt cacccacccg ttccactctc gaaatagtaa aatttgatta tcaaaatttt 60

<210> 14
<211> 60
<212> DNA
<213> Homo sapiens

<400> 14
tccgtgaccc ccacagccgg tcgccacatc gattatccag aagcttcttt ttttttaacc 60

<210> 15
<211> 60
<212> DNA
<213> Homo sapiens

<400> 15
tcacctctgt cacccacccg ttccactctc gaggctgcag tgaatcataa tcatagcact 60

<210> 16
<211> 60
<212> DNA
<213> Homo sapiens

<400> 16
agtgttggtg agatattgtc tctcagtttc gatccacacc acaccagcag tggggcacaa 60

<210> 17
<211> 60
<212> DNA
<213> Homo sapiens

<400> 17
ggtggcatcc ccatcacttc tccatgcctc gaggtcccca acccctgcc gctcatcgtg 60

<210> 18
<211> 60
<212> DNA
<213> Homo sapiens

<400> 18
tcctgcccac agcccccgct ttagcctctc gagaatgcta acagcacagg atacagtact 60

<210> 19
<211> 60
<212> DNA
<213> Homo sapiens

<400> 19
tccgtgaccc ccacagccgg tcgccacatc gagtagctga gattacaggc atgtaccacc 60

<210> 20
<211> 60
<212> DNA
<213> Homo sapiens

<400> 20
ctccacgtca ccccatgtca attccaagtc gatgccagac actcttctgg gggtggggtg 60

<210> 21
<211> 60
<212> DNA
<213> Homo sapiens

<400> 21
cctctgtcca caccattatt ttaaagagtc gacatgcctt gctttaccat tgtttaattt 60

<210> 22
<211> 60
<212> DNA
<213> Homo sapiens

<400> 22
agtggtacaa tcatgaatca ctacagcctc gaccacacat ccacatggac gcatggcagg 60

<210> 23
<211> 60
<212> DNA
<213> Homo sapiens

<400> 23
ctcccaaggt aaactcattg ccgaaacctc gagttgttgc caccccaccc tcctcaaacc 60

<210> 24
<211> 60
<212> DNA
<213> Homo sapiens

<400> 24
tgtttttttat tgtttgatgt ccaatgtatc gagccgccct tgacataaca ccatctttta 60

<210> 25
<211> 60
<212> DNA
<213> Homo sapiens

<400> 25
ttgaacccaa gaggtcacac cactgcactc gacgcccagc aagtaggcac agttcccaat 60

<210> 26
<211> 60
<212> DNA
<213> Homo sapiens

<400> 26
ttggagcccc ctgccctgca cacacagctc gagatttgtc tttctgttcc tggcttattt 60

<210> 27
<211> 60
<212> DNA
<213> Homo sapiens

<400> 27
aggacagaga cccctaattc caccaccatc gaacaactgc aaactccact caacatcttt 60

<210> 28
<211> 60
<212> DNA

<213> Homo sapiens

<400> 28
aaccacacaa ctgctactca caattctttc gaaaccagaa gacccaatat aatatctagt 60

<210> 29
<211> 60
<212> DNA
<213> Homo sapiens

<400> 29
acccaggata aaacgcagtg ttgaccgatc gagggcgtgg acttctacac gtccatcact 60

<210> 30
<211> 60
<212> DNA
<213> Homo sapiens

<400> 30
ggcttatcca tgcttaaatt gattaacgtc gagttgttgc caccccaccc tcctcaaacc 60

<210> 31
<211> 60
<212> DNA
<213> Homo sapiens

<400> 31
agtggtctca ccatggcttt cttccaattc gaggtcccca acccctgcc gctcatcgtg 60

<210> 32
<211> 60
<212> DNA
<213> Homo sapiens

<400> 32
ggaactgcat ccatacttgt tacacatctc gaaccggagt ggacgtgtgt ccacatgtaa 60

<210> 33
<211> 60
<212> DNA
<213> Homo sapiens

<400> 33
atctaaacac agtccatgct aaaaagcttc gagttgttgc caccccaccc tcctcaaacc 60

<210> 34
<211> 60
<212> DNA
<213> Homo sapiens

<400> 34
ggaactgcat ccatacttgt tacacatctc gagttgttgc caccccaccc tcctcaaacc 60

<210> 35
<211> 60
<212> DNA
<213> Homo sapiens

<400> 35
ctcaggaaga agtggatccc tgtttctttc gagttgttgc caccccaccc tcctcaaacc 60

<210> 36
<211> 60
<212> DNA
<213> Homo sapiens

<400> 36
agtgtatttt tcactacact agtggttttc gagttgttgc caccccaccc tcctcaaacc 60

<210> 37
<211> 60
<212> DNA
<213> Homo sapiens

<400> 37
taaatacaga tgaaaccaac taatagactc gagttgttgc caccccaccc tcctcaaacc 60

<210> 38
<211> 60
<212> DNA
<213> Homo sapiens

<400> 38
agctgggccc caaaggttaa aaaggacttc gagttgttgc caccccaccc tcctcaaacc 60

<210> 39
<211> 60
<212> DNA
<213> Homo sapiens

<400> 39
ccacgtgtcg cgggcctgag tgtgcccctc gaggctgtag tgattcatga ttgtaccact 60

<210> 40
<211> 60
<212> DNA
<213> Homo sapiens

<400> 40
acctaggata aaaggcagtg ttgaccgatc gacacccata tgagccccac ccggcttcaa 60

<210> 41
<211> 60
<212> DNA
<213> Homo sapiens

<400> 41
ttccacctgt aatactgtgc ctgtattctc gagcaggcgc tcaacaaata caacttcctt 60

<210> 42
<211> 60
<212> DNA
<213> Homo sapiens

<400> 42
gtgccctcct cgcccctgat gggtctggtc gagaccagcc tcaacatgga gaaacaccat 60

<210> 43
<211> 60
<212> DNA
<213> Homo sapiens

<400> 43
ccacccccgc cccgggggag tcgcccggtc gagggcctgg caagaagaca gaagccgact 60

<210> 44
<211> 60
<212> DNA
<213> Homo sapiens

<400> 44
aagtcctaag aacactgaaa atctcagatc gagttgttgc caccccaccc tcctcaaacc 60

<210> 45
<211> 60
<212> DNA
<213> Homo sapiens

<400> 45
ctccacgtca ccccatgtca attccaagtc gaatactcaa aacagaattt gatattcaaa 60

<210> 46
<211> 60
<212> DNA
<213> Homo sapiens

<400> 46
ccaaatccga acctcctctg tgaagcattc gagttgttgc caccccaccc tcctcaaacc 60

<210> 47
<211> 60
<212> DNA
<213> Homo sapiens

<400> 47
gttaacagta atacgatgtt aaaaggactc gagttgttgc caccccaccc tcctcaaacc 60

<210> 48
<211> 60
<212> DNA
<213> Homo sapiens

<400> 48
ggctggcgga ttacttgaag ccaggagttc gatccacacc acaccagcag tggggcacaa 60

<210> 49
<211> 60
<212> DNA
<213> Homo sapiens

<400> 49
ttgaacccaa gaggtcacac cactgcactc gagccgccct tgacataaca ccatctttta 60

<210> 50
<211> 60
<212> DNA
<213> Homo sapiens

<400> 50
cccctaattt agcaagcaga aagagaactc gatgcttcat ttgactcaca ctcacattta 60

<210> 51
<211> 60
<212> DNA
<213> Homo sapiens

<400> 51
ctccacgtca ccccatgtca attccaagtc gaaaataagt cgctagagcc acatcaagca 60

<210> 52
<211> 60
<212> DNA
<213> Homo sapiens

<400> 52
aggacagaga cccctaattc caccaccatc gacccttctg ctttctctcc aggggatggc 60

<210> 53
<211> 60
<212> DNA
<213> Homo sapiens

<400> 53
ttccacctgt aatactgtgc ctgtattctc gagcaggcgc tcaacaaata caacttcctt 60

<210> 54
<211> 60
<212> DNA
<213> Homo sapiens

<400> 54
accaaaccca aggtccgctg ctcgctgctc gaattcccaa ctgagggagc tttgtggaaa 60

<210> 55
<211> 60
<212> DNA
<213> Homo sapiens

<400> 55
ctcctcaaaa aaaagaggag gcccaggctc gagactccag aaaaatagat tacaggtttg 60

<210> 56
<211> 60
<212> DNA
<213> Homo sapiens

<400> 56
tttagccaaa aagaaaaaaa ggttcatttc gagaaccaga gtcaaactta gaccccagga 60

<210> 57
<211> 60
<212> DNA
<213> Homo sapiens

<400> 57
tcctttcttt tttatttttt aagctgtttc gattcaacat taattcattt tagacttctc 60

<210> 58
<211> 60
<212> DNA
<213> Homo sapiens

<400> 58
accagccctg ggttcttaag gatgggtgtc gacccctggc tctgcctggg gtctgggctt 60

<210> 59
<211> 60
<212> DNA
<213> Homo sapiens

<400> 59
acatctcaga catgactttt gtgtttcctc gagccttttc gggcaggcgt ccagcacggg 60

<210> 60
<211> 60
<212> DNA
<213> Homo sapiens

<400> 60
ctcagactgt atattctctt agcttcagtc gagctgtttc tttatatggt ctctgctatc 60

<210> 61
<211> 60
<212> DNA
<213> Homo sapiens

<400> 61
attataacat ttatatatca tcttttcctc gaggttgcag taagctgatc atgccactac 60

<210> 62
<211> 60
<212> DNA
<213> Homo sapiens

<400> 62
gaccaaacag ctgtggtttg gccatcactc gagagagagc ctgtgtgagg agtgcagtca 60

<210> 63
<211> 60
<212> DNA
<213> Homo sapiens

<400> 63
cttttagctt ttacttagca taattttctc gagagggtgg ggcaggagaa tctcttgaac 60

<210> 64
<211> 60
<212> DNA
<213> Homo sapiens

<400> 64
ggaaggccga ggcggccaga tcacgaggtc gaacctcctg ataacttcag cattaacagc 60

<210> 65
<211> 60
<212> DNA
<213> Homo sapiens

<400> 65
gaccaaacag ctgtggtttg gccatcactc gagagagagc ctgtgtgagg agtgcagtca 60

<210> 66

<211> 60
<212> DNA
<213> Homo sapiens

<400> 66
gagtaggtaa acaaagcagt caggaagctc gagtctttgg ttttccctag ataattaata 60

<210> 67
<211> 60
<212> DNA
<213> Homo sapiens

<400> 67
cttagagcaa aggctaggct cagtaatgtc gagagagagc ctgtgtgagg agtgcagtca 60

<210> 68
<211> 60
<212> DNA
<213> Homo sapiens

<400> 68
agatcaaatc cagtttaagg ctactccttc gattcataca ccattcaggg tatacaatag 60

<210> 69
<211> 60
<212> DNA
<213> Homo sapiens

<400> 69
ttgcgagcct cgcagcctcc ggaagctgtc gattttaagt ctattttgtt agatctaaag 60

<210> 70
<211> 60
<212> DNA
<213> Homo sapiens

<400> 70
actgacagtt tcttgggatt ctccagactc gagagaggct ggtgcgcacc tacccagcgg 60

<210> 71
<211> 60
<212> DNA
<213> Homo sapiens

<400> 71
ccactccccc aggcttacct gcgagccatc gaggtgggcc tgggttctcg tggagggaga 60

<210> 72
<211> 60
<212> DNA
<213> Homo sapiens

<400> 72
ccatcctgga cgcagaatgt agtcccgttc gaacagagct gggagctggg gcctaggcta 60

<210> 73
<211> 60
<212> DNA
<213> Homo sapiens

<400> 73

tgctttttaa aaaatcaaag gtgtaacttc gacagcttcc ggaggctgcg aggctcgcaa 60

<210> 74
<211> 60
<212> DNA
<213> Homo sapiens

<400> 74
tatgaggccc ggttccagca gaagcttctc gaacagagct gggagctggg gcctaggcta 60

<210> 75
<211> 60
<212> DNA
<213> Homo sapiens

<400> 75
ggaaggccga ggcggccaga tcacgaggtc gaaagcgctc ggattcagcc ttctccccgg 60

<210> 76
<211> 60
<212> DNA
<213> Homo sapiens

<400> 76
atggacagta ggcaggatga ataagtgctc gagcctttc gggcaggcgt ccagcacggg 60

<210> 77
<211> 60
<212> DNA
<213> Homo sapiens

<400> 77
taacgtccaa gaaaattatt gtgacccgtc gagaagtcag ggagcgtcta gggcttctgg 60

<210> 78
<211> 60
<212> DNA
<213> Homo sapiens

<400> 78
tatgaggccc ggttccagca gaagcttctc gaacagagct gggagctggg gcctaggcta 60

<210> 79
<211> 60
<212> DNA
<213> Homo sapiens

<400> 79
actgacagtt tcttgggatt ctccagactc gaggcctgga gaagcccagg aggaggcgtg 60

<210> 80
<211> 60
<212> DNA
<213> Homo sapiens

<400> 80
ctcctcaaaa aaaagaggag gcccaggctc gatcccagag ccgtcccagg cctggacaga 60

<210> 81
<211> 60

<212> DNA
<213> Homo sapiens

<400> 81
aggctgaact tcaaatgtga taataacctc gacttaattt tattacagca ctaatataat 60

<210> 82
<211> 60
<212> DNA
<213> Homo sapiens

<400> 82
gacttcaact cactatgaat aaataaaatc gagagggtgg ggcaggagaa tctcttgaac 60

<210> 83
<211> 60
<212> DNA
<213> Homo sapiens

<400> 83
tgctttttaa aaaatcaaag gtgtaacttc gaattaggtg ggtgggggtg ggaaattggg 60

<210> 84
<211> 60
<212> DNA
<213> Homo sapiens

<400> 84
ataagaaact gaatttaaat gctctctttc gattcataca ccattcaggg tatacaatag 60

<210> 85
<211> 60
<212> DNA
<213> Homo sapiens

<400> 85
aaggtcttca gcttcactcc tgaagccatc gagttctgta cttaagcaaa cattatcctt 60

<210> 86
<211> 60
<212> DNA
<213> Homo sapiens

<400> 86
ccatgttgta atattggatt tttatcattc gatatagtgg tttctaggta tcatggtaaa 60

<210> 87
<211> 60
<212> DNA
<213> Homo sapiens

<400> 87
gagtaggtaa acaaagcagt caggaagctc gatccagtgt gcttttcact tcagaccttg 60

<210> 88
<211> 60
<212> DNA
<213> Homo sapiens

<400> 88
aatatctttt catttttgg tgaagtcttc gatggcttca ggagtgaagc tgaagacctt 60

<210> 89
<211> 60
<212> DNA
<213> Homo sapiens

<400> 89
tgttcaatca aaggaaggga taacactatc gaggttgcag taagctgatc atgccactac 60

<210> 90
<211> 60
<212> DNA
<213> Homo sapiens

<400> 90
gatgtttata caagattcat tctttccatc gattcaacat taattcattt tagacttctc 60

<210> 91
<211> 60
<212> DNA
<213> Homo sapiens

<400> 91
ttccttgagg aatcagtgat caggactctc gaacagagct gggagctggg gcctaggcta 60

<210> 92
<211> 60
<212> DNA
<213> Homo sapiens

<400> 92
taacgtccaa gaaaattatt gtgacccgtc gagaagtcag ggagcgtcta gggcttctgg 60

<210> 93
<211> 60
<212> DNA
<213> Homo sapiens

<400> 93
tagtactacc actggaaagc tagaatattc gatgcattaa aatgttctcg gaaagagata 60

<210> 94
<211> 60
<212> DNA
<213> Homo sapiens

<400> 94
caaacctgta atctattttt ctggagtctc gatcccagag ccgtcccagg cctggacaga 60

<210> 95
<211> 60
<212> DNA
<213> Homo sapiens

<400> 95
gttgaggctg caataaaccg tgatcaagtc gacacccatc cttaagaacc cagggctggt 60

<210> 96
<211> 60
<212> DNA

<213> Homo sapiens

<400> 96
ctcagactgt atattctctt agcttcagtc gagttctgta cttaagcaaa cattatcctt 60

<210> 97
<211> 60
<212> DNA
<213> Homo sapiens

<400> 97
ggaaatgagt ctcatgtcta attaaatgtc gaagttaagg tttcttggtt caagtggtgt 60

<210> 98
<211> 60
<212> DNA
<213> Homo sapiens

<400> 98
tgaggtaggc agatcacagg tcaggagatc gacctccatt acggagagtt tcctatgttt 60

<210> 99
<211> 60
<212> DNA
<213> Homo sapiens

<400> 99
aaggtcttca gcttcactcc tgaagccatc gagctgtttc tttatatggt ctctgctatc 60

<210> 100
<211> 60
<212> DNA
<213> Homo sapiens

<400> 100
tgggctcctt cagccccaca tgcctggttc gaacagagct gggagctggg gcctaggcta 60

<210> 101
<211> 60
<212> DNA
<213> Homo sapiens

<400> 101
tttagccaaa aagaaaaaaa ggttcatttc gaggaatgtt tccaagcaat tctctctgct 60

<210> 102
<211> 60
<212> DNA
<213> Homo sapiens

<400> 102
ctcctcaaaa aaaagaggag gcccaggctc gatcccagag ccgtcccagg cctggacaga 60

<210> 103
<211> 60
<212> DNA
<213> Homo sapiens

<400> 103
ccctttaccc cagtccgtgt gagcctcttc gagcctttтc gggcaggcgt ccagcacggg 60

<210> 104
<211> 60
<212> DNA
<213> Homo sapiens

<400> 104
ggattacttc catgagaagc aattaaaatc gaacagagct gggagctggg gcctaggcta 60

<210> 105
<211> 60
<212> DNA
<213> Homo sapiens

<400> 105
ggaaggccga ggcggccaga tcacgaggtc gaacctcctg ataacttcag cattaacagc 60

<210> 106
<211> 60
<212> DNA
<213> Homo sapiens

<400> 106
acatctcaga catgactttt gtgtttcctc gagccttttc gggcaggcgt ccagcacggg 60

<210> 107
<211> 60
<212> DNA
<213> Homo sapiens

<400> 107
cgtggttctt caagttgtag tttaattctc gagagcagtg ttttaagtgg tctgacggga 60

<210> 108
<211> 60
<212> DNA
<213> Homo sapiens

<400> 108
ttggctgttt tcactcagtg aaattccttc gagcccagga ggcaaaggtt gcagtgagct 60

<210> 109
<211> 60
<212> DNA
<213> Homo sapiens

<400> 109
ggaaggccga ggcggccaga tcacgaggtc gaaagcgctc ggattcagcc ttctccccgg 60

<210> 110
<211> 60
<212> DNA
<213> Homo sapiens

<400> 110
atggacagta ggcaggatga ataagtgctc gagccttttc gggcaggcgt ccagcacggg 60

<210> 111
<211> 60
<212> DNA
<213> Homo sapiens

<400> 111
gggtttcacc atgttggcct ggctgggctc gagaccagcc tggccaacat ggtgaaacca 60

<210> 112
<211> 60
<212> DNA
<213> Homo sapiens

<400> 112
actgacagtt tcttgggatt ctccagactc gagagaggct ggtgcgcacc tacccagcgg 60

<210> 113
<211> 60
<212> DNA
<213> Homo sapiens

<400> 113
cttagagcaa aggctaggct cagtaatgtc gagagagagc ctgtgtgagg agtgcagtca 60

<210> 114
<211> 60
<212> DNA
<213> Homo sapiens

<400> 114
acatctcaga catgactttt gtgtttcctc gagtctcacc aggtcggtcc tgagccacac 60

<210> 115
<211> 60
<212> DNA
<213> Homo sapiens

<400> 115
actgacagtt tcttgggatt ctccagactc gaggcctgga gaagcccagg aggaggcgtg 60

<210> 116
<211> 60
<212> DNA
<213> Homo sapiens

<400> 116
attataacat ttatatatca tcttttcctc gaggttgcag taagctgatc atgccactac 60

<210> 117
<211> 60
<212> DNA
<213> Homo sapiens

<400> 117
ggaaaacagg attaaaaaag aaatggattc gagcccagga ggcaaaggtt gcagtgagct 60

<210> 118
<211> 60
<212> DNA
<213> Homo sapiens

<400> 118
cttagagcaa aggctaggct cagtaatgtc gagcaagcct tgaggctgac acaggacctg 60

<210> 119
<211> 60
<212> DNA
<213> Homo sapiens

<400> 119
cgtggttctt caagttgtag tttaattctc gagcttgtta ttttctcttt cttacctagt 60

<210> 120
<211> 60
<212> DNA
<213> Homo sapiens

<400> 120
gaccaaacag ctgtggtttg gccatcactc gagagagagc ctgtgtgagg agtgcagtca 60

<210> 121
<211> 60
<212> DNA
<213> Homo sapiens

<400> 121
cgtggttctt caagttgtag tttaattctc gagcttgaat cagaatggtc aagatacctg 60

<210> 122
<211> 60
<212> DNA
<213> Homo sapiens

<400> 122
tgtgttaggg taccattctt cttaagtatc gaatctgtac atcaactttg gaaaaactaa 60

<210> 123
<211> 60
<212> DNA
<213> Homo sapiens

<400> 123
tcctacagaa gttaaaatag agctagggtc gaattggccc gggtccctgc tgggctggag 60

<210> 124
<211> 60
<212> DNA
<213> Homo sapiens

<400> 124
tttagccaaa aagaaaaaaa ggttcatttc gagaaccaga gtcaaactta gaccccagga 60

<210> 125
<211> 60
<212> DNA
<213> Homo sapiens

<400> 125
ttagtttttc caaagttgat gtacagattc gagagcagtg ttttaagtgg tctgacggga 60

<210> 126
<211> 60
<212> DNA
<213> Homo sapiens

<400> 126
tggtgagcag aaggctccag ctgtacgctc gacggcccag ggaaactcaa acccatactc 60

<210> 127
<211> 60
<212> DNA
<213> Homo sapiens

<400> 127
gagtaggtaa acaaagcagt caggaagctc gagtctttgg ttttccctag ataattaata 60

<210> 128
<211> 60
<212> DNA
<213> Homo sapiens

<400> 128
acaccacttg aaccaagaaa ccttaacttc gaaggagtgg cataaggtcc cacttgggtg 60

<210> 129
<211> 60
<212> DNA
<213> Homo sapiens

<400> 129
ccctttaccc cagtccgtgt gagcctcttc gagcctttc gggcaggcgt ccagcacggg 60

<210> 130
<211> 60
<212> DNA
<213> Homo sapiens

<400> 130
actgacagtt tcttgggatt ctccagactc gaggcaggag gacagcttga gcccgggagt 60

<210> 131
<211> 60
<212> DNA
<213> Homo sapiens

<400> 131
cctaggcaga tcacttgagt tcaggagttc gaaacacttg atcaaaacag aataacaggt 60

<210> 132
<211> 60
<212> DNA
<213> Homo sapiens

<400> 132
atctttttta aaaaatatat ttatttattc gagcccagcc aggccaacat ggtgaaaccc 60

<210> 133
<211> 60
<212> DNA
<213> Homo sapiens

<400> 133
tcctttcttt tttatttttt aagctgtttc gattcaacat taattcattt tagacttctc 60

<210> 134

<211> 60
<212> DNA
<213> Homo sapiens

<400> 134
ccaggatgta ctacactgaa tatctaagtc gaggcccagg ggctccagga ggccacgcac 60

<210> 135
<211> 60
<212> DNA
<213> Homo sapiens

<400> 135
tcccgatcac agctgaagat tggaaaggtc gaggttgcag taagctgatc atgccactac 60

<210> 136
<211> 60
<212> DNA
<213> Homo sapiens

<400> 136
agaagcaatt gagaaaaacc tcaggtgttc gactactatg ttgttgattt ctatcaaagc 60

<210> 137
<211> 60
<212> DNA
<213> Homo sapiens

<400> 137
tgttcaatca aaggaaggga taacactatc gaggttgcag taagctgatc atgccactac 60

<210> 138
<211> 60
<212> DNA
<213> Homo sapiens

<400> 138
atggacagta ggcaggatga ataagtgctc gagtctcacc aggtcggtcc tgagccacac 60

<210> 139
<211> 60
<212> DNA
<213> Homo sapiens

<400> 139
ttgcttctgt gagagaagca atttcttttc gattgtctag tgcagaagca agtcctccga 60

<210> 140
<211> 60
<212> DNA
<213> Homo sapiens

<400> 140
ctccccgtat caagaaattt gccatctatc gaggcccagg ggctccagga ggccacgcac 60

<210> 141
<211> 60
<212> DNA
<213> Homo sapiens

<400> 141

tttagccaaa aagaaaaaaa ggttcatttc gaggaatgtt tccaagcaat tctctctgct 60

<210> 142
<211> 60
<212> DNA
<213> Homo sapiens

<400> 142
actgacagtt tcttgggatt ctccagactc gaaggcattg ttctggaggt ggaggaaggg 60

<210> 143
<211> 60
<212> DNA
<213> Homo sapiens

<400> 143
tcctgaccaa ggatcctgat ccttgatatc gaagttaagg tttcttggtt caagtggtgt 60

<210> 144
<211> 60
<212> DNA
<213> Homo sapiens

<400> 144
tgaggtaggc agatcacagg tcaggagatc gatccagtgt gcttttcact tcagaccttg 60

<210> 145
<211> 60
<212> DNA
<213> Homo sapiens

<400> 145
catggttata tacacatgtt aaaattcatc gattgaaccc tggaggagga ggttgcagtg 60

<210> 146
<211> 60
<212> DNA
<213> Homo sapiens

<400> 146
aggcgagctg atcacttaag tcaggagttc gaatctgtac atcaactttg gaaaaactaa 60

<210> 147
<211> 60
<212> DNA
<213> Homo sapiens

<400> 147
cccttgtttt ctggagattc actcttcatc gagatcagcc cgggcaacac agcaagaccc 60

<210> 148
<211> 60
<212> DNA
<213> Homo sapiens

<400> 148
gagtaggtaa acaaagcagt caggaagctc gatccagtgt gcttttcact tcagaccttg 60

<210> 149
<211> 60

<212> DNA
<213> Homo sapiens

<400> 149
ccggggagaa ggctgaatcc gagcgctttc gaacctcctg ataacttcag cattaacagc 60

<210> 150
<211> 60
<212> DNA
<213> Homo sapiens

<400> 150
agcagcagcg agaagcagag ggatcccgtc gatgtccatg cctcggccaa ataggttggt 60

<210> 151
<211> 60
<212> DNA
<213> Homo sapiens

<400> 151
agcaggatcg tttcacaacc atgtgtgctc gagatattcc gtagtacata tttatttta 60

<210> 152
<211> 60
<212> DNA
<213> Homo sapiens

<400> 152
cgtggttctt caagttgtag tttaattctc gaatatttaa tctctctaca ccacttaatc 60

<210> 153
<211> 60
<212> DNA
<213> Homo sapiens

<400> 153
atttttgac aattatagta gtatggattc gaccgcatca agcgcaagga cttccgctgg 60

<210> 154
<211> 60
<212> DNA
<213> Homo sapiens

<400> 154
gggttttatc acgttggcca ggctggtctc gagaccagcc tgggcaaccc agtgaaaccc 60

<210> 155
<211> 60
<212> DNA
<213> Homo sapiens

<400> 155
gcctgcaggg ggcgcccccg cgcctgcctc gaccacacat ccacatggac gcatggcagg 60

<210> 156
<211> 60
<212> DNA
<213> Homo sapiens

<400> 156
tgtacaatgt gctacaccac tcacaccctc gacaacttca ggtaggagtg agtgatagct 60

<210> 157
<211> 60
<212> DNA
<213> Homo sapiens

<400> 157
cgccgggccg acacccacat tgtcttcttc gaaaaaaaaa aaaaaagaaa aaaaaagaaa 60

<210> 158
<211> 60
<212> DNA
<213> Homo sapiens

<400> 158
tcacctctgt cacccacccg ttccactctc gatgctctct tagtgttcca attctcagct 60

<210> 159
<211> 60
<212> DNA
<213> Homo sapiens

<400> 159
ggtggcatcc ccatcacttc tccatgcctc gaggtcccca acccccctgcc gctcatcgtg 60

<210> 160
<211> 60
<212> DNA
<213> Homo sapiens

<400> 160
tcacctctgt cacccacccg ttccactctc gaatagctcc tattgttatg gagtgtagca 60

<210> 161
<211> 60
<212> DNA
<213> Homo sapiens

<400> 161
tcacctctgt cacccacccg ttccactctc gataaagcac ttagaacatg gcatatactc 60

<210> 162
<211> 60
<212> DNA
<213> Homo sapiens

<400> 162
tcacctctgt cacccacccg ttccactctc gaattaggaa tcagcatttc ttccactgag 60

<210> 163
<211> 60
<212> DNA
<213> Homo sapiens

<400> 163
ccgcccctgt cctctcgctt cccgctggtc gatccacacc acaccagcag tggggcacaa 60

<210> 164
<211> 60
<212> DNA

<213> Homo sapiens

<400> 164
tcacctctgt cacccacccg ttccactctc gaaatagtaa aatttgatta tcaaaatttt 60

<210> 165
<211> 60
<212> DNA
<213> Homo sapiens

<400> 165
gtgccctcct cgcccctgat gggtctggtc gagaccagcc tcaacatgga gaaacaccat 60

<210> 166
<211> 60
<212> DNA
<213> Homo sapiens

<400> 166
tcacctctgt cacccacccg ttccactctc gaggctgcag tgaatcataa tcatagcact 60

<210> 167
<211> 60
<212> DNA
<213> Homo sapiens

<400> 167
actgatggca tcccccgtgc gcttccggtc gatggggcca gggggctatg gggataacct 60

<210> 168
<211> 60
<212> DNA
<213> Homo sapiens

<400> 168
cgccgggccg acacccacat tgtcttcttc gatccctggg ctacaaggtg ggcgattctg 60

<210> 169
<211> 60
<212> DNA
<213> Homo sapiens

<400> 169
agtggtctca ccatggcttt cttccaattc gaggtcccca acccctgcc gctcatcgtg 60

<210> 170
<211> 60
<212> DNA
<213> Homo sapiens

<400> 170
aggacagaga cccctaattc caccaccatc gacccttctg ctttctctcc aggggatggc 60

<210> 171
<211> 60
<212> DNA
<213> Homo sapiens

<400> 171
cgccgggccg acacccacat tgtcttcttc gacatccact cttctgggca ttcccagcct 60

<210> 172
<211> 60
<212> DNA
<213> Homo sapiens

<400> 172
cgccgggccg acacccacat tgtcttcttc gatttgcatt tccctaatga tcggtgatgt 60

<210> 173
<211> 60
<212> DNA
<213> Homo sapiens

<400> 173
tccgtgaccc ccacagccgg tcgccacatc gattatccag aagcttcttt ttttttaacc 60

<210> 174
<211> 60
<212> DNA
<213> Homo sapiens

<400> 174
tgcggaaatg atggacacta caccttcatc gacctcgtga tctggccgcc tcggccttcc 60

<210> 175
<211> 60
<212> DNA
<213> Homo sapiens

<400> 175
cgccgggccg acacccacat tgtcttcttc gattttatag tatgtgaatt atatctcaac 60

<210> 176
<211> 60
<212> DNA
<213> Homo sapiens

<400> 176
cgccgggccg acacccacat tgtcttcttc gagttccttg gaagctttaa tttgcattcc 60

<210> 177
<211> 60
<212> DNA
<213> Homo sapiens

<400> 177
cgccgggccg acacccacat tgtcttcttc gaatctccca tctgctcttt caaccaagct 60

<210> 178
<211> 60
<212> DNA
<213> Homo sapiens

<400> 178
cgccgggccg acacccacat tgtcttcttc gaaccccttt aaaccactga ccttgtccct 60

<210> 179
<211> 60
<212> DNA
<213> Homo sapiens

<400> 179
ttatcaaccc ggcgtctgga acaatcgctc gatccacacc acaccagcag tggggcacaa 60

<210> 180
<211> 60
<212> DNA
<213> Homo sapiens

<400> 180
ctccacgtca ccccatgtca attccaagtc gatgccagac actcttctgg gggtggggtg 60

<210> 181
<211> 60
<212> DNA
<213> Homo sapiens

<400> 181
catcccatcc cccaggctga aatgtgagtc gactgtggcc gccacacagt ggtcactgct 60

<210> 182
<211> 60
<212> DNA
<213> Homo sapiens

<400> 182
ctcccctctc ccccgggcat gtgggccctc gaactgcaaa aaaaaaaaaa acagaactaa 60

<210> 183
<211> 60
<212> DNA
<213> Homo sapiens

<400> 183
ttgaacccaa gaggtcacac cactgcactc gacgcccagc aagtaggcac agttcccaat 60

<210> 184
<211> 60
<212> DNA
<213> Homo sapiens

<400> 184
agttctttct tgaattcttt cctgatactc gatccacacc acaccagcag tggggcacaa 60

<210> 185
<211> 60
<212> DNA
<213> Homo sapiens

<400> 185
tctttagcac ccgggcccca caattgtctc gaagcttctc ttctgaacct ggtgaagcag 60

<210> 186
<211> 60
<212> DNA
<213> Homo sapiens

<400> 186
tctttagcac ccgggcccca caattgtctc gatgctttca tgggacactt tgaaaataaa 60

<210> 187
<211> 60
<212> DNA
<213> Homo sapiens

<400> 187
tctttagcac ccgggcccca caattgtctc gaccatatgg tctttgttgt gacactcaac 60

<210> 188
<211> 60
<212> DNA
<213> Homo sapiens

<400> 188
agaaacagct aactgatccc taaactcctc gagttgagat ctggcggcct gaatgctggt 60

<210> 189
<211> 60
<212> DNA
<213> Homo sapiens

<400> 189
tctttagcac ccgggcccca caattgtctc gataaaatgt taataacgtt gtcaagatta 60

<210> 190
<211> 60
<212> DNA
<213> Homo sapiens

<400> 190
tctttagcac ccgggcccca caattgtctc gatctgctgc ggtgggtcca tagactggca 60

<210> 191
<211> 60
<212> DNA
<213> Homo sapiens

<400> 191
ggccagagcg ccggcaagag ctcggtgctc gaaaagaaaa aaaaaatact agggggtagg 60

<210> 192
<211> 60
<212> DNA
<213> Homo sapiens

<400> 192
acccaggata aaacgcagtg ttgaccgatc gacccttctg ctttctctcc aggggatggc 60

<210> 193
<211> 60
<212> DNA
<213> Homo sapiens

<400> 193
ttcattcatt cattcattca ttcatacatc gaaaggccag taggtgtgat ctgaggaagg 60

<210> 194
<211> 60
<212> DNA
<213> Homo sapiens

<400> 194
caagataaag gaagagtgaa atcctgtctc gaccgggcga ctcccccggg gcgggggtgg 60

<210> 195
<211> 60
<212> DNA
<213> Homo sapiens

<400> 195
gcggcactcg gcctctccgc agcagttctc gaggaaagac ttactaggtc ctgcagtatt 60

<210> 196
<211> 60
<212> DNA
<213> Homo sapiens

<400> 196
tccccagcct gctctctggt agacctcttc gagggcccac atgcccgggg gagaggggag 60

<210> 197
<211> 60
<212> DNA
<213> Homo sapiens

<400> 197
tctttagcac ccgggcccca caattgtctc gaatctagga tagacgcatg cagcccctgg 60

<210> 198
<211> 60
<212> DNA
<213> Homo sapiens

<400> 198
gcggcactcg gcctctccgc agcagttctc gaataccaag aaaaagtcac atgactaaca 60

<210> 199
<211> 60
<212> DNA
<213> Homo sapiens

<400> 199
cactgcacca ccctgtacat aagtcccctc gacttcagct ccagtgaaga agacactact 60

<210> 200
<211> 60
<212> DNA
<213> Homo sapiens

<400> 200
gcggcactcg gcctctccgc agcagttctc gagagccagg aggctcttgt ggtctaatct 60

<210> 201
<211> 60
<212> DNA
<213> Homo sapiens

<400> 201
tctttagcac ccgggcccca caattgtctc gagcttcagt tccggcatct acagaatgct 60

<210> 202

<211> 60
<212> DNA
<213> Homo sapiens

<400> 202
gcggcactcg gcctctccgc agcagttctc gattgagcct gaaaaatgag gtgaaaaaat 60

<210> 203
<211> 60
<212> DNA
<213> Homo sapiens

<400> 203
cagaatcgcc caccttgtag cccagggatc gacggcaagc cactcaccct cagccctatc 60

<210> 204
<211> 60
<212> DNA
<213> Homo sapiens

<400> 204
catcccatcc cccaggctga aatgtgagtc gagacttcct ttttcatctg tggatcattt 60

<210> 205
<211> 60
<212> DNA
<213> Homo sapiens

<400> 205
tccatcccca acttcaatga cttctacatc gacatagtac tgaaagtctt tgctagagta 60

<210> 206
<211> 60
<212> DNA
<213> Homo sapiens

<400> 206
acccaggata aaacgcagtg ttgaccgatc gattcttggg ccttccacct tcacattcta 60

<210> 207
<211> 60
<212> DNA
<213> Homo sapiens

<400> 207
agacccggac gtctccgcga ggcggccatc gaggaaggct cctctgagaa agagtctgct 60

<210> 208
<211> 60
<212> DNA
<213> Homo sapiens

<400> 208
ctccagaaag gacctttaaa cactcaggtc gatggccgcc tcgcggagac gtccgggtct 60

<210> 209
<211> 60
<212> DNA
<213> Homo sapiens

<400> 209

ttcctgaaaa aaaatggcta cttattagtc gatggccgcc tcgcggagac gtccgggtct 60

<210> 210
<211> 60
<212> DNA
<213> Homo sapiens

<400> 210
agacccggac gtctccgcga ggcggccatc gagtgtcaac atgatggcac ctaaagctgt 60

<210> 211
<211> 60
<212> DNA
<213> Homo sapiens

<400> 211
acccaggata aaacgcagtg ttgaccgatc gagggcgtgg acttctacac gtccatcact 60

<210> 212
<211> 60
<212> DNA
<213> Homo sapiens

<400> 212
cacttttat agaagagaaa gtgaagattc gatggccgcc tcgcggagac gtccgggtct 60

<210> 213
<211> 60
<212> DNA
<213> Homo sapiens

<400> 213
ccttggcgaa ggcgcgtcct gggttggatc gaagtgtatg atcgcatggc attttgtaca 60

<210> 214
<211> 60
<212> DNA
<213> Homo sapiens

<400> 214
ccttccctcg tattcagtga gattcatttc gaactcctga cctcaggtga ggtgatccac 60

<210> 215
<211> 60
<212> DNA
<213> Homo sapiens

<400> 215
ggtggcatcc ccatcacttc tccatgcctc gaggtcccca acccctgcc gctcatcgtg 60

<210> 216
<211> 60
<212> DNA
<213> Homo sapiens

<400> 216
agacccggac gtctccgcga ggcggccatc gaatgatcag tgatgttgat ttttttttct 60

<210> 217
<211> 60

<212> DNA
<213> Homo sapiens

<400> 217
tgcggaaatg atggacacta caccttcatc gacctcgtga tctggccgcc tcggccttcc 60

<210> 218
<211> 60
<212> DNA
<213> Homo sapiens

<400> 218
acccaggata aaacgcagtg ttgaccgatc gattcttggg ccttccacct tcacattcta 60

<210> 219
<211> 60
<212> DNA
<213> Homo sapiens

<400> 219
acccaggata aaacgcagtg ttgaccgatc gacccttctg ctttctctcc aggggatggc 60

<210> 220
<211> 60
<212> DNA
<213> Homo sapiens

<400> 220
agacccggac gtctccgcga ggcggccatc gacatatttc ctgttccctt ggaataaaaa 60

<210> 221
<211> 60
<212> DNA
<213> Homo sapiens

<400> 221
actgatggca tcccccgtgc gcttccggtc gatggggcca gggggctatg gggataacct 60

<210> 222
<211> 60
<212> DNA
<213> Homo sapiens

<400> 222
ccacccccgc cccgggggag tcgcccggtc gagggcctgg caagaagaca gaagccgact 60

<210> 223
<211> 60
<212> DNA
<213> Homo sapiens

<400> 223
gaattccgac tcccgttttg aaattgtatc gaactcctga cctcgggtga cccgtatgcc 60

<210> 224
<211> 60
<212> DNA
<213> Homo sapiens

<400> 224
agaaacagct aactgatccc taaactcctc gagttgagat ctggcggcct gaatgctggt 60

<210> 225
<211> 60
<212> DNA
<213> Homo sapiens

<400> 225
cagaatcact ctgtggaacc aaagagcttc gattcttggg ccttccacct tcacattcta 60

<210> 226
<211> 60
<212> DNA
<213> Homo sapiens

<400> 226
agacccggac gtctccgcga ggcggccatc gattttgctg atgcaataca gttttacagg 60

<210> 227
<211> 60
<212> DNA
<213> Homo sapiens

<400> 227
caagataaag gaagagtgaa atcctgtctc gaccgggcga ctcccccggg gcgggggtgg 60

<210> 228
<211> 60
<212> DNA
<213> Homo sapiens

<400> 228
agtgatggac ttgtagaagt ccacgccctc gattcttggg ccttccacct tcacattcta 60

<210> 229
<211> 60
<212> DNA
<213> Homo sapiens

<400> 229
cagaatcact ctgtggaacc aaagagcttc gattcttggg ccttccacct tcacattcta 60

<210> 230
<211> 60
<212> DNA
<213> Homo sapiens

<400> 230
ggcgggtgga tcacctgagg tcaggagctc gatctcctga cctcgtgatc cgcccgcctc 60

<210> 231
<211> 60
<212> DNA
<213> Homo sapiens

<400> 231
gcctgcaggg ggcgcccccg cgcctgcctc gaccacacat ccacatggac gcatggcagg 60

<210> 232
<211> 60
<212> DNA

<213> Homo sapiens

<400> 232
catgatagtt aagagatcat atctagaatc gatacagttc ataatttatg aacatgtgga 60

<210> 233
<211> 60
<212> DNA
<213> Homo sapiens

<400> 233
agaaacagct aactgatccc taaactcctc gagagagtct taaaaaggga acaaaccaaa 60

<210> 234
<211> 60
<212> DNA
<213> Homo sapiens

<400> 234
accaaaccca aggtccgctg ctcgctgctc gattttgctg atgcaataca gttttacagg 60

<210> 235
<211> 60
<212> DNA
<213> Homo sapiens

<400> 235
agtgacctaa tcacagctca ccggagcctc gaggccttag ctcctcaagg atacacattt 60

<210> 236
<211> 60
<212> DNA
<213> Homo sapiens

<400> 236
aattctgttg gaagaataat ttaaaatatc gaggctccgg tgagctgtga ttaggtcact 60

<210> 237
<211> 60
<212> DNA
<213> Homo sapiens

<400> 237
tactctagca aagactttca gtactatgtc gatggtgatt ttaccttgtg gagcaatggc 60

<210> 238
<211> 60
<212> DNA
<213> Homo sapiens

<400> 238
agcaagaggc tgagcctaac tctccctttc gatggccgcc tcgcggagac gtccgggtct 60

<210> 239
<211> 60
<212> DNA
<213> Homo sapiens

<400> 239
ccttggcgaa ggcgcgtcct gggttggatc gatctcttga cctcacgatc cacccgcctc 60

<210> 240
<211> 60
<212> DNA
<213> Homo sapiens

<400> 240
gcagagggaa ttgagagaag ttaagagttc gaactcctga cctcgggtga cccgtatgcc 60

<210> 241
<211> 60
<212> DNA
<213> Homo sapiens

<400> 241
gacacgggcg catcacgagg tcaagagatc gatctcttga cctggtgatc tacccgcctc 60

<210> 242
<211> 60
<212> DNA
<213> Homo sapiens

<400> 242
atactgacac actattccac ccacaaagtc gataacatgt ttatagagaa atagccctct 60

<210> 243
<211> 60
<212> DNA
<213> Homo sapiens

<400> 243
agaaacagct aactgatccc taaactcctc gattctagat atgatctctt aactatcatg 60

<210> 244
<211> 60
<212> DNA
<213> Homo sapiens

<400> 244
tccacatgtt cataaattat gaactgtatc gaaatgtcta ttcatattca ttaactcaag 60

<210> 245
<211> 60
<212> DNA
<213> Homo sapiens

<400> 245
accaaaccca aggtccgctg ctcgctgctc gagatgggga aggaaaggtc agaagaggag 60

<210> 246
<211> 60
<212> DNA
<213> Homo sapiens

<400> 246
ttcctgaaaa aaaatggcta cttattagtc gacctgagtg tttaaaggtc ctttctggag 60

<210> 247
<211> 60
<212> DNA
<213> Homo sapiens

<400> 247
cacttttttat agaagagaaa gtgaagattc gagcagcgag cagcggacct tgggtttggt 60

<210> 248
<211> 60
<212> DNA
<213> Homo sapiens

<400> 248
ccacccccgc cccgggggag tcgcccggtc gaactccgga cctcgtgatc tgcccacctc 60

<210> 249
<211> 60
<212> DNA
<213> Homo sapiens

<400> 249
gaggtgggcg gatcctaagg tcaggagttc gatctcctga cctcgtgatc cgcccgcctc 60

<210> 250
<211> 60
<212> DNA
<213> Homo sapiens

<400> 250
ttaacatggt ctatgtgtcc ctgcatgatc gatggccgcc tcgcggagac gtccgggtct 60

<210> 251
<211> 60
<212> DNA
<213> Homo sapiens

<400> 251
cacttttttat agaagagaaa gtgaagattc gacctcctga cctcggaacc acaatcactc 60

<210> 252
<211> 60
<212> DNA
<213> Homo sapiens

<400> 252
ttttccctgg aaatcctagt tggggtgctc gagccgccaa cgaggatttc taggagaaga 60

<210> 253
<211> 60
<212> DNA
<213> Homo sapiens

<400> 253
catgatagtt aagagatcat atctagaatc gactgtgcag ctatgctgtt ttatgtgtaa 60

<210> 254
<211> 60
<212> DNA
<213> Homo sapiens

<400> 254
tctttgttac tggaatatac gaataaaatc gatattttaa attattcttc caacagaatt 60

<210> 255
<211> 60
<212> DNA
<213> Homo sapiens

<400> 255
caaataaatt agaatgtatt ttcattgctc gagcaggtat tttggatgcg gtgccgcctg 60

<210> 256
<211> 60
<212> DNA
<213> Homo sapiens

<400> 256
tactgaagaa gtctttgaag agatttcttc gagcaggtat tttggatgcg gtgccgcctg 60

<210> 257
<211> 60
<212> DNA
<213> Homo sapiens

<400> 257
atttattgac tccctagggt ctaggagctc gagcaggtat tttggatgcg gtgccgcctg 60

<210> 258
<211> 60
<212> DNA
<213> Homo sapiens

<400> 258
tgttttataa tcattataat tttttctttc gagcaggtat tttggatgcg gtgccgcctg 60

<210> 259
<211> 60
<212> DNA
<213> Homo sapiens

<400> 259
tagaactgaa catgtttaaa tgatatcgtc gagcaggtat tttggatgcg gtgccgcctg 60

<210> 260
<211> 60
<212> DNA
<213> Homo sapiens

<400> 260
ttataccaga tttcaggtgc ctagctgttc gagcaggtat tttggatgcg gtgccgcctg 60

<210> 261
<211> 60
<212> DNA
<213> Homo sapiens

<400> 261
cccacctccc accagacagt ggaagcagtc gagtgctgtg agcaaagagg ccctgggcca 60

<210> 262
<211> 60
<212> DNA
<213> Homo sapiens

<400> 262
ttccacttat gtgatgtgtc taaagtagtc gagcaggtat tttggatgcg gtgccgcctg 60

<210> 263
<211> 60
<212> DNA
<213> Homo sapiens

<400> 263
cccacctccc accagacagt ggaagcagtc gaagcaaaac tgtggagatt gggtcggtga 60

<210> 264
<211> 60
<212> DNA
<213> Homo sapiens

<400> 264
tgaatggacc tcatcctacc attcttttc gagcaggtat tttggatgcg gtgccgcctg 60

<210> 265
<211> 60
<212> DNA
<213> Homo sapiens

<400> 265
gcctgcaggg ggcgcccccg cgcctgcctc gaccacacat ccacatggac gcatggcagg 60

<210> 266
<211> 60
<212> DNA
<213> Homo sapiens

<400> 266
catctcatgt ggattcagaa aaaggtagtc gagcaggtat tttggatgcg gtgccgcctg 60

<210> 267
<211> 60
<212> DNA
<213> Homo sapiens

<400> 267
aggacagaga cccctaattc caccaccatc gacccttctg ctttctctcc aggggatggc 60

<210> 268
<211> 60
<212> DNA
<213> Homo sapiens

<400> 268
tgcccaccca gacctcccgg cggctgcttc gagcaggtat tttggatgcg gtgccgcctg 60

<210> 269
<211> 60
<212> DNA
<213> Homo sapiens

<400> 269
tccatcccca acttcaatga cttctacatc gacatagtac tgaaagtctt tgctagagta 60

<210> 270

<211> 60
<212> DNA
<213> Homo sapiens

<400> 270
ggtggcatcc ccatcacttc tccatgcctc gaggtcccca acccccctgcc gctcatcgtg 60

<210> 271
<211> 60
<212> DNA
<213> Homo sapiens

<400> 271
cactgcccca cctcttactg gcatctcctc gaccccgtgc caagtccccg ggtggtagag 60

<210> 272
<211> 60
<212> DNA
<213> Homo sapiens

<400> 272
cggccgagcc cgggcctagt atccagagtc gagcaggtat tttggatgcg gtgccgcctg 60

<210> 273
<211> 60
<212> DNA
<213> Homo sapiens

<400> 273
ccacctcata ggggagggct ttactcagtc gatccacacc acaccagcag tggggcacaa 60

<210> 274
<211> 60
<212> DNA
<213> Homo sapiens

<400> 274
gagcagtacc tagcaaataa ttaggtgttc gagcaggtat tttggatgcg gtgccgcctg 60

<210> 275
<211> 60
<212> DNA
<213> Homo sapiens

<400> 275
caggcggcac cgcatccaaa atacctgctc gagtagaggt gtctaatatg atgcacctat 60

<210> 276
<211> 60
<212> DNA
<213> Homo sapiens

<400> 276
agtggtctca ccatggcttt cttccaattc gaggtcccca acccccctgcc gctcatcgtg 60

<210> 277
<211> 60
<212> DNA
<213> Homo sapiens

<400> 277

tccgtgaccc ccacagccgg tcgccacatc gattatccag aagcttcttt ttttttaacc 60

<210> 278
<211> 60
<212> DNA
<213> Homo sapiens

<400> 278
cctgtagctc tgatgtcaga tggcaatgtc gatccacacc acaccagcag tggggcacaa 60

<210> 279
<211> 60
<212> DNA
<213> Homo sapiens

<400> 279
ccaaaggtat tacaaactca gccttggttc gagcaggtat tttggatgcg gtgccgcctg 60

<210> 280
<211> 60
<212> DNA
<213> Homo sapiens

<400> 280
caggcggcac cgcatccaaa atacctgctc gagtattgtg tttgatactt tgttcttgat 60

<210> 281
<211> 60
<212> DNA
<213> Homo sapiens

<400> 281
caggcggcac cgcatccaaa atacctgctc gaagggattc tgacttgata caggtccaga 60

<210> 282
<211> 60
<212> DNA
<213> Homo sapiens

<400> 282
ctgctgaaca gaggtgcctg cagatgcgtc gagcaggtat tttggatgcg gtgccgcctg 60

<210> 283
<211> 60
<212> DNA
<213> Homo sapiens

<400> 283
caggcggcac cgcatccaaa atacctgctc gatggccaat gatttgatta attatgtcta 60

<210> 284
<211> 60
<212> DNA
<213> Homo sapiens

<400> 284
caggcggcac cgcatccaaa atacctgctc gacagtagaa tctgctgcct gtgaccatct 60

<210> 285
<211> 60

<212> DNA
<213> Homo sapiens

<400> 285
ataaaggtgg ggcaaagggt tgaattggtc gacggggcgg gtggacgtgg agccacagtt 60

<210> 286
<211> 60
<212> DNA
<213> Homo sapiens

<400> 286
caggcggcac cgcatccaaa atacctgctc gatgctataa atgttacgga aattatgtac 60

<210> 287
<211> 60
<212> DNA
<213> Homo sapiens

<400> 287
ggtctctggt aatggccaaa taatctaatc gaccgccctg ccccctactg tggagttcta 60

<210> 288
<211> 60
<212> DNA
<213> Homo sapiens

<400> 288
accgcctcac ctcagctctc cagtgagatc gatcctttgc tgcctgatcg gtcttcctct 60

<210> 289
<211> 60
<212> DNA
<213> Homo sapiens

<400> 289
caggcggcac cgcatccaaa atacctgctc gatgtcctca aacccatata ggaagtacat 60

<210> 290
<211> 60
<212> DNA
<213> Homo sapiens

<400> 290
caggcggcac cgcatccaaa atacctgctc gatgcaacaa aaagagctaa ctatcctaaa 60

<210> 291
<211> 60
<212> DNA
<213> Homo sapiens

<400> 291
caggcggcac cgcatccaaa atacctgctc gatcaataga caaacatata tacacatgtt 60

<210> 292
<211> 60
<212> DNA
<213> Homo sapiens

<400> 292
gcccgaccct gagctccaga acagaccatc gacctcaaca gaggtttctg aaggggtca 60

<210> 293
<211> 60
<212> DNA
<213> Homo sapiens

<400> 293
ataccaagcc agaggtttct tgacttaatc gaccgccctg ccccctactg tggagttcta 60

<210> 294
<211> 60
<212> DNA
<213> Homo sapiens

<400> 294
tacacaatga cttcattttg tcctcatatc gaccgccctg ccccctactg tggagttcta 60

<210> 295
<211> 60
<212> DNA
<213> Homo sapiens

<400> 295
cactgcccca cctcttactg gcatctcctc gagctccaga gctttcctct gagcccatgt 60

<210> 296
<211> 60
<212> DNA
<213> Homo sapiens

<400> 296
tccgtgaccc ccacagccgg tcgccacatc gagtagctga gattacaggc atgtaccacc 60

<210> 297
<211> 60
<212> DNA
<213> Homo sapiens

<400> 297
tgcagcccac tcccacaaca gggaagactc gaactctctc tgccagcctc tctgggggtg 60

<210> 298
<211> 60
<212> DNA
<213> Homo sapiens

<400> 298
cactgcccca cctcttactg gcatctcctc gactgcccta ttttgtctat agattatttc 60

<210> 299
<211> 60
<212> DNA
<213> Homo sapiens

<400> 299
caggcggcac cgcatccaaa atacctgctc gactcaaggt tgccacaaat cttcaatttg 60

<210> 300
<211> 60
<212> DNA

<213> Homo sapiens

<400> 300
gcccgaccct gagctccaga acagaccatc gactgccgcg ggggtcgcgt cctctccatc 60

<210> 301
<211> 60
<212> DNA
<213> Homo sapiens

<400> 301
ggaactgcat ccatacttgt tacacatctc gagttgttgc caccccaccc tcctcaaacc 60

<210> 302
<211> 60
<212> DNA
<213> Homo sapiens

<400> 302
cactgcccca cctcttactg gcatctcctc gagcattaag tcttggatgc tgttgttcta 60

<210> 303
<211> 60
<212> DNA
<213> Homo sapiens

<400> 303
caatacaaca gaatgcagag tccagaaatc gagcaggtat tttggatgcg gtgccgcctg 60

<210> 304
<211> 60
<212> DNA
<213> Homo sapiens

<400> 304
agtggtacaa tcatgaatca ctacagcctc gaccacacat ccacatggac gcatggcagg 60

<210> 305
<211> 60
<212> DNA
<213> Homo sapiens

<400> 305
tcacctctgt cacccacccg ttccactctc gaattaggaa tcagcatttc ttccactgag 60

<210> 306
<211> 60
<212> DNA
<213> Homo sapiens

<400> 306
tcacctctgt cacccacccg ttccactctc gaaatagtaa aatttgatta tcaaaatttt 60

<210> 307
<211> 60
<212> DNA
<213> Homo sapiens

<400> 307
cctgtagctc tgatgtcaga tggcaatgtc gatccacacc acaccagcag tggggcacaa 60

<210> 308
<211> 60
<212> DNA
<213> Homo sapiens

<400> 308
ccacctcata ggggagggct ttactcagtc gatccacacc acaccagcag tggggcacaa 60

<210> 309
<211> 60
<212> DNA
<213> Homo sapiens

<400> 309
tcacctctgt cacccacccg ttccactctc gatgctctct tagtgttcca attctcagct 60

<210> 310
<211> 60
<212> DNA
<213> Homo sapiens

<400> 310
tcacctctgt cacccacccg ttccactctc gataaagcac ttagaacatg gcatatactc 60

<210> 311
<211> 60
<212> DNA
<213> Homo sapiens

<400> 311
agttctttct tgaattcttt cctgatactc gatccacacc acaccagcag tggggcacaa 60

<210> 312
<211> 60
<212> DNA
<213> Homo sapiens

<400> 312
ttatcaaccc ggcgtctgga acaatcgctc gatccacacc acaccagcag tggggcacaa 60

<210> 313
<211> 60
<212> DNA
<213> Homo sapiens

<400> 313
ttcattcatt cattcattca ttcatacatc gattctctat ttcatttatt tccactgtaa 60

<210> 314
<211> 60
<212> DNA
<213> Homo sapiens

<400> 314
ttcattcatt cattcattca ttcatacatc gaaatgtcta ttcatattca ttaactcaag 60

<210> 315
<211> 60
<212> DNA
<213> Homo sapiens

<400> 315
tcacctctgt cacccacccg ttccactctc gaatagctcc tattgttatg gagtgtagca 60

<210> 316
<211> 60
<212> DNA
<213> Homo sapiens

<400> 316
tcacctctgt cacccacccg ttccactctc gaggctgcag tgaatcataa tcatagcact 60

<210> 317
<211> 60
<212> DNA
<213> Homo sapiens

<400> 317
gcctgcaggg ggcgcccccg cgcctgcctc gaccacacat ccacatggac gcatggcagg 60

<210> 318
<211> 60
<212> DNA
<213> Homo sapiens

<400> 318
gggtgggatg ggacagacac aagaactctc gaggttgtag acctcatggc tggcacaagt 60

<210> 319
<211> 60
<212> DNA
<213> Homo sapiens

<400> 319
ttcattcatt cattcattca ttcatacatc gaaaggccag taggtgtgat ctgaggaagg 60

<210> 320
<211> 60
<212> DNA
<213> Homo sapiens

<400> 320
agtgttggtg agatattgtc tctcagtttc gatccacacc acaccagcag tggggcacaa 60

<210> 321
<211> 60
<212> DNA
<213> Homo sapiens

<400> 321
ccaaccccac tccccaagta ccccactctc gagtcaggta cagcgcttga gtccattgtg 60

<210> 322
<211> 60
<212> DNA
<213> Homo sapiens

<400> 322
ccgcccctgt cctctcgctt cccgctggtc gatccacacc acaccagcag tggggcacaa 60

<210> 323
<211> 60
<212> DNA
<213> Homo sapiens

<400> 323
agagagctgg agaagagggc gagaagagtc gaaagaattg tgagtagcag ttgtgtggtt 60

<210> 324
<211> 60
<212> DNA
<213> Homo sapiens

<400> 324
agagagctgg agaagagggc gagaagagtc gataaaggaa aaagttcagt aaagtgtgaa 60

<210> 325
<211> 60
<212> DNA
<213> Homo sapiens

<400> 325
agtggtacaa tcatgaatca ctacagcctc gaccacacat ccacatggac gcatggcagg 60

<210> 326
<211> 60
<212> DNA
<213> Homo sapiens

<400> 326
tggcatccca taggctttat agagcaggtc gacctcctga cctcgtgatc cacctgcctc 60

<210> 327
<211> 60
<212> DNA
<213> Homo sapiens

<400> 327
agagagctgg agaagagggc gagaagagtc gaggtatctt ttttctccga aggctagtaa 60

<210> 328
<211> 60
<212> DNA
<213> Homo sapiens

<400> 328
atccacttac atgaggtacc tagaggagtc gagttgttgc caccccaccc tcctcaaacc 60

<210> 329
<211> 60
<212> DNA
<213> Homo sapiens

<400> 329
gttaacagta atacgatgtt aaaaggactc gagttgttgc caccccaccc tcctcaaacc 60

<210> 330
<211> 60
<212> DNA
<213> Homo sapiens

<400> 330
tggggaagag gagcaagtgt caggaagatc gactcattta atccccaaaa ccattccatg 60

<210> 331
<211> 60
<212> DNA
<213> Homo sapiens

<400> 331
ggaactgcat ccatacttgt tacacatctc gagttgttgc caccccaccc tcctcaaacc 60

<210> 332
<211> 60
<212> DNA
<213> Homo sapiens

<400> 332
ccacctcata ggggagggct ttactcagtc gagcatttgt gtgtgtatgt gtgaagtata 60

<210> 333
<211> 60
<212> DNA
<213> Homo sapiens

<400> 333
tttaaagatg aggggaggga agcaggagtc gataaaggaa aaagttcagt aaagtgtgaa 60

<210> 334
<211> 60
<212> DNA
<213> Homo sapiens

<400> 334
tgtaatctgt tttgctatcc aatcaagatc gaggtccccc cacccccaca tgtctctacc 60

<210> 335
<211> 60
<212> DNA
<213> Homo sapiens

<400> 335
gggtgggatg ggacagacac aagaactctc gaacactcag ctatcagttt tgttgagttc 60

<210> 336
<211> 60
<212> DNA
<213> Homo sapiens

<400> 336
agagagctgg agaagagggc gagaagagtc gactgaatat cttcactctt gagccaaagt 60

<210> 337
<211> 60
<212> DNA
<213> Homo sapiens

<400> 337
cactgcacca ccctgtacat aagtcccctc gacttcagct ccagtgaaga agacactact 60

<210> 338

<211> 60
<212> DNA
<213> Homo sapiens

<400> 338
aagcagtttt tatcatttca ttaatccttc gaggtccccc cacccccaca tgtctctacc 60

<210> 339
<211> 60
<212> DNA
<213> Homo sapiens

<400> 339
ctccacgtca ccccatgtca attccaagtc gatgccagac actcttctgg gggtggggtg 60

<210> 340
<211> 60
<212> DNA
<213> Homo sapiens

<400> 340
ggctggcgga ttacttgaag ccaggagttc gatccacacc acaccagcag tggggcacaa 60

<210> 341
<211> 60
<212> DNA
<213> Homo sapiens

<400> 341
taaatacaga tgaaaccaac taatagactc gagttgttgc caccccaccc tcctcaaacc 60

<210> 342
<211> 60
<212> DNA
<213> Homo sapiens

<400> 342
aagtcctaag aacactgaaa atctcagatc gagttgttgc caccccaccc tcctcaaacc 60

<210> 343
<211> 60
<212> DNA
<213> Homo sapiens

<400> 343
tgcggaaatg atggacacta caccttcatc gacctcgtga tctggccgcc tcggccttcc 60

<210> 344
<211> 60
<212> DNA
<213> Homo sapiens

<400> 344
ctcaggaaga agtggatccc tgtttctttc gagttgttgc caccccaccc tcctcaaacc 60

<210> 345
<211> 60
<212> DNA
<213> Homo sapiens

<400> 345

agagagctgg agaagagggc gagaagagtc gaagatgtca aaaggaaaaa tggaaatagt 60

<210> 346
<211> 60
<212> DNA
<213> Homo sapiens

<400> 346
tttggtttgt tccctttta agactctctc gactcactca catctgcctc atgatggtta 60

<210> 347
<211> 60
<212> DNA
<213> Homo sapiens

<400> 347
tttaaagatg aggggaggga agcaggagtc gaaaccagaa gacccaatat aatatctagt 60

<210> 348
<211> 60
<212> DNA
<213> Homo sapiens

<400> 348
tttaaagatg aggggaggga agcaggagtc gaaagaattg tgagtagcag ttgtgtggtt 60

<210> 349
<211> 60
<212> DNA
<213> Homo sapiens

<400> 349
atctaaacac agtccatgct aaaaagcttc gagttgttgc caccccaccc tcctcaaacc 60

<210> 350
<211> 60
<212> DNA
<213> Homo sapiens

<400> 350
catgatagtt aagagatcat atctagaatc gactcactca catctgcctc atgatggtta 60

<210> 351
<211> 60
<212> DNA
<213> Homo sapiens

<400> 351
cttcaccaga cattttaaat aaaatctatc gaggtccccc cacccccaca tgtctctacc 60

<210> 352
<211> 60
<212> DNA
<213> Homo sapiens

<400> 352
cactgcccca cctcttactg gcatctcctc gagacaattc attgaacctg actcatttct 60

<210> 353
<211> 60

<212> DNA
<213> Homo sapiens

<400> 353
ccaaatccga acctcctctg tgaagcattc gagttgttgc caccccaccc tcctcaaacc 60

<210> 354
<211> 60
<212> DNA
<213> Homo sapiens

<400> 354
agagagctgg agaagagggc gagaagagtc gaattgtgct ccattgttac ctttttgtgt 60

<210> 355
<211> 60
<212> DNA
<213> Homo sapiens

<400> 355
cccacctccc accagacagt ggaagcagtc gagtgctgtg agcaaagagg ccctgggcca 60

<210> 356
<211> 60
<212> DNA
<213> Homo sapiens

<400> 356
cccacctccc accagacagt ggaagcagtc gaagcaaaac tgtggagatt gggtcggtga 60

<210> 357
<211> 60
<212> DNA
<213> Homo sapiens

<400> 357
gcctgcaggg ggcgcccccg cgcctgcctc gaccacacat ccacatggac gcatggcagg 60

<210> 358
<211> 60
<212> DNA
<213> Homo sapiens

<400> 358
cgccgggccg acacccacat tgtcttcttc gaaccccttt aaaccactga ccttgtccct 60

<210> 359
<211> 60
<212> DNA
<213> Homo sapiens

<400> 359
cgccgggccg acacccacat tgtcttcttc gagttccttg gaagctttaa tttgcattcc 60

<210> 360
<211> 60
<212> DNA
<213> Homo sapiens

<400> 360
agacccggac gtctccgcga ggcggccatc gattttgctg atgcaataca gttttacagg 60

<210> 361
<211> 60
<212> DNA
<213> Homo sapiens

<400> 361
cgccgggccg acacccacat tgtcttcttc gaatctccca tctgctcttt caaccaagct 60

<210> 362
<211> 60
<212> DNA
<213> Homo sapiens

<400> 362
cgccgggccg acacccacat tgtcttcttc gacatccact cttctgggca ttcccagcct 60

<210> 363
<211> 60
<212> DNA
<213> Homo sapiens

<400> 363
actgatggca tcccccgtgc gcttccggtc gatggggcca gggggctatg gggataacct 60

<210> 364
<211> 60
<212> DNA
<213> Homo sapiens

<400> 364
cgccgggccg acacccacat tgtcttcttc gattttatag tatgtgaatt atatctcaac 60

<210> 365
<211> 60
<212> DNA
<213> Homo sapiens

<400> 365
acagctgcat cttatgtcag aagagtgttc gactccagtg aagattattt tgtgtcagtc 60

<210> 366
<211> 60
<212> DNA
<213> Homo sapiens

<400> 366
cagaatcgcc caccttgtag cccagggatc gacggcaagc cactcaccct cagccctatc 60

<210> 367
<211> 60
<212> DNA
<213> Homo sapiens

<400> 367
caaatcccgg ctatctctta gaattgcatc gagtttatct tgagtttata tattttaatg 60

<210> 368
<211> 60
<212> DNA

<213> Homo sapiens

<400> 368
tccatcccca acttcaatga cttctacatc gacatagtac tgaaagtctt tgctagagta 60

<210> 369
<211> 60
<212> DNA
<213> Homo sapiens

<400> 369
agacccggac gtctccgcga ggcggccatc gacatatttc ctgttccctt ggaataaaaa 60

<210> 370
<211> 60
<212> DNA
<213> Homo sapiens

<400> 370
cgccgggccg acacccacat tgtcttcttc gatttgcatt tccctaatga tcggtgatgt 60

<210> 371
<211> 60
<212> DNA
<213> Homo sapiens

<400> 371
aggacagaga cccctaattc caccaccatc gacccttctg ctttctctcc aggggatggc 60

<210> 372
<211> 60
<212> DNA
<213> Homo sapiens

<400> 372
cgccgggccg acacccacat tgtcttcttc gatccctggg ctacaaggtg ggcgattctg 60

<210> 373
<211> 60
<212> DNA
<213> Homo sapiens

<400> 373
ttcctgaaaa aaaatggcta cttattagtc gatggccgcc tcgcggagac gtccgggtct 60

<210> 374
<211> 60
<212> DNA
<213> Homo sapiens

<400> 374
agcacaggca agatgacctt caaggtgctc gaccccactg ctggccatcc ctacctgcat 60

<210> 375
<211> 60
<212> DNA
<213> Homo sapiens

<400> 375
cacttttat agaagagaaa gtgaagattc gatggccgcc tcgcggagac gtccgggtct 60

<210> 376
<211> 60
<212> DNA
<213> Homo sapiens

<400> 376
ccacgtgtcg cgggcctgag tgtgcccctc gaggctgtag tgattcatga ttgtaccact 60

<210> 377
<211> 60
<212> DNA
<213> Homo sapiens

<400> 377
cgccgggccg acacccacat tgtcttcttc gaaaaaaaaa aaaaaagaaa aaaaaagaaa 60

<210> 378
<211> 60
<212> DNA
<213> Homo sapiens

<400> 378
gtgcccacac tcctcagccc tccggtggtc gaccgcctgg gctcaaccaa tcctcccatc 60

<210> 379
<211> 60
<212> DNA
<213> Homo sapiens

<400> 379
gtgccctcct cgcccctgat gggtctggtc gagaccagcc tcaacatgga gaaacaccat 60

<210> 380
<211> 60
<212> DNA
<213> Homo sapiens

<400> 380
ataggcaccg aatagataaa tagatagatc gatagataat agatagaaat atgcagaaag 60

<210> 381
<211> 60
<212> DNA
<213> Homo sapiens

<400> 381
gccagagtgg aaatggaatt gggagaaatc gaagagtttt aatatctgct gtaaaccttg 60

<210> 382
<211> 60
<212> DNA
<213> Homo sapiens

<400> 382
ataggcaccg aatagataaa tagatagatc gaagattctg acaataacta agagcagagg 60

<210> 383
<211> 60
<212> DNA
<213> Homo sapiens

<400> 383
gccagagtgg aaatggaatt gggagaaatc gaaatgagtc aaggaaactt acaagctttt 60

<210> 384
<211> 60
<212> DNA
<213> Homo sapiens

<400> 384
gccagagtgg aaatggaatt gggagaaatc gattcggacc actgcatgag aagagaggca 60

<210> 385
<211> 60
<212> DNA
<213> Homo sapiens

<400> 385
atcttgggta actagggagt ggagttgttc gacttcgcca gctgaagtga tcctcccact 60

<210> 386
<211> 60
<212> DNA
<213> Homo sapiens

<400> 386
attcctagac acatacaacc tgccaagatc gaagagtttt aatatctgct gtaaaccttg 60

<210> 387
<211> 60
<212> DNA
<213> Homo sapiens

<400> 387
tacagatttt ggtatctgag tggagatctc gaagattctg acaataacta agagcagagg 60

<210> 388
<211> 60
<212> DNA
<213> Homo sapiens

<400> 388
ctgttctggt tttggatttc ttcaaggttc gatttctccc aattccattt ccactctggc 60

<210> 389
<211> 60
<212> DNA
<213> Homo sapiens

<400> 389
cgaggcgagt ggatcatgag tcaggagatc gatttaaaaa tagtttattt taataatgtt 60

<210> 390
<211> 60
<212> DNA
<213> Homo sapiens

<400> 390
ataaagaaaa tgcagtacac atacacaatc gagaccagcc tggtcaatac ggcaaaaccc 60

<210> 391
<211> 60
<212> DNA
<213> Homo sapiens

<400> 391
ggcaggtgga tcacctgagg tcaggagttc gaactcttaa cctcaggtga tccacccgca 60

<210> 392
<211> 60
<212> DNA
<213> Homo sapiens

<400> 392
gtagtaggga ttcattcaaa agcaccactc gaggatttac gatgcagtgc gacaaccctg 60

<210> 393
<211> 60
<212> DNA
<213> Homo sapiens

<400> 393
tatatttata tcccagattc aatcatcatc gagaccagcc tagctaacat ggtgaaaccc 60

<210> 394
<211> 60
<212> DNA
<213> Homo sapiens

<400> 394
tgataaacat cttaacagga aacagggttc gattgtcatc ctctaggact tacagtttct 60

<210> 395
<211> 60
<212> DNA
<213> Homo sapiens

<400> 395
ggcaggcaga tcacttgagg tcaggagttc gaacacctga cctcaggtga tctgcccacc 60

<210> 396
<211> 60
<212> DNA
<213> Homo sapiens

<400> 396
ggcaggtgga tcacctgagg tcaggagttc gaactcctga cctcagggga tccacccacc 60

<210> 397
<211> 60
<212> DNA
<213> Homo sapiens

<400> 397
ctgttctggt tttggatttc ttcaaggttc gaaagcagaa tgttttgatc atgagaaaat 60

<210> 398
<211> 60
<212> DNA
<213> Homo sapiens

<400> 398
aacaaatgtt taccaagtac ctactatgtc gaaaatcaga tggttatagg tgtgtggcct 60

<210> 399
<211> 60
<212> DNA
<213> Homo sapiens

<400> 399
cgaggcgagt ggatcatgag tcaggagatc gaaaggtatc tgtcttggaa aaaccttgat 60

<210> 400
<211> 60
<212> DNA
<213> Homo sapiens

<400> 400
aaagatgttg agtggagttt gcagttgttc gaaccctgtt tcctgttaag atgtttatca 60

<210> 401
<211> 60
<212> DNA
<213> Homo sapiens

<400> 401
cgaggcgagt ggatcatgag tcaggagatc gacaataaac tgaagagaca gcattaatgt 60

<210> 402
<211> 60
<212> DNA
<213> Homo sapiens

<400> 402
aaggtgggtg gatcatgagg tcaggagttc gaacccctga cctcaaatga tccacctagg 60

<210> 403
<211> 60
<212> DNA
<213> Homo sapiens

<400> 403
aaggaaggaa tcaaacactt ctgaaaagtc gagaccagcc tggtcaatac ggcaaaaccc 60

<210> 404
<211> 60
<212> DNA
<213> Homo sapiens

<400> 404
tatatttata tcccagattc aatcatcatc gagaccagta tgggcaacac ggcaagattc 60

<210> 405
<211> 60
<212> DNA
<213> Homo sapiens

<400> 405
aagctcaata aatcccaagc acacacactc gaccttcatc acaacagtgc tcataggttt 60

<210> 406

<211> 60
<212> DNA
<213> Homo sapiens

<400> 406
aagctcaata aatcccaagc acacacactc gaggaccctt ccacccaaaa aaaagcaagg 60

<210> 407
<211> 60
<212> DNA
<213> Homo sapiens

<400> 407
aagctcaata aatcccaagc acacacactc gaagtcagct gggatgaagg aagggaaaga 60

<210> 408
<211> 60
<212> DNA
<213> Homo sapiens

<400> 408
aagctcaata aatcccaagc acacacactc gaaagcagcc acaggcagtc agtatatgtc 60

<210> 409
<211> 60
<212> DNA
<213> Homo sapiens

<400> 409
aagctcaata aatcccaagc acacacactc gaataaatag tatctttgcc caataatatg 60

<210> 410
<211> 60
<212> DNA
<213> Homo sapiens

<400> 410
aagctcaata aatcccaagc acacacactc gaatgtaaaa tgagagacct gatgcacagt 60

<210> 411
<211> 60
<212> DNA
<213> Homo sapiens

<400> 411
aagctcaata aatcccaagc acacacactc gaggcaaagt gggcattttc cagcaccctg 60

<210> 412
<211> 60
<212> DNA
<213> Homo sapiens

<400> 412
aagctcaata aatcccaagc acacacactc gaaatggctc cagattcctg gccgagtagg 60

<210> 413
<211> 60
<212> DNA
<213> Homo sapiens

<400> 413

acctgaatac attgagatta ttttgcaatc gagatctgag tgtgagggtg gggggctgag 60

<210> 414
<211> 60
<212> DNA
<213> Homo sapiens

<400> 414
aaggttgtga aaattttatc ttacgtgatc gatgacacaa agtgtgttta aatacagggt 60

<210> 415
<211> 60
<212> DNA
<213> Homo sapiens

<400> 415
gtatgtcagg ggtcagaggg ggcagaggtc gaggagacta cttaggaata atacaacaaa 60

<210> 416
<211> 60
<212> DNA
<213> Homo sapiens

<400> 416
gtatgtcagg ggtcagaggg ggcagaggtc gaggacctag ctacccggca aacatcaaat 60

<210> 417
<211> 60
<212> DNA
<213> Homo sapiens

<400> 417
gtatgtcagg ggtcagaggg ggcagaggtc gactttaaca taatttatta aaattatact 60

<210> 418
<211> 60
<212> DNA
<213> Homo sapiens

<400> 418
gtatgtcagg ggtcagaggg ggcagaggtc gaacttttac catgagtctt ttactgaaaa 60

<210> 419
<211> 60
<212> DNA
<213> Homo sapiens

<400> 419
gtatgtcagg ggtcagaggg ggcagaggtc gactttgatg aacaaaaatg gatatctaac 60

<210> 420
<211> 60
<212> DNA
<213> Homo sapiens

<400> 420
ggtgggtgga ttggttgaag tcagcagttc gaacttttac catgagtctt ttactgaaaa 60

<210> 421
<211> 60

<212> DNA
<213> Homo sapiens

<400> 421
ggtgggtgga ttggttgaag tcagcagttc gaactgccac cttgtccctc ttctatcact 60

<210> 422
<211> 60
<212> DNA
<213> Homo sapiens

<400> 422
agggagagag aggagtctaa agtttatctc gaggggggtgg gagggcatgt ctatttgctc 60

<210> 423
<211> 60
<212> DNA
<213> Homo sapiens

<400> 423
tttacaatat ccctttttaa gtgcaaagtc gatggttgat gttgtgtgtg ggtgtgtacg 60

<210> 424
<211> 60
<212> DNA
<213> Homo sapiens

<400> 424
tggtgaggag ggcagtgtcc aaggcaagtc gatgcaagag tcccaggaca gtcaaagaat 60

<210> 425
<211> 60
<212> DNA
<213> Homo sapiens

<400> 425
atgggtaagt gatgaatggg tggatagttc gatgtttaga ttttcccaac tgggttctat 60

<210> 426
<211> 60
<212> DNA
<213> Homo sapiens

<400> 426
atgggtaagt gatgaatggg tggatagttc gacgtgccgg aggtgcgtgg ggaactgttc 60

<210> 427
<211> 60
<212> DNA
<213> Homo sapiens

<400> 427
ttttttttt ttttttagat atagggtttc gaggctaatc tggctgagag aggagggtct 60

<210> 428
<211> 60
<212> DNA
<213> Homo sapiens

<400> 428
ccctggacag caactaagct gtcctgggtc gagactactc aaatattttt atttatttct 60

<210> 429
<211> 60
<212> DNA
<213> Homo sapiens

<400> 429
agacacacac tgagacagct caatctgctc gaggatcaaa ggatgttgtg tgaggcttgc 60

<210> 430
<211> 60
<212> DNA
<213> Homo sapiens

<400> 430
gaccaggctg gagtgcagtg gcacaatctc gagccactgc actccatcct gggcagcaga 60

<210> 431
<211> 60
<212> DNA
<213> Homo sapiens

<400> 431
gattccttat agtttaaaat taaattattc gagtctctta atgacctgcg gagattgtac 60

<210> 432
<211> 60
<212> DNA
<213> Homo sapiens

<400> 432
cagtcaggtg gatcacgagg tcaggagatc gatctcctga cctcgtgatc cgcccgcctc 60

<210> 433
<211> 60
<212> DNA
<213> Homo sapiens

<400> 433
gaggcgggcg gatcacgagg tcaggagatc gatctcctga cctcgtgatc cgcccgcctc 60

<210> 434
<211> 60
<212> DNA
<213> Homo sapiens

<400> 434
gggtttcacc ttgttagcca ggatggtctc gagaccatcc tggctaacac ggtgaaaccc 60

<210> 435
<211> 60
<212> DNA
<213> Homo sapiens

<400> 435
acactgatta aatcttaatt attccatttc gatccctcaa ggatcaggac tgtgttgcat 60

<210> 436
<211> 60
<212> DNA

<213> Homo sapiens

<400> 436
acactgatta aatcttaatt attccatttc gagggaataa tctcctaaac atttctggtg 60

<210> 437
<211> 60
<212> DNA
<213> Homo sapiens

<400> 437
cttgggccct atcttatgta tggagctgtc gagtttatgt tcttaccctt gtttctcttt 60

<210> 438
<211> 60
<212> DNA
<213> Homo sapiens

<400> 438
atgctaaatt atgtaaaatg gaatatgttc gagttcatag atactcaagg gcccctcagt 60

<210> 439
<211> 60
<212> DNA
<213> Homo sapiens

<400> 439
caacaatttt attaattttc aactttcatc gattttataa aattatcagt aataacctttt 60

<210> 440
<211> 60
<212> DNA
<213> Homo sapiens

<400> 440
gaggtgggca gatcacgagg tcaggagatc gatctcctga cctcgtgatc cgcccgcctc 60

<210> 441
<211> 60
<212> DNA
<213> Homo sapiens

<400> 441
gaggcgggcg gatcacgagg tcaggagatc gatctcccga cctcgtgatc cgcccgcctc 60

<210> 442
<211> 60
<212> DNA
<213> Homo sapiens

<400> 442
tgacaccata cattttattt ctcccttctc gagattttgt tattaagctt ccgtctcgtt 60

<210> 443
<211> 60
<212> DNA
<213> Homo sapiens

<400> 443
agtcctttat ttctgttaca atcttaaatc gagattttgt tattaagctt ccgtctcgtt 60

<210> 444
<211> 60
<212> DNA
<213> Homo sapiens

<400> 444
tacctttta gagctatgtc atgtatgttc gaacagagtt taccacagct ttgcagcgcg 60

<210> 445
<211> 60
<212> DNA
<213> Homo sapiens

<400> 445
tgtattctgt atcacttaga ctcttctttc gaagaaggaa tcttaaacaa gagaagcaag 60

<210> 446
<211> 60
<212> DNA
<213> Homo sapiens

<400> 446
agttgttttt ccttgaaaag ggtttacctc gacggttaca atttcagtat gcacgggact 60

<210> 447
<211> 60
<212> DNA
<213> Homo sapiens

<400> 447
ttaacctagc agatctggtt cttctggttc gaggtattta tatcaccttg agtattattt 60

<210> 448
<211> 60
<212> DNA
<213> Homo sapiens

<400> 448
cctaataaag aaaaaaaaat gagtcccttc gaagcacaaa gttacaggac atggcatcca 60

<210> 449
<211> 60
<212> DNA
<213> Homo sapiens

<400> 449
tcctttggcc tggtaatctt ttcaatattc gaagcacaaa gttacaggac atggcatcca 60

<210> 450
<211> 60
<212> DNA
<213> Homo sapiens

<400> 450
ctgctccatg tctgtattcc tactttattc gaaagcatct ttgtgtcatt gtccatgctc 60

<210> 451
<211> 60
<212> DNA
<213> Homo sapiens

<400> 451
cctaaactaa gcttgggctt aagatccatc gaaaggatac ttttatagga accaggctag 60

<210> 452
<211> 60
<212> DNA
<213> Homo sapiens

<400> 452
atatatatat atcacaatgc ctaagggatc gaatagcttt ttaagaacag tgtataaaat 60

<210> 453
<211> 60
<212> DNA
<213> Homo sapiens

<400> 453
ctctctgatt tgccacataa agtaggcatc gattccaaat aaattagttg gtgatgtgga 60

<210> 454
<211> 60
<212> DNA
<213> Homo sapiens

<400> 454
acttcatgca caagttaggt atttactctc gagattataa acattttcat ttggattttg 60

<210> 455
<211> 60
<212> DNA
<213> Homo sapiens

<400> 455
tgtttttttgg ctgcataaat gtcttctttc gaaataatca tcaaaatatt tttcattgac 60

<210> 456
<211> 60
<212> DNA
<213> Homo sapiens

<400> 456
caccccatc tccctttgct gactctcttc gatgaatcca ttttttttgga aatagatgat 60

<210> 457
<211> 60
<212> DNA
<213> Homo sapiens

<400> 457
caccccatc tccctttgct gactctcttc gaactgtggc aattttaact tttcaaattg 60

<210> 458
<211> 60
<212> DNA
<213> Homo sapiens

<400> 458
caccccatc tccctttgct gactctcttc gaggcatgat ttgagtcttg acagaagttc 60

<210> 459
<211> 60
<212> DNA
<213> Homo sapiens

<400> 459
tgccagtatt ttattgagga tttttgcatc gagattgggt tgcatcatgt tggccaggct 60

<210> 460
<211> 60
<212> DNA
<213> Homo sapiens

<400> 460
tgtttttgg ctgcataaat gtcttctttc gaactcatgg gcacaagcaa tcctcccacc 60

<210> 461
<211> 60
<212> DNA
<213> Homo sapiens

<400> 461
tgccagtatt ttattgagga tttttgcatc gaacagatgg agggaagagg ggatagctcc 60

<210> 462
<211> 60
<212> DNA
<213> Homo sapiens

<400> 462
tgccctagag atctgtggaa ctttgaactc gagtcaaaga gatatcaaga gcttctatca 60

<210> 463
<211> 60
<212> DNA
<213> Homo sapiens

<400> 463
caccccatc tccctttgct gactctcttc gagggcagaa tgagcctcag acatctccag 60

<210> 464
<211> 60
<212> DNA
<213> Homo sapiens

<400> 464
tctcctgcct gattgccctg ccagaacttc gatttgggct atagtgttgt tccagtctaa 60

<210> 465
<211> 60
<212> DNA
<213> Homo sapiens

<400> 465
caccccatc tccctttgct gactctcttc gatcttgaag agatctcttc ttagcaaagc 60

<210> 466
<211> 60
<212> DNA
<213> Homo sapiens

<400> 466
cacccccatc tccctttgct gactctcttc gaaatatttt tgcttgagct cctgtctcat 60

<210> 467
<211> 60
<212> DNA
<213> Homo sapiens

<400> 467
taggcgcaca tgcacacagc tcgcctcttc gacccaggaa gatccaaagg aggaactgag 60

<210> 468
<211> 60
<212> DNA
<213> Homo sapiens

<400> 468
cccccacccc catcccagga aattggtttc gatgagagaa ggcaagagaa catggggtct 60

<210> 469
<211> 60
<212> DNA
<213> Homo sapiens

<400> 469
tgccagtatt ttattgagga tttttgcatc gagttcaaag ttccacagat ctctagggca 60

<210> 470
<211> 60
<212> DNA
<213> Homo sapiens

<400> 470
ctaaaaatta catccaggaa atgagatatc gaaagaagac atttatgcag ccaaaaaaca 60

<210> 471
<211> 60
<212> DNA
<213> Homo sapiens

<400> 471
taggcgcaca tgcacacagc tcgcctcttc gatgtacaag ctgcctattg atagactttc 60

<210> 472
<211> 60
<212> DNA
<213> Homo sapiens

<400> 472
aaagttgtgc aatcaggcaa gtcaagattc gaaagaagac atttatgcag ccaaaaaaca 60

<210> 473
<211> 60
<212> DNA
<213> Homo sapiens

<400> 473
cacccccatc tccctttgct gactctcttc gagtggtgag cagccaaacc agggttcact 60

<210> 474

<211> 60
<212> DNA
<213> Homo sapiens

<400> 474
gggtcttgct atgttgccca ggctggcctc gagatcagcc tgggcaacac ggtgaaaacc 60

<210> 475
<211> 60
<212> DNA
<213> Homo sapiens

<400> 475
ctggtttagt cttgggagag tgtatgtgtc gagttaagcc atctgcaaat agcaagagag 60

<210> 476
<211> 60
<212> DNA
<213> Homo sapiens

<400> 476
agccttgcat cccagggatg aagcccactc gagatataga ttgagcccca gtttttggag 60

<210> 477
<211> 60
<212> DNA
<213> Homo sapiens

<400> 477
atcgtgtggg ctgtgtgtgg cagactgttc gaaatcggaa gcctctctga aggtccaagg 60

<210> 478
<211> 60
<212> DNA
<213> Homo sapiens

<400> 478
tgccagtatt ttattgagga tttttgcatc gaattcctgg gtttatatcc caatcattgt 60

<210> 479
<211> 60
<212> DNA
<213> Homo sapiens

<400> 479
caccccccatc tccctttgct gactctcttc gatattggtg tatattcaaa gggtacttga 60

<210> 480
<211> 60
<212> DNA
<213> Homo sapiens

<400> 480
tgatcactgt ttcctatgag gatacagctc gaggggcagg gggcggtcct gggccaggcg 60

<210> 481
<211> 60
<212> DNA
<213> Homo sapiens

<400> 481

aacttatgat tctaatcttg aatgtctgtc gatctatgag gaaatgcccc cagcctccca 60

<210> 482
<211> 60
<212> DNA
<213> Homo sapiens

<400> 482
cataatgcat gtgcatgaaa actaatcttc gatctatgag gaaatgcccc cagcctccca 60

<210> 483
<211> 60
<212> DNA
<213> Homo sapiens

<400> 483
atcagtaagc tggtcagcta cccatgaatc gatctatgag gaaatgcccc cagcctccca 60

<210> 484
<211> 60
<212> DNA
<213> Homo sapiens

<400> 484
gtgtcccaat ttctagtgca ctgtgaactc gacctcgcgg gaggggtgcc aggccgcatc 60

<210> 485
<211> 60
<212> DNA
<213> Homo sapiens

<400> 485
ccggggcttc tcgtttaaga attctttgtc gatctatgag gaaatgcccc cagcctccca 60

<210> 486
<211> 60
<212> DNA
<213> Homo sapiens

<400> 486
gtctttgaag aaggactaat gcttagtatc gagtgcagcg ccggtgggcc agcactgctg 60

<210> 487
<211> 60
<212> DNA
<213> Homo sapiens

<400> 487
gttcatttaa acattttatt atgtatattc gaggggccag gcttttatac ccccatctga 60

<210> 488
<211> 60
<212> DNA
<213> Homo sapiens

<400> 488
ttctccacag ccggccggtc cttggcagtc gaggggcagg gggcggtcct gggccaggcg 60

<210> 489
<211> 60

<212> DNA
<213> Homo sapiens

<400> 489
gcaacacata caacgactaa tcttcttttc gacgccgagg agctctgcag tgggggcgta 60

<210> 490
<211> 60
<212> DNA
<213> Homo sapiens

<400> 490
gtaggtgctg agtaagtgag cacttgcctc gaggggcagg gggcggtcct gggccaggcg 60

<210> 491
<211> 60
<212> DNA
<213> Homo sapiens

<400> 491
cagaaagacc ttgcaatcat acggtgcttc gacgccgagg agctctgcag tgggggcgta 60

<210> 492
<211> 60
<212> DNA
<213> Homo sapiens

<400> 492
tactgtgctg tgctcgtcaa agagtatgtc gatctatgag gaaatgcccc cagcctccca 60

<210> 493
<211> 60
<212> DNA
<213> Homo sapiens

<400> 493
cagaaattaa tcaaatgcaa gtgcaccctc gaccacccaa gggctgagga gtgcgggcac 60

<210> 494
<211> 60
<212> DNA
<213> Homo sapiens

<400> 494
aagggaccta gtcccctatt aagatttctc gaggggccag gcttttatac ccccatctga 60

<210> 495
<211> 60
<212> DNA
<213> Homo sapiens

<400> 495
cctgccgaga cacgggacgt gggattgctc gatctatgag gaaatgcccc cagcctccca 60

<210> 496
<211> 60
<212> DNA
<213> Homo sapiens

<400> 496
ccaaagctcg ctttcttaac cactatgctc gaggggccag gcttttatac ccccatctga 60

<210> 497
<211> 60
<212> DNA
<213> Homo sapiens

<400> 497
tgaattgtgt agcgtaagaa tttatatctc gaagtttgtg aactggcagg tggacgggga 60

<210> 498
<211> 60
<212> DNA
<213> Homo sapiens

<400> 498
acctgatctg gggaagatta ggaattgttc gaaaccaatt tcctgggatg ggggtggggg 60

<210> 499
<211> 60
<212> DNA
<213> Homo sapiens

<400> 499
gcaagaggat ctcttgaggc ccaggagttc gaggggccag gcttttatac ccccatctga 60

<210> 500
<211> 60
<212> DNA
<213> Homo sapiens

<400> 500
tatcaagtga tccaaaaggc tgccagtgtc gaggggcagg gggcggtcct gggccaggcg 60

<210> 501
<211> 60
<212> DNA
<213> Homo sapiens

<400> 501
aagggaccta gtcccctatt aagatttctc gaaaccaatt tcctgggatg ggggtggggg 60

<210> 502
<211> 60
<212> DNA
<213> Homo sapiens

<400> 502
tatggacttt gtagtctcat atcaaagctc gaaaccaatt tcctgggatg ggggtggggg 60

<210> 503
<211> 60
<212> DNA
<213> Homo sapiens

<400> 503
aaaaataatc tggctctaca cttaggattc gaaaccaatt tcctgggatg ggggtggggg 60

<210> 504
<211> 60
<212> DNA

<213> Homo sapiens

<400> 504
tgatcactgt ttcctatgag gatacagctc gaggggcagg gggcggtcct gggccaggcg 60

<210> 505
<211> 60
<212> DNA
<213> Homo sapiens

<400> 505
aacctggaga acgccaagcg cttcgccatc gaggggcagg gggcggtcct gggccaggcg 60

<210> 506
<211> 60
<212> DNA
<213> Homo sapiens

<400> 506
ctacctttgt ggcacttggt acagcaaatc gacgggcccc gtgaggcggg ggcgggaccc 60

<210> 507
<211> 60
<212> DNA
<213> Homo sapiens

<400> 507
catcaattat aactcacctt acagatcatc gacgggcccc gtgaggcggg ggcgggaccc 60

<210> 508
<211> 60
<212> DNA
<213> Homo sapiens

<400> 508
tgatcactgt ttcctatgag gatacagctc gaagattagg taaaggtggg gacgcggaga 60

<210> 509
<211> 60
<212> DNA
<213> Homo sapiens

<400> 509
gaaaggtaat tgcccccaat atttattttc gaaacagatc gggcggctcg ggttacacac 60

<210> 510
<211> 60
<212> DNA
<213> Homo sapiens

<400> 510
ttctccacag ccggccggtc cttggcagtc gaggggcagg gggcggtcct gggccaggcg 60

<210> 511
<211> 60
<212> DNA
<213> Homo sapiens

<400> 511
cgtgtcccaa tttctagtgc actgtgaact cgacctcgcg ggaggggtgc caggccgcat 60

<210> 512
<211> 60
<212> DNA
<213> Homo sapiens

<400> 512
cctctcttct aaaaggtctc aacatcactc gactggagag cccggggcct cgcgccgctt 60

<210> 513
<211> 60
<212> DNA
<213> Homo sapiens

<400> 513
gtttcccctt gatgctcaga gaaaggcctc gaaacagatc gggcggctcg ggttacacac 60

<210> 514
<211> 60
<212> DNA
<213> Homo sapiens

<400> 514
cataatgcat gtgcatgaaa actaatcttc gatctatgag gaaatgcccc cagcctccca 60

<210> 515
<211> 60
<212> DNA
<213> Homo sapiens

<400> 515
agatgtgtaa gtcaccaggg agtgcattcg cgacctcgcg ggaggggtgc caggccgcat 60

<210> 516
<211> 60
<212> DNA
<213> Homo sapiens

<400> 516
gtaatggtgc catcatagct caagctcctc gatctatgag gaaatgcccc cagcctccca 60

<210> 517
<211> 60
<212> DNA
<213> Homo sapiens

<400> 517
aatacaaagg atggtatatt ttgcatattc gatctatgag gaaatgcccc cagcctccca 60

<210> 518
<211> 60
<212> DNA
<213> Homo sapiens

<400> 518
cctctcttct aaaaggtctc aacatcactc gatggtgcgg gaggtggccg gcagggttgg 60

<210> 519
<211> 60
<212> DNA
<213> Homo sapiens

<400> 519
ataattcttc ctggcacata ataagtattc gaatcgggcg ggttccggcg tgggtttcag 60

<210> 520
<211> 60
<212> DNA
<213> Homo sapiens

<400> 520
tctaaaggga tttccactat atgtagattc gaggggcgtg tgcgcgcgtg gcggggcccg 60

<210> 521
<211> 60
<212> DNA
<213> Homo sapiens

<400> 521
aacttatgat tctaatcttg aatgtctgtc gatctatgag gaaatgcccc cagcctccca 60

<210> 522
<211> 60
<212> DNA
<213> Homo sapiens

<400> 522
gaggtgggca gatcacgggg tcagggtatc gaggcccatc actggcgggg agacgggagg 60

<210> 523
<211> 60
<212> DNA
<213> Homo sapiens

<400> 523
actgaatatg aaaaaaaatg taaaaattat cgacctcgcg ggaggggtgc caggccgcat 60

<210> 524
<211> 60
<212> DNA
<213> Homo sapiens

<400> 524
gattttatag caaatttaca aaaatgagtc gatctatgag gaaatgcccc cagcctccca 60

<210> 525
<211> 60
<212> DNA
<213> Homo sapiens

<400> 525
accaagagtt ggacccccct tttgatgttc gatggtgcgg gaggtggccg gcagggttgg 60

<210> 526
<211> 60
<212> DNA
<213> Homo sapiens

<400> 526
tatattgcta tctactagca aaggataatc gaagaggttc agggcggtgc ccgcggcgct 60

<210> 527
<211> 60
<212> DNA
<213> Homo sapiens

<400> 527
atcagtaagc tggtcagcta cccatgaatc gatctatgag gaaatgcccc cagcctccca 60

<210> 528
<211> 60
<212> DNA
<213> Homo sapiens

<400> 528
tgaaaacagt tcatcctgag tttcagtctc gaagattagg taaaggtggg gacgcggaga 60

<210> 529
<211> 60
<212> DNA
<213> Homo sapiens

<400> 529
gtgcagagcg agagcggggc agaggcggtc gaaactggga gaattcatct gaaatgatta 60

<210> 530
<211> 60
<212> DNA
<213> Homo sapiens

<400> 530
gaggcaggca gatcatgagg tcaggagttc gagccctgga ccccaggcca gctaatgagg 60

<210> 531
<211> 60
<212> DNA
<213> Homo sapiens

<400> 531
gctcactgca acctccacct cccaggttcg cgaacctcct gataacttca gcattaacag 60

<210> 532
<211> 60
<212> DNA
<213> Homo sapiens

<400> 532
agggtcttgc tatgttgccc aggctggcct cgagatcagc ctgggcaaca cggtgaaaac 60

<210> 533
<211> 60
<212> DNA
<213> Homo sapiens

<400> 533
tgtaatataa gcatagctca ctgcagcctc gaagcatttg tacgacattc tcatcttctt 60

<210> 534
<211> 60
<212> DNA
<213> Homo sapiens

<400> 534
acagaggagc gaggcccgat ccttactttc gaactcctga cctcgtgatc tgcccacctc 60

<210> 535
<211> 60
<212> DNA
<213> Homo sapiens

<400> 535
gggtttcacc atgttagcca ggatggtctc gatctcctga cctcatgatc cgcctgcctc 60

<210> 536
<211> 60
<212> DNA
<213> Homo sapiens

<400> 536
gcatttcacc atgttggtga ggctggtctc gaagagttca cacgtgtcca aatttggtgg 60

<210> 537
<211> 60
<212> DNA
<213> Homo sapiens

<400> 537
ctgggatcac aggcatgtgc caccatgctc gacaagaata gtctccttgt ttctgaacat 60

<210> 538
<211> 60
<212> DNA
<213> Homo sapiens

<400> 538
cgaggcgggc ggatcacgag gtcaggagat cgacccccac gttctcacca cctgtttctt 60

<210> 539
<211> 60
<212> DNA
<213> Homo sapiens

<400> 539
gtatttctgg ttctagatcc ttgaggaatc gacctcctgg gctcaaccta tcctcccacc 60

<210> 540
<211> 60
<212> DNA
<213> Homo sapiens

<400> 540
gggtttcact gtgttagcca ggatggtctc gacctccctg gctcaagtga tcttcccacc 60

<210> 541
<211> 60
<212> DNA
<213> Homo sapiens

<400> 541
tgccctagag atctgtggaa ctttgaactc gatatatgaa aatagttttt taattataaa 60

<210> 542

<211> 60
<212> DNA
<213> Homo sapiens

<400> 542
ggtgggggaa tcacttgagg tcagaagttc gagaccatcc tgggcaacat ggtaaaaccc 60

<210> 543
<211> 60
<212> DNA
<213> Homo sapiens

<400> 543
aatggcacga tcacggctca ctgcagcctc gaatgttact gacagtggac acagtaagaa 60

<210> 544
<211> 60
<212> DNA
<213> Homo sapiens

<400> 544
gagttttgcc atgttgccca ggctggtctc gagaacagcc tggccaacat ggtgaaaccc 60

<210> 545
<211> 60
<212> DNA
<213> Homo sapiens

<400> 545
aggtctcact atgttgcccg ggctggtctc gacgccgagg agctctgcag tgggggcgta 60

<210> 546
<211> 60
<212> DNA
<213> Homo sapiens

<400> 546
gggtttcacc atgttggcga ggctggtctc gaactcctga cctcaggtga tccgcctgcc 60

<210> 547
<211> 60
<212> DNA
<213> Homo sapiens

<400> 547
ggtgggtgga tcacctgagg tcaggagttc gacctaaggg tggtcataat tctgctgctg 60

<210> 548
<211> 60
<212> DNA
<213> Homo sapiens

<400> 548
gggtctcaca gccttcagag ctgagagcct aggcttcagt gagccataat cacgccacta 60

<210> 549
<211> 60
<212> DNA
<213> Homo sapiens

<400> 549

ctttgggagg ccaaggtgag tggattgctc gacatctcat ttgataggat taagtcaacg 60

<210> 550
<211> 60
<212> DNA
<213> Homo sapiens

<400> 550
aggtctcact atgttgcccg ggctggtctc gaacagcagc gtgtgcgccg acagcgcgcc 60

<210> 551
<211> 60
<212> DNA
<213> Homo sapiens

<400> 551
tctgtcgccc aggttggagt acagtggctc gaggatgtcc tattttgcca ccttatctaa 60

<210> 552
<211> 60
<212> DNA
<213> Homo sapiens

<400> 552
ttatatctcc tacctccaag cctggcagtc gattccaaag tgaagcaaaa aaaaaacttc 60

<210> 553
<211> 60
<212> DNA
<213> Homo sapiens

<400> 553
aaagaccctg tctctaaata aatagaacat cgagatcatg ccactgcact ccagcctggg 60

<210> 554
<211> 60
<212> DNA
<213> Homo sapiens

<400> 554
ggggtttttc catgttagtc aggctggtct aatggctccc ttaccttgct ggctgtgggc 60

<210> 555
<211> 60
<212> DNA
<213> Homo sapiens

<400> 555
agtggcatga tcacagctca ctgccacctc gaaaccaaac cctgtgactt caacacccaa 60

<210> 556
<211> 60
<212> DNA
<213> Homo sapiens

<400> 556
ccctccctca acatgcaggg attacaattc gaagatggtc tgaaggaagc aattgggaaa 60

<210> 557
<211> 60

<212> DNA
<213> Homo sapiens

<400> 557
agaaaatata gtattgattg ctttcaagtc gatgcgcgcc cgccggggcc cggtcggagc 60

<210> 558
<211> 60
<212> DNA
<213> Homo sapiens

<400> 558
tactgtagta agttctctga ggaggatatc gatttttat tgtatcctat atttttcta 60

<210> 559
<211> 60
<212> DNA
<213> Homo sapiens

<400> 559
tactgtagta agttctctga ggaggatatc gaagtcttgg attaaggttc attcaacaaa 60

<210> 560
<211> 60
<212> DNA
<213> Homo sapiens

<400> 560
cacttcccca acataagcct cggtctcttc gagggcgggc ccggcggccc cggagcaaac 60

<210> 561
<211> 60
<212> DNA
<213> Homo sapiens

<400> 561
gagttcagcg tgccgccggg cgtgaaagtc gaggcatatt tgagtttagg gaggtgttgc 60

<210> 562
<211> 60
<212> DNA
<213> Homo sapiens

<400> 562
gagttcagcg tgccgccggg cgtgaaagtc gactctgggc ccagaccaca gaaggagggg 60

<210> 563
<211> 60
<212> DNA
<213> Homo sapiens

<400> 563
gagttcagcg tgccgccggg cgtgaaagtc gatttgttta tggttttatc cccagtgcct 60

<210> 564
<211> 60
<212> DNA
<213> Homo sapiens

<400> 564
tttgttgaat gaaccttaat ccaagacttc gatttttat tgtatcctat atttttcta 60

<210> 565
<211> 60
<212> DNA
<213> Homo sapiens

<400> 565
ttccatagat tacttttcaa atcatccttc gaagctggcg gctgagggcc cggcgccaag 60

<210> 566
<211> 60
<212> DNA
<213> Homo sapiens

<400> 566
gtttgctccg gggccgccgg gcccgccctc gattttaaca ccaccatggt ttgaatgaat 60

<210> 567
<211> 60
<212> DNA
<213> Homo sapiens

<400> 567
tccattgtct tattccagtc taggcttgtc gagttgcagg ccgccctggt ggctagacat 60

<210> 568
<211> 60
<212> DNA
<213> Homo sapiens

<400> 568
aaaaaacaat tatgtaattg aaaacccatc gaggggctta ctaatgcctt ttagctccct 60

<210> 569
<211> 60
<212> DNA
<213> Homo sapiens

<400> 569
gacccccggg aattggctcc agcacatctc gagggcgggc ccggcggccc cggagcaaac 60

<210> 570
<211> 60
<212> DNA
<213> Homo sapiens

<400> 570
aaaaaacaat tatgtaattg aaaacccatc gaagctcttt ggttccacag agtgattctg 60

<210> 571
<211> 60
<212> DNA
<213> Homo sapiens

<400> 571
aggcattcgt tcttcagctc ttctataatc gatttttat tgtatcctat atttttcta 60

<210> 572
<211> 60
<212> DNA

<213> Homo sapiens

<400> 572
gctcttataa attatgtatt caaagaaatc gagttgcagg ccgccctggt ggctagacat 60

<210> 573
<211> 60
<212> DNA
<213> Homo sapiens

<400> 573
cccgcggcgg agctgctact gtttactttc gaagcttctt cctttcggcc cccaggccta 60

<210> 574
<211> 60
<212> DNA
<213> Homo sapiens

<400> 574
gctcttataa attatgtatt caaagaaatc gaactggcgg caaccgctgc agcgcctgct 60

<210> 575
<211> 60
<212> DNA
<213> Homo sapiens

<400> 575
aaaaaacaat tatgtaattg aaaacccatc gaggggctta ctaatgcctt ttagctccct 60

<210> 576
<211> 60
<212> DNA
<213> Homo sapiens

<400> 576
tctcctgcct accacactgt gagaaagctc gagggcgggc ccggcggccc cggagcaaac 60

<210> 577
<211> 60
<212> DNA
<213> Homo sapiens

<400> 577
gagttcagcg tgccgccggg cgtgaaagtc gaattctccc aggagccact gtcagaaccc 60

<210> 578
<211> 60
<212> DNA
<213> Homo sapiens

<400> 578
ccgcgcccgc agggcccgcc ccgcgccgtc gacaatgtta ttctttgttt ctcttaccaa 60

<210> 579
<211> 60
<212> DNA
<213> Homo sapiens

<400> 579
gaaggcccgg tgcgcccagc tgtgctcctc gagaacagcc aggctaacac ggagaaaccc 60

<210> 580
<211> 60
<212> DNA
<213> Homo sapiens

<400> 580
tccattgtct tattccagtc taggcttgtc gaactggcgg caaccgctgc agcgcctgct 60

<210> 581
<211> 60
<212> DNA
<213> Homo sapiens

<400> 581
ccgcgcccgc agggcccgcc ccgcgccgtc gatgtgttgg aagtcagggc ggcggtgccc 60

<210> 582
<211> 60
<212> DNA
<213> Homo sapiens

<400> 582
ccgcgcccgc agggcccgcc ccgcgccgtc gaggctttca agggatccag ggtggggtgc 60

<210> 583
<211> 60
<212> DNA
<213> Homo sapiens

<400> 583
ccgcgcccgc agggcccgcc ccgcgccgtc gacaatgtta ttctttgttt ctcttaccaa 60

<210> 584
<211> 60
<212> DNA
<213> Homo sapiens

<400> 584
ccgcgcccgc agggcccgcc ccgcgccgtc gatgtgttgg aagtcagggc ggcggtgccc 60

<210> 585
<211> 60
<212> DNA
<213> Homo sapiens

<400> 585
cacttcccca acataagcct cggtctcttc gagggcgggc ccggcggccc cggagcaaac 60

<210> 586
<211> 60
<212> DNA
<213> Homo sapiens

<400> 586
ccgcgcccgc agggcccgcc ccgcgccgtc gagaagcata aagcagggac aggtatggag 60

<210> 587
<211> 60
<212> DNA
<213> Homo sapiens

<400> 587
gacccccggg aattggctcc agcacatctc gagggcgggc ccggcggccc cggagcaaac 60

<210> 588
<211> 60
<212> DNA
<213> Homo sapiens

<400> 588
gtttgctccg gggccgccgg gcccgccctc gattttaaca ccaccatggt ttgaatgaat 60

<210> 589
<211> 60
<212> DNA
<213> Homo sapiens

<400> 589
gtgtctcggc cccctggggc cccacccttc gatttccctg ttgccgccgc gtttgcaaga 60

<210> 590
<211> 60
<212> DNA
<213> Homo sapiens

<400> 590
tctcctgcct accacactgt gagaaagctc gagggcgggc ccggcggccc cggagcaaac 60

<210> 591
<211> 60
<212> DNA
<213> Homo sapiens

<400> 591
gagttcagcg tgccgccggg cgtgaaagtc gaggcatatt tgagtttagg gaggtgttgc 60

<210> 592
<211> 60
<212> DNA
<213> Homo sapiens

<400> 592
gggcaccgcc gccctgactt ccaacacatc gatctctgcc tcgcgcagcc ccagcgtgcg 60

<210> 593
<211> 60
<212> DNA
<213> Homo sapiens

<400> 593
ccacccccgc cccgggggag tcgcccggtc gatttccaaa agctcacaca tgggtgcaca 60

<210> 594
<211> 60
<212> DNA
<213> Homo sapiens

<400> 594
gggcaccgcc gccctgactt ccaacacatc gaagaatggg tggggccttg cacctcatac 60

<210> 595
<211> 60
<212> DNA
<213> Homo sapiens

<400> 595
ccacccccgc cccgggggag tcgcccggtc gacccccctga catggggctg cctggagcag 60

<210> 596
<211> 60
<212> DNA
<213> Homo sapiens

<400> 596
gggcaccgcc gccctgactt ccaacacatc gagaagcata aagcagggac aggtatggag 60

<210> 597
<211> 60
<212> DNA
<213> Homo sapiens

<400> 597
gagttcagcg tgccgccggg cgtgaaagtc gactctgggc ccagaccaca gaaggagggg 60

<210> 598
<211> 60
<212> DNA
<213> Homo sapiens

<400> 598
aattctgttg gaagaataat ttaaaatatc gatgtggcga ccggctgtgg gggtcacgga 60

<210> 599
<211> 60
<212> DNA
<213> Homo sapiens

<400> 599
ttccatagat tacttttcaa atcatccttc gaagctggcg gctgagggcc cggcgccaag 60

<210> 600
<211> 60
<212> DNA
<213> Homo sapiens

<400> 600
gagttcagcg tgccgccggg cgtgaaagtc gatttgttta tggttttatc cccagtgcct 60

<210> 601
<211> 60
<212> DNA
<213> Homo sapiens

<400> 601
caccctccct tcttcctggg ccctcagatc gacccccccc acccccaccg ggctggctgc 60

<210> 602
<211> 60
<212> DNA
<213> Homo sapiens

<400> 602
ccacccccgc cccgggggag tcgcccggtc gagggcctgg caagaagaca gaagccgact 60

<210> 603
<211> 60
<212> DNA
<213> Homo sapiens

<400> 603
tatgagtaat aattacaatt tccccctttc gacctccagg tcccccgcca cttccacggc 60

<210> 604
<211> 60
<212> DNA
<213> Homo sapiens

<400> 604
cagaaactgc tggttgggct catacttttc gagggccagc tccccgcacc cccaccaagc 60

<210> 605
<211> 60
<212> DNA
<213> Homo sapiens

<400> 605
ttcccctgta agattcattt cctgtgattc gagtcacagc tgtagtgggg tgggggtga 60

<210> 606
<211> 60
<212> DNA
<213> Homo sapiens

<400> 606
tctttgttac tggaatatac gaataaaatc gatgtggcga ccggctgtgg gggtcacgga 60

<210> 607
<211> 60
<212> DNA
<213> Homo sapiens

<400> 607
ccgcgcccgc agggcccgcc ccgcgccgtc gaggctttca agggatccag ggtggggtgc 60

<210> 608
<211> 60
<212> DNA
<213> Homo sapiens

<400> 608
ccgcgcccgc agggcccgcc ccgcgccgtc gacaatgtta ttctttgttt ctcttaccaa 60

<210> 609
<211> 60
<212> DNA
<213> Homo sapiens

<400> 609
ccgcgcccgc agggcccgcc ccgcgccgtc gatgtgttgg aagtcagggc ggcggtgccc 60

<210> 610

<211> 60
<212> DNA
<213> Homo sapiens

<400> 610
cacttcccca acataagcct cggtctcttc gagggcgggc ccggcggccc cggagcaaac 60

<210> 611
<211> 60
<212> DNA
<213> Homo sapiens

<400> 611
ccgcgcccgc agggcccgcc ccgcgccgtc gagaagcata aagcagggac aggtatggag 60

<210> 612
<211> 60
<212> DNA
<213> Homo sapiens

<400> 612
gacccccggg aattggctcc agcacatctc gagggcgggc ccggcggccc cggagcaaac 60

<210> 613
<211> 60
<212> DNA
<213> Homo sapiens

<400> 613
gtttgctccg gggccgccgg gcccgccctc gattttaaca ccaccatggt ttgaatgaat 60

<210> 614
<211> 60
<212> DNA
<213> Homo sapiens

<400> 614
gtgtctcggc cccctggggc cccacccttc gatttccctg ttgccgccgc gtttgcaaga 60

<210> 615
<211> 60
<212> DNA
<213> Homo sapiens

<400> 615
tctcctgcct accacactgt gagaaagctc gagggcgggc ccggcggccc cggagcaaac 60

<210> 616
<211> 60
<212> DNA
<213> Homo sapiens

<400> 616
gagttcagcg tgccgccggg cgtgaaagtc gaggcatatt tgagtttagg gaggtgttgc 60

<210> 617
<211> 60
<212> DNA
<213> Homo sapiens

<400> 617

gggcaccgcc gccctgactt ccaacacatc gatctctgcc tcgcgcagcc ccagcgtgcg 60

<210> 618
<211> 60
<212> DNA
<213> Homo sapiens

<400> 618
ccacccccgc cccgggggag tcgcccggtc gatttccaaa agctcacaca tgggtgcaca 60

<210> 619
<211> 60
<212> DNA
<213> Homo sapiens

<400> 619
gggcaccgcc gccctgactt ccaacacatc gaagaatggg tggggccttg cacctcatac 60

<210> 620
<211> 60
<212> DNA
<213> Homo sapiens

<400> 620
ccacccccgc cccgggggag tcgcccggtc gacccctga catggggctg cctggagcag 60

<210> 621
<211> 60
<212> DNA
<213> Homo sapiens

<400> 621
gggcaccgcc gccctgactt ccaacacatc gagaagcata aagcagggac aggtatggag 60

<210> 622
<211> 60
<212> DNA
<213> Homo sapiens

<400> 622
gagttcagcg tgccgccggg cgtgaaagtc gactctgggc ccagaccaca gaaggagggg 60

<210> 623
<211> 60
<212> DNA
<213> Homo sapiens

<400> 623
aattctgttg gaagaataat ttaaaatatc gatgtggcga ccggctgtgg gggtcacgga 60

<210> 624
<211> 60
<212> DNA
<213> Homo sapiens

<400> 624
ttccatagat tacttttcaa atcatccttc gaagctggcg gctgagggcc cggcgccaag 60

<210> 625
<211> 60

<212> DNA
<213> Homo sapiens

<400> 625
gagttcagcg tgccgccggg cgtgaaagtc gatttgttta tggttttatc cccagtgcct 60

<210> 626
<211> 60
<212> DNA
<213> Homo sapiens

<400> 626
caccctccct tcttcctggg ccctcagatc gacccccccc acccccaccg ggctggctgc 60

<210> 627
<211> 60
<212> DNA
<213> Homo sapiens

<400> 627
ccacccccgc cccgggggag tcgcccggtc gagggcctgg caagaagaca gaagccgact 60

<210> 628
<211> 60
<212> DNA
<213> Homo sapiens

<400> 628
tatgagtaat aattacaatt tccccctttc gacctccagg tcccccgcca cttccacggc 60

<210> 629
<211> 60
<212> DNA
<213> Homo sapiens

<400> 629
cagaaactgc tggttgggct catacttttc gagggccagc tccccgcacc cccaccaagc 60

<210> 630
<211> 60
<212> DNA
<213> Homo sapiens

<400> 630
ttcccctgta agattcattt cctgtgattc gagtcacagc tgtagtgggg tgggggtga 60

<210> 631
<211> 60
<212> DNA
<213> Homo sapiens

<400> 631
tctttgttac tggaatatac gaataaaatc gatgtggcga ccggctgtgg gggtcacgga 60

<210> 632
<211> 60
<212> DNA
<213> Homo sapiens

<400> 632
aaggcaggca gatcaggagc tcaagagatc gaaagaaaaa aaaaaaagca taaaaatcca 60

<210> 633
<211> 60
<212> DNA
<213> Homo sapiens

<400> 633
aaggcaggca gatcaggagc tcaagagatc gaacgctaag tgtagtttaa cacctactag 60

<210> 634
<211> 60
<212> DNA
<213> Homo sapiens

<400> 634
atagtaaaat gtgaaaatgt tacagttatc gaagttcagc gagtatattt ttactgatac 60

<210> 635
<211> 60
<212> DNA
<213> Homo sapiens

<400> 635
aaggcccaag aaccaggaat ctaggtattc gaaaagccct aaagttggct taataaactt 60

<210> 636
<211> 60
<212> DNA
<213> Homo sapiens

<400> 636
ggtgggcaga tcacttaagg ccaggaattc gaatgcaaaa ctcactaccc actggtaaga 60

<210> 637
<211> 60
<212> DNA
<213> Homo sapiens

<400> 637
ggtgggcaga tcacttaagg ccaggaattc gattctatca actctagaat ttttttaaat 60

<210> 638
<211> 60
<212> DNA
<213> Homo sapiens

<400> 638
aaggcaggca gatcaggagc tcaagagatc gaggtaaatg tgggggttct agaacccagt 60

<210> 639
<211> 60
<212> DNA
<213> Homo sapiens

<400> 639
ggtgggcaga tcacttaagg ccaggaattc gaaattcttt cctaatgcca agtgtgttat 60

<210> 640
<211> 60
<212> DNA

<213> Homo sapiens

<400> 640
ggtcccctga tttccatcct agtgcttctc gaaacatgtg ctctggagat aaagcgccaa 60

<210> 641
<211> 60
<212> DNA
<213> Homo sapiens

<400> 641
ggtgggcaga tcacttaagg ccaggaattc gatattcaat aaaagaccgg atgtgcaaag 60

<210> 642
<211> 60
<212> DNA
<213> Homo sapiens

<400> 642
ggtgggcaga tcacttaagg ccaggaattc gagaaatggt ttatccaatt catccaaaat 60

<210> 643
<211> 60
<212> DNA
<213> Homo sapiens

<400> 643
ggtgggcaga tcacttaagg ccaggaattc gagagactgt aaagacatgt gtctgcctct 60

<210> 644
<211> 60
<212> DNA
<213> Homo sapiens

<400> 644
ggtgggcaga tcacttaagg ccaggaattc gatcacttct taaaggccct acctcttaat 60

<210> 645
<211> 60
<212> DNA
<213> Homo sapiens

<400> 645
gttgggttga agatgaaatc ataggaagtc gagctgtaac ctctgcttgg tattctccct 60

<210> 646
<211> 60
<212> DNA
<213> Homo sapiens

<400> 646
ggtgggcaga tcacttaagg ccaggaattc gaaacaccag ctctcttaaa tcctgtgcct 60

<210> 647
<211> 60
<212> DNA
<213> Homo sapiens

<400> 647
ggtgggcaga tcacttaagg ccaggaattc gaggaaaacc tcggggcaaa atagggaaag 60

<210> 648
<211> 60
<212> DNA
<213> Homo sapiens

<400> 648
tgagaatgga atagatcaaa gggagggttc gagacaaggt ctcactttat cacccaacct 60

<210> 649
<211> 60
<212> DNA
<213> Homo sapiens

<400> 649
ggtgggcaga tcacttaagg ccaggaattc gactgtgtgc ccatgaagaa agaagatggg 60

<210> 650
<211> 60
<212> DNA
<213> Homo sapiens

<400> 650
agtgatagaa gagggacaag gtggcagttc gattttaaaa cacgctcttc aataaaaaga 60

<210> 651
<211> 60
<212> DNA
<213> Homo sapiens

<400> 651
agcaggggga tcacataagg ccaggagttc gataaaataa attagagaag atataaataa 60

<210> 652
<211> 60
<212> DNA
<213> Homo sapiens

<400> 652
ggtgggcaga tcacttaagg ccaggaattc gatttctctg cttctctcac agcccacatc 60

<210> 653
<211> 60
<212> DNA
<213> Homo sapiens

<400> 653
tctttgcaga tgttgtaaga taaggatgtc gaaaagccct aaagttggct taataaactt 60

<210> 654
<211> 60
<212> DNA
<213> Homo sapiens

<400> 654
ggtcccctga tttccatcct agtgcttctc gatgatataa tactctgctg actacatttt 60

<210> 655
<211> 60
<212> DNA
<213> Homo sapiens

<400> 655
aaggcccaag aaccaggaat ctaggtattc gaccacctta aaagaaaaat ctcttggaac 60

<210> 656
<211> 60
<212> DNA
<213> Homo sapiens

<400> 656
agcaggggga tcacataagg ccaggagttc gatgaacgtt tacccaatta tttctaaaca 60

<210> 657
<211> 60
<212> DNA
<213> Homo sapiens

<400> 657
gatgcggact gtttcctgct ttgatttatc gacttcttat ttctattttg tgacttagga 60

<210> 658
<211> 60
<212> DNA
<213> Homo sapiens

<400> 658
gatgcggact gtttcctgct ttgatttatc gacacagtgt gtctgaagtt tggggtggta 60

<210> 659
<211> 60
<212> DNA
<213> Homo sapiens

<400> 659
gatgcggact gtttcctgct ttgatttatc gatatctccc tcctttcgct tcttcctttc 60

<210> 660
<211> 60
<212> DNA
<213> Homo sapiens

<400> 660
gatgcggact gtttcctgct ttgatttatc gagtcattaa gagactctcc gcctgggtgg 60

<210> 661
<211> 60
<212> DNA
<213> Homo sapiens

<400> 661
ttccacctgt aatactgtgc ctgtattctc gactcttctc gccctcttct ccagctctct 60

<210> 662
<211> 60
<212> DNA
<213> Homo sapiens

<400> 662
taaagtactg tgtcccacat ataagtactc gaccaagaaa ttcattctta cctcctaaga 60

<210> 663
<211> 60
<212> DNA
<213> Homo sapiens

<400> 663
accccaccaa tctataataa gattgatttc gacacaaggg tttgtaacaa aaaacaaaaa 60

<210> 664
<211> 60
<212> DNA
<213> Homo sapiens

<400> 664
agcgctttat ttgtcaggac gatagacctc gacaatgtcc tattcttcca gaaactcatt 60

<210> 665
<211> 60
<212> DNA
<213> Homo sapiens

<400> 665
ttattacttt attctgactg aatatcattc gaaagaaacc aaaaacacaa gtatacatca 60

<210> 666
<211> 60
<212> DNA
<213> Homo sapiens

<400> 666
tatcctttgg tttagaagta tttcttattc gacaaaattt taacatgtta tgcagttaca 60

<210> 667
<211> 60
<212> DNA
<213> Homo sapiens

<400> 667
ttcagctatt cactggtttt tcttcagatc gactcctgct tccctcccct catctttaaa 60

<210> 668
<211> 60
<212> DNA
<213> Homo sapiens

<400> 668
tccagtacaa taaacaatgt accaaagatc gacaaaattt taacatgtta tgcagttaca 60

<210> 669
<211> 60
<212> DNA
<213> Homo sapiens

<400> 669
taaactctga cattgcctat tagcattctc gaatgcatgg ctcactgtaa cctccaactc 60

<210> 670
<211> 60
<212> DNA
<213> Homo sapiens

<400> 670
tatcctttgg tttagaagta tttcttattc gacaactact ggcttaaaaa aggcaaaaca 60

<210> 671
<211> 60
<212> DNA
<213> Homo sapiens

<400> 671
tacctccttg ggaacatatt tgagagtttc gactcctgct tccctcccct catctttaaa 60

<210> 672
<211> 60
<212> DNA
<213> Homo sapiens

<400> 672
acacttgatt tttgctttcc aagctgactc gagacatcta agaaggtcca gccagatgtt 60

<210> 673
<211> 60
<212> DNA
<213> Homo sapiens

<400> 673
gcgccctatt tccaccttgt gccttctgtc gacacaccaa gatgtcacgg aggagtctgt 60

<210> 674
<211> 60
<212> DNA
<213> Homo sapiens

<400> 674
ccagctgaag tttcgcaggt cccctgcttc gagtaggcca atcccatttt tggcgaaaac 60

<210> 675
<211> 60
<212> DNA
<213> Homo sapiens

<400> 675
tacctccttg ggaacatatt tgagagtttc gactcctgct tccctcccct catctttaaa 60

<210> 676
<211> 60
<212> DNA
<213> Homo sapiens

<400> 676
acacttgatt tttgctttcc aagctgactc gagacatcta agaaggtcca gccagatgtt 60

<210> 677
<211> 60
<212> DNA
<213> Homo sapiens

<400> 677
gcgccctatt tccaccttgt gccttctgtc gacacaccaa gatgtcacgg aggagtctgt 60

<210> 678

<211> 60
<212> DNA
<213> Homo sapiens

<400> 678
ccagctgaag tttcgcaggt cccctgcttc gagtaggcca atcccatttt tggcgaaaac 60

<210> 679
<211> 60
<212> DNA
<213> Homo sapiens

<400> 679
actttggctc aagagtgaag atattcagtc gactcctgct tccctcccct catctttaaa 60

<210> 680
<211> 60
<212> DNA
<213> Homo sapiens

<400> 680
ttccttaggc aagtcatcca attccatgtc gacacaaggg tttgtaacaa aaaacaaaaa 60

<210> 681
<211> 60
<212> DNA
<213> Homo sapiens

<400> 681
tcttaggagg taagaatgaa tttcttggtc gaactcctga ccaggaggct gggagggggt 60

<210> 682
<211> 60
<212> DNA
<213> Homo sapiens

<400> 682
catcatttta ataggtgcaa gagttccgtc gaacgcccat acctgtggga atcaagcaat 60

<210> 683
<211> 60
<212> DNA
<213> Homo sapiens

<400> 683
aaaaacaaaa aagccaattc tgtacccctc gaaccagccc tggctctgtc cccagacctt 60

<210> 684
<211> 60
<212> DNA
<213> Homo sapiens

<400> 684
gcgccctatt tccaccttgt gccttctgtc gagacatcta agaaggtcca gccagatgtt 60

<210> 685
<211> 60
<212> DNA
<213> Homo sapiens

<400> 685

ttgattattt caggttgaca gctgtaaatc gactcctgct tccctcccct catctttaaa 60

<210> 686
<211> 21
<212> DNA
<213> Homo sapiens

<400> 686
ggaacctcgc tgtccataaa c 21

<210> 687
<211> 24
<212> DNA
<213> Homo sapiens

<400> 687
tctgtatgca agtcctgatg tttc 24

<210> 688
<211> 22
<212> DNA
<213> Homo sapiens

<400> 688
ggtaggagtg tgccttatta ac 22

<210> 689
<211> 21
<212> DNA
<213> Homo sapiens

<400> 689
gaggctgtta ggcattctaa g 21

<210> 690
<211> 22
<212> DNA
<213> Homo sapiens

<400> 690
gaaaccaacc ctatctgtaa ac 22

<210> 691
<211> 18
<212> DNA
<213> Homo sapiens

<400> 691
aaagaaagga ggctgtgg 18

<210> 692
<211> 19
<212> DNA
<213> Homo sapiens

<400> 692
gctctggact gcctttaac 19

<210> 693
<211> 22

<212> DNA
<213> Homo sapiens

<400> 693
aagtcagact cctcttctct ac 22

<210> 694
<211> 20
<212> DNA
<213> Homo sapiens

<400> 694
gtgaaactaa gccctcaacc 20

<210> 695
<211> 20
<212> DNA
<213> Homo sapiens

<400> 695
taccctcctt ccattcagac 20

<210> 696
<211> 21
<212> DNA
<213> Homo sapiens

<400> 696
gctacagagg tgaaggagat c 21

<210> 697
<211> 20
<212> DNA
<213> Homo sapiens

<400> 697
aagtctggag ctgggcaaag 20

<210> 698
<211> 20
<212> DNA
<213> Homo sapiens

<400> 698
gaaacagcat tcttgccaac 20

<210> 699
<211> 21
<212> DNA
<213> Homo sapiens

<400> 699
gcttcatgag agagtgagaa c 21

<210> 700
<211> 20
<212> DNA
<213> Homo sapiens

<400> 700
aaagagaaca gggtgtaacg 20

<210> 701
<211> 18
<212> DNA
<213> Homo sapiens

<400> 701
gagccgggaa taaacgac 18

<210> 702
<211> 20
<212> DNA
<213> Homo sapiens

<400> 702
aggtctaggg ttcagggctc 20

<210> 703
<211> 21
<212> DNA
<213> Homo sapiens

<400> 703
gggttcattt gactggactg g 21

<210> 704
<211> 20
<212> DNA
<213> Homo sapiens

<400> 704
gccagtgtga caagattgcc 20

<210> 705
<211> 21
<212> DNA
<213> Homo sapiens

<400> 705
gacatcagtg gagggaggaa c 21

<210> 706
<211> 19
<212> DNA
<213> Homo sapiens

<400> 706
atgcctgcaa cttaaggac 19

<210> 707
<211> 23
<212> DNA
<213> Homo sapiens

<400> 707
gaggacaaag agatagctta ctg 23

<210> 708
<211> 22
<212> DNA

<213> Homo sapiens

<400> 708
ctgtctagag tccagatctt tc 22

<210> 709
<211> 19
<212> DNA
<213> Homo sapiens

<400> 709
aaactacagg tgagggttg 19

<210> 710
<211> 20
<212> DNA
<213> Homo sapiens

<400> 710
tgacttgtcc accttcaccc 20

<210> 711
<211> 20
<212> DNA
<213> Homo sapiens

<400> 711
tacggcagtg tgggtctaac 20

<210> 712
<211> 60
<212> DNA
<213> Homo sapiens

<400> 712
aaatacaatt gaaataaaaa taatcttgtc gaagcaaggg cttccaggtc ataggtggat 60

<210> 713
<211> 60
<212> DNA
<213> Homo sapiens

<400> 713
tgttactggg ctcaccacaa gcttaaaatc gaacgctgcc agcattagaa cctatttgtt 60

<210> 714
<211> 60
<212> DNA
<213> Homo sapiens

<400> 714
aaaaaggcac tatgaaaaaa caacatgctc gaactcctga cctcagatga tccacacacc 60

<210> 715
<211> 60
<212> DNA
<213> Homo sapiens

<400> 715
caaacaagaa taaagagtag agggtgtttc gagaatcttc aacttttgt atcttctatt 60

<210> 716
<211> 60
<212> DNA
<213> Homo sapiens

<400> 716
tctctttgga atgtcagtta ttcaaatatc gaatagctcc tattgttatg gagtgtagca 60

<210> 717
<211> 60
<212> DNA
<213> Homo sapiens

<400> 717
tatctcagct tttggcctgt ctcagctttc gacatagtag gtacttggta aacatttgtt 60

<210> 718
<211> 20
<212> DNA
<213> Homo sapiens

<400> 718
tgagtaacac aaagcatctg 20

<210> 719
<211> 18
<212> DNA
<213> Homo sapiens

<400> 719
agtgactggc tatgttcc 18

<210> 720
<211> 21
<212> DNA
<213> Homo sapiens

<400> 720
ctggtgattt gtgtgacttt g 21

<210> 721
<211> 18
<212> DNA
<213> Homo sapiens

<400> 721
agggaagatg tggaggag 18

<210> 722
<211> 19
<212> DNA
<213> Homo sapiens

<400> 722
gtacgactcc agccaaatg 19

<210> 723
<211> 22
<212> DNA
<213> Homo sapiens

<400> 723
gctgtctgtt actagattgc ac 22

<210> 724
<211> 18
<212> DNA
<213> Homo sapiens

<400> 724
accttgcaag aagcacag 18

<210> 725
<211> 21
<212> DNA
<213> Homo sapiens

<400> 725
atgatacttc ccaactgaca c 21

<210> 726
<211> 20
<212> DNA
<213> Homo sapiens

<400> 726
aggagcatcc atatcaagtg 20

<210> 727
<211> 19
<212> DNA
<213> Homo sapiens

<400> 727
ctgccatgtc tgactatcc 19

<210> 728
<211> 20
<212> DNA
<213> Homo sapiens

<400> 728
cagtgaagaa gccatcatcg 20

<210> 729
<211> 22
<212> DNA
<213> Homo sapiens

<400> 729
gcttagagaa atacaccagc ag 22

<210> 730
<211> 18
<212> DNA
<213> Homo sapiens

<400> 730
atgggcagca tttctcac 18

<210> 731
<211> 22
<212> DNA
<213> Homo sapiens

<400> 731
agggacgatt tatatgactt gc 22

<210> 732
<211> 22
<212> DNA
<213> Homo sapiens

<400> 732
gtgctggtat gtacctgtaa tc 22

<210> 733
<211> 20
<212> DNA
<213> Homo sapiens

<400> 733
gagggttgag aagcatcttg 20

<210> 734
<211> 60
<212> DNA
<213> Homo sapiens

<400> 734
tgtaaactgt aatatcaaaa attcaaaatc gaagagttga tttacttatt aacattagaa 60

<210> 735
<211> 60
<212> DNA
<213> Homo sapiens

<400> 735
acttttatag tgaaaagtgc catttgagtc gactgtgatt gaatgtaaaa ggttttaaat 60

<210> 736
<211> 60
<212> DNA
<213> Homo sapiens

<400> 736
tactgtagta agttctctga ggaggatatc gaagtcttgg attaaggttc attcaacaaa 60

<210> 737
<211> 60
<212> DNA
<213> Homo sapiens

<400> 737
tccatttgaa ggatgagaaa actgaggctc gaggcttaga aagtttcatt tggttgctca 60

<210> 738
<211> 60
<212> DNA
<213> Homo sapiens

<400> 738
ttttaaaccc aggtgcacac acaagagctc gaagcaggaa tcctggttct gttcccaggc 60

<210> 739
<211> 60
<212> DNA
<213> Homo sapiens

<400> 739
ccactccccc aggcttacct gcgagccatc gaggtgggcc tgggttctcg tggagggaga 60

<210> 740
<211> 60
<212> DNA
<213> Homo sapiens

<400> 740
tcactcattc tagatccctc tgtaaagttc gaactctgga ccttgtgatc cacccacctt 60

<210> 741
<211> 60
<212> DNA
<213> Homo sapiens

<400> 741
ttccatagat tacttttcaa atcatccttc gaagctggcg gctgagggcc cggcgccaag 60

<210> 742
<211> 60
<212> DNA
<213> Homo sapiens

<400> 742
tacagtcttt gtagatgcag agtagcgttc gaagctggcg gctgagggcc cggcgccaag 60

<210> 743
<211> 21
<212> DNA
<213> Homo sapiens

<400> 743
ctgcccgtaa ataagcagaa g 21

<210> 744
<211> 20
<212> DNA
<213> Homo sapiens

<400> 744
gagggttgag aagcatcttg 20