

SEQUENCE LISTING

<110> INSERM (Institut National de la Sante et de la Recherche Medicale)

<120> Method for the prognosis or for the diagnosis of a thyroid disease

<130> U741EP

<160> 486

<170> PatentIn version 3.1

<210> 1

<211> 25

<212> DNA

<213> artificial sequence

<220>

<223> Primer

<400> 1

aattaattaa ccctcactaa agggt

25

<210> 2

<211> 25

<212> DNA

<213> artificial sequence

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<223> primer

<400> 2

agctgtaata cgactcacta taggg

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<210> 3

<211> 361

<212> DNA

<213> Homo sapiens

<400> 3

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agcagaaaaga gacagtatgg agaattgctc attggactga gcttggtcat tctcttaatt      180
aactcctgtc caaagtgatg atggaatfff tattctactt tttcatagat ccgagtacag      240
gtgacattgt tcatgacaca ctccaccact aatttcccat ctttcaattt tcttggttatt      300
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<223> a,t,g,c

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<222> (357)..(357)

<223> a,t,g,c

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tctttatcac cagaatgagg aactcctgga agttaactgc accatcagtg ttgatatcca 180
actctttgaa ccagacgtct gcaccctttt tcttgatata ctgaggacac tcggtctcta 240
gcaatttctt caggtcatcc ctgtagacgg catggaaatt cccctttatc aagggagtac 300
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<212> DNA

<213> Homo sapiens

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aggtgacagc agcaggggca cgcagccacg tgggtcccca agggaatgtg aaggcggagg 180
gctccaggcg aactggggat taaacaaata ttacaggca gcagggaagt gccagcgca 240
cgtgacgggg gcggggcggg actttgggga gggcgggggc taacgggtatc gagcgagccg 300
gttgtagacg tgggtccaggt ttctgcacag gaatatcgag agcgtcatga acccgagctc 360
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<223> a,t,g,c

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<222> (251)..(251)

<223> a,t,g,c

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<222> (255)..(255)

<223> a,t,g,c

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acaccaggt tggcgatgtg tctcatggtt ggccttccat ggggacagtt ccaggggtgg 180
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<210> 7

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<223> a,t,g,c

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<222> (343)..(343)

<223> a,t,g,c

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gcacaccgtc ttccaggggc agaggctcat agcacctcag actctcaact taactgctgt      180
taatgaagct gttctgatag aaaatctgga aatatttaga aagaatggct ttgattttgt      240
tatcgatgaa aatgtcatgg atttttctca aaattgtatt cttttagctc cagtcactga      300
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<222> (332)..(332)

<223> a,t,g,c

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<222> (341)..(341)

<223> a,t,g,c

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<222> (349)..(349)

<223> a,t,g,c

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<222> (354)..(354)

<223> a,t,g,c

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 ggtttttacat cagatgagtg cagcaggtgt cacacctcag catgacaata tgtcacaaaa 180
 gattggtacc cactactgac aggctcacag taacactata tcaaaacgtc ttcctttcct 240
 cgtgcttcct acatcagtgt gtttgcctag gtacaacttt aacggcgggcc ttgttaaatt 300
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 a 361

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<213> Homo sapiens

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<223> a,t,g,c

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<221> misc_feature

<222> (304)..(304)

<223> a,t,g,c

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<221> misc_feature

<222> (319)..(319)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (334)..(334)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (373)..(373)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (416)..(416)

<223> a,t,g,c

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taggcagtcc ttctggtgat cctattccat tccctcctgc tgcggtttct cttggcctgt	180
cctcactgga aaaacagtct ccattctctc aaaatagttg ctgactccct ggcacccaag	240
gggccttttc catggccttc ttagggaagg caggtatgga atccatttgt tccttgtag	300
ttntttccc tctgtttnt ctgggttatt aggntgggtc ccagggttca ggcgtggggg	360
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<223> a,t,g,c

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<222> (356)..(356)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (384)..(384)

<223> a,t,g,c

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gtagtgcatt atgactgcac ctgtgaatag ccactgcatt ccagccctta gcgagacctt	180
gcctcaagac tttggggagg ctattttctta agcatatata accaatccat ttcagtgtca	240
ctatgggtgc ttgtcaaggc ccaatgctat ccaaaaacac aggttaattat tccctcccta	300
ttttgggcag gattctgctg gattctgatt ctgggccagg ggnggaaggg aggggngcca	360
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<210> 11

<211> 344

<212> DNA

<213> Homo sapiens

<400> 11

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agcgggaaca caacgttggt cagttgctca cacaatttct ggctggccat agacatgtct      180
tttgaaccac cagagtttga gattgttggt tttaaccaac acatttaatg tgatgggtga      240
atttccatct attgtttgag ggaaggaatt acagttttga ttttttctct cgtcattgga      300
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<210> 12

<211> 521

<212> DNA

<213> Homo sapiens

<400> 12

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tataattaat gatcagagag aaataacagt tgctgagaac gtaaatttat gttgtacttt      120
agaattgaac agatacaacc acagattcat accaaatgca ttacttttag attattaaca      180
tattctttta cataatttca tttcacatat atggagtcca accaagatac atctggcata      240
gtaagttttc atcagtagct tcttgataaa ggtaatgcac atgtccttca atagataacg      300
gcagtcctgt cactctattt cgagtcttga ttacaccttg tagtcgctgc tcaatgtcaa      360
gaacatgggt cttggccttt tcattgacaa cttctccagt ttcattcagt ggcgctttgg      420
aatgcccttt cactgggtta ctccattcca caagaggata catgtagaaa agttcttaag      480
accctcatta aaggctctcg ctgatcacgc atcagcctca t                          521

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<210> 13

<211> 450

<212> DNA

<213> Homo sapiens

<400> 13

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cataatacat gaattaaatt aatcaaatta aggaacagca atttagaaag aaacacactt      180
taagaaatca aaattctcaa ttcaggcagt ctgtttctat catttggtat tctactcctt      240
taaaaatttc atattgcca acaaaaagtg gttatfffcta ctgtfffagg agatgactga      300
acagatgaag gcatcagatg ccttcatcag ctggatfff gctaagatc tatttaagat      360
aacctfffct tatatfffct acttaatat gggcataatc gtatcattca agattaagtc      420
tggggtatff ctttgataag aactgaatgt                                     450

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<210> 14

<211> 459

<212> DNA

<213> Homo sapiens

<400> 14

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ctttaaaatg tttccacat caactactta aaagaagtta cagcaatatg atcttcact      120
gctcaggaag acagagtga cttggatatg atgaatatta aaaacaaaca tacagagcac      180
ctgggtctgg acttgtgggc taaagaaatg ctccctgaat ttgtccgagg tgatgtgttg      240
agcaaccgtg ccacagttca ccagcagtga cactctagtt cttcagtata ttctgttgt      300
gaacctatff ctttgaatff aatcatctgg gatgattgct gcagtgtgag tcttttagcat      360
tttgaaaatc ccacagaaga gattaagaag gttcctcttc ccagaagaca ctcatataaa      420
gcatgcttct atagggttaa ctgttcagaa attgtaagg                                     459

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<210> 15

<211> 273

<212> DNA

<213> Homo sapiens

<400> 15

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ggaaaaaaat taagtgatff ttatttccaa cagttgtaaa ttaaaattgt acaacatgtt      60
ttctaatacta tgtctcatgt gtcttgctgt atgactgaag acaatgaatg tattfftaaa      120
aattatggca gacacaatat acttggatff tacaatggcc tgtgacaaat ataatactg      180

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gaaataatTT ctaatTTTcc acttattatt gctatttagt cacagaaaag attaacactc 240
 tccaagaaat ttttagcatat gtcatatata gat 273

<210> 16

<211> 515

<212> DNA

<213> Homo sapiens

<400> 16

TTTTTTTTT tgacccatga ccatgaagtt tatagtttga ctatctgtag gaagggtaga 60
 aaaatacatc atgcaacaag gtcattcatt tggaaatgta atgctttctg aaaaacttga 120
 gcattcactt ttcttcactt gcctgttcta ataagagagg tttggtgtgg tgatttttca 180
 atagaaagga tgttaccaat atataaataa cataaaagga tcacatgaga attaaagtga 240
 agtaacttaa catacaatTT tcattctaataa cttatacaat aatTTTTctt gactattgat 300
 agatcacaat aaaggtagtc tgatgatata agttatttta agactttggg gaaaaaggct 360
 tccgtctctg gcattgacct tattgtggcg gaccctccaa aatcttcagc tctgcaccag 420
 caggtatgct gagtcctgta tgatgacata aaccacagga gtccaggaag caaaaccacc 480
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<210> 17

<211> 453

<212> DNA

<213> Homo sapiens

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<222> (322) .. (322)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (349) .. (349)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (378) .. (378)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (389) .. (389)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (414) .. (414)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (423) .. (423)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (449)..(449)

<223> a,t,g,c

<400> 17

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cctcctccta ccaactcagtc ctatcccaag tcaggcactg gaacctgctg aaaaggctga      120
tgaggggctg acaggagtgg ggcagggttc atggaccttt acctcagagc agcttaccct      180
gagctatacc cacatntcaa ggatttgagg gcgctctagat ctcatctaag ggagacacaa      240
cttttctggt cctcagatgg aaagctgggg gaaggtacca gtatttacct ttccataaaa      300
actttggagg tcttttaggag gntaccacctc aggagggcta ggagaggant gacaaataca      360
gagggataga aggtcccntg gcctggttnt gccctcacac agggatttgg gttnttccag      420
ggnttgccac tcccgttgcc acaccacnt ttg                                     453
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<210> 18

<211> 453

<212> DNA

<213> Homo sapiens

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<222> (193)..(193)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (205)..(205)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (377)..(377)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (400)..(400)

<223> a,t,g,c

<220>

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<222> (406)..(406)

<223> a,t,g,c

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<222> (419)..(419)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (444)..(444)

<223> a,t,g,c

<400> 18

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gacactcgtg atgaacaagc acgtggggca tctacttcga accaaagcca tcgagcatgc 180

agatggtggt gtngcagcgg gagtnggcag tcctgggaca acccataccc tgtgtgaggg 240

cacaaccagg ccacgggacc ttctatcctc tgtatttgte attcctctcc ttagccctcc 300

tgaggggtat cctcctaaag acctccaaag tttttatggg aagggtaaat actggtaact 360

ttcccccagc ttttcntct tgagggacca gaaaagttgn tgtttncctt tagatgagnt 420

tttgaaggc ccccaaattcc ttnagattt ggg 453

<210> 19

<211> 415

<212> DNA

<213> Homo sapiens

<400> 19

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ttcactgtga agtcaccaaa ggaactcctg cccttctagg tgccacttga gtaataactc 120

ccaactcact ggtcctctaa acctgcagca gggagatggg gtgctaggta gctacatggg 180

caggagaaga aatggaaaca aattcccga gaatgttttt ggccatctcg atgttgttct 240

gggcaatgac caaagctttc tggatgtcct ggtaggagta cccctgactc atgaggttct 300

cgatctcact ggagaactga ggtgaggcgg tggcagcaga ggcggcagga ccactacctt 360

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<211> 437

<212> DNA

<213> Homo sapiens

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<223> a,t,g,c

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<222> (141)..(141)

<223> a,t,g,c

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<222> (159)..(159)

<223> a,t,g,c

<220>

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<222> (245)..(245)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (257)..(257)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (309)..(309)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (354)..(354)

<223> a,t,g,c

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<222> (369)..(369)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (386)..(386)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (396)..(396)

<223> a,t,g,c

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gggaccgcag gacttgccag gngcacagcc ctggctcccg aggcaggcag gcaaggtgac	120
gggactggaa gcccttttca naggcttggg ggagctggnc cgtccacaag caatgagtgc	180
cactctgcag tttgcagggg atggataaac agggaaacac tgtgcattcc tcacagccaa	240
cagtntaggt cttggtnaag ccccggcgct gagctaagct caggcttttc caggggagcc	300
acgaaactnc aggtagtgat gtgcaagagt ccatcctgca gttttccagc aatnagaaac	360
tcctcgttng cggtttttgg ggacnnttgg aagttntccg cagacatttt tccatgggcc	420
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<210> 21

<211> 466

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (4)..(4)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (55)..(55)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (330)..(330)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (348)..(348)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (367)..(367)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (402)..(402)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (419)..(419)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (453)..(453)

<223> a,t,g,c

<220>

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<222> (460)..(460)

<223> a,t,g,c

<400> 21

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gtcccccccc acccacagac ggccttctgc aattccgacc tcgtcatcag ggccaagttc    180
gtgggggacac cagaagtcaa ccagaccacc ttataaccagc gttatgagat caagatgacc    240
aagatgtata aaggggtcca agccttaggg gatgccgctg acatccggtt cgtctacacc    300
cccgccatgg agagtgtctg cggatacttn cacaggcccc acaaccgnag cgaggagttt    360
ctcattnget ggaaaactgt aggatggact tcttgacat tnactacctt gcagttttng    420
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<210> 22

<211> 453

<212> DNA

<213> Homo sapiens

<400> 22

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gagagctacc tactctttgt ggggtgtggtg atgggcagcc ttcagcgcaa tggctaccag    180
ggatatgaat tcttgaaagt cgacctgttc atcttgatta gcatccaggc cttggaatat    240
ttcatcaatg acagctttat ctttgatatt cttgatggtg tttgcaagct cttttgtaag    300
cagctgcttc agctcaccct tagagagggg gtcaaaatgc cccttccgaa ctgagtattg    360
gtggaagata ttgacaattc cctccagatg ctcttcaagt tttgtcatct tcccagccta    420
atgttaaccc ctcaatgcac aggaatgtgg cct                                453
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<210> 23

<211> 544

<212> DNA

<213> Homo sapiens

<400> 23

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agttgtaaac accagggcggc ttatttggtg gcattgcaat ctgggggtgg agcagcttta      60
ctctgaccac actcaccctc tcgctcacac tcacactcac acacacccca ggccctgtcc      120
tggctggtca ggtctggtgc agaggagctg gaagcctggt ccttccttct ggtcctcggt      180
tccccaggtt aggtataaat tcacaatgct tgactcggac tccgggctcc ctctgcacgg      240
tcataggtta actgctgcgg cgcttcatct tggctgaggt cctctgcagt ctctggatga      300
tgcgtttctac ccagggctgg tctgggggtg cacagagctg gcggccctc agtgtggtga      360
acactacagc aggcaccctg cagccatcct tgatgagaag gtagtggaag ttcctcacga      420
tgtaccacag gatgggtttc tgggtcacag acaggcagca gtcttcagca tcattggtgc      480
cactcagagt tggggctggg gaagtccaga gaaccagcag gctgagggcc agtagcaggg      540
ccat                                             544

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<210> 24

<211> 472

<212> DNA

<213> Homo sapiens

<220>

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<222> (18)..(18)

<223> a,t,g,c

<220>

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<222> (21)..(21)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (23) .. (23)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (388) .. (388)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (393) .. (393)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (416) .. (416)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (431) .. (431)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (442) .. (442)

<223> a,t,g,c

<400> 24

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gtgttttttg tagagatnct ntnttgccat gttgccggca ctggtcttca attctgggct      60
cagacagtcc acccacctca ccctcccaga gtgctgtgat tacaggcatg agccaccatg      120
tccagcctaa ggtcttcttt ttaaaacttt gactatatta tgatttccag agatttacia      180
aaatgcatta aagatagggg atttggtaaa tagagataga aatagatttt aattaccctt      240
tgtcagtcaa atacagatcc ctattcttaa gcatattctt atacaatatc tcattathtt      300
aaaggaccct aagtgtgacc agaccatatt taaaatgaga tgaaatatat aagagggtact      360
gatgttgtga tttgtaaaac atcacaantt aantatgagg cttttttttt agtgtncaaag      420
tttttaaggt ngggaaatcc tntccagttt ataaggtagc cagggttaaaa tt          472

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<210> 25

<211> 254

<212> DNA

<213> Homo sapiens

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<222> (7)..(7)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (132)..(132)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (150)..(150)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (209)..(209)

<223> a,t,g,c

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<400> 25
ttgtttnttt tcttgaatat ttttgacctg cagttgggtg aatctgggga tatataatct      60
atggatacag agtgctgact acatatccat attttatcta gctatcttat aaactgaaaa      120
gatttccaac tnaaaaacat gacactaaan aaaagctcat attaattgtg atgttttaca      180
aatcacaaca tcagtacctc ttatatatnt catctcattt taaatatggg ctggtcacac      240
ttagggtcct ttaa                                                              254

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<210> 26

<211> 435

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)..(1)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (2)..(2)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (10)..(10)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (383)..(383)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (410)..(410)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (433)..(433)

<223> a,t,g,c

<400> 26

nnaataatan gtggagaaat ttttattact ttgaatgttt tagaatgcag gtagaagaga	60
cccgagagctc aaatagctta aataagtagg aaatctattg gctaatacaa ctggaaatgc	120
ggagataggg caggctgcag ggctggtggc tcagggctca gggggcccca actctctgtg	180
ctgctctgag gcactgcctt aaatctcagg ttggcagcac aaagctgctg agagtcccag	240
tgtcacgccc agaccccaca atgccagggg aggaagacag gttctatcta aggagagatc	300
ttccatcccc acctctgcgg acttttactc acttctcagg ggacctgcat ggggatctca	360
gggcccattc ctgaaggcag ttntttgggc agacagagtg ggaataagtn ttttacagca	420
gggcagggca gcntt	435

<210> 27

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (26) .. (26)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (346) .. (346)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (458) .. (458)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (464) .. (464)

<223> a,t,g,c

<400> 27

gaccctggag cacttctaata gtatcnaccc atggagtcac tgttctaata atcaccaatt	60
cagactcaga tcctcgtggc ctatggagca tgctgcttgc tgtctgtgca gctcccat	120
ccccttcttc ctgatagact tggagctgtg tgcctccact ccaaggctgc ctgcctgctg	180
taaacactat tccactctgt ctgccaacaa ctgcttcagg aatgggctg agatcccatg	240
caggtccctg agaagtgagt aaaagtccgc agaggtggg atggaagatc tctccttaga	300
tagaacctgt ctctctgcct ggcatgtgtg ggtctgggcg tgacantggg actctcagca	360
gctttgtgct gccaaacctg agatttaaag gcagtgtcga gagcagcaca gagagttggg	420
gccccctgga gcctgaggca acagcctgca gcctgccnga tctnccgatt tccagttgta	480
tttaggcaat agattttc	498

<210> 28

<211> 278

<212> DNA

<213> Homo sapiens

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<400> 28
gcgtgaaact tggatgaatct ttattaaact agggccacc ccaggaggac ggctggggcg      60
gggacagggt ctcccgtgc aggtgcgcg gaggcaggag gcacggggtg gcgtggggtc      120
gcatggctgc aggttcggc gttcagtgat tgctgctggg cacaggggcg gcgctggtgc      180
ccacggcagc ctgcaccttc tccaccagcc cggcccactg gcgctgcatg tcttcacca      240
ggggtcga cagctcttg aggcgggcct ggaaggcc      278

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<210> 29

<211> 389

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (10)..(10)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (11)..(11)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (17)..(17)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (228)..(228)

<223> a,t,g,c

<400> 29

cagggaattn nttcatnatg gaaaaagaca actgaatgcc ctcaactgaa tgtcttcatc 60

ccctcttgcc tgaaatttcc accttcccat aggctgggga gggagtcagt tccagagcag 120

aggaggggtga caggggttgag gagggacttg tgagagctag aacttggtcaa aatggcctag 180

cccacccttc aaaggggaaa agaggaggga acaggggatg aaaagttntc cgcagccttc 240

ccttgaactc tcccctgctg ggggagggag gaggttaaag caagaccccc tgcccaggtg 300

gggagagctg ggggccaggg gagaagggga caaatggtag ggacacattc tgtttgagca 360

caatgctaaa aattctgtac atcctttgg 389

<210> 30

<211> 157

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)..(1)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (13)..(13)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (94)..(94)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (97)..(97)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (127)..(127)

<223> a,t,g,c

<400> 30

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caacagaaac cagctgcccc aaaggaggcc agtngtnggg acgcagaggg tcctcagagc 120

aggagtnaca agggaggaaa gaccaaaaaa acaacca 157

<210> 31

<211> 329

<212> DNA

<213> Homo sapiens

<400> 31

tttttttttt ttttcacett acaaatactc catgtttttac tagatgtgag caaatcatta 60

agcagcaagt ttagtttggc gacaaaattg taacatctac tacaatatat cttcaaaaga 120

aatcattcac aaccacactc acatgacaag aagacctcac agactcaaaa taaataggaa 180

aaactcatac ataaatactg tcccgttcca aactgagac tctcagtcac gcagaaaaca 240

aattgaggca ttgagtggag gcaaagggca ctttacatta tcttcttgac cctctgtttt 300

ctctactgga aaatgaggat aaattctag 329

<210> 32

<211> 466

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)..(2)

<223> a,t,g,c

<400> 32

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anattgatca aggttttcat tgcttttatt caatgaggtt tggaacatga gaggccaaaa      60
atgaggagca cattttgggg aatcctctat aaagaatata agttaagaaa gttgtccaag     120
atgaaaataa taggaaatta ccccaactca tgccagttgg gtcttaagaa atgtccttga     180
tggcaggctt gaagaaaaga tgtcacagat tagcgtcttc ccagagtgtg aatagggcac     240
gttctcctac atgcaaacac acatgcgcac acacacaata ccottacaca cataccccag     300
cttctatgag gtaaaacttg ctgttgetga ctctcttctc tcttaacctc ttgttgcatc     360
tctccgggga cagctgggag ctgggttctc attaactctg aactctttaa ccggggcatc     420
ccggttgggc ttgcgcaagt tctgggggtg tgtcatacag gaaggg                      466

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<210> 33

<211> 469

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)..(2)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (6)..(6)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (415)..(415)

<223> a,t,g,c

<400> 33

tnaganccag tccatcgcca tcgagctctc tgacctggtt gtctactgca aaccaaccag	60
caaaaccaag gacaacttag aaaatcctga cttccgagaa atccgctcct ttgtggagac	120
gaaggctgac agcatcatca gacagaagcc cgtcgacctc ctgaagtaca atcaaaagg	180
cctgaccgcg gtctacccaa agggacaaag agttgactct tcaaactacg accccttccg	240
cctctggctg tgcggttctc agatggtggc actcaatttc cagacggcag ataagtacat	300
gcagatgaat cacggcattg ttttctcttc aatggggcgc acgggctacg ttcttgcagc	360
cttgaggagc atggagggac agaggaaata tggaccccg tggccaccg agttncaga	420
gggaaggttc cttgatggac ggttgacagt tcaaggtttt tcggtgctt	469

<210> 34

<211> 272

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (99)..(99)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (105)..(105)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (108)..(108)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (124)..(124)

<223> a,t,g,c

<220>

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<222> (133)..(133)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (135)..(135)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (144)..(144)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (161)..(161)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (169)..(169)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (176)..(176)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (199)..(199)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (218)..(218)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (259)..(259)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (265)..(265)

<223> a,t,g,c

<400> 34

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aacgcacggtt ttattggaag tcttggcggc aggggggagtc tgcgggggca gggctgggga      60
aggggcggcg gagggggcgg tgggcgcgca ggtggagcnt ggganatntc aggtgccagg      120
ggantcctgg ccngnttcca tcgntccagg tttttctacc ncctgcggnt ggacanacgg      180
cggatggagc tgcggaaant tccctcctct tcatcggntt ccccagtcct ctgctgctgg      240
ttgaacttgc accggcatnt tctgntcagc ac                                     272

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<210> 35

<211> 448

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (28)..(28)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (30)..(30)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (56)..(56)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (376)..(376)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (437)..(437)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (445)..(445)

<223> a,t,g,c

<400> 35

cctttccac aggggcagcc tgtacgantn gtggcagctg ggcctcacc cggcangctt 60

gtgcgtgacc ccctgagtgg ggggaaggcag gctggtgcat ggtggcctga gcgagcagaa 120

ttcctccagg gacaatggcg tctcttgcc acatcttggt tttctgtgtg ggtctcctca 180

ccatggccaa ggcagaaagt ccaaaggaac acgaccggt cacttacgac taccagtccc 240

tgcagatcgg aggccctcgtc atcgccggga tcctcttcat cctggggcat cctcatcgtg 300

ctgagcagaa gatgccggtg caagttcaac cagcagcaga ggactgggga acccgatgga 360

agaggaggga actttncgca gttccattc cgccgtctgt tccaccgca ggcggttaga 420

aacaactggg agcgatngga tttcngcc 448

<210> 36

<211> 423

<212> DNA

<213> Homo sapiens

<220>

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<222> (186)..(186)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (337)..(337)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (354)..(354)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (360)..(360)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (367)..(367)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (383)..(383)

<223> a,t,g,c

<400> 36

cacaaacatc cagagtttat tgctcttcac catggaaaaa aagtctcttc ccgatgggta 60

tttacaaagc ggggagatgg agtgtgaaat taaccagtgt tgaaatcgta ccaccattc 120

acatcttcag gacagtggca ggaacagcgc cgtatgcttg agggtgctgt ggtcacagct 180

cgcggncccc ggccaccgag gcccagttcc cttccagtag tgggcagctc agtgaggctg 240

gatagaaagt ctgggcaggc agtgggtaag caattgaagc aagaagagaa aggagatttt 300

cagagaacca aaggcgccct tttgaagggt ccatctntct cacagggagg tttntgacn 360

acagctntgg ggcttccaga ttntaccgcg actcccattt tcagctttgg ggccagtctg 420
 ggt 423

<210> 37

<211> 359

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (317)..(317)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (323)..(323)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (335)..(335)

<223> a,t,g,c

<400> 37

agaagcagtt gtgttaatat ttagaagaag atgtatatct tccagatttt gttatatatt 60
 tggcataaaa tacggcttac gttgcttaag attctcaggg ataaacttcc ttttgctaaa 120
 tgcattcttt ctgcttttag aaatgtagac ataaacactc cccggagccc actcaccttt 180
 tttctttttc tttttttttt ttttaacttt attccttgag ggaagcattg tttttggaga 240
 gattttcttt ctgtaacttcg ttttactttt cttttttttt aacttttact ctctcgaaga 300
 agaggacctt cccacanca cgnaggtggg ttttnaggca aggggaaggt agccgggga 359

<210> 38

<211> 633

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (606)..(606)

<223> a,t,g,c

<400> 38

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ccttctccat catctctata tatcttgagg atctctgttt tgtcttggtt tttaaaaaa 60
gatacaaaca atcttcaaag ttacctttt tggacttaag gcataacatg aaattgcgca 120
ttattctaaa gcttaatttt gaaatgaact agtttaagtg ctatcaaacc ctgtttgcgt 180
ttacattatt taaattatat agtatcttat ttctgttctt gctgtaaatt ctaatgctgt 240
tcatggattg tgcaattcct atgcaatcgg tctttgcctg ctgagagtta ttaacagtgc 300
agtgtggaat ccagagtggag ctttcatttt ctcatgtatc ttttcagttc aatgcatgct 360
gtttaattgt gtggaagatc caatccattt ttgttgtcca gccaccatga tgtgcatcat 420
tcatttggtt catgaaatac tccaaagcct ctgtctcagt tttatctaag gctaggtct 480
ttcgaatgta tgcaatgtca tcaaaagatt gtagttctgg cattccagag ccaagcatca 540
ttgagaaaag atttatgaag agatttgcac gctgtcgaat agctagatta gccttgatca 600
catctnctga aacctttcaa attctcttgg ctt 633
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<210> 39

<211> 414

<212> DNA

<213> Homo sapiens

<400> 39

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aaaatcatga acttttttatt gaaagtcttt ttgttctgaa aacagcagct ttgtcatatt 60
atgacagatg tggttttttat tgcgtcaaaa tagttaatgt agttaaatat aagcacttag 120
aggagcaatg cctggcacac agtgaatgtt acatattagc tgagctgtta ctgttattcc 180
ttaataatta agttctgata attattcagc ctgaaaatta aaaaaaaatt agcacaaggc 240
```

```
tttgtaggta agaccattat agatctttct aaatatattaa ggtgtgtttt gtgtcaccat 300
taggtgtaga tggtcagcct tttgaacaaa ctgacactac agaagaggca ggtttcagct 360
atctaaaaat gggcaactgt taaaaagcag ttgggattgc tacgttaggg tggt 414
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<210> 40

<211> 442

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (8)..(8)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (169)..(169)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (221)..(221)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (296)..(296)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (345)..(345)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (408)..(408)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (418)..(418)

<223> a,t,g,c

<400> 40

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atcttcanca atggcaaaac tttcttccaa taatgaacac ttctccctat gtattctcgt      60
tgatcataaa aagaattaag accgctgccc taaaaaagaa agttaaaagc acacaacttt      120
aaggaacacg catgattaag atctaaagtt catttacaag ttggtaagna cctgggctaa      180
aatttcaagt caaaaccaa tgggtacctc aatagtcatt ngttcaactt ccaaatactg      240
taataactaa accaccttaa taccagtga ctcactgcaa cctctgccgt gcaggnttcg      300
ggcgattctc ctgcgctaag cttcccaagt tggctgggat tgcanggcac ctggcaccat      360
gtctgggcta attttggtag ttttaagtag agtttttttt ggaatttngg gtaaaagncg      420
gggtttcacc gggttgggcc ag                                     442
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<210> 41

<211> 432

<212> DNA

<213> Homo sapiens

<400> 41

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cctttaacaa gcatttattg agtgcctact gtgggcttac aatgcagggc ttgggatccg      60
gggctccatt gagctaggtg acagggtggc tgccttgta cagctcatag tgcagaggtg      120
ggaaggcagt gtcctcgtcg tcaccctcac agctcagctc tagcaccaac acccgctgcc      180
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caggagcagg tgccctggcct gtcagctgct gaaccagttc tgtcaccctg aggggcaggt 240
gctgggcctg cttttcaggt gaccatccgg ccgcatagag cagggtgag ccgtgcagca 300
ggatcctcac cctcaacccg tgctgctcct gaagatgaag ccagcaagcg acttccaagg 360
gttcatctca aggctggccc aagctgggta cttttcagac ggggcccaag aaggtccact 420
tcaggtgatg ga 432

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<210> 42

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (61)..(61)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (278)..(278)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (286)..(286)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (340)..(340)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (352)..(352)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (387)..(387)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (393)..(393)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (413)..(413)

<223> a,t,g,c

<400> 42

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ngaggatgga actcccttct ggtcagggtcc caaacagtgt cccagccct tggagtttga	120
caccaaccaa gacacacacc tcctctacgt actggcagct gcaagcctgt atgccagat	180
gcatgggctg cctggctcac aggactggac tgcactcagg gagctgctga agctgctgcc	240
acagcctgac cccaacaga tggcccccat ctttgctnag ttaatnctag agctggcttc	300
ggcttctgct ggagtttggc cctgtagcag cagaaggaan tgaacaaagc cntggaagtc	360
tggagtgtgg ggccttcccc tggaagnctt tgnatgtttg agaaggatga tgncttg	417

<210> 43

<211> 450

<212> DNA

<213> Homo sapiens

<400> 43

tttttttttt	tttttttaac	ttgttttagat	agtatatattt	tctagatcaa	agaaaatgta	60
gaaaatcaga	ctcagcacat	gccagttcat	ctgtgttttg	aagctgaagc	aggctggatt	120
tctgagaagc	acagagatgc	cgactttcgt	tccaagtttt	ctgttcactg	gaaatgaagt	180
aacagttgca	ccggtaccca	acccattttt	cttggaaga	acagcagtc	gagtctttct	240
ggagttctat	gttgggtcct	ggagtaaag	ctgggtcaat	actcagttta	gtaaaagctg	300
ccatgagaaa	ttatgttcca	agagcgaagt	agagaaggca	cgatgtgtac	tttttcagaa	360
agaacagcgt	tgaattgttg	aagctgagct	ggagattaaa	gaatctgaaa	gttgagtatg	420
aagaaattta	gcaaaaaaaaa	cctcgtgccg				450

<210> 44

<211> 476

<212> DNA

<213> Homo sapiens

<400> 44

aggaattaag	caaccacatt	tttaatcaat	aaatatgaac	atttggtttt	taaccagtta	60
ctattaggca	gaaaaaaaaa	gtcattttat	aagaattcaa	aagataaac	catcttgaaa	120
acaaagtgcc	aaaaatcttt	gccataaact	cttcctcact	tatagaacta	aaagtaacaa	180
atatttactc	aaaataaggc	ttggaataat	ctaaaaagtt	ccagatatat	tttaaagcta	240
taacagattt	tgcacataaa	gccaaaacag	attgtttttac	acatacatag	actatctgac	300
aacccaatga	ataaatgatt	gaatggataa	attgttgagc	attagtgatt	acttatgttc	360
acattatggg	ccaggcttac	atccattttc	tgttcttctc	ctggcctcac	tggtcccttg	420
ctcttccaag	gtccttgggt	gaggtggctt	ccagataggc	ctgggcagta	aggtgc	476

<210> 45

<211> 258

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (173)..(173)

<223> a,t,g,c

<400> 45

tttttagtaga ctgaccatgt cagaccctgt caccaatgct cagctctgta aacaatgggt	60
atttccatgt tctgggggaa ttgttaataa taggggcact agactcagcc tagaaagttc	120
tagcacatca ctatatacag tcctcaaaaa taatttatcg tactgtttct aaaaaaaaaag	180
gtactagggg ttgttctttt gctctgtttc catattctgg agctgcacgt gagcactttt	240
ggcttacaag tccaaaaa	258

<210> 46

<211> 612

<212> DNA

<213> Homo sapiens

<400> 46

tttttttttt tttttttcca taccattcat gctttaatga acacatatac atgaaaataa	60
gatggagagt tctagtgggt ttgcccttcc tcttcaacgg cgaaattgct atttagaagt	120
gggtagcgct cgctctctga tgggactgag ctggcataga gacaagggtg cactgcccc	180
gtgtcctgtg atgtgacttc agagcttcca aaacgcaggc aagcacaacg gatgtctcct	240
gggcgaccat ttagcacctt tgatttcaact tgggcttcat gacttctgtt gtctgttccc	300
ggcttcttac caagaaattc ttgttctttt gggtttctag attgttcttc tactcttcct	360
ctgtctccgc tgccagggtga gccactcag gaggaggacg ctgatcagca ggaaaacaca	420
gccggccact gctacctggt actctgttgt aaatatggac gtctccatgg ttgcagccat	480
ttctgtctgt atttgaaaat ctgttgttgt gacgaggcag gaagtctcac tctcaagacg	540
gccttcgggg cttgcctgag gcttctcttc acctggaaac tgactgggtc ccatttcacc	600
tgtgcatatg ag	612

<210> 47

<211> 499

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (353)..(353)

<223> a,t,g,c

<400> 47

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cacgagggcc agcccaatac ttaaagagag caactcctga ctccgataga gactggatgg      60
accacaagg gtgacagccc aggcggaccg atcttcccat cccacatcct ccggcgcgat      120
gccaaaaaga ggctgacggc aactgggcct tctgcagaga aagacctccg cttcactgcc      180
ccggctggtc ccaagggcca ggaagatgga ttcatacctg ctgatgtggg gactgcccac      240
gttcatcatg gtgcctggct gccaggcaga gctctgtgac gatgaccgcg cagagatccc      300
acacgccaca ttcatcatgg tgcttggtg ccaggcagag ctctgtgacg atnaccgcgc      360
agagatccca cacgccacat tcaaagccat ggcctacaag gaaggaacca tgttgaactg      420
tgaatgcaag agaggtttcc gcagaataaa aagcgggtca ctctatatgc tctgtacagg      480
aaactctagc cactcggtcc                                     499
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<210> 48

<211> 434

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (68)..(68)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (158)..(158)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (222)..(222)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (224)..(224)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (305)..(305)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (319)..(319)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (429)..(429)

<223> a,t,g,c

<400> 48

tttttgagtg ggatctcact ttaatggaga ggacgttatg acctccgggg catggctctt

60

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ggcttggnaa gcccctgggtt ttcattggacc tgtcgatcca cttgaggaag gcggtgacct 120
tggtgtagat cccgtacttc cccttacggg cacagctnct cccagctga cgatgcctgt 180
cacgaatagg tgtccttgaa gcgggtgacg tgcgggcccc cntngtcccc ctggcaggca 240
tcctcctgct tggtgtcgta gccggcacag aacatgttct gggatgatgat gaagctgctg 300
gacanttgca gtgtttgcng tccacgtagg gcacctccag catcttgaag cctgggtggac 360
tgccggccct tctcgtgggt gcgcccgaag ccgctcacia tcccgtctt ctgcgtcatc 420
agcgtggant cggg 434

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<210> 49

<211> 612

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (5) .. (5)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (11) .. (11)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (164) .. (164)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (374) .. (374)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (422)..(422)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (457)..(457)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (479)..(479)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (520)..(520)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (539)..(539)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (560)..(560)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (576)..(576)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (587)..(587)

<223> a,t,g,c

<400> 49
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 tcacaaagga gacctatgac ttcgacatcg ccgtgctccg gctcaagacc cccatcacct 120
 tccgcatgaa cgtggcgccct gcctgccctc cccgagcgtg actngggccg aagtccacgc 180
 tgatgacgca gaagacgggg attgtgagcg gcttcggggc gaacccacga gaagggggccg 240
 gcaagtccac caggctcaag atgctggaag gtgccctacg tggaccgcaa caagctgcaa 300
 gttttcccaa gcagctttaa tcattaaccc agaacaatgt tcttggtgcc gggttacgac 360
 aaccaagcaa gganggatgc ctgccaaggg ggaaaagccg gggggcccga acgtcaaccc 420
 gnttcaagga cacctaattt cgtgaaaggg aatcgtnagc tggggaaaag ggctttccnt 480
 aaaaggggaa agtacgggat tttaaacc aa ggttaccgcn ttccttaaag tggattgana 540
 ggtccttgaa aaccaggggn tttccaaagg gccaanagcc attcccnggg ggtcataaaa 600
 gtctttttccc tt 612

<210> 50

<211> 225

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (134)..(134)

<223> a,t,g,c

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<400> 50
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ggttgggagc tcaatcttca gggaaaaaaaa aaaaaaagag aagtattcat gtaagtagga    120
gatgagaagc agantgagaa tcacttttag gaacacagat tgggagcagg tacaggagaa      180
tcctgggtga ggatgaagaa tgacctggga tggttttgga gctag                      225

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<210> 51

<211> 420

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(1)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (176)..(176)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (414)..(414)

<223> a,t,g,c

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<400> 51
ngtgggtgta ggccatcacg gaagatgctg ctgcttctgc tgcttctggg gccaggctcc      60
gggcttggtg ctgtcgtctc tcaacatccg agcagggtta tctgtaagag tggaacctct    120

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gtgaagatcg agtgccgttc cctggacttt caggccacaa ctatgttttg gtatcngtca 180
gttccccgaaa cagagtctca tgctgatggc aacttccaat gagggctcca aggccacata 240
cgagcaaggc gtcgagaagg acaagtttct catcaaccat gcaagcctga cttgtccac 300
tctgacagtg accagtgcc atcctgaaga cagcagcttc tacatctgca gtgctaagga 360
caggggcaga tacgcagtat ttggggccca ggcacccggc tgacagtgtc cgangacctg 420
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<210> 52

<211> 335

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (4) .. (4)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (34) .. (34)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (84) .. (84)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (87) .. (87)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (226)..(226)

<223> a,t,g,c

<400> 52

gcgnccgcgc tgctcctgct gctgctcggc gctngtacac cgcgcgtgtc ggacgggtcc 60

aaatgcaagt gctcccgga gacnccnaag atccgctaca gcacgtgaag aagctggaaa 120

tgaagccaaa gtacccgcac tgcgaggaga agatgggttat catcaccacc aagagcgtgt 180

ccaggtaccg aggtcaggag cactgcctgc accccaagct gcaganacca agcgcttcat 240

caagtgttac aacgcctgga acgagaagcg caggggtctac gaagaatacg ggtgaaaaac 300

ctcagaaggg aaaactccaa accagttggg agact 335

<210> 53

<211> 306

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (87)..(87)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (164)..(164)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (273)..(273)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (283)..(283)

<223> a,t,g,c

<400> 53

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tgagggttttt caccctattc ttcgtanacc ctgcgcttct cgttccaggc gttgtaccac	120
ttgatgaagc gcttggtgct ctgcagcttg ggggtgcaggc agtnctcctg acctcggtac	180
ctggacacgc tcttggtggt gatgataacc atcttctcct cgcagtgcgg gttactttgg	240
cttcatttcc aagcttcttc acgtcgctgt agngaattct ggntcccttc cggaagcac	300
ttgcaa	306

<210> 54

<211> 430

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (73)..(73)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (74)..(74)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (353)..(353)

<223> a,t,g,c

<400> 54

cctcaactaa actcttttatt tttggtttgg tttttaagta ggccatgggt gctttgaggc 60

cactgtatgg tgnnaaacta tagatgaaag agcttttatt aaaaaaggca ctgatgggag 120

acactggctg cccccgaacc tttgccctcc ctaagagcag cctctcagtt cccttttgag 180

gagccccctc acctccacca gatatgggaa gacaaatggg gtccctgttt ctggattccc 240

agcatggtcg ggggaagatc tgtgacctgg gcttggcacg ggggctctca gaaggcaagg 300

cctggttgga ggggtgttggg ggggggcaga aagctgagca ggattctggg gangcagccc 360

accccatatc ctagtaactc ccttttggt cttccagact tattatgcgg cttggaacca 420

tttgatgcct 430

<210> 55

<211> 410

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (309)..(309)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (319)..(319)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (354)..(354)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (368)..(368)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (374)..(374)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (400)..(400)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (408)..(408)

<223> a,t,g,c

<400> 55

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cggcttcctt aactgcaagt gagaagagga ggtctacca ggagcctcgg gtctgatcaa 120

gggagaggcc aggcgcagtc gacctgcggc ggctccctaa gaaggtgaag caacatggga 180

acacatccta agacagggtcc tttctccacg ccatttgatg ctgtatctcc tgggagcaca 240

ggcatcaatg gtccaagccg cataataagt ctggaagagc aaaagggagt tactaggata 300

tgggggtggnc tgctcccana atctgctcag ctttctgccc ccaccaaac cctnccaacc 360

aggccttncc ttcntggaga gccccgtgg ccaagcccan gtcacagntc 410

<210> 56

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

<220>
 <221> misc_feature
 <222> (409)..(409)
 <223> a,t,g,c

<220>
 <221> misc_feature
 <222> (467)..(467)
 <223> a,t,g,c

<220>
 <221> misc_feature
 <222> (482)..(482)
 <223> a,t,g,c

<220>
 <221> misc_feature
 <222> (537)..(537)
 <223> a,t,g,c

<220>
 <221> misc_feature
 <222> (545)..(545)
 <223> a,t,g,c

<400> 56
 gtcttcactt ttattgaaat acaaaatggt aaatatgcaa gctgtactaa tgaaggtgct 60

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ccttgaagtt gattaaggag ggctgggctg cttgtggctt ccattttcaa ttgccaggaa 120
agaggtagaa atatcttgtc atggacagtc gttctatggt gggcatttga gctttggccc 180
ttggagtttc aaatgattgc tgtaccttcc gaaatacttc ctctaggtgg cagcaccaag 240
aatatttctg gaagcatgtg atgagttgtg tgatgaagat agagcccatt gtgctgtctc 300
tccaggacac gttgtgtggc gttgaagagc agaaagcaat gaagtccttc tccacgtggg 360
tcttgtaaac agcatcttcc tccaggttct cagatgactg tgaagaggnc acttccaagg 420
atgccggaga gtctctgacc ccacagtttc cccacgggtt tggaccnctg caggcctgga 480
cnatgatgac cctgggggtt gtcctcaaa ctgaggcagt tccggttggt gaaaacncgg 540
aaaangt 547

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<210> 57

<211> 406

<212> DNA

<213> Homo sapiens

<400> 57

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accaaatac cccaataaa aaagtcata cgaatatgga ggctggacca cctgagtcag 60
gagaatctac agatgccctc aagctttgtc ctcatgaaga attcctgaga ctatgtaaag 120
aaagagctga agagatctat ccaataaagg agagaaacaa ccgcacacgc ctggctctca 180
tcatatgcaa tacagagttt gaccatctgc ctccaggaa tggagctgac tttgacatca 240
cagggatgaa ggagctactt gacgggtctg gactatagt tagatgtaga agagaatctg 300
acagccaggg atatggagtc agcgtgagg gcatttgcta ccagaccaga gcacaagtcc 360
tctgacagca cattcttggg tactcatgtc tcatggcatc ctggga 406

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<210> 58

<211> 180

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (177)..(177)

<223> a,t,g,c

<400> 58

gtgtgcagga accagcaatg agaaggccag gaaaagaaag agctgaaaat gcagaaagcc 60

gaagagtttag aactttttgga tacagcagaa gaaacagcgg ctccactacc gacctgcccc 120

cggttcgatg tccttccaag aatgaagtct ttccctggtg atggtcccct ggcttgnctt 180

<210> 59

<211> 421

<212> DNA

<213> Homo sapiens

<400> 59

caacatacgt ttttattact caaggacaac ctggacgtca ccaatgccca gcttcacggg 60

ggcatgtagt gtgactcacg gctgaacaca aaatcactgt gaagcctgtg ctacagccct 120

gggctacttt tggacacgca agaggacact cggttacatg aaacctgact tgcttctgaa 180

gacatgtgat acatgtcttt tcctgaaaaa tgtttccctt ccctgtctgc catgctccca 240

acttttctgc cttccagggg cttctcactg tctgggtaac taggtcttgg gcctagctag 300

accttgggta gtggcccctc tgccacaatc agtgccctggg cctgaggctg agcttgtggc 360

ctccgaagcc tgaactggct cggagctcgt ctgtggcgcc cagggatggc ctggcttgca 420

g 421

<210> 60

<211> 458

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (414)..(414)

<223> a,t,g,c

<400> 60

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ttttttttttt aaaatgccaa gataagaaac gatttattat agagagaaga aaaatttctc      60
atccaaaata tagaaatctg tacaactttg ccacaatcaa tatacatgaa ctgtacaaat      120
ttacaccagt tcataattta ccaaataaaa gatgactaac aaagttcaca aaatagatgg      180
tggtttgtgg aaaagacttt tacccaatta agtacaagga aagttacaaa ccagacctcc      240
acttttctaaa aataagaagt ttactcagtc ttagaaaact acaagctagc aaatgtacag      300
agagctggct ggtgctaaca ccacagttga gacagtgtct ttttaagggt cttttttaaa      360
gcctgttgcc atggcagatt ctggtcactt gctactttca aggccaaaaa cacnatacca      420
gggtctgacc atttccccag gtcatgctta ctagtttt                                458

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<210> 61

<211> 263

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (10)..(10)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (13)..(13)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (246)..(246)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (254)..(254)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (260)..(260)

<223> a,t,g,c

<400> 61

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acatacctaa atttttacat caatcctttt aaagaaaatc tgtatttcaa agaatctttc	120
tctgcagtaa atctcgcagg ggaatttgca ctattacact tgaaagttgt tattgttaac	180
cttttcggca gcttttaata ggaaagttaa acgtttttaa catggtagta ctggaaattt	240
taccanactt ttanctagcn ctt	263

<210> 62

<211> 420

<212> DNA

<213> Homo sapiens

<400> 62

gtattttttac tagggacagc gtttaccatg ttggccaggc tgggtctcgaa ctctgacct	60
gaagtgatct gccctccttg gcctcccaaa gtgctgggat tacagggtgtg agccactacg	120
cccagccttt tggttttctta tgtgtaggag aggataagtt tctttctcag agtgtgctgc	180
agccagacat aatattttctc cttggcagaa actctgctgt tccaatcata catgtagcca	240
ttgagttcaa tgtgaagatc caggagtggg cgtttttctt cttgtctcag tttctgggag	300
aggcactgca ggtacagggg tggtagctg tgagactgct ccagcagggg acatgtccgc	360
agtacacagg ctccagaaga agtcagcttc tcggtgaact gtgcacagcc ctgccttctg	420

<210> 63

<211> 615

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (120)..(120)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (415)..(415)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (416)..(416)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (459)..(459)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (528)..(528)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (601)..(601)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (606)..(606)

<223> a,t,g,c

<400> 63

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aacttcaggc tccataatgg gagaagtaaa gaacaaagac ttaaggaaca gcttggcgcn    120
tcaacaagaa ccagtgaaga aatccattca ggaatcagaa gcttttttgc ctgagagcat    180
acctgaagag agatacaaga tgaagagcaa gcccctagga atctgcctga taatcgattg    240
cattggcaat gagacagagc ttcttcgaga caccttcact tccctgggct actgaagtcc    300
agaaattctt gcatctcagt atgcatggta tatcccagat tcttgggcca atttgctgt    360
atgcccagag accgagacta cgacagcttt gtgtgtgtcc tggtgagccg agganntccc    420
agagtgtgta tgggtgtggat cagactcact cagggtcnc ctgcatcaca tcaggaggat    480
gttcatggga gattcatgcc cttatctagc agggaagcca aagatgtntt ttattcagaa    540
ctatgtggtg tcagagggcc agctggagga cagcagcctc tttggaggtg gatggggcca    600
ncgatnaaga atgtg                                           615
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<210> 64

<211> 660

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (434)..(434)

<223> a,t,g,c

<400> 64

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gacgttcacc aacattgttc tcctgtcacc aggacaggac gcggcattca caacggaaga    60
aaacggagca tcgtgtggcg ggaagggatc atgcgggtgg gaacatcggg aggcctaggg    120
```

tcaggatccc ggcacaccac agcggtgctg gaggagaaga ggcctcgagc gagggcaggg	180
gacggcaccg agagttgccca ggaggtggct caccgccag tgccccggg gccctccagg	240
tcgggcccgg ctgtggagaa ggggtgtaag cggtcacgac cccgctcctt gcagcctctg	300
gcctccttat gtctggaggg ctcccatttg attcagccca accctgcccg ctagegtctg	360
gggataaggg aagactcggc ccgcctcgac agaaaatggg gtctcagcac tcgctgggtg	420
acccgcggga gagngcaaag gagggctccc aagtccgttc tgcagcactg gggcagggaa	480
cagaccagg atcctgggaa tcctcttctg cctagctttg cctgcctgcc agagcagggc	540
ctgcgatttg ggtgctgtga ccgtccgggg gcgcgggaag ggcaaggag gcggatctct	600
gaagttccgc ccaacttcgc tcctgatacc caaggtcaga gagggccagc tgggggcggg	660

<210> 65

<211> 510

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (224)..(224)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (251)..(251)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (374)..(374)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (383)..(383)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (442)..(442)

<223> a,t,g,c

<400> 65

tttttttttc tcaggaaact tttaaatgaa agtgtcggcc acggtggtgt gtaggtggct	60
gagctcagat tgcagctgct aagacaccag ccacttacca agagaaagcc aggctgcttc	120
aaaccaggg cccaaggcaa aaaagcatca cttccggccg gggagtctgg aagccacgcc	180
ttgtgggagg tcacactggc atctaggcct tcgcctgcat tgcngaagga gagccaggct	240
cccctcctgg nagaacgctg cgttccccag cccacaccg gctttgccac cacacaggct	300
gttgaggcag gaggtgggta agacgtagct gtagaccaa aggcaaccac cagccctggg	360
gaccctgcgg gagnaggag canttttttag gaacatggga aaagtgtggt tcattccctt	420
ctttaggaca gcacacttcc tnacttaatt aaaaattctt ttggggggaa ggaggtttgg	480
gggagggatt aaaaaatttg ggcacagttt	510

<210> 66

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (91)..(91)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (350)..(350)

<223> a,t,g,c

<400> 66

```

cttgctgatg acttgtttta aaactttcat cctaaataac cttttgatac ttgaatatatt      60
gtaagtttta tacatagttt ctaatttttt nocgaacaga tccagatacc taataagatg      120
ctggaatgta atccctggac aatccgtgtc ctggcagcat ttggtcttcc tctaagcgcc      180
tggctccgct gttctcagga gtgggttctg aagtctctgg agaacaggat acgtggaggg      240
ttaggaaggg gccaggccta gagacgggag actccctccc ggagcagggtg gaggcacagg      300
accgttcgct accccatctg ccggcacctg cgggggagcc cagggcattn tttgttaaac      360
cctcctggac cacctgggtt caaaggaaaa cagaagcatg ggagggccgc caatTTTTTT      420
caaggaaatt aacccttga atatttcctt cattttttta gga                          463

```

<210> 67

<211> 439

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (235)..(235)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (439)..(439)

<223> a,t,g,c

<400> 67

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tgcttttaaa atatcttcaa taataagaca tcctatTTTT ggggggtag ggatagagat      60

```

```

aaatatgaaa actttttttt gataaaacac ctagtaagga catgtttcca ggttttaaagt 120
tcatgaacat ataaaacaga aattgggtcc tgccaccttg agtgcaggat tctgaggtcc 180
taaatctggt tctgaggttc tgtgtttgat tctggggtac agacagctca agtanggagg 240
tctccttatg tcacaaaact acacgatgcg gaggttctgt tccccaccaa aggcttgtct 300
ggggcccatt ggtgcctggg gaggaggccc cagcgaggct catgggtcca gcatggctcc 360
tggggggacc ccttactctc accacgcaag agccccagc caggagcact gggccagcca 420
gctgcggggc gatgagggg 439

```

<210> 68

<211> 189

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (32)..(32)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (33)..(33)

<223> a,t,g,c

<400> 68

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ggttgtcggc agggctgtca gggcacatgc tnngccggct ggggtccca cccgcggaga 60
cggtcctaga cccagtgggg agtgctgtgt ctctgggtc tgcccacccg tggccaagca 120
ggaactccag gtgcagggcg ggcctccagg tgcagggcg gccagaagcc ccctcatcgg 180
cccgcagct 189

```

<210> 69

<211> 467

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (399)..(399)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (451)..(451)

<223> a,t,g,c

<400> 69

ttacactaaa aagagtaaatt tttattgttt ataaattatg cttcaataaaa cctgccttta 60

aaaaattttt tatcagtaat tacaattttc aaaagtggag atacttggta ggcccctgct 120

ttcttggccc ctaagggtccc tctctctgtt aaactgtaga gctccttaga accaaaacca 180

aaccaccttt cattttaatg aaaatgaaat gcaaaaactg gggctccaag caaggaagaa 240

accgtctacc tgcagttcat ctggggggtg gtgggagagg tgggtggagag agtaaggcta 300

agcgccccca gcaggcccaa gttctctgta ccacacttgg aggcagggtat atgggactcg 360

aaagtggatg ttctcagcca caagcctggg cctggatang aaacaaagga taagactgga 420

aggatgtcag gtaaggggag acccagagca ncagctgggc tcacttt 467

<210> 70

<211> 226

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (210)..(210)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (218)..(218)

<223> a,t,g,c

<400> 70

cattctggga aatcaggctg tctgtgtaaa gggtactgct gtgctcagga gttgaaccgt 60

gtggtgctgt atccggatac tcatgacgaa tggatggagg gcgtgaaaag tgagcccagc 120

tggtgctctg ggtctaccct acctgacatc cttccagtct taccctttgt ttcctatcca 180

ggcccaggct tgtggcttga gaacatccan tttcattncc atatac 226

<210> 71

<211> 519

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (372)..(372)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (457)..(457)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (475)..(475)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (494)..(494)

<223> a,t,g,c

<400> 71

tttttacaat gtgtttattg gacacacaaa aaaactttgc aaccatcata atacatcaat	60
atttaaccta gataattctg aaataatttg gattctttca tttttcagga tttgagctca	120
tcaattatgt taaatttcct atattctgtt acaaataaa tacagatttc ataagtctgc	180
cttgattcac tgctccctaa tccagagcag tttaaatttc aaatcacata gttatatagc	240
ctacctgcca aaaaagaata acccatccct gtcttcttaa agtggtaggg ttttaaaatt	300
catgatacaa gtaacaaagt aagttgataa caaatactat tttgaactgg ggcaaaatct	360
agcccaatat gnaattgtgt tccccttgta tctgagaggc ctgtgttgga caaccatagt	420
actctgcttt cactgtgctc aaataacctg aaatatntag ttgtttctga gtagntctga	480
gtaggaaaga accnaatggt aaatttcctt agagaccat	519

<210> 72

<211> 254

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (8)..(8)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (184)..(184)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (246)..(246)

<223> a,t,g,c

<400> 72

ctgtggcnga gttttgaaca tctgttatag ggagtgatca aattagaagg caatgtggaa 60

aaacaattct gggaaagatt tctttatatg aagtcctgc cactagccag ccataccta 120

tgatgaaagt tatctgttca caggcctgca gtgatggatga ggaatgttct gaaatttgcg 180

aagnatttga gtagtgaaat gtaagcaca aacctcctga acccagagtg tgtatacaca 240

ggaatnaacc ttat 254

<210> 73

<211> 693

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (38)..(38)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (46)..(46)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (105)..(105)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (443)..(443)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (477)..(477)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (524)..(524)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (627)..(627)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (635)..(635)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (645)..(645)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (677)..(677)

<223> a,t,g,c

<400> 73

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ggtggtgaag gaatttattc atgatagact gaggggtcnat cagggngact gtccaatggt      60
gacaagctcc agaagcccg ctcgcaacag ccaggagggc caggncaccc caggcaggag      120
gcagtgggct ggcagccacc ctgggcacag aagagcagac gcagacagtg ctgggcaacg      180
aggggctttt ttcattgggc cgctgccct gtccctcccc ccaggteccc accttctagg      240
gttaaagtgc agctgggagg gaggaggcag gcagaattgg ggagctagag agagcccaag      300
tgaaccctga ctgtccacgc aagtcccatg tcctcctcgt cctggagtgc ctcgagggtc      360
agcgagccca tcccgcttag ggctctgga accttggggc gagggaggta acccctcact      420
cccacacca tccgatattt acnaagagca tccctgggag aggggagaag gcggccngct      480
ctgacagctt tctggggggc cagaacttgg ggcaagtgcg gggntaacat tctaacagga      540
gagaagggga tgctctcttc aggatggtct tgggggttgt ccctccttct ggccttgaaa      600
ctcttccttc ctttttcttc tcccttncca acagnaagca agaancagaa agccgaaact      660
gtccatccgg cacattnagt tccagtgatc aaa                                     693

```

<210> 74

<211> 175

<212> DNA

<213> Homo sapiens

<400> 74

```

aaggcctctc accccacttc ccattctccag ggaagcgtcg cccagtggc actgaagtgg      60
ccctccctca gcggaggggt ttgggagtca ggctgggca ggacctgct gactcgtggc      120
gcgggactgg gagccaggct ctccgggcct ttctctggct tccttggett gcctg          175

```

<210> 75

<211> 485

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (467)..(467)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (480)..(480)

<223> a,t,g,c

<400> 75

tgaaaggcta ttgcactaca aagtaaacc	tgaattcaat atgaatcccc ctgtaatgga	60
ccagttcaat atgaacttag agcaacatct	cgcaccccag gaacatatgc agaatttgcc	120
ctttgaacct cgcacagctg tgaagaattt	catggcctct gagttggatg ataatgcagg	180
actatcaaga agtgaaactg gatcaacgat	atcaatgagt tctttagaga gaagaaaatc	240
acgatattca gaccttgact ttgagaaggt	catgcataca aggaagaggc atatggaact	300
atltcaagaa ctaaatacaga aatttcaaac	tttgggacag atttcgggat ataccaaata	360
caaggcagta tgggaaaacc ccggcaccaa	acaaggattc catggggaca tttttcaaaa	420
accccggtga ttaccgctt tacaccacat	tcatgttttt ggacacnggg gcaagggtgn	480
ttttt		485

<210> 76

<211> 581

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (528)..(528)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (538)..(538)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (560)..(560)

<223> a,t,g,c

<400> 76

```

tttttttttt tttttttttt tttttttttt ttttaaagta tcacaccaga agtttattat      60
ggaacaatca catatgttga ctctcctttg accctcactg cagtgcactt tcattactta      120
tcaatctggg ggcgggaaaa aggggtgcag ccagacaaga gaatatacag gaaagaagca      180
ttgtatataa gcctatgtat ttcagtaatg ctgctacagg gggatacaaa atcaggtgcc      240
agcctccaga aaaaaagaga ttttttttct tccctcagtc tcatttggcc cctcggcgct      300
tcctgaagta gcgattatag gcagcattgt atccataaac catggcgtag tttcgcaaag      360
tctgtagtca tcacaggctt ccctattgag ctcgtaggaca ggcttagagc gttctcggat      420
cctctcttgg acttttagctc tccatctctg ctgaggggat atgaaggat ttgcattctc      480
ctgttaatga agggattaag ttcataagat tccatgcttt catgtgantc ataacacnaa      540
gttctaccgt aaggggccan gatggaagaa ggtcagctct c                          581

```

<210> 77

<211> 541

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (14)..(14)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (529)..(529)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (533)..(533)

<223> a,t,g,c

<400> 77

```
cctactgctg ctanacaaga ccctgagact gacctgcagg acgaaaccat gaagagcctg      60
atccttcttg ccatectggc cgccttagcg taggtaactt tgtgttatga atcacatgaa    120
agcatggaat cttatgaact taatcccttc attaacagga gaaatgcaaa taccttcata    180
tcccctcagc agagatggag agctaaagtc caagagagga tccgagaacg ctctaagcct    240
gtccacgagc tcaatagggg agcctgtgat gactacagac tttgcgaacg tacgccatgg    300
tttatggata caatgctgcc tataatcgct acttcaggaa gcgccgaggg gccaaatgag    360
actgagggaa gaaaaaaaaa ctcttttttt ctggaggctg gcacctgatt ttgtatcccc    420
ctgtagcagc attactgaaa tacataggct tatatacaat gcttctttcc tgtatatcc     480
ttgtctggct gcaccctttt tccgccccag attgataagt aatgaagtna ctnagtgagg    540
g                                                                    541
```

<210> 78

<211> 454

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (165)..(165)

<223> a,t,g,c

<400> 78

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gcaggtaaaa attatacttt tatttgagtc accaggagaa agattcactt gtgggtcaag      60
tcaaattgttc agaatacataa caggccagaa aggtttgatc ccgagcacia gccacgagg      120
gaggggacca aaacagacca aaatgagaca acaaccccat ataanaagat gaactggcgg      180
cttcacacac tcacacacat acacatacac acggatgaaa tgtttggaca gaggcaaatt      240
tcacgtggtc atttctgttt ctttttaaata acaggtttgt aggttggtat tttgtttttt      300
ccagctataa aaaaaggccc aaaagtgcac gtgtgagggg ggaaaggcag aaattaagca      360
ataaagtcac tttcccttgg agggacatga gaggggagaa aacaggaggagg cagtgccttg      420
gagaacgcac tttcctcacc actggggcctt cttg                                454
```

<210> 79

<211> 383

<212> DNA

<213> Homo sapiens

<400> 79

```
aacaatcagt catcatgggt gtttttgtca actgcttggt aattgatttg gggatgtttg      60
ccccgaatga gaggttgagg aaaagactgt ggggtggggag gccctgcctg acccatccct      120
tttcctttct ggccccagct aggtggagga aagtggaata tcttatattg ggcgatttgg      180
gggctcgggg aggcagagaa tctcttggga gtcttgggtg gcgctggtgc attctgtttc      240
ctcttgatct caaagcacia tgtggatttg gggaccaaag gcaaggggac acatcccctt      300
aagaggacct gagtttggga agagtgggtg gtggaaggga ggagcagcaa gaagcagcct      360
gttttcactc agcttaattc tcc                                383
```

<210> 80

<211> 545

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (497)..(497)

<223> a,t,g,c

<400> 80

```
actgttgacc tgtcactggt tattatttca gcactaaaac tgaggagcct caactgctgg      60
ctcttcttcc ctttgtatgt gtgtaaggag cactgcactc ccataaaagg ttttaaaata      120
caaaatgtac aagaacacac aattccaagt gctgtaaaca taactgagaa ccagttcctt      180
tactaaacat ccattttata aaatacaagg tttcaatttg agcccatctg agccttaaag      240
atccattctg aatacaaaaa acagggtctc acagccaggc ccagaagagg tctggtgata      300
atggctggcc ctgggtgggg atagtttaca cccgggcagc agcaccacac atgaacccaa      360
agacatgttc tttttaaaagc tgttttcagc catgtttctc tgggtgcatct ccagtaagca      420
gaaggctacc cattccattc ctcaacccca agagctagca cagttagagt aggagggggg      480
tgcgtactag cacgtgncca gttgctcagt gcggcaggta gaaatgattt gcataggtcc      540
atggg                                           545
```

<210> 81

<211> 506

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (11)..(11)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (393)..(393)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (499)..(499)

<223> a,t,g,c

<400> 81

gaacaatata nacaggcatt cccatcacag gttaaagaaa caagagtcac cgaagagcct	60
gaagaagggtt attgcagctt tgtcaaatcc aaaagcaacc tctagttcac cagcacatcc	120
aaaacaaaca ttagaaaaca accacccaaa tccattcttg acaaatgcac ttttaggtaa	180
tcaccaacca aatggaggtta ttcaaagtgt cattcaagaa gtcctcttag cacttactac	240
caaaactaaa atgcagagaa gattaatgaa aacattgctg ctgcaagtag caccctttt	300
tcctcacctg taaatctgag tacaagtggg agaagaacc ctggcaatca gacacctgta	360
atgccctctg cctctcccat cctgcatagt cangggaagg aaaaagcagt tagcaataat	420
gttaaccag taaaaacaca gcatcactcc catctgcaa atcttttagtg ggacaattca	480
gagggacaga ttcagacant tcccag	506

<210> 82

<211> 476

<212> DNA

<213> Homo sapiens

<400> 82

acaggtgaac catagtctca ctttatttcg aatttttagga ctgaacagaa agaaggttca	60
cagatatttc ttcaggaag gaaagtgggc aaatagcaca atgaggcaaa ccacacaatc	120
tagacgtact ttcccgggta aacaaactgg gaagcccaga gtcacagag gaggagagca	180
gagcttgggg tggcagagag gtgttcattg ggaaggagtc aggaacacaa gagaaatgtt	240
catgagctca tccaggatag agaggactct tggggaagg gacctcttc cccatgctgt	300
ctctgcccc agcccttaat gaagcaggag agggaagtct gtccagaaac tcatctggtt	360
agacatttgc atcaggaata gggagggggt ggaggcagag cactttggac atgggaaatc	420

acagttgcag tagacagtga gctctagtca ctccagaagc ttgacataat ttgcag 476

<210> 83

<211> 442

<212> DNA

<213> Homo sapiens

<400> 83

atgagctttc ctttgatccg gacgacgtaa tcaactgacat tgagatggtg gacgagggct 60

gggtggcggg acgttgccat ggccactttg gactcttccc tgcaaattat gtcaagcttc 120

tggagtgact agagctcact gtctactgca actgtgattt cccatgtcca aagtggctct 180

gctccacccc ctccctattc ctgatgcaaa tgtctaacca gatgagtttc tggacagact 240

tccctctcct gcttcattaa gggcttgggg cagagacagc atggggaagg aggtcccctt 300

ccccaagagt cctctctatc ctggatgagc tcatgaacat ttctcttggtg ttctgactc 360

cttcccaatg aacacctctc tgccacccca agctctgctc tcctcctctg tgagctctgg 420

gcttcccagt ttgtttaccc gg 442

<210> 84

<211> 321

<212> DNA

<213> Homo sapiens

<400> 84

ctggaaagag aatagaatta aagagaagaa tcatctatgt atgaagcctg gtctaactga 60

taacgcagtc agattgccat ttttaagatg gaaaaagggg aacatgcttg ccttgagcag 120

aaaagttttt ggtggggctg gagctcctaa atattatttt ggtcatttgc caaaaaactg 180

aagtacacca ccaatgtccc aattatgaag ttgaatacag aattataaaa aaaaattggt 240

gaaagtcaat aagaataaat cttagaattt ggactcctgc cacatggcag aaaaaagca 300

tgatgtttta agacaacctg g 321

<210> 85

<211> 425

<212> DNA

<213> Homo sapiens

<400> 85

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aagatgataa ctaagaattt ctgggttctaa ggtagtaatg ccttttggga tttatatttg      180
tttaatgttg agattctggg gaccataggt gggcctgtca actcttaaca gactatagta      240
aaggagaggt ggtggcacat gtgagataaa acttgtttat atttacattc ttattagtgg      300
atagatatca cctcagtaca aactgaaat taaactgcct tgttcatgct ttcattgtctc      360
aatcaaggc ctaaattgagt aaaaagatga ttacagatta cctaaaaccc ttaaccagtt      420
ttggt                                           425
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<210> 86

<211> 367

<212> DNA

<213> Homo sapiens

<400> 86

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aaaaccaaag caaagcacag ggggccctct ttctacctct cctcaccag ccaaatggca      180
gaggtgccac agaggcagag ggggtgtgga agtgctgctt ctgaggcagg cagtggaagt      240
gagatgcccg tggggcagga aggaggtgcc tcgccagccc cgccatccac catccggcat      300
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tgatttc                                           367
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<210> 87

<211> 298

<212> DNA

<213> Homo sapiens

<400> 87

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ctcagtttgt	gaagcatcct	ttcctacaga	tctcagcaaa	acgcagagcc	agtaggggaa	180
attcaagctt	tcatttgggg	gcctctgggg	tcctacctgc	tggcagttct	ttcagcagaa	240
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<210> 88

<211> 293

<212> DNA

<213> Homo sapiens

<400> 88	
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acgtatctcc	ccaagtcctc tgtggccagc tgcctctgtc tgaatgggtgc gtgaaggctc 180
tcagacctta	cacaccattt tgtaagttat gttttacatg cccggttttt gagactgatc 240
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<210> 89

<211> 419

<212> DNA

<213> Homo sapiens

<400> 89	
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ggcctctacg	ggcagcagtt taattacagg gcaacaggaa cccatttata gagtattgta 180
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tagtttagtg	tgtaagcatg gttaccactc tgcacaagct tcgttatcca gagtaccgag 300
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<210> 90

<211> 426

<212> DNA

<213> Homo sapiens

<400> 90

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ccagaacaaa agggcccctc tagtagctgt gtgctggatt attcaggact gattaactca	180
agttgtcat tgaatcacat catccacttt atcccagaaa ctagaactgt gagaaaccag	240
gtttagaaga cagtcacaga acagcacaca tccaaattca gcgccattga aagttggcct	300
aaggctcagt gccactcacc cctccctccc caaaagacaa gagaaatttg gccagatggg	360
gaaggtcact ggaaattgag gccaaagggc tgatcagaat tgccctttata atatatttga	420
tggtatg	426

<210> 91

<211> 313

<212> DNA

<213> Homo sapiens

<400> 91

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aggatcatggg cagactcctg gcctcagtga tgccctcctga tctatccata ggcttgaag	180
atcagcactg ggatgacgat gagcagaatg gtcattgagga tgcccagaat cagggcccag	240
atgttcaggc acttggcggt ggaggcatag gcctggggccc cggtcacgtc gccaaaccatc	300
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<210> 92

<211> 331

<212> DNA

<213> Homo sapiens

<400> 92

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 ggatagatca ggaggcatca catgaggcca ggagctctgc ccatgacctg tatcccacgt 240
 actccaactt ccattcctcg ccctgcccc ggagccgagt cctgtatcag ccctttatcc 300
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<210> 93

<211> 505

<212> DNA

<213> Homo sapiens

<400> 93
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 cataggatgg atattactat tccaaaagga agaaagagag gaagagaaac agtcatggga 180
 ctcaagcaag tacaatcat agcaaaggaa acgtcctaag atcttaaggc tggagaataa 240
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 gtctctctgc tgtggccctg cccatggagg caatttctctg tggaggggtgg ggttgactc 420
 taactgatct gctggccttc tcttccttca acgattccct ggggtgttggg tccaccttta 480
 gaaatttaaa cagaaccct ccccc 505

<210> 94

<211> 590

<212> DNA

<213> Homo sapiens

<400> 94
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 tcaactccaa atacatacat ctgcatgcaa aggactgtgt aaagatgac aaccatctca 180
 ataaaagcca ggaacagaga agagattaca ccagcggtaa cactgccaac cgagactaaa 240
 ggaaacaaac aaaaacagga caaatgacc aaagactgtc agattttctta gactccacag 300

gaccaaacca tagaacaatt tcaactgcaaa catgcatgat tctccaagac aaaagaagag 360
 agatcctaaa ggcaattcag atatcccaa ggctgcctct cccaccacaa gccagagtg 420
 gatgggctgg gggaggggtg ctgttttaat ttctaaaggt aggaccaaca cccaggggat 480
 cagtgaagga agagaaggcc agcagatcag tgagagtgc acccaccatc acaggaaatg 540
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<210> 95

<211> 272

<212> DNA

<213> Homo sapiens

<400> 95
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 cttggcagca gtatccaatt tggaagttga aggtctgtcc tggagccaga tgctaacgaa 180
 acacagcaaa tgcttttcct aaggcacaat agtcttttca gtgagctcag gaaccctgtt 240
 tatgcagatc ctggttgaac tttcttgctc ct 272

<210> 96

<211> 287

<212> DNA

<213> Homo sapiens

<400> 96
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 tgtgtttcgt tagcatctgg ctccaggaca gaccttcaac ttccaaattg gatactgctg 180
 ccaagaagtt gctctgaagt cagtttctat cattctgctc tttgattcaa agcactgttt 240
 ctctcactgg gcctccaacc atgttccctt cttcttagca ccacaaa 287

<210> 97

<211> 133

<212> DNA

<213> Homo sapiens

<400> 97

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aggttgtggt cacaaccaac gtagtaaaca tcatttgc atcagtaaga aaaagaaaac	120
aggaggagat gag	133

<210> 98

<211> 425

<212> DNA

<213> Homo sapiens

<400> 98

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gttcctaccc tcccggtttc cttgggggcc acctccgttg tgaataacgc cactgtctcc	120
aagatggatg gctccagtc gggatatcagt gcagatgtgg aaaaaccaag tgctactgac	180
ggcgttccca aacaccagtt tcctcacttc ctggaagaaa acaagattgc ggtcactaag	240
ggagaacttg cgtggaagga gcaatgcaga cacagtgaaa tctctagaat ctgctttgtt	300
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acgttggttg tgaccacaac ctcaggcaag tgctacaatc acgattgttg ctatgctgct	420
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<210> 99

<211> 468

<212> DNA

<213> Homo sapiens

<400> 99

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atacagacag aatatacaga gagaaagaga atgagttctt tcctgataat ttgtaaatat	120
ttgggtcttc actggacaag cttcacagag gattcactgg ttccctagca aaccagcatg	180
tccagtcctg cagcctccct ttcttaggcc cagcatatgt cagctgtgtg catagaaaaa	240

tcaaagcagg accctgagta gttggaaaga aaagatgggt ggaaatgggt tgcacttcaa	300
gtgaggaaac aagaggtagg agaccggcat ctctttctca tatgtcccag gctgactctt	360
gtgagttggt ttcccttgga ggctatcgat gacagtcaca gtaacctgat ggaactaact	420
ccaagatgcc tgggtctcaac ttgacaaaaa taccccaagt tgggaaat	468

<210> 100

<211> 232

<212> DNA

<213> Homo sapiens

<400> 100	
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tcctctctct ctctcaccta ttcccatggt taatccatta tttggattgg tccattttat	120
ctccattttc tcaaatacag gaaaagacag atcatcatca accagcaatt gtgactatct	180
acatattcac ataaggattt ccaacttggg gtatttttgc aagttgaacc ag	232

<210> 101

<211> 302

<212> DNA

<213> Homo sapiens

<400> 101	
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acataaaggc ctctggtaca gctaaaatcc tgacactata atttgggtat tcctgcttta	180
gggtctccag tttatcaggt ctgtccatag aaaacagaaa ctggaattat agtcagtctt	240
gctaacactt agaaactact ttaaaataca ataaaatttt catttaccct aaaagtccaa	300
at	302

<210> 102

<211> 412

<212> DNA

<213> Homo sapiens

<400> 102
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 tgtttttgtt tcataatcac taactttaaa ccagtagttc tttaatTTac gggTcttcat 180
 aagatgtact gtacaatgct caattgttat gtcattttaa gacatcaggt tcatctgttt 240
 actgagctag aaacatagta tgtagtttca ctttttttaa tgcaacagct gtgctgaaat 300
 ttttttatca ttaacacttg aagtaataaa ataggcttca tttattacta agtgtttcat 360
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<210> 103

<211> 388

<212> DNA

<213> Homo sapiens

<400> 103
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 gtacgtaacc ccagaatttg gggaaaaaca aatatttttc gtctgaaatt aactactaaa 180
 actcaactca taatgatggg gactagtaat gccagagta accttctggg actgaaagtt 240
 ctagtatttc ctgaatcttg gtcaagactc cacatgaagt aattgcaaag gtatggcatc 300
 tagtaaaatg gagaatcaaa gaaacatagt ttttttttct gcacagtcaa gagaaaagca 360
 tgctttcttc tttctttcac tggaaata 388

<210> 104

<211> 270

<212> DNA

<213> Homo sapiens

<400> 104
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 aaccgtcgaa taaagaactc aaatgatgct gtttttggac agggagggtca tggaccaagt 180

acaaagcggc aaaaggatgg aattaaggta cctgacattg ttgaacccat gcctgatgcc 240
 atattagctc aggactacct acatggacat 270

<210> 105

<211> 389

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (173)..(173)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (361)..(361)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (370)..(370)

<223> a,t,g,c

<400> 105

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 atcgcttccc ggctctgcct gtgatgcaa ggaagcctga ggttctccca ggnctgtcca 180
 ccagggggga ggtgcgctcc atcatgtcct catgtgggtc caatgtgggc agaaacctgg 240
 gccagtccca gcagggtctga cttttttttt cttttaagag acagggtctc actctgttgc 300
 tcaggctggg agtgtagtgg cgcgatcata gctcgctttg cagcctcaaa ctctggggg 360
 ntccagtgan tccttccctt caagccttc 389

<210> 106

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (97)..(97)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (100)..(100)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (339)..(339)

<223> a,t,g,c

<400> 106

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tacctcagcc tagacctcc tcctcccca gaggtgnggn ttcctcttcc ccaactcccca      120
ccttcaattc ctgggcccc aacgggctgc cctgccactt tggtagatgg ccagtgtgat      180
cccaagtgcc agtcttgtgt ctgcgtctgt gttgcgtgtc gtggggtgtg tgtagccaag      240
gtcggtaagt tgaatggcct gcctttgaag ccacttgaag ctggggattc ctccccatta      300
ggagtcagcc tttccccctt ccaggggcc aggggctgnc aagaggggga aaaccagtgt      360
taggcctttg cccggatttc t                                     381
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<210> 107

<211> 240

<212> DNA

<213> Homo sapiens

<400> 107
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 tacttaggac aaacttatag gggtagaaat gttggtgaaa aggcaaatac attttttaggc 120
 ttttgatacc tactgtgaaa ctacactaaa gaaagattat aggagtgtat aggttaccag 180
 cagtgtagga gtggtcactg gcacacctgc agaaacacta aacatttcat atacatatat 240

<210> 108

<211> 469

<212> DNA

<213> Homo sapiens

<400> 108
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 ttttcttttg gcactataaa cctttcgcaa aggaaatatt agacagaact cctacatgtc 180
 aagcaaatta aaatagtggg gaaattagag tggaggacat aatcaccta tcatataggc 240
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 gggccgcaga ccggtaccag tggcctgtta ggaactgagc cacacagcag gaggtgagcg 360
 ggagacaagc gggcactact acctgagctc tacctcctgt gagatcagca gcagcattag 420
 attctcatag aagcgtgaat cctattgtga actgcacata tgagggatc 469

<210> 109

<211> 312

<212> DNA

<213> Homo sapiens

<400> 109
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 gcttagtgct acccatctga acccccagat tactaccaa gtcttccttt tgccccttcc 180

tgccctaaca gcaagtacca ggccagtccc ttccccagca aatgccaggg gcttcatgtg 240
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<210> 110

<211> 289

<212> DNA

<213> Homo sapiens

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tagagcagag tggaggcctg gactcccttt gctcactcca ttcgggtcca cagcgtgagg 180
ttgcctctga caagatgaat gggcactgcc tgcccttcta gtgaaaaggc ttggctatgg 240
ccctgtgtga ctccaggctc caggaacctt gccttcgtca tctgtggat 289

<210> 111

<211> 314

<212> DNA

<213> Homo sapiens

<400> 111
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agtagcaggt gccgagggtc tggatcagaa aaaaaaggca ggcagccggg ttcccactcg 180
ccttccatga gctctccgca gctcaccggc catcacttga agcaaacact cctgaggag 240
ctggttgagg aaggcgtgca tgagctgcat gccgcgggtc cccattgcac actccatgat 300
agtgtctggc gaca 314

<210> 112

<211> 529

<212> DNA

<213> Homo sapiens

<400> 112
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<210> 113

<211> 377

<212> DNA

<213> Homo sapiens

<400> 113
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aatatttgtgt acgttcaata acagaggaac atgctgcctg agtcttctctg aggacagaag 120
gctgcaaaat gagagcacia catctgtgac atcaaatgca ctgtgatttg gcagttaaac 180
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taagtttctt cctcccagtg gcacctggaa cccagtgag atggaaccgt tcaactccct 360
ggaaaggggg ctgaagc 377

<210> 114

<211> 397

<212> DNA

<213> Homo sapiens

<400> 114
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gtgaacggtt ccatctcact ggggttccag gtgccactgg gaggaagaaa cttaaggccc 240
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aaattccttc gacttcagaa ttcattgactt ttctactagc ccaggttaca ttttgtttaa 360
ctgccaaatc acagtgcatt tgatgtcaca gatgttg 397

<210> 115

<211> 450

<212> DNA

<213> Homo sapiens

<400> 115
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tggggatata gaacatgtga tgatgacaga gctgggtcca tatgaacttt tcaaataagag 180
ggaatatgaa gctaatagaga tgtgcagaat cctggaagga cttgggtatt aaaggccttg 240
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gtgcctcatc attaatattg acttataagc aaggatcacc agacacctga gaacatcctt 360
aaaacaaaac ggaatcacia agaatccaga gaatcaagag gtaatccaca gaatggaggg 420
aaacatcaaa atacctctta ttaatatata 450

<210> 116

<211> 428

<212> DNA

<213> Homo sapiens

<400> 116
cagcctcctc tggatctttt ctggttcctt cgctcctaga actgtgtctg atggcttatg 60
aaggcaaagt acaaatgttt gccatatgca catgtatgtc atgaatgaat acatccaggt 120
tctgacttcc tcggggcaac ctctactttc tcaatgcccc tcttaagatg ggggtggggg 180
agggtcctcc tagaactgaa catgatattc cagggtgtgat ctaatacatt taaatgtcca 240
aaagctcttt cttccctaaa cgttcctttt taaaagctac tgttctcaat taatgggtgt 300

ctcatcttct taagtatatt aataagaggt attttgatgt ttccctccat tctgtggatt 360
 acctcttgat tctctggatt ctttgtgatt ccgttttggt ttaaggatgt tctcaggtgt 420
 ctggtgat 428

<210> 117

<211> 462

<212> DNA

<213> Homo sapiens

<400> 117
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 ggagagtttc ccagaattta tgtgaccatt cccaactcag cttctcccct gcttttaaga 120
 caagctatag ttaggttttc ctatcaccac cacagtcctg actttggtaa attttctct 180
 ctcacactta gagattccat ctcagacctt ggcccttcat ctttagcagg tgatactgta 240
 gtcaccggac caacccccag cettgatctc tctgttgga tcacagtgc gttttcatca 300
 caggcaggcg atctggaagt taagtagttg agaagagaga tgatcccagc aaacatgtaa 360
 aagatgtcac tgcaccagtt aagataatag gtccatagga gatctgactc catggcatcc 420
 ctagtatgcc agtgaacctg tgccacaaac aggttgaggc ag 462

<210> 118

<211> 559

<212> DNA

<213> Homo sapiens

<400> 118
 attcggcaca ggtcgaagac cgagcgaagg gaacatttaa ccttgacttt ccacagtcct 60
 gaggttccca aaatacaggg gaacggaaat accaaaggat tatctccaat attccagggc 120
 cttctttctc atctctgtct ttaccatact tactggcctt ggtggctctt cagctcttgg 180
 atccttaatc gaggaagcat gaccaccaac ttggatctga aggtatccat gctcagcttc 240
 atctcagcta cctgcttgct cctctgcctc aacctgtttg tggcacaggc tcaactggcat 300
 actagggatg ccatggagtc agatctccta tggacctatt atcttaactg gtgcagtgc 360
 atcttttaca tgtttgctgg gatcatctct cttctcaact acttaacttc cagatcgcct 420

gcctgtgatg aaaacgtcac tgtgattcca acagagagat caaggctggg ggttgggtccg 480
 gtgactacag tatcacctgc taaagatgaa gggccaaggt ctgagatgga atctctaagt 540
 gtgagagaga aaaatttac 559

<210> 119

<211> 342

<212> DNA

<213> Homo sapiens

<400> 119
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 aacatgatcg aagtgatcat ttactttatc atgtcataaa acacaagtgc ttattgtaga 120
 acagtgatat aattttaaatg gcaaggaaat ttgtgattca taacaaagaa tcctgtatgt 180
 atttgttgcc atgattaact ttccagggtca aatatcagta gtaaaataag ttgtggtaca 240
 aaagaaagcc aagaagttac ctgtactgaa ggaacatttg atttcattta agaaactgaa 300
 ggctggattc tagttaaact tttgttatgt acaaaaatgt tc 342

<210> 120

<211> 486

<212> DNA

<213> Homo sapiens

<400> 120
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 gcaggttaat tgaagtaact gaagaagaac ttaagaaaca caacaaaaaa gatgattgtt 120
 ggatatgcat aagaggtttc gtttataatg tcagccctta tatggagtat catcctgggtg 180
 gagaagatga actaatgaga gcagcaggat cagatggtag tgaacttttt gatcagggttc 240
 atcgttgggt caattatgaa tccatgctga aagaatgcct ggttggcaga atggccatta 300
 aacctgctgt tctgaaagac tatcgtgagg aggaaaagaa agtcttaaat ggcattgcttc 360
 ccaagagcca agtgacagat acatttgcca aagaagggtcc tagttatcca agctatgatt 420
 ggttccaaac agactcttta gtcaccattg ccatatatac taaacagaag gatatcaatt 480
 tagact 486

<210> 121

<211> 179

<212> DNA

<213> Homo sapiens

<400> 121

tttttgtgat aatgtcattt aaggttttat tgtaaaagtc tatttttttct aattaaaaca 60

tttttccac tataaaatat ttaaacagtg cagatatatg tatatataat acagaattca 120

ttagaaatat ccactctggt ctatatcctt ctgtttacat atatttttat attaaatac 179

<210> 122

<211> 320

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (3)..(3)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (10)..(10)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (11)..(11)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (12) .. (12)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (13) .. (13)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (16) .. (16)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (19) .. (19)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (21) .. (21)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (22) .. (22)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (24) .. (24)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (30) .. (30)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (32) .. (32)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (34) .. (34)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (35) .. (35)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (46) .. (46)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (54) .. (54)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (56) .. (56)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (57) .. (57)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (61) .. (61)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (62) .. (62)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (63) .. (63)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (192)..(192)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (229)..(229)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (250)..(250)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (302)..(302)

<223> a,t,g,c

<400> 122

gtntctcccn nnnccncnc nntntctctn gnannccccc cccttncccc ccctnncccc 60

nnntccccca aatcaaggga gctacatggt gctcactgca ttggccgggg gtttgacgga 120

ggcgagcagg gtggcgggct ggggtcccggc aaaggagtct gggtgaaaac gtatagctgc 180

cagggtttcc cncctaatc ttgttattgg tgtaaaaaca gaggggttnt gcgagaggtg 240

gtgggtggcn aaggagggag ccaagagacc aagttccggc caaagggtca gcggcatgca 300

gntattctgg ttacacagtt 320

<210> 123

<211> 271

<212> DNA

<213> Homo sapiens

<400> 123
 tgctctccct caaaggaagt gtttatTTTT tggagctcaa agaccccaga aaaaagcaac 60
 ccccccgca aaaaaaacc ataacaacag gcagcacatg cccccacac cgcaccccat 120
 gcccaatctc aggggtgggag acaagagggg ggactcattg tccggagaga ggctctggag 180
 ggagacagcc ctgtgtcaac ccgactgtgt cccacaccc aggacttccc catggcccct 240
 ccagacctgc tccagaggcc cttctccggc t 271

<210> 124

<211> 476

<212> DNA

<213> Homo sapiens

<400> 124
 tcactacatt aaaccataag cttcaggacg cgtctgcaga ggtggagcga ctgagaagag 60
 aaaaccaggt cttaagcgtg agaatcgcg acaagaagta ctaccccagc tcccaggact 120
 ccagctccgc tgcggcgccc cagctgctga ttgtgctgct gggcctcagc gctctgctgc 180
 agtgagatcc caggaagctg gcacatcttg gaaggctcgt cctgctcggc ttttcgcttg 240
 aacattccct tgatctcatc agttctgagc gggctcatggg gcaacacggg tagcggggag 300
 agcacggggg agccggagaa gggcctctgg agcaggctctg gaggggcat ggggaagtcc 360
 tgggtgtggg gacacagtcg ggttgaccca gggctgtctc cctccagagc ctccctccgg 420
 acaatgagtc cccctcttg tctcccaccc tgagattggg catgggggtgc ggtgtg 476

<210> 125

<211> 476

<212> DNA

<213> Homo sapiens

<400> 125
 gaggggagat gctgaggtca gggcacttat gtgatcaagt gatggagaca gagtaaagag 60
 aatttatgga tatatatgca tatcttgcta ataagtttgg tttatcatca catcaagata 120
 aattgccttt agcatagaac ttgagataag tagacgttca ctagcaagtg ctaacatttg 180
 gatcagggca aaggcgtttc caggagtgtt tttataccag acccctgctt agtccatggg 240

gctgaggcat gtcacataac tcagagcaag agccttctat ttgtgtaaga cccaaccctg 300
 ggaaggatgc ccgagacaat agctatgcct ctgccccagc ctgatgccat gtgatctaga 360
 gcctgggcag caacaaccct gtggtcaaag acatggaaga aacactctgc aaatcccaca 420
 gtctgttcga cggcttgga aggaagcaag tggcattggg acaattgctc tacatg 476

<210> 126

<211> 404

<212> DNA

<213> Homo sapiens

<400> 126
 gaagccctct ccaggcgggc ccgccgactg gccgtgagga tgcgcgccct ggagagctcc 60
 cagaggcccc gcgggtcgcc ggaccgcgct cccaaaacaa catctacagc gcctgcccgc 120
 ggcgcgctcg tggagcggac gctgcaggca caggggaggc ccccgttccc ggccccggag 180
 cgccgttgcc ccccgccccg ctgcagggtg ctgaatctcc ctggctccat gccccatctc 240
 tgaagaccag ctgtgaatac gtgagcctct accaccagcc tgccgccatg atggaggaca 300
 gtgattcaga tgactacatc aatgttcctg cctgacaact ccccagctat cccccaaccc 360
 caggctcgga ctgtggtgcc aaggagtctc atctatctgc tgat 404

<210> 127

<211> 452

<212> DNA

<213> Homo sapiens

<400> 127
 taattttaag tttgaatgta tattttgaaa taaaaatgga aaataacaaa tttgtacaaa 60
 attgtcacat agaaacacac tttaagatac cattacatgc tgtgtgtatt tacaaaagtt 120
 acaggtctag taagaaaaaa gaaactgtca ttgacaaatg cgagctcatt ttttgagcaa 180
 caagaaatct cccgtgaaat gtcatactga cagccagtga gacttggtgc agtgacggct 240
 ccgcacctgc tgaggcctgg agcctgcctc ccgggctgag tgctcagctc tggcctccgc 300
 ctggatgccg tctagagtcc tatgtgctca taggtctttt tctttcagta aacagtataa 360
 aacattacta ttttcctttg attgtaaact tcaacagaaa ataacatact taagaatttt 420
 gctacaaaga gtactatgat ttttattgcc tc 452

<210> 128

<211> 201

<212> DNA

<213> Homo sapiens

<400> 128

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gagaaagaaa ctaatatattt atgtgagaga aagtgtgagc aaactaactt gacttttaag      60
gctaaaactt aacattcata gaggggtgga gttttaactg taagggtgcta caatgccctt      120
ggatctacca gcataaatat cttctgattt gtccctatgc atatcagttg agcttcatat      180
accagcaata tatctgaaga g                                     201
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<210> 129

<211> 417

<212> DNA

<213> Homo sapiens

<400> 129

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aatatacata attttattac aaaatTTTTT ttaaaaaaac gaaatgcaac atcctaaaaa      60
acccaaaatt tactattgat actaattcct acaagtttgc tgtgctacca tacacaagaa      120
attaaaaaaa ccattaaata tttaggaaca ttcaacatca gaagctgtaa aatctaactg      180
tatgagtagc ccatcaaaaa gctacaacct gcatttttta aaagtatttt ctctacagag      240
aatcttatca gctatacaaa aatctgtaca gtttttatac tgaagctagt attgagctgc      300
acttgaattc acattcttag caaaataatt gcctgagcac acacacacat tccacacgca      360
tcattaaagg atagccattt attcttcac ttcacacctc tcctcctcat cttcatc         417
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<210> 130

<211> 468

<212> DNA

<213> Homo sapiens

<400> 130

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aacgaactga atgcaacatt tttgaaagga gaggtttctg tggaactgga aaggggctct      60
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```

ggttgtttcc agctcaccac caaaactggc tggccacaaa gaaccaggc aggatgtact 120
ctgctcagac acaccctcag aggggtgggca ggagagagtg gaccacaaac tcctgttagc 180
ccagaggagg ggttacagct ctgtctgctt aacctgagaa atttccagaa atttcctacc 240
tgctttctact gcagaataat catctggcga ctgtttctag tgagcatgtc ccatgcaaca 300
ggcttttctg agcccccgaa agagcataca agtcaaagga aaaaggacat gaggatgatt 360
tatttggcag tcagatctta agagggcagc agaactagca aatggccaac cctgagccca 420
aatgtgggca gtaggtttgt gtgtgctgaa tgctggctat gctatgag 468

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<210> 131

<211> 228

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (169)..(169)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (203)..(203)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (218)..(218)

<223> a,t,g,c

<400> 131

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ggaaacacac ttgtaccctg ctcccagcat cacaaggcac ttgtctacaa gtgtgtccca 60
acacagtcct gggccacttt cccaccctg ggagcacata aagaagcttg ccaagggggg 120
cgtccttget cccagttgt cctgtttctg taacttatga tgtcttttnc ctgagatggg 180

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ggctcagagg gggaaggcct gtntctgcatt gcttcccnat ggcccacg

228

<210> 132

<211> 323

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (79)..(79)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (297)..(297)

<223> a,t,g,c

<400> 132

tcatgtctgc ctggctgagt cacttcaggg atcccgctgct ggcaccagag agctgtaaga 60

gccacctgca atgggcagng tgtgtgcctg ggacctttca cttccctgct tgtcttctgg 120

ccgcgtttct gagaggcacg cccccacac acatccatgc acacacgctg taattggcca 180

acttcctcct tctgttcttg gaatagcaac cgagacaaaa agcagtttagc acgagtggct 240

tgggcttgcc aacactacaa tttcaggaca aaacccttgt aatttttcca aatggtnngg 300

gtttttaaat taggttgga ttt 323

<210> 133

<211> 232

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(1)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (94)..(94)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (152)..(152)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (188)..(188)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (209)..(209)

<223> a,t,g,c

<400> 133

naaccgttaa acatTTTTat tgtgcaggct tgtaaccttt acaggacatg catgataaaa 60

aattgtaaaa tatatcagta agcatataaa attncagcaa tcttttggac cagtaattga 120

tttgcattgag ggactaagca tctatgtagt ancagacatg tcttggataa cacagtttac 180

agattganc acaaagccat ttcctaagnt gattttcttc atataaggct aa 232

<210> 134

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

<220>
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<222> (1)..(1)
<223> a,t,g,c

<220>
<221> misc_feature
<222> (18)..(18)
<223> a,t,g,c

<220>
<221> misc_feature
<222> (20)..(20)
<223> a,t,g,c

<220>
<221> misc_feature
<222> (340)..(340)
<223> a,t,g,c

<220>
<221> misc_feature
<222> (366)..(366)
<223> a,t,g,c

<220>

<221> misc_feature

<222> (372)..(372)

<223> a,t,g,c

<400> 134

nattcggcac taggccgngn gttggtttag tggctcaaca ttgtgttccc atttcagctg 60

atcagtgggc ctccaaggag gggctgtaaa atggaggcca ttgtgtgagc ctatcagagt 120

tgctgcaaac ctgaccctg ctcaagtaaag cacttgcaac catctgttat gctgtgacac 180

atggcccctc cccctgccag ggagctttgg gacctaatcc aaggcatccc ttgcccaga 240

aagaagatgg gggaggaggc agtaattaaa aagattgaag tattttgctg ggaataagtt 300

tcaaattctt cttgaacttc aaacttgagg ggattttcan cctgttaaac ctgagtcctg 360

accagnaagc tngcctgggg g 381

<210> 135

<211> 468

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (127)..(127)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (349)..(349)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (366)..(366)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (461)..(461)

<223> a,t,g,c

<400> 135

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attgggttca aatttggtctg atgtccaaat gcagcagaga agaacggcgg ggcgaaggga      120
cacagtnttg ctgacaagggt gacactgaac acaacagttt tcctttaatt gtaaaagcgg      180
gcatcgacag ctggtgtgag tcaattaacc aaggcaggga ggggactcaa tgttttacaa      240
gcagagggaa aaccaaagta ggcagagaac tttcaagaga ggagagggcc agaacactga      300
ggaggaaaaa gctgcagcag aggccttgct gggagaacag tgggtcagnt cttctggctt      360
cacttngggg gaacacagtt gacccttttc attaaccctc agggtggttg ttgacttcgc      420
ttcccggggc atgctttctt cacagtaggt tttgatccct nccaccaa      468

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<210> 136

<211> 387

<212> DNA

<213> Homo sapiens

<400> 136

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cagaagttgc ctatgtgtga caaatgtggc actgggattg ttggtgtggt tgtgaagctg      60
cgggaccgtc accgccaccc tgagtgttat gtgtgcactg actgtggcac caacctgaaa      120
cagaagggcc atttctttgt ggaggatcaa atctactgtg agaagcatgc ccgggagcga      180
gtcacaccac ctgaggggta tgaagtggtc actgtgttcc ccaagtgage cagcagatct      240
gaccactggt ctccagcagg cctctgctgg cagctttttc tctcagtgtt ctgggccctc      300
tcctcttctt gaaagttctc tggcctactt tgggtttttc ctctggcttg taaaaacatt      360
gagtccccct ccctgccttg ggttaat      387

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<210> 137

<211> 290

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (20)..(20)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (189)..(189)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (234)..(234)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (256)..(256)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (261)..(261)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (267)..(267)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (273)..(273)

<223> a,t,g,c

<400> 137

gagtttaatg attacatggn gctgagtcag gaggtaggag gagattctta aatctctgaa 60

gagttctggg ctggggttct gggaggcaag gggctggaaa atttgggcca ctgattggtc 120

agggtaaggg agattgaatc attaggatat ggaaattgca ttctttgatg atttagcttc 180

tggtagggnc cttcagacca ggctgacatc agtagtttca tcagtatgca ggncaacca 240

atcatggcca agtcncnttt naggganttt gtncccgtag gatttatccg 290

<210> 138

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (298)..(298)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (345)..(345)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (359)..(359)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (386)..(386)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (399)..(399)

<223> a,t,g,c

<400> 138

gctgatcgaa cagcctcact tgtgttgctg tcagtgccag tagggaggca ggaatgcagc	60
agagaggact cgccatcgtg gccttggtg tctgtgcggc cctacatgcc tcagaagcca	120
tacttcccat tgcctccagc tgttgcacgg aggtttcaca tcatatttcc agaaggctcc	180
tgggaaagag tgaatatgtg tcgcatccag agagctgatg gggattgtga cttgggctgc	240
tgtcatcctt catgttcaag cgcaggaagg aatctgtgtt cagcccgcac aaccatantg	300
tttaaggcag tgggatggaa agtggcaagc ttgcccaagg aaaanggggtt aaagggaant	360
tttttgccac agggaaggaa acacntggg caagagggna ccatttacca gggggca	417

<210> 139

<211> 442

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (334)..(334)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (342)..(342)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (360)..(360)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (384)..(384)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (407)..(407)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (437)..(437)

<223> a,t,g,c

<400> 139

acacttatcc cactttttat tttttacaaa aacgtgctca tttaatagaa atgattgatt 60

atataaaatt gtttacacat gtataaaaac taggaacacg tatgtaggta agcaatcaaa 120

atcatgcttt ctgtagaaa agttaacact tctgtgaata gactggatga cttcctttta 180

gtttggatgt ctgggtcgga ctcacgagac gctgggggtg ggggtgtgggt gcttgacatc 240

```
agcctctggc aaagcactaa taaaaggga ccccaaagct gactgtgtac acaaatgggg 300
ctttccataa ggttcattac atttcctttt ccangtcagg gnaaacttca acagtgggtn 360
gctactgtgg ggtctgtccc ttgnagggtt ctggaggccg tgccaantgt taatatcccc 420
gcattccatcg tctccgnagt ct 442
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<210> 140

<211> 380

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (60)..(60)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (329)..(329)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (334)..(334)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (349)..(349)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (363)..(363)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (368)..(368)

<223> a,t,g,c

<400> 140

caaccatctt ggcttcttca aacaaagtga aaagtgggga cgacatcagt gtgctctgcn	60
tgctcctgggg gagcccgatg tggaggtgga gttcacctgg atcttcccag ggcagaagga	120
tgaagggcct gtgacgatcc aagacacttg gaggttgatc cacagaggac tgggacacac	180
cacgagaatc tcccagagtg tcattacagt ggaagacttc gagacgattg atgcaggata	240
ttacatttgc actgcttcag aatcttcaag gacagaccac agtagcttac cactgttgag	300
ttttcctgat tgggaaaagg gaatgttant gaanttatgg gaaagcccnt ttgtgttaca	360
cantcagntt tggggtttcc	380

<210> 141

<211> 500

<212> DNA

<213> Homo sapiens

<400> 141

ggagtgaaaa agacgctgta tttgatttac aatgaacaag atttacaaaa aggggtgggg	60
tggtcttgga actgctccca gtccccccgg actgggtggg gctctagggc agcctgtctg	120
acagaccagg accccaggat gtctgggccc cgacgtagga cttgacctac gtctcacttg	180
acctttgacg tggggcccag cagccgtgag tccaccaga gtgccggcac ccttggtgag	240
gccggtgagg tcaggaaggc atcgtaccgc tttttctcct cctcccatct cgtggtggac	300
agacagacat aggatctggg aacttgcctt ggggcgcaca ggctcagtat ccccagggg	360
cccaacctag ggcattggagg cggctgctgg tgcgtgggcg gaggcggagg cagtctgccc	420

ccagcgtggc agcgtgaaggc acattttcaa atcactcgag actcgacagt gaacacccga 480
 tgctggttct gcggccggag 500

<210> 142

<211> 256

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (53)..(53)

<223> a,t,g,c

<400> 142

gtgctgtgaa aaaaaaaaaat gctgaacatt gcatataact tatattgtaa ganatactgt 60
 acaatgactt tattgcatct gggtagctgt aaggcatgaa ggatgccaaag aagtttaagg 120
 aatatgggag aaatagtgtg gaaattaaga agaaactagg tctgatattc aaatggacaa 180
 actgccagtt ttgtttcctt tcactggcca cagttgtttg atgcattaaa agaaaataaa 240
 aaaaagaaaa aagaga 256

<210> 143

<211> 434

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (10)..(10)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (120) .. (120)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (147) .. (147)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (197) .. (197)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (241) .. (241)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (249) .. (249)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (405) .. (405)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (421)..(421)

<223> a,t,g,c

<400> 143

tagcttaagn tatttattca atgctctcac atttggcctc tgtgacctag aaaagcggta	60
gagcagggtg ggagcacatg atgcatcctt cagccactgc aacctccaga gggaccaggn	120
cttcttcagg aaatcttcgt tcctggngga tgactgatca gccataactg caagacacag	180
acatttagca cctccgnttg cagactaaac acccaccctg actgccctca tcccatgagg	240
ntccagggng cctttgcccc aagaagcctg ggtttccata ctacatccct caccatgggg	300
agaagtccctg cgttctccat ttctccatcg ttgggcttct cctggggagt catgccaatc	360
attgggtctg ggtccccgtt caaagttttc cacagggcc cacanagttt tcccagctgg	420
ngcatttggt gaca	434

<210> 144

<211> 542

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (23)..(23)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (165)..(165)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (321)..(321)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (369)..(369)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (376)..(376)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (461)..(461)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (472)..(472)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (499)..(499)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (506)..(506)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (511)..(511)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (526)..(526)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (537)..(537)

<223> a,t,g,c

<400> 144

gcaaagattc acaatattta ttnattctcc tccaacatta gcataattaa agccaaggag 60

gaggaggggg gtgagggtgaa agatgagctg gaggaccgca ataggggtag gtcccctgtg 120

gaaaaagggg cagaggccaa aggatgggag ggggtcaggc tgganctgag gagcagggtg 180

gggcacttct ccctctaaca ctctcccctg ttgaagctct ttgtgacggg cgagctcagg 240

ccctgatggg tgacttcgca ggcgtagact ttgtgtttct cgtagtctgc tttgctcagc 300

gtcagggtgc tgctgaggct ntagggtgct gtccttgctg tcctgctctg tgacactctc 360

ctgggggant taccnattt gggagggcgt tatccacctt cactgtact ttggcctctc 420

tggggataga agttttttca gcaggcacac aacagaggca nttccagatt tncaactgct 480

catcagatgg ccgggaagnt gaaggncagt nggtgcagcc acattncttt tgatccncca 540

ct 542

<210> 145

<211> 514

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (390)..(390)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (418)..(418)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (436)..(436)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (459)..(459)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (470)..(470)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (496)..(496)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (502)..(502)

<223> a,t,g,c

```

<400> 145
cagcctcccg cgctcgctc agtccaaca tggcaaaaat ctccagcct acagagactg      60
agcgggtgcat cgagtccttg attgctgtct tccagaagta tgctggaaag gatgggtata    120
actacactct ctccaagaca gagttcctaa gcttcatgaa tacagaacta gctgccttca    180
caaagaacca gaaggaccct ggtgtccttg accgcatgat gaagaaactg gacaccaaca    240
gtgatggta gctagatttc tcagaatttc ttaatctgat tggtaggcta gctatggctt    300
gccatggact ctttcctcaa ggctgtccct tcccagaagc gggacctgga gggaccctt    360
gggccctggg cttttcaaac ccacccctn ttcctttcca gcctttctgt tcatcatntt    420
ccacagccca cccttncctg gaggcacatt aaccacctna tggtagggtn ccaactggtc    480
attagttatt aaaggnaatg tnaatttttt ttaa                                514

```

<210> 146

<211> 514

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (383)..(383)

<223> a,t,g,c

```

<400> 146
tttttttttt tttttttttt agtataaaca tgattaatta gcttttaata ctactctttg      60
atgtattact catattacca aggaataact ggcgggcaca gggtcagggtg ctgaaggac    120
attgtgagaa gtgacctaaa aggcaagagg tgagccctct gtcacgctgg cataagggcc    180
gcttgagggc tctttggtca agcagtaacg ccagtgtctg ggaaggcacc tgttactcag    240

```

```

cagaccatga aagggcgctct ccctttcctt ggaggagtca gggaaacactc tgctccacca 300
gcttcttggtg ggaggctgga tattatccag gcctgcccgc agtcatccgg aggcctaacc 360
cctccctgtg gtgcttcagt ggnacacactc cttgtccact ttcattgctcc tcttggcctc 420
ctggttccct tttgaagctt tgagtacata gccagagaag aaatagcgaa agtccttaag 480
tcttgatctt tcttttaggg ccgagaaaaa atgc 514

```

<210> 147

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (192)..(192)

<223> a,t,g,c

<400> 147

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catgtgggaa gtgatgagtt atggagaacg gccttactgg gacatgagtg agcaggaggt 60
actaaatgca atagagcagg agttccggct gccccgcct ccaggctgtc ctctgggatt 120
acatctactt atgttgagaca cttggcagaa ggaccgtgcc cggcggcctc attttgacca 180
gctggtgggc tn 192

```

<210> 148

<211> 370

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (138)..(138)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (255)..(255)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (265)..(265)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (282)..(282)

<223> a,t,g,c

<400> 148

acttgtttga ggtgatttag gattaccaac tctgggaaaa aatattcaca gccacattat 60

aaaaaacatt atcggcagga ttcattctct gctccttttag aataagaact tttcttttgt 120

ttgtggaact ttggaatnta caagcaagac gttcattcat gctttaaaat gctgtttaac 180

aattgcttag cactttacca gggagaatgt ttctcctgag tgtttaccac cctattctgt 240

aatacagttg aggnccaca tcaangctat ctattccttc cngggcccag aggaacacac 300

acattttaatc tgaggtgcat tgaggtacca caggctgagt gggaggaaag ggattagggg 360

agggaatta 370

<210> 149

<211> 351

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (253)..(253)

<223> a,t,g,c

<400> 149

```
ggcatatgca tagtgaaagg agtgagggt gcaagttcat ggatgcatta ttttctcgtt      60
ttcgttttga gggaaatata tgctctgtca ttgacttgca aggattttct ttttattctt    120
aattgcctcc ctaatccttt ctccactcag ctgtggtact caatgcactc agattaaatg    180
tgtgtgtttc tctgggccag gaaggaatag atagcattga tgtggaccct caactgtatt    240
acagaatagg gtngtaaaca ctccaggagaa acattctccc tgggtaaagt gctaagcaat    300
tgttaaacag catttttaaag catgaatgaa cgtcttgctt gtacattcca a            351
```

<210> 150

<211> 414

<212> DNA

<213> Homo sapiens

<400> 150

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tgtctgaaag tatgcttttt attgcagcca taaaccttaa tacagatctt tttgttatta      60
tcaatattat ttaatattag tggcagccac atgagcgtac taccatattt ctatattttt    120
tcaaaatgac attggagctg tcatcaaagt acagaacaga gatggcattt aatttggttg    180
gagcacaaca aggcttttgt acgtggtcag gaaacatcag atgaaccaga gtctgaacta    240
tagcgtgggt ggtggcattc atatgggcgt taagtggaaa agaacattct ccatcacaat    300
aaaatgcagc gtatccttct ggtgctataa tccagtcctg ccatcccaga tcccgggaagc    360
tcacatagag ttcgtgcttc ttacaggctt gttttgctca cttgtgtata atct          414
```

<210> 151

<211> 439

<212> DNA

<213> Homo sapiens

<400> 151

```
tgtaactcca gttttacttt aagaggataa tacagatttt tgtagctggg gaaggtgagt      60
```

```

gggaaggtag aggttgtgga aaggctggga aacatcagaa tatatttatg acacaagaca 120
tttgaccaac ccaagcaatg ctttgtgcct gtgcctccag acacacacac acacacacac 180
acgcacacac acacacacac catgtaaggc accactggat tatagcatgg aggggacaaa 240
tgccccctgc cctaaacctg gccacagcca gcccatcccc ctgtggggcc tctgtccaag 300
tctgtggggg agcgtggcct tgctactcaa tggcaactgg atttcaagag tttcaggaag 360
ggtggggggg caagatatca aaggctcaag ctactcccc ttcgtccaga cagacttttc 420
atTTTTTgtt tgatgaaga 439

```

<210> 152

<211> 389

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (3)..(3)

<223> a,t,g,c

<400> 152

```

aanaaaaaaa tctgggaggg gcatttttat aggaccata accattgaca gttaatatca 60
gccacaataa gggaccttca ggagccgctt tctagacca ggtctcttg gaagcctcat 120
cccacacct ctctgtgtgt ccagggccat ctgggagctg gtctgagtgt cactgagtc 180
cgtttatttg gcggtctgtc tctactgggtt tgcacgacag tttggacatc tctgtgtggc 240
tcctgtgggc tgaaggcttg tcgatttttc cgtaagaggc tccccagggt ctgtctatgg 300
gtccgtgttt gatatttggg tggatctttg gggaacgcga gtccagggtg aggggtccatt 360
cgtggggaaa accaccagc attgtgtca 389

```

<210> 153

<211> 474

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (71)..(71)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (319)..(319)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (427)..(427)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (442)..(442)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (456)..(456)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (472)..(472)

<223> a,t,g,c

<400> 153

```

ggctgcggct ggagattcgc gcgctcggac gactgacccg ccactaccgg aaacacacgg      60
ggcagcgctt nccgctgcc a gctctgccca cgtgcttttt cgcgctctga ccacctggcc    120
ttgcacatga agcgccacct ttgagccctg ccctggcact tggactctcc tagtgactgg    180
ggatgggaca agaagcctgt ttggtggtct cttcacacgg acgcgcgtga cacaatgctg    240
ggtggttttc ccacgaatgg accctctcct gggactcgcg ttcccaaaga tccacccaaa    300
tatcaaacac ggacccatna gacagccctg ggggagcctc ttacggaaaa tccgacaagc    360
ttttagccac agggagccac acagagatgt tccaaatfff cgttgcaaac ccagtgagac    420
agaccgncaa ttaaacgggt tnattggaca tttagnccag tttccagatg gnct          474

```

<210> 154

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (14)..(14)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (346)..(346)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (398)..(398)

<223> a,t,g,c

<400> 154

```

ggcagcagca aganaggagt tctctgatgc agaaattatt gggctctttt agggtaagaa      60
gtttgtgtct ttgtctggcc acatcttgac taggtattgt ctactctgaa gacctttaat    120

```

```

ggcttccctc tttcatctcc tgagtatgta acttgcaatg ggcagctatc cagtgacttg 180
ttctgagtaa gtgtgttcat taatgtttat ttagctctga agcaagagtg atatactcca 240
gggacttaga atagtgccta aagtgctgca gccaaagaca gagcggaaact atgaaaagtg 300
ggcttggaga tggcaggaga gcttgtcatt gagcctgggc aatttnagca aactgatgtc 360
tgaggatgat tcgaggtggg tcttacctca tctactgnaa aattctggta aggaatggga 420
ggg 423

```

<210> 155

<211> 477

<212> DNA

<213> Homo sapiens

```

<400> 155
ttttttttca ttgccataat tttttattat gtatcaaatt gtcttcaata taagttacaa 60
cttgattaaa gttgatagac atttgtatct atttaaagac aaaaaaattc ttttatgtac 120
aatatcttgt ctagagtcta gcaaatatag tacctttcat tgcaggattt ctgcttaata 180
taacaagcaa aaacaaacaa ctgaaaaaat ataaaccaa gcaaaccaaa cccccgctc 240
aactacaaat gtcaatattg aatgaagcat taaaagacaa acataaagta acttcagctt 300
ttatctagca atgcagaatg aatactaaaa ttagtggaac aaaaacaaac aacaaacaac 360
aaacaaaaca aaacaaacaa acaaaaaatc ccaccaatct tcatgggtaa actttcctgc 420
tcagggatgt aagctgactc tagaccatct cgcggttcct gcggatagca cagcaca 477

```

<210> 156

<211> 477

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (277)..(277)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (386)..(386)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (428)..(428)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (433)..(433)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (449)..(449)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (461)..(461)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (468)..(468)

<223> a,t,g,c

```

<400> 156
gtagcgggtg ggccttggcc cagcgtcccc tgccagcatc ctcgtgggct cacagacccc 60
ggcctcggag cccgtctggc acccagagtg accacaagtc cagcagggag gcggcgccgc 120
catcgccgtg tccgtgtttt ctttttcagc cccggagagg gtcttgacct gggggcttct 180
ccaagcctca ctgcgccagc tccccgcccg ctctcttttc tccaagcaa aaccaaatgc 240
gcccccttcac ctgcgctgcc cgtgcgaggc cgggggnttc tttcagagcc cgcgggctct 300
ctcatacatg gcttctgttt ctgccgagag atctgttttc caattatgaa gccggtcggg 360
ttggtcagac tcccgacaac cacgtncag gtaaccggtg ggaaaagtgg gcagttccga 420
gggcgcanat ttngggtggt tggcagggnc cccagagggt ncgggttnaa ctgggga 477

```

```
<210> 157
```

```
<211> 608
```

```
<212> DNA
```

```
<213> Homo sapiens
```

```
<220>
```

```
<221> misc_feature
```

```
<222> (590)..(590)
```

```
<223> a,t,g,c
```

```

<400> 157
atcatttttt ttttgtttca ttttgtttg aacactaaga tttattttca aacagcacac 60
agaccgtctg cggggcagag ccaggctagg ctggtgtctg ggccccaccc acagcagctg 120
ccaggaaaag aggacccttg cccgggtggc gcggccgaag cttcaggcaa gcatggtggc 180
tcggcagccc ccagccccgc cctgcggcca ggcacacatg cgggcacagg caggggcgcc 240
agaaactcaa ctagaggaca cagcagcttc aggaacactg gtgaattccg ccggacttgc 300
cgggacgcgg ctcttttgaa aacgacctaa tctttgggag aacgcccctc tgcctggggg 360
tctcctcttg atttcccttt gctcttcaaa agatgaaaaa cgaaaacaaa acaaaaaaaaa 420
gaaccacaca tttttcggga ggaggtgttc ttcacacgcc cggaggtgc ctgggccccg 480
ccgtcatggg accctctcag tgaagttctt cgggaagacg ccacggcact tctccagctc 540
cttgtgctgg tccagtcgct cttcttcacg cccatgagcc agccttcatn ctgctcttta 600

```

ggggtctg

608

<210> 158

<211> 553

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (391)..(391)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (502)..(502)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (525)..(525)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (535)..(535)

<223> a,t,g,c

<400> 158

ttagactgca cactagaatt tgattcagaa tcaaggtttg taacaagctg aaagtgactc 60

gtcagttcag ttttgcagat agatgagcag tcccttgttt ccttggaac tcggacctga 120

gcatatgcag cttggaatgt gcaccttcac gttttcaatc gagcagatac aggatgagtt 180

tctccaaga gattcaatat gttgcctttc ttttcttga tgtagcttct agtggtgacc 240

```

aggtggtttc agtccattca agtctcaagt aaaactccaa gtaacgaggt gactggtgca 300
tcttttataaa atgagtattg tacacatact tcttccaagg caaatactta gtcaaaaacta 360
aacaaatttg tagagggcca aattgtcctg ntgtttctca gtttatttat ttcataataa 420
cagccaccaa tacaggtggg tttgaatggt ttccaaaaat aaacaactac taccctaaat 480
aaaacaaaca ggggttaggat cnggtttcct ggtccatact tctcncctgtc cttcncactg 540
ggggtcccta cct 553

```

<210> 159

<211> 370

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (277)..(277)

<223> a,t,g,c

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<400> 159
tttttttttt tatggtatat ttctttttac tcttaaaaaa aaaaaagttc acaatgataa 60
cctgcaaact tgcagaaagc gccacgggtt tcaagctcct caccttcgga acatcacctt 120
atccttcccc ttcccttaaa atcctagatg aaaattcccg agaaagcaga agaggccccc 180
agatgggcgg attcccaatc ccggacccct gcggcagggtc gaggcattga agaaataaat 240
taaaggagag gtgggtcctg ggctggcctt gtccagntct gtctcgcaga cccagcggtg 300
gggcctctgg gaggacgtcg tcgttccagc ggccgctcgtc ggggtgaagtg gggcacagtc 360
cttcgccttc 370

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<210> 160

<211> 413

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (97)..(97)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (215)..(215)

<223> a,t,g,c

<400> 160

accgcccgca tttcttcatg tacatgggtc ctctagact actagggccg ccttagcttg	60
ctaccctttt aggaccctgg agctgtgcc a gggtcnctc tgtccccgcg ctctgacac	120
cccctctct tgcagggcca cctctcccc agccctcct gcagcgtctc tgctccggac	180
ctcgctcct cctgctctcc ctgggcctca gcctncctgc tgcttggtgtg	240
atcggatccc aaaactccca gctgcaggag gagctgcggg gcctgagaga gacgttcagc	300
aactttcaca gcgagcacgg aggccagg tcaagggtt gagcaccag gggaggcatt	360
tggggaagaa agatgaattc gttagagttc ccagtttgga gaaaacagca gaa	413

<210> 161

<211> 442

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (50)..(50)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (377)..(377)

<223> a,t,g,c

<400> 161
 tacttaacag attatatgtg tcctgtgata gcagggttat gttttaacn tctttgcctt 60
 tcccagtatc ttgcaaagag taaataattt ctaaacadat attatcattg ttgccatttt 120
 tcttgataat tatgatgaca aggagaagaa ttttctactt tacttccacc atatttaaaa 180
 attgaaatac aaactcaca aaatgggtag tgtcctgatt attgtagtca tgcatacatg 240
 gagtatgttt gaaaggattt gttttaaggc gaaacacagt tttttaaaatt agttaaaaat 300
 aaaagcatat actatgcact ttatgtgctt aaggcatgct atgattataa ttatagagat 360
 attaaaaatg aattttnggc caagtatggg ggcttacacc tgtaatccca aactggggag 420
 atcgaggtag gcagatcgct tt 442

<210> 162

<211> 466

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (434)..(434)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (452)..(452)

<223> a,t,g,c

<400> 162
 tctctttgta agtaacttta tttttattta caacagaatt ggtggcttta ttctccatc 60
 tttagggaca cttggcatta gcagctagat ggaaagtccg cagtgaagtc aaactcattc 120
 tgccccagcc acagctccgg aagctcattg gctcgggtcca accccagttc caccaccagc 180

```

gacatcagca ctctctcatc cactgggtcc gaatcgatga tagcagggct ctgggcacca 240
gcagaaggag agagtgattc tgcccctccc gcctgggccc caaagtccca gttttgcagg 300
ggctctgcct ccccggttg gcctggagtg gcaagcagca tcccctgata ctgggctatt 360
aagtttctgc agctgcatac tagccagcaa gtgaggggcg ggtgcagggt tgaaggatgg 420
gggttttagtg gganggggtgg ttgtaggaga gncatttgga gattcc 466

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<210> 163

<211> 515

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (456)..(456)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (507)..(507)

<223> a,t,g,c

<400> 163

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eggacttgga gtcagagaga cctggctgcg aatcccggct ccgcactttt ctagecgtgt 60
gaccttggtt ttcaggtggc gaaactgact ggtctgggta gagcgcgtcc aagccaagcc 120
gcagtgctgt ttggatTTTT aaatttctcc ttctgagtga gaaaatagca atcgagatgg 180
aaccatccgc acaacagctc cagctggcag catcacttcc cgccaattta tccaacttct 240
gccaaaggctc tgaaatgcc acaacgtcga ggctgcact tgatgtcaag ggtggcacct 300
cacctgcgaa ggaggatgcc aaccaagaga tgagctccgt ggctactcc aaccttgcgg 360
tgaaagatcg caaagcagtg gccattctgc actaccctgg ggtagcctca aatggaacca 420
aaggccagtg ggggctccca ctaagttcct cgggantctc caataggctc tcctacaacc 480
accccttcca ctaaaccccc atccttnaaa ccttt 515

```

<210> 164

<211> 333

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (177)..(177)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (264)..(264)

<223> a,t,g,c

<400> 164

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tttttttttt ttctgcaagt ggtggaatth taatattgta taaaaaatcc aacttgttcc      60
acaagtacat atgtcctatg attttatgca tacatccata tacatatatc aaggtaaagt      120
ccaatacaaaa aaaacagcat ttcctatggc cagtgttcta cagaagtaag actgtgncaa      180
actttatcgt atagtcaaht gagtattgac aactaagga caggatgagg cagaagcaag      240
ttgtgtccac agtatattac aaantacctt gcatagctta ttcattctca cctgggtaaa      300
ttcatcttag gaattctgaa gggttttttt cct                                     333

```

<210> 165

<211> 404

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (54)..(54)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (149)..(149)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (151)..(151)

<223> a,t,g,c

<400> 165

cagagttcac tctgagaaac ttcaactcag ccaaagacat gaaaaaagcc gtgnccacat	60
gaaatacatg ggaaagggct ctatgactgg gctggcctga aacacatggt tgagagaagt	120
tttacccaag gagaaggggc caggccttnt nccacaaggg tgcccagagc agccattgtg	180
ttcacgcacg gacgggctca ggatgacgtc tccgagtggg ccagtaaagc caaggccaat	240
ggtattcact atgtatgctg ttgggggtag ggaaaagcca ttgagggagg gaactacaag	300
agatttgcct cttgagccca caaacaaggc atctctttct attgcccga gatttttcag	360
cacattggat tgagggttaag ttgaaaaaac ttccaaggaa gggc	404

<210> 166

<211> 466

<212> DNA

<213> Homo sapiens

<400> 166

ttgacactat atgattccat ttatatgaaa tatccagaat aggtaaagcc atagcaacaa	60
agtagattgg tgggtttcca ggagctggga ggagggggaa ataggaacac ttgcataatg	120
gttatgggtc ttgcttttgg ggtgatgaaa atatttggaa ctagacagag atgctggttg	180
cacatcatga tatctagttg ccacggaatt gtttacttta aaatggtta tttcatctta	240
tataaatttc acctccatca aaatgaaata ttttagaaag agaaagttaa aaaaaaaaaa	300
cctatgtgtt ccaccgaaca caaccaacc cttgctctca ttcccatctt ctggttcctt	360

gtgtgcccacat tgtcagtgcc atgggtatca aatccagtgc ccattgtcag tgccatgggt 420
 atcaaacag cttaatgatg cagattactg ttggggcctg ttcctg 466

<210> 167

<211> 453

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (440)..(440)

<223> a,t,g,c

<400> 167
 caccatcaag gaggaaggcc tggttcttca agcctatgga aattcctaga gacagataaa 60
 tgtgcaaacc tggtcatctt gccaaagaaa atccgctttt ctgccacaga aacaaaatat 120
 tgggaaagag tcttgtggtg aaacacccat cgttctctgc taaaacattt ggttgctact 180
 cgtgtagact cagcttaagt catggaattc tagaggatgt atctcacaag taggatcaag 240
 aacaagccca acagtaatct gcatcataag ctgatttgat accatggcac tgacaatggg 300
 cactgatttg ataccatggc actgacaatg ggcacacagg ggaacaggga aattgggaat 360
 tgagagccaa gggtttgggg tttgtgttcc gtgggaacac catagggttt tttttttttt 420
 ttaaaactttt ccccttttcn aaaaatattt tca 453

<210> 168

<211> 186

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (131)..(131)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (158)..(158)

<223> a,t,g,c

<400> 168

aagaggtggt tagtgtaatg agtggtcaga tgggtggggc aggggtgggt tcccccatct 60

gaccctctag ggctctgggg tgactcattc ttccttgggc tcagaggtgg agctgatatt 120

tgttcctcca nttgagccct gctccccctg gcccttgngt ttctcagtgt ctccagacac 180

tagagc 186

<210> 169

<211> 510

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (357)..(357)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (411)..(411)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (434)..(434)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (454)..(454)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (466)..(466)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (503)..(503)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (432)..(432)

<223> a,t,g,c

<400> 169

tttttttttaa ccgttaaaca tttttattgt gcaggcttgt aacctttaca ggacatgcat	60
gataaaaaat tgtaaaatat atcagtaagc atataaaatt tcagcaatct tttggaccag	120
taattgattt gcatgagggg ctaagcatct atgtagaaca gacatgtctt ggaatacaca	180
gtttacagat tgaatcacia agccatttcc taagtgattt tcttcatata aagataaaaa	240
tatctttaca tttaaaaagt atgcagtata gcacattttc agttatgtac acagtttaaa	300
agtaaaacta tatccatgcc agtgtctgtt ttaaatgcaa aaagtcaaag taggtancag	360
gttggttaatt aaagtgtcag gaagctggaa gaggcaaaaa caaccagagt ncaataagt	420
tatgaaaaaa aanatactg aggtttaaga aagncccaag cagaanccat tgacagagga	480
ataaaacttt ggatatccag canttctgtc	510

<210> 170

<211> 448

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (432)..(432)

<223> a, t, g, c

<400> 170

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ccaaactaat ccatcaccgg ggtggtttag tggctcaaca ttgtgttccc atttcagctg      60
atcagtgggc ctccaaggag gggctgtaaa atggaggcca ttgtgtgagc ctatcagagt      120
tgctgcaaac ctgacccttg ctcagtaaag cacttgcaac cgtctgttat gctgtgacac      180
atggcccctc cccctgccag gaagctttgg acctaatccc aaagcaatct ctttgcccag      240
aaagaagatg ggggaaggag gcagtaataa aaagattgaa gtattttgct ggaataagtt      300
caaattcttc tgaactcaaa ctgaggaaat ttcacctgta aaccctgagt cggtagacaa      360
agctgcctgg tatatccaaa agctttttaa ttcctccctg gctcatattg tggattccgg      420
ccttttgggg ancttttctt taaacctt                                     448

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<210> 171

<211> 377

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (97)..(97)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (203)..(203)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (327)..(327)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (332)..(332)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (409)..(409)

<223> a,t,g,c

<400> 171

gggggttttac cagttttatt tctagacttt catgtttgtc tttttgtctt ctgctggaaa 60

catgccggtt acatgttggt gctgggaagc gccgcgntgc aaccagaaat gcacagaccc 120

agccgcccgc cgcccagacc ctcagacttg cgcgtcacag gacagactcc gctgtgcccc 180

gtgcacttgc caccagcctt tgnctctcga tacacacaac atccaggact tgtgcccttg 240

ccccatcacg acagacaaaag cgtccctcaa ggcccccgcg tggttcagac agacgccgca 300

gccaggatgg ttcgaggtaa gcgtganccg tngttctgga ggggtggggc ggggtgggcc 360

tgtgccgaag atggcct 377

<210> 172

<211> 434

<212> DNA

<213> Homo sapiens

<400> 172

```

agctatggaa gttgcataat tattattatt attattataa caagtgtgtc ttacgtgcca      60
ccacggcggt gtacctgtag gactctcatt cgggatgatt ggaatagctt ctggaatttg      120
ttcaagtttt gggtatgttt aatctgttat gtactagtgt tctgtttgtt attgttttgt      180
taattacacc ataatgctaa tttaaagaga ctccaaatct caatgaagcc agctcacagt      240
gctgtgtgcc ccggtcacct aagcaagctg ccgaaccaa aagaatttgc accccgctgc      300
gggcccaccg tggttggggc ccctgccaat ggcagggtca atcctgtgct cggaggccat      360
ctcgggcaca ggccaccccc gccccacccc tccagaacac ggctcacgct tacctcaacc      420
atcctgggct gcgg                                           434

```

<210> 173

<211> 413

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (409)..(409)

<223> a, t, g, c

<400> 173

```

attatgccag agaaatgaag tttattggga agtaaataaa gtctcctcct tgcattccag      60
agaatgcaa agaaaaaagg aaaacaggaa atgcagtagt acgttcagga aacaccttaa      120
gtagtaactg ggagctcaga ttacagggag ctgaacatct ttagaaacaa acaggctcga      180
ccctcaacag gaaggagtgt tccagacatt ggaagttgat gatgtgtgtc tttgcttggg      240
tcaggaaagc ttttcagcat tctagaaata acatagaggc aagatgaggt ttcttgatgt      300
cagctgagct ccagaaaagt caggacttga ggatccttcc tgtggttgat ctaaattggt      360
ttgtagatgt cttcaaagag gatacaagct tttcaattac agcaaccnt ttg                                           413

```

<210> 174

<211> 464

<212> DNA

<213> Homo sapiens

<400> 174

```

ctggagagtg aggactgcaa gctccctgc aacccatgcg ccaccaccaa tgctagtggc      60
aactcctgtg gaccctgtgg cacctctcaa aagggttgct gtaattgaaa agcttgtatc      120
ctctttgaag acatctacaa agccatttag atcaaccaca ggaaggatcc tcaagtcctc      180
gacttttctg gagctcagct gacatcaaga aacctcatct tgctctatg ttatttctag      240
aatgctgaaa agctttcctg acccaagcaa agacacacat catcaacttc caatgtctgg      300
acaactcctt cctgttgagg gtcgagcctg tttgtttcta aagatgttca gtcacctgta      360
atctgagctc cagttactac ttaagggtgtt tcctgaaccg tactactgca tttcctgttt      420
tccttttttc tttggcattc tctggaatgc aaggaggaga cttc                        464

```

<210> 175

<211> 368

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (11)..(11)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (48)..(48)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (205)..(205)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (347)..(347)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (349)..(349)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (351)..(351)

<223> a,t,g,c

<400> 175

ctgaaaaaat ngaaggcaca tttattaaat gactgggaga aattccanag tatgtagaat 60

gggaataata atacataaca ttgtatTTta tgttccattt tttaaaatga gtccaaggaa 120

gttaaaatat tctTTtaatt aagacactca aagaaatgga aataagaaaa attgatgcaa 180

ggactccttc aagttaagat ttgtnataca aatattttca tctTTtaaca gggcaagctg 240

atgtgttcac atctcagttt caagctgcct ctttcactag gaacatcagt atTTTTTTTT 300

aaaagcacat tttacaatgc tttcccatca cccttggctg tggTTTntng ntagcaccta 360

ttagccat 368

<210> 176

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (378)..(378)

<223> a,t,g,c

<400> 176

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ctgggaaaag tttctttaat aaaaaagttc tagtacatat acacgattgt cctcaccett      60
catctatagc aacgcaacag ggaaaataaa aaataagggg caacctaggc acactcagta    120
taaaaacgca gagatccatc cgaatgggag gcattcgggg tctggaaacc agaaatgcag    180
gacggccagt gggccagcag ctctgggctg cacttttgaa gaactttctc taacgttttg    240
aagatagcat taaaaaaaaa aattaagttg caccaggagg cctaagaagg ttccattcca    300
gagagaaaagt ccactcgtaa ggtcagtcac agcaggccca ggcccaggac acaggggttcg    360
agcattttac ggcaggtnaa gaggcttctg gaaacttggc ctctgaggca accctggccc    420
aggtga                                           426
```

<210> 177

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (26)..(26)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (27)..(27)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (392)..(392)

<223> a,t,g,c

<400> 177

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gcgacgacta ggcggcctgc tgcagnnggg cggaccaaac gtcaggccac agagcatctc      60
caaggggtct cagttcccc ttcagctgag gacttcggag cttgtcagga agtggccgta    120
gcaacttggc ggagaaggct atgagtctga cgtagagtg gttgcttcct tagcctttca    180
ggatggagga atgtgggcag tttgacttca gcaactgaaa cctctccacc tgggccaggg    240
ttgcctcaga ggccaagttt ccagaagcct cttacctgcc gtaaaatgct caaccctgtg    300
tcctgggcct gggcctgctg tgactgacct acagttggac tttctctctg gaatggaacc    360
ttcttaggcc tcctggtgca acttaatfff tntttttaat gctatcttca aaacgtaga    420
gaaagttctt caaaagg                                     437
```

<210> 178

<211> 483

<212> DNA

<213> Homo sapiens

<400> 178

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tttttttttt tttttttttt tttttttttt tcaccatcag tatcattttt attgcaaadc      60
agttaacaaa aaagatgaaa aaaatacatc atctacagtt cctcatgtag atcactttta    120
aagtcttttt ctgtaaaacta cactctatft tataaaacac agtaaaaadc aacatcttgg    180
gacgcatctg gtcatgcccc ctggggatgg caccacgcgg ccccgtaga gccgggggag    240
gctgccctga ggagtgcagg cggcacggca gcggagttca cccagtgcac gggcggctaa    300
ggctccccga gctgagccga gtctgacgac cctcactggc atgacacaca acagactcat    360
tcattaagat tttttaaaca aaatccacct ttaaaaacat atttacagac attttttctg    420
ccataggcta atacttggtg ttggcaaaaa tctgctcttc ccaaactagg gaggggtggc    480
cca                                             483
```

<210> 179

<211> 268

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (23)..(23)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (40)..(40)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (267)..(267)

<223> a,t,g,c

<400> 179

ctgaagtggg agcggccctt gcnaccctc ctagtttggn aggagcagat ttttgcaata 60

ccaagtatag cctatgcaga aaaaatgtct gtaaatatgt ttttaaagggt ggattttgtt 120

taaaaaatct taatgaatga gtctgttggt tgtcatgccg gtgagggaag tcagactccg 180

gctcagctcg gggagcctta gccgcccatt cactggggac gctccgctgc cgtgccgcct 240

gcactcctca gggcagcctc ccccggtt 268

<210> 180

<211> 480

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (273)..(273)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (307)..(307)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (343)..(343)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (480)..(480)

<223> a,t,g,c

<400> 180

cattaaaagg aagcatggag ttctaagtct occataaact atgtatatttg gcaagacact 60

tcactactcc aggtctcact ttccccatct gtaaaacagg gtttggacta ggtgttcctt 120

ggtattctgt gatctgcctc ttgctgccat tctttctctc ctctgcttct ctgtattttt 180

cttctgttat ccctgggggt gctcagggtc acttgattgt ctgtatttct gtgtgggtgt 240

agcaaggact cagcctcatg taagcacgaa tanggggtgt ggttcatggc gtgttgaccc 300

agcagancac tccctccac taactttgtt ctgcatgtgt aanagtctcc ccattttttt 360

taacgcaacc ctttcccctt tttctaccc cacagtctgt tccatgtaag ttgccaacag 420

tttcactgaa cagtggggta tgtgatgggt ttggcatgac atcttcagta tgaaggggan 480

<210> 181

<211> 274

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (229)..(229)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (236)..(236)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (252)..(252)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (262)..(262)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (270)..(270)

<223> a,t,g,c

<400> 181

taacagggaaa aaattatttta atagtataac aaaatgcaaa ataaagtacc caagttacaa

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aacataaatt cctttggttc atgatcacac cactatTTTT accttccaca tagctacaga 120
catcacaccc tcaaagtgaa gtcaaactgt cccctcata ctgaagatgt catgccaaaa 180
ccatcacata cccctactgtt cagtgaaact gttggcaact tacatgggna cagagntgtt 240
gggggtgggg anaaaggggg angggggggn gtgg 274

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<210> 182

<211> 503

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (302)..(302)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (439)..(439)

<223> a,t,g,c

<400> 182

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tatgagttca atatTTTTat ttctttacaa tgatttcaga agagattaca aagagattaa 60
tataacttaaa gaatcagact cttgcaaaca gtgacatcat taaaaagagc ttatTTTcat 120
taacatgtga ttaacaggaa ggagatgatt ggtgagTTTT cttcgtaacc aggttcactg 180
tg gataggaa gggcctgcct tccttccac catggagatc ctaaaatcac aagctccagc 240
ctccatcaat gatgacaggg ttaccagtta cataagcaga ttcacagaa gccaaataca 300
cngcagagca tggctatTTc ttctggcagt tgCGaatctt cccgtctTTt ggtctcttca 360
ggaaatcatt cccgtgcctc ttcaggatTT cctctggcct ggtattcctt tcctgtagag 420
atgggCGgat caactggtnc cgggcacaca cagttggcac ctggatgccc tggctgggat 480
ggaaatctgg cagccacagg att 503

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<210> 183

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

<220>
<221> misc_feature
<222> (64)..(64)
<223> a,t,g,c

<220>
<221> misc_feature
<222> (268)..(268)
<223> a,t,g,c

<220>
<221> misc_feature
<222> (334)..(334)
<223> a,t,g,c

<220>
<221> misc_feature
<222> (345)..(345)
<223> a,t,g,c

<220>
<221> misc_feature
<222> (358)..(358)
<223> a,t,g,c

<220>

<221> misc_feature

<222> (474)..(474)

<223> a,t,g,c

<400> 183

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atttccctag atccagaaac tgactctatt gaaggaaaaa aatctgatat caatcttttt      60
aaanggggag gaatgtggga gaaagcatga aaatggctac tgggaaaact tatttgtgtt    120
acctttctga aggaaaatac attttttatt ccttcaattg ttgaaccttt cctccaccct    180
caggagtgtg gaacagatgt gtgtacagca caaccaaggc agccgtgatt ggcctcacia    240
aatctgtggc tgcaagattt catccagnca gggcatcagg gttgcaactt gtgttgttgc    300
ccagggaaca ggttgaatac gccatctcct acanagaaag aattncaagc cagagggnaa    360
tcctgaagag ggcaccggaa tggatttccc tggaagggga ccaaagacc ggggaagatt    420
cgccaactgc caggaaggaa attagccatg gctctggcgg ggtattttgg gctncctgag    480
tg                                                                482

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<210> 184

<211> 438

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (438)..(438)

<223> a,t,g,c

<400> 184

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ttttagtttg gtctgaataa aatccagcat aaatgtatta ttttattctg ggtataatgg      60
ctcgggtgtc ttgtcccaac agctttcttc ttaagggcaa accaccctta agtgaaactt    120
gccatttgtt tttgttttct ttttaagtct ccagatcttg ctaggacact tcttcagac    180
caacagtcag atagtgtggg cacgtgatcc tatttgaaat agaggtgggt taaatcagcc    240
aagcttggtg atctggaggt ctccatttat ctttatgggt tcaattgcag ataacgtttg    300
aatgcgatgg taaaaatcaa aaagttgggt tccatccaca aacactcgga aacgtgggtg    360

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ctcacaaaga atttcccacc tggaagaaac caaaataata atccccccatt tcaatggacg 420
 ctactggggg aaacaaan 438

<210> 185

<211> 465

<212> DNA

<213> Homo sapiens

<400> 185

cggaaaaagc ttttacactt acattctaca caggaatcag aaattttgga ggtagagccc 60
 aacaatctgt gttctaacaa gccctctgca ggtctcaatg cattctgatg tttgtgaacc 120
 actgaagata ctgcctttct ttctctaaaa tgaagtattg tttgttttcc ccagtagccg 180
 ttcattgaaa ttgtggatta ttattttgtt tcttccaggt ggaaattctt tgtgagcacc 240
 cacgtttccg agtggttggt gatggacacc aactttttga tttttaccat cgcattcaaa 300
 ccgttatctg caattgacac cataaagata aatggagacc tccagatcac caagcttggc 360
 tgatttaaac cacctctatt tcaaatagga tcacgtgcca caactatctg gactgttggt 420
 ctggaagaag tgctctagca agatctggag acttaaaaaag aaaac 465

<210> 186

<211> 468

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (446)..(446)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (458)..(458)

<223> a,t,g,c

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<400> 186
gagggcatat tgataaatct ttattgacaa aatattgaca ttgacatact tcttggaagt      60
atatagtgtg ttagaattct aacaaattaa cacaaaacac aaaaatattt acattctggt      120
atagaagaca ttaaggaagc atttgtcact ctcttttagta agtctatgat cttggaatag      180
aaactcagtg cttgaaaact tgccgccgtg cctttggcca cacttaacat catccccgct      240
aactacagtc cttcaggttt tgcaatagat agatttaaag tttggaatag gcattgcagt      300
gaatggttga actcggccaa tttctccaac cactgaaagg agaagtttgc atcagggttt      360
taagcctcag gatgttagga aagggaattg tccaagaaat ataattaatt taggggtttt      420
ttttcccagt accaagtcct gattcntttt tgtgggcnc cttcccc      468

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<210> 187

<211> 401

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (22)..(22)

<223> a,t,g,c

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<400> 187
agctgaacgt gcaactctgac anggggagct gtcaatcaaa caccaaaccg gggagacaag      60
atgattggca ggtattccgt ttatcacagt ccacttaaaa aatgatgatg atgataaaaa      120
ccacgacca accaggcaca ggactttttt gttttttgca cttogetgtg tttccccccc      180
atctttaaaa ataattagta ataaaaaaca aaaattccat atctagcccc atcccacacc      240
tgtttcaaat ccttgaaatg catgtagcag ttgttgggcg aatggtgttt aaagaccgaa      300
aatgaattgt aattttcttt tccttttaaa gacaggttct gtgtgctttt tattttgatt      360
ttttttccca agaaatgtgc agtctgtaaa cactttttga t      401

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<210> 188

<211> 469

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (356)..(356)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (440)..(440)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (467)..(467)

<223> a,t,g,c

<400> 188

ttttttaaaa atgatgaata ttttatTTTT cagacgtcca tatttttaaT gtaatagttt	60
tataaaagaa aaggttggca acctgttaag gagatcttca tgtgaaaaat acatgtagaa	120
gtttttaaaaa tttgtggata taattgtcat tcagaattaa gcaggttgat tgctgttatc	180
tagatgggtc tcttccttta tgtttttcag tcacataatc ttgatttcca tagttatcac	240
atgtacttaa agaagttaat caatgcctat atggccaag gtataatttg cacacagtag	300
tttttggttt ttatatgtg ggatcatatg tatcaaaggT aatatttcat aaagancaat	360
ggttatagtt ggctacaaag gggaccaatt ccacatttcc tatacagggg atattttaag	420
gggtagagtt atatccggcn atgggtgatt ggggttttaa tatcccngc	469

<210> 189

<211> 364

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (16)..(16)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (258)..(258)

<223> a,t,g,c

<400> 189

ggctctttca atcctnggtg tgattgttg ccaatgaca gaatggaagc accagcgcac	60
caccaagcaa ttggagaaat ggatgcaaaa gaatgtggag gaaaacctct atagcagctc	120
cctgggagga ggggtggcca cctccccagt gctgattgtg tttcatggga aatattccac	180
aattaacccc ctgtggcaca taaggcacct gggctggaat ccagatgcca gatattcggg	240
agcattttct gcaggaangc taaattactc cactggaatg gaagacataa acctttggga	300
cttcccctag tggtcacaac gacttaatgg gaaagctggt ttgttcctga ccctggcagg	360
gata	364

<210> 190

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (6)..(6)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (325)..(325)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (352)..(352)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (363)..(363)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (413)..(413)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (440)..(440)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (448)..(448)

<223> a,t,g,c

<400> 190

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ttttntttct gcaggtttcc ttttaatcaa ggctctactg aaggtgtttt gtggggctaa      60
aagccataaa catgaaatgg acatgtaaca ccacctggat ccccatagc aggccagacc      120
actctggcga gcaactgctgg tctgccc aaa tctgggtaat cagactgggt attcattggc      180
tgcatttcaa agcacagcac tgctttcagc caggatgaag tgggagtga cccagctgct      240
agcagagtgc cactccaggc tgaagagcca agtaccagcc actgccagtg aagactggcc      300
cctttaactg aaggaagttg ttcanagttc cagccaccgg gccctggggg anggaagaga      360
aantcagggt aattctgctc cggggatggg tcagggttcc gcaagtttca atnggccagg      420
catccttttg aaaagcccg cttctggntg a                                     451

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<210> 191

<211> 506

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (38)..(38)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (51)..(51)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (53)..(53)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (54) .. (54)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (107) .. (107)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (179) .. (179)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (207) .. (207)

<223> a,t,g,c

<220>

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<222> (220) .. (220)

<223> a,t,g,c

<220>

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<222> (222) .. (222)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (225) .. (225)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (284) .. (284)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (285) .. (285)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (287) .. (287)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (289) .. (289)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (299) .. (299)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (332)..(332)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (380)..(380)

<223> a,t,g,c

<400> 191

ccacgacccc caggaggatt gaaggagacc gggagctngc cggcgtggac ngnnngaatg	60
gaggggctgg ggctcggcgg gaggcacccc cacagccgcc ccgggangag cgcgcccagc	120
agctgctgac gggttggagc agcggcacgc tagctcctgg acaccatcgc agcctgcang	180
gagatgttac ggcagctggg ccgccnggcc cggagccgtn gngtnggcgg gaacgtctca	240
gccaaacctg gagegcccc ccagccgget gtctccgcca gagnntntnt ccaaaggant	300
gctggcgatg gaagctgcgg acccgtgacc antccccgag cagaataccc tgacttctct	360
ccctccccag ggcccggtgn ttggactctg aacaactccc ttcagtaaag gggccagtct	420
tactggcag tggctggtac ttggctctca gctggagtgg cagctctgct agcagctggg	480
ttcactccca ctttcatect ggctga	506

<210> 192

<211> 350

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (254)..(254)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (263)..(263)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (350)..(350)

<223> a,t,g,c

<400> 192

gttgtaatat gcattttatc gtgtcactta agtactaaga ggtgctttta aagtttttat	60
taatgctgct caaacttgac cccgacggtc caggatacag gccaaagggtgt cagtgcggac	120
acaatcgcaa ggcggctggt aggcttcagg gctgggcagg aaacttgcca ggtgctacta	180
ggaacgtatc agccctttct acaaagcagg tgtctttccc atcataaaat gcaaagcaat	240
cagccgttcc cttnctcccc agngccctcg tccggagacc gagaggatat ttaccctggg	300
ctcttgcaat tctcttataa ctgaaccag cggcgggttc ttctccgagn	350

<210> 193

<211> 508

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (356)..(356)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (454)..(454)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (461)..(461)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (508)..(508)

<223> a,t,g,c

<400> 193

tagtttgttt aaagacttta ttgaaacca atgtcacagc acgttagtca taaaaatcat	60
cagaatcatc ggtggttatgg tttctggggc gtaaagcagc ctcaatttct gagttactgt	120
catcagactc atcccagagg cattagattt taaattgatc acgggtttct ttttgttttc	180
atgccttgac aaaggacttc cttcactaga tgaaaaacta gcttccgaag caattttgtt	240
agctgtcttt gtctcgaatg caccgctgcc aatattcaaa cctgacaagt gtgacacaga	300
agcatctgtc ttttgaaacc tgttttcagt ttgatttgt attatcctga agggtnggcc	360
ttcttcagca actgataggc ttctgtttct gtgattggga tatctgcagc cacattttct	420
ttcttggtc ttgtctccac agccacttga aacntcttgt ncccttgtag gaacactgtt	480
gagccataca gcaggtttgg cttcctgn	508

<210> 194

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (398)..(398)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (437)..(437)

<223> a,t,g,c

<400> 194

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agtgacctta ccatttcaat aagtgaagat gatctgattt tagagagccc agaaccacag      60
ccaaatccag gtggcaagat ggaggagaaa gatggaatag aggccttaaa attaatccat      120
gctgagcaag aaagagttgc cctatccact gaaaaaaatt gtattttgca aaccctaagc      180
tctcctgatt cagaaaagga atcctccact aacgcaccaa caagagaacc tggacaaaca      240
ccagactcag acgtaccgag ggcacagggtg ggtcagcatg ttgccacctt gaaagaacat      300
gataattctg tcaaagaaga ggcaacagca ttattgagaa aagcccttac agaagagtgt      360
ggcgtagtca gctattcaca gtagtgatca tcttgcantt gcatctattc tgaatgacaa      420
tagtggaata aaggaancaa cctgctgtat ggctca                                456

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<210> 195

<211> 610

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (521)..(521)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (594)..(594)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (602)..(602)

<223> a,t,g,c

<400> 195

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tttttttttt tttcttgctg tgcttttatt taatcacttc cccagccctt ccatcgctt      60
ttttgaggat aagaaacca aagttcccag agattaactt gccaagatc acttggcctg      120
gatttgagcc tgaggtcaga ctccaaaacc cacactcaat ttgctacatc tcccaggggt      180
ggggccaagg cagctgtgag caaaaggaga agtatcagct tctcaagggc ctagggtttg      240
ttggaagggc aaggcaaggg caaaggggga tacagaacaa gggggcaagt accagtgcct      300
gggatggacc catccattca ggcagggggg gtgggggtgtc ccctgtgctt agaaaccacc      360
tagcatcata gctgcaacag cactttattg ggatcttagt ctacagttca catagggagg      420
tgaagccgtg ggagaagcag gggtaaaaaa aaaaaggggg gggacttcac cccctagggg      480
cagctgcttc caaacctaac aaaaccccag ggtaagtccc ngtgctgggc ctcgagcagc      540
aactctagtc aaatcccaag gcaccggtca accatgtggg tcaaagggcc cctnttggga      600
cntcactcaa                                     610

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<210> 196

<211> 534

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (319)..(319)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (399)..(399)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (446)..(446)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (451)..(451)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (460)..(460)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (507)..(507)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (515)..(515)

<223> a,t,g,c

<400> 196

aggcaatctg attctgaagc taaagagctt tcatacctctt gagtgtatgt ccccatagtg 60

ggcccccttga cccacatgct gaccggtgcc ttgggatttg actagagttg ctggctcgag 120

gcccagcacg aggacttacc ctgggggtttt gttagggttg gaagcagctg tccctagggg 180

gtgaagtccc cccccttttt ttttttacct ctgcttctcc cacggcttca cctccctatg 240

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tgaactgtag actaagatcc caataaagtg ctgttgcagc tatgatgcta ggtgggtttct 300
aagcacaggg gacacccana cccctgcct gaatggatgg gtcaatccag gcactggtac 360
ttggcccctt gttctgaatc ccctttggcc ttgccttgnc ttccaacaaa cctaaggcct 420
tgagaagctg atactctcct tttgcnaaag ntgccttggn ccaacccctg ggagatgtag 480
caaatgaggg ggggtttgga gtttagncta aggtnaaatc aggccagtaa ttg 534
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<210> 197

<211> 455

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (131)..(131)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (425)..(425)

<223> a,t,g,c

<400> 197

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ctctgaagtg gtgaatttta atattgtata aaaaatccaa cttgttccac aagttacata 60
tgtcctatga ttttatgcat acatccatat acatatatca aggtaaagtc cagtacaaaa 120
aaacagcatt ncctatggcc agtgttctac agaagtaaga ctgtgcaaac tttatcgtat 180
agtcaaatga gattgcacac taaggcagga tgaggcagaa gcaagttgtg tccacagtat 240
attacaaaat accttgcata gcttattcat tctcacctgg taaattcatc ttagaattct 300
gaaggatttt tttcctagat aaattttata caagttagtg tatacttctt gtctttggtt 360
ctgtggcaaa ccaggtttct cagtactgat tgttttacct tcacaacatt attggattta 420
accantagcc cgagcttttg gggctctgca ctgctg 455
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<210> 198

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

<220>
<221> misc_feature
<222> (141)..(141)
<223> a,t,g,c

<220>
<221> misc_feature
<222> (281)..(281)
<223> a,t,g,c

<220>
<221> misc_feature
<222> (282)..(282)
<223> a,t,g,c

<220>
<221> misc_feature
<222> (303)..(303)
<223> a,t,g,c

<220>
<221> misc_feature
<222> (308)..(308)
<223> a,t,g,c

<220>

<221> misc_feature

<222> (335)..(335)

<223> a,t,g,c

<400> 198

ctaattttgc agtgcaacac agatatctgt ttgaagaaga caatctttta cggctctacac 60

aaaagctttc ccattcaaca aaaccttcag gaagcccttt ggaagaaaaa cacgatcaat 120

gcaaattgtga aaaccttata ntgttccaga accttgcaaa cgaagaagta agaaaattaa 180

cacagcgctt agaagaaatg acacagagaa tggaagccct ggaaaatcgc ctgagataca 240

gatgaagatt agaaatcgcg acacatttgt agtcattgta nncggattac aatgaacgca 300

gtnaagancc caaagctcag gctattgtta aatcnataat gttgtgaagt aaacaatcag 360

tctgagaacc tggt 374

<210> 199

<211> 303

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (62)..(62)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (67)..(67)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (165)..(165)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (196)..(196)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (199)..(199)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (212)..(212)

<223> a,t,g,c

<400> 199

ctaaaggag gcaaagttgc actctccttc ccagaggct tcaccaagag ggcacacccc 60

cngggtnctt ggtgggcaac gggggtgagc atgtccctgc cctggctccc tccatctgtg 120

accaggaggc atggctgggt gtatgttcag gtgaggctca gagtngcatt gtgtccctgt 180

cccctgccca gggcantgna ggggagccct tnatgctgat tagaaggcta gaactggggt 240

agaggtgcct ggcattgtct atgcatggg gactcaatct agcaactgtg agtcctgggg 300

gtc 303

<210> 200

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (319)..(319)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (438)..(438)

<223> a,t,g,c

<400> 200

tgaagagaaa gaaaaatcaa atatttatta aaagtaccat aatacagacc catttcaagt	60
aaggacaaac acaccaacat atttcttagt agtttcctca caatagatta ttaaagcata	120
gaacaattat tcatattcat aaagaaatga cttcaaaata ggttaaattg ttttccatct	180
actctgttta ataaggcaag aacaaatgat tcactttaga caaatagtct catcaaaaaa	240
gggctaaaat agtaaagatt catcacctaa agtggtaagc tttggatatc tgaaatataa	300
acatgttagt actctgatng atgccagata aatgaattta ggcaagaaaa cacattgta	360
caaaaagcct ggggttctaa atcagggatt actgagacac taacaatttc agatttttgc	420
ctcattccag aagcaccnac ccagttttct tt	452

<210> 201

<211> 257

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (45)..(45)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (159)..(159)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (253)..(253)

<223> a,t,g,c

<400> 201

gtcaatttcc tataagaata ttattctgaa gacctggagg aggangtagc agcagcgctg 60

aaaaatggga atgacttcta atagtttaca atatcatgaa ggaagggctg ttgaattgta 120

gcacaaacct gaacctgggc actgactgca tggaacatng tctgacatcg gtgcatccgc 180

gaactcgata ttcagctggc tgggatgcta aatttttctt catccctcta tcttagttac 240

ctacatcact ggnagac 257

<210> 202

<211> 318

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (161)..(161)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (199)..(199)

<223> a,t,g,c

<400> 202

tctagaaatg gactgtcata aaaaaatgcc agatcccacc tgtgacctga cagcccccaa 60

ttcctagaga ggtgagagct gtcgtgtggc aggttaggag aggtgccaac cttgggcgat 120

gcggcttctt gggaaataac agctccagcg agaaagaatt nggggtgagg gagaggatgg 180

```

gggccagaat ggggggaacnc ttaagtggta ccaaaattag ctgccgtctg ctccctgctg 240
gtgggtcctt ggggtggaaa gcatggcagg gaggggggtt gggctgaatg gagaagaaag 300
tgagatgctg ataaaaaa 318

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<210> 203

<211> 268

<212> DNA

<213> Homo sapiens

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<400> 203
tatcagcatc tcactttctt ctccattcag ccccaacccc ctccctgccg tgctttccac 60
cccaaggacc caccagcagg gagcagacgg cagctaattt tgggtaccact taaggggtccc 120
cccattctgg cccccatcct ctccctcacc ccaattcttt ctgctgggag ctgttatttc 180
ccaagaagcc gcacgcacca aggttggcac ctctcctaac ctgccacacg acagctctca 240
cctctctagg aattgggggc tgtcaggt 268

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<210> 204

<211> 403

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (403)..(403)

<223> a,t,g,c

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<400> 204
caaatgtata aaccttttat ttaaaattag acagactcaa atacaaatta aataagtaca 60
atataaaaata gtaagccttc ataaaacaca tcataaccac tttaaatcat ttactatttc 120
tacagcaaaa ttaaagagaa atctaaatac agtccaaaat caaattattt ttaaactctt 180
attgtcaaca ttaaaattat tacaaaacat tcaaagatat ttaattagaa gatgaacaag 240
gccaggtgta gtggcccgag agttgtcgat atgctcgcag gaagtgtttc tgtgttaaaa 300

```

agttgagaag atggaaactg aatcctcttt gtattcagaa ggctgtttcg gaaggtcact 360
 gttggcaggc ttctccctac agggattcag cagtgaggga gcn 403

<210> 205

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (308)..(308)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (472)..(472)

<223> a,t,g,c

<400> 205

caagacttca aaaccattt tcttgaccca aagcttatga aagaagaaca aatgtcacag 60
 gccagctct tcaccagaag ctttgatgat ggctgggct ttgaatacgt gatgttctac 120
 aatgacattg agaaaaggat ggtttgctta tttcaaggag gcccttacct ggaaggacca 180
 cctggattca ttcattggagg tgccattgca accatgattg atgctactgt tggatatgtgt 240
 gcaatgatgg ctgggggaat cgtcatgact gccaatctca acatcaatta taaaagacct 300
 atccctcntt tgttctgttg ttatgataaa tagccaactt gataaaagtt tgaaaggaag 360
 gaaatTTTTT ggtttctgt aatgttccag aagtgttga tgaagaagac cctatactcc 420
 agaggcgaca agcttaattt ataaagccga atcccggtta aaaagtctga cnataaagg 479

<210> 206

<211> 450

<212> DNA

<213> Homo sapiens

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<400> 206
aagtttaagt tatttattta agccatctcc tgccacaagc aaagggatgg gagaccagta      60
taccagtcacat catttgatac aagtaaagaa ggtgagctta aggtcccata tactttttct    120
ggtccatgtg cagagtaacg gtccaaacca gtgctgtggt ccctgggtgcc cgggtagtgg      180
tccagattct ctttattcat cttcgtagcc agttggaagt ggattcacat gagggttatg      240
gaatagagta tggttaccat ctccccaggg aaacggcttg gtcctgatgc ggagatgggg      300
gtaggcgatg aactcggggtc tctcgtgctc tccgtgggtgc gacttcaggt acacattcag     360
catgctgact gccaccccg ggcgcgcgac gaagaagggtg agagtcttcc acatggcgag      420
ctgagccctc ttcgccatgg gcccaactcg                                     450

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<210> 207

<211> 349

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (82)..(82)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (85)..(85)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (272)..(272)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (280)..(280)

<223> a,t,g,c

<400> 207

ggtggcagtg tcctcggttt ctcggtgct gggctcggtcc cgcccacagc tggggcggcc 60

tatgtcgagt ggcgcccatt gnaangaggg ctgagctcgc atgtggaaga ctctcacctt 120

cttcgtcgcg ctccccgggg tggcagtcag catgctgaat gtgtacctga agtcgcacca 180

cggagagcac gagagacccc gagttcatcg cctaccccca tctccgcac aaggacacaa 240

gccgtttccc ttggggaaga atgggtaacc antactctan ttccataacc ctcatgttga 300

atccactttc caacttggct aacgaagatt gaataaaaga gaatcttgg 349

<210> 208

<211> 341

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (162)..(162)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (339)..(339)

<223> a,t,g,c

<400> 208

tttttgacct aaacaaagtt tcatttacag tgtatacagt caggccttgg gggcaggagc 60

tgctggggag cagagagggg ccctctatcg ctggcttcag ggggtgcctt gggcccttc 120

agtagctggg gggcgtgact ggcaggaagc acatttggct tnggcaggag ctgtcaggaa 180

```

ggggaagcgg gtttcctgcg attctgcctt gttctgccct ggtgaagcc gcacaccaca 240
cctcacctcc cagggggccca aggcctgttg gaaatgtctg ttttaaagct ccctgggggc 300
tgggcctggc ttgacggcag ctgcaaagg ggaatgccnc a 341

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<210> 209

<211> 287

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (190)..(190)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (229)..(229)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (232)..(232)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (273)..(273)

<223> a,t,g,c

<400> 209

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ctgcccgggc ccaaggggtg cacagggcac tccatggctc cattattaac acaactctag 60
caattatgga ccataagcac ttcctccag ccacaagtc acagcctggg gccgaggtc 120

```

tcttcaccag ccacccaggg agtcacctcc ctcagcctcc cgcttggecc acacggaggc 180
tctggctgtn ctctttctcc acttcatttg ctttggtctt ttctacacnt cncctcttggg 240
catgggctga gggctggagc gagtccctca agnaatttca ccaggct 287

<210> 210

<211> 488

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (394)..(394)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (462)..(462)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (472)..(472)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (474)..(474)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (480)..(480)

<223> a,t,g,c

<400> 210

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tggaagttaa agtattttatt gatgtgttta aactgtgtac attctccaca gatcatatta      60
aggagtttgt aggtgaagtt taatctgtgc atagtgggta gagacatgaa taggggtcaaa    120
ggggaggaaa aaggaaaaaa acaaaacaaa aacagtcaca ggaaaataaa aatacaccac    180
aggttaccag aaccttcaga tttaaaataa aaagaaagaa aaagcagaag cagtgagcat    240
cgacatcaac tgtacaagca ttacaaagac tcctgtgacg aaaacacaat tgttcaaagc    300
tttccacagt gtccacagac tcagtttcag ggacagcctg gactactttc ctttcacaca    360
aaciaaacctc cccgtgttct ctctggggcc agcnggccct cccttgggtgt ggtcttctct    420
gagtgaatgt cacaaggccg gtgacaggag ggggtggagg tnaggggcaa antngagccn    480
agggtcag                                         488

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<210> 211

<211> 478

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (7)..(7)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (14)..(14)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (29) .. (29)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (38) .. (38)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (44) .. (44)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (48) .. (48)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (107) .. (107)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (162) .. (162)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (214) .. (214)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (217) .. (217)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (226) .. (226)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (276) .. (276)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (329) .. (329)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (343) .. (343)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (349)..(349)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (354)..(354)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (361)..(361)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (363)..(363)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (364)..(364)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (371)..(371)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (375)..(375)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (376)..(376)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (383)..(383)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (391)..(391)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (409)..(409)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (419)..(419)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (423)..(423)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (437)..(437)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (450)..(450)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (473)..(473)

<223> a,t,g,c

<400> 211

tgaccntcgc gccntctact ttgtcccnt cacctcnc ccntccntg tcaccggcct 60

tgtgacattc acgtcagaga agaccacacc aaggaggcgg ccgctgncca ggagagaaca 120

cggggagggt tgtttgtgtg aaaggaaagt agtccaggct gncctgaaac gtgagtctgt 180

ggacactgtg gaaagctttg aacaattgtg tttncgncac aggagncttt gtaatgcttg 240

tacagttgat gtgatgctc actgcttctg cttttncctt ctttttattt taaatctgaa 300

ggttctggta acctgtggtg tatttttant ttctgtgac tgnntttgnt ttgntttttt 360

ncnnttttcg ncccnnttga ccntaatcaa ngctctacc cactattcnc aggttaacnt 420

cantacaaa ctccctnata tgtctgtggn gaatgtacac aggtttaaca cancataa 478

<210> 212

<211> 214

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (138)..(138)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (160)..(160)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (166)..(166)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (213)..(213)

<223> a,t,g,c

<400> 212

ggttttaaata ctgcactcta ttttttaagg actctgtgca tggatattcc ggtggcagat 60

gtgtaagatt ttttatgtaa atcgtgttgt tttagcagag gactatcaga cctgacagca 120

gctggacatc gaggtccncc acttgggggt ggtgacttgn cacgcntgaa tgctgaagtg 180

gaagccaagc ccccttcagt cagagctggg gcng 214

<210> 213

<211> 391

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (8)..(8)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (23)..(23)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (59)..(59)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (61)..(61)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (153)..(153)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (294) .. (294)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (311) .. (311)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (321) .. (321)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (322) .. (322)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (326) .. (326)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (331) .. (331)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (360)..(360)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (378)..(378)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (385)..(385)

<223> a,t,g,c

<400> 213

cgtttctnccg cgggctcccg gcntgctact gctgctgctc ttcctcgggc cctggcttng	60
ncgagccacg gcgtcaagta ctgcgaggag aagaaccagc ccaagccgtc cccgaaacgc	120
gagtccggcg aagaactgga caagctctgg cgngagttcc tgcatacaca agagaaagtt	180
cacgagtaca acgtcctgct ggagaccctg agcaggaccg aagaaatcca cgagaacgtc	240
attagcccct cggacctgag cgacatcaag ggcagcgctc ttgcacagca gcancacgga	300
gcttgaagga naagctgcga nntcanacca ngggcctggg accgccttgc gcaggggtcan	360
gccaccaggg gctacagnac ttganggctg a	391

<210> 214

<211> 398

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (12)..(12)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (175)..(175)

<223> a,t,g,c

<400> 214

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gaatgacgtg cntttattgg aagctattct gacatcactt tccagactgt ctactgtct      60
tgggaccagg catgggaggc aggggtggga atcttcttgt gattgtgggt ggtggctgga    120
ggagtggagt ggtgggaggc ggctcagtcg cgggcactcc tgcgactggc ggatncggtc     180
cggatggaat aagccttcag gagcccagga ccgcactgc tggagaagct cagggcattg     240
atgccatggt tccccgagg gtcagcccaa tgccaccgcc actgctactg ccaccagtgg     300
aattcatcac agagatatcc acggctccca ctccatctcc agccaaccgg ttctcctcgc     360
cctccagcag cttgcggtag gtggcgatct cgaatgtc                          398

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<210> 215

<211> 237

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (27)..(27)

<223> a,t,g,c

<400> 215

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cctacatgag caaggtggag ctggagncaa ggtggatgcc ctgaatgatg agatcaactt      60
cctcaggacc ctcaatgaga cggagttgac agagctgcag tcccagatct ccgacacatc    120
tgtggtgctg tccatggaca acagtcgctc cctggacctg gacggcatca tcgctgaggt    180
caaggcgcag tatgaggaga tggccaaatg cagccgggct gaggctgaag ctggtac      237

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<210> 216

<211> 519

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (319)..(319)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (421)..(421)

<223> a,t,g,c

<400> 216

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ttgtttgaga tctttgtatt ttgttaacaa acactgagat ccatcgaagc tgtgtgggtc      60
ctggcagagg tcagcaaagg ggtccttggg gcctgcatca gtcagaagc ccagaccct      120
ccctgacaat ccttgccctca tcgctcctgt ggctaagata cttcttcagc cctttaacag      180
gattactggg gtatgtgaga cagccactag cagcccctgc cctaccggcc tctcccccaa      240
cccttctcca catacatcac ccccgccacc aagcaggcag cactggggct tgattccacc      300
cctccagag gatatggang aaagccccac atctggagag ggacagggca actgcatttc      360
tggcaaagt ggtggcatga ggctgccagt ggtttgacag ttcaggatct ccagggtcgt      420
ntggggcccc atagcctcct gtcctccagt gaaaagatga gaagactctg ctctggggag      480
tcctggagat ctggtgacta ggtaccagc cttctgctg      519

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<210> 217

<211> 398

<212> DNA

<213> Homo sapiens

<400> 217

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ttcaggcaga gacgcggcac catggctagc aagaaagtct gcattgtagg ctccgggaac      60

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tggggctcag ccacgccaag gatcgtgggt ggaaatgcag cccagctggc acagtttgac 120
ccacgggtga ccacgtgggt atttgaggaa gacattggag gcaaaaagct gacttgagat 180
catcaacacg cagcatgaga atgtcaaata cctgccaggg cacaagttgc ccccaaattgt 240
ggcggctgtc ccagatgtgg tccaggctgc agaggatgct tgacatcctg atctttgtgg 300
tgccccatca gttcatcggc aagatcttgt gaccagctca agggccatct gaaaggcaaa 360
cgccacttgg catatctctt aattaagggg ggtagaca 398

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<210> 218

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (48)..(48)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (67)..(67)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (75)..(75)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (139)..(139)

<223> a,t,g,c

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<400> 218
tttttttttt tttttttttt ttttttatac ttcaaaagca attttccntt attaaaagaa      60

tgcttanaaa aagtncattt cacttctgcg tcatttcttc tggtcactcc cagctcactt      120

gcagcacttg gccttccnc tgtaacaggt gccttgaatt ttggtaaaga tcgggcaggc      180

agaatagaga cattgccctc cactgctgac gcaattgtaa tgatcagatc tgcggccaag      240

gcctgtgaga aagttaccac ctgaggccat ctgagacaaa agtaagcaga gagtaaacag      300

cagaaggtag gaagttctca tggcgactgg caggcaacac tcaggatttc aggaa          355

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<210> 219

<211> 371

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (37)..(37)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (38)..(38)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (39)..(39)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (40) .. (40)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (41) .. (41)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (42) .. (42)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (46) .. (46)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (52) .. (52)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (56) .. (56)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (61)..(61)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (63)..(63)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (65)..(65)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (156)..(156)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (158)..(158)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (186)..(186)

<223> a,t,g,c

<400> 219

gctcagctcc aaaggagcca gcctctcccc agttccnnnn nccccnctg anagtncccc 60

nnncnccatg agaacttcct accttctgct gtttactctc tgcttacttt tgtctgagat 120

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ggcctcaggt ggtaactttc tcacaggcct tgcgcnanga tctgatcatt acaattgcgt 180
caagtnggag ggcaatgtct ctattctgcc tgcccgatct ttacccaaat tcaaggcacc 240
tgttacagag ggaaggccaa gtgctgcaag tgagctggga gtgaccagaa gaaatgacgc 300
agaaagtgaa atgaactttt tataaagcat tcttttaaata aaaaggaaaa tttgcttttg 360
aaagtataaa a 371

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<210> 220

<211> 669

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (614)..(614)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (620)..(620)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (661)..(661)

<223> a,t,g,c

<400> 220

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tttttttttt ttttttttct gcttcacatg ttttattttg gtgtacattc ttctagaacc 60
aggttcattt ttccagtttt gtagaaaaat agatgttcca gccacctttt acttaactgt 120
ctagtctttt aagaccaatc agtatgttcc ctggaaagat gaataagtct catgactaat 180
tttttaaaaa ttctttaaga caaagaaata actttctttt tttactocca aagcacagta 240
tctcaacagc agcagccaac atggggtttt agcagcttaa ctttaccocc taaataaagc 300

```

```

tttgtataaa ccagtgattt tactacaaaa aacactgtcc ttgaaagaaa ggagtggcag 360
tcagacatca atgcaaaact tggaatgatt agataataaa catggcactt acaaaaggta 420
gcttattaga atattccact taagaagagg ttacttttct gtccctcctt gccccctcga 480
aaaacaaaaa aaaaagaaaa aacatttcct taaaaattcc ccttaaattgt aggtttataa 540
aatgtcgaaa tgctgtacc caaaacaagt gcttaaaaaa aaaaaaaaaa aaacttgtgg 600
ctaacaactc ttanaattcn gatatatatt ttataacat ctaagacggc agagttctta 660
nattccgta 669

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<210> 221

<211> 597

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (370)..(370)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (375)..(375)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (470)..(470)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (490)..(490)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (523)..(523)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (545)..(545)

<223> a,t,g,c

<400> 221

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gagagaattt acaatgaaat tccggacatt aatctggatg tcccacattc atactctgtg      60
ctggagcggg ttgtagaaga atgttttcag gctggaataa tttccaaaca actcagagat      120
ctttgtcctt caagggggcag aaagcgtttt gtaagcgaag gagatggagg tcgtcttaaa      180
ccagagagct actgaatata agaactcttg cagtcttaga tgttataaaa atatatatct      240
gaattgtaag agttgttagc acaagttttt tttttttttt ttttaagcac ttgttttggg      300
tacaaggcat ttctgacatt ttataaacct acatttaagg ggaattttta aaggaaatgt      360
tttttccctn ttgtnttggt ttctgagggg gcaaggaggg acagaaaagt aacctcttct      420
taagtggaat attccaataa gctacctttt gtaagtgcc a tggttattan ccaatcattc      480
ccagtttttn ccttgatgtc tgactggcca ctcccttctt tcnagggcag tggtttttgg      540
tagtnaaaat ccccggtttt tatacaaagc tttatttagg ggggtaaagt ttaaggc      597

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<210> 222

<211> 203

<212> DNA

<213> Homo sapiens

<400> 222

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gatattaata atcaagttca aattttaatt tttcatctgc tactcaattt taaaagagaa      60

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gtcactctca gtagtggtcc caagtgagcg attgcacctt ctatgatgtg aaaaagttgc 120
 taaagatcct attgccatta gccgttctta agtgctgaac gtaactgaga gaattgtttg 180
 caatagacat gctctgtcac tgg 203

<210> 223

<211> 418

<212> DNA

<213> Homo sapiens

<400> 223
 attattgaca acaactttta atactggaaa ggactggacg aaatgaagct gcggaacctc 60
 cgaccacctc ctgaatagtg ggagacacca ccagagccc tgaagctttg ttccttcggt 120
 catttggaat tcttgagggc agccagagct ccttggtcct ttcagtacta ggcagaacag 180
 cccccgatct gcatagcctg tgaaagccca cggggacatc agtaaccttc tgcagccacc 240
 atccaatgcc attactgtca agtgagactt ggccactgta gcctgggcct gctgcaggag 300
 ctcttcagaa aggcacatga ggaccacggg ttgcctcagt ttctggtaaa acacaaggtc 360
 tggagtgcc ctcgaaaggg tattgatgga cttcctgcca gtgacagagc atgtctat 418

<210> 224

<211> 392

<212> DNA

<213> Homo sapiens

<400> 224
 caagatccaa agaaaaaatt ttatttaca tagagaattt tatttgaaac atgcatttct 60
 tgttttttta aaaacaaatc agcaaatgca gatcaagttt acactcctta aggcaagagt 120
 ccctatgcac gctgtacatg ttcataatga atccaaaagc tgagttaggt tgtccaaaca 180
 aactcaccag acagggttaca taagatagtg taccacaaca aatttaaatt ttgaacaaaa 240
 cacatctctc ctcttttggg ctcacacaga aattaaagtc tccaaataca gacaatacta 300
 tccattctcc agctcttctc cagattcacg agtcccagcc aggtcggcc atccacactc 360
 cccgttgaag tctggtcctt tcttcagtag tt 392

<210> 225

<211> 467

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (454)..(454)

<223> a,t,g,c

<400> 225

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ctcttgtgtg acctgatagc tccttgaac tttgggtctg tgtgtgacac atgagactca      60
cagttggagt tctccagctc tggaggtgct gaaggagctg cattaattct ggaagacgac    120
tccatgcagc aactactgaa gaaaggacca gacttcaacg gggagtgtgg atgggccgac    180
ctggctggga ctcgtgaatc tggagaagag ctggagaatg gatagtattg tctgtatttg    240
gagactttaa tttctgtgtg agaccaaagg aggagagatg tgttttgttc aaaatttaaa    300
tttgttgtgg tacactatct tatgtaacct gtctggtagag tttgtttgga caacctaaact   360
cagcttttgg atttaatatg aacatgtaca gcgtgcatag ggactcttgc cttaaggagt    420
gtaaacttga tctgcatttg ctgatttggt ttnaaaaaac aagaaat                    467
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<210> 226

<211> 368

<212> DNA

<213> Homo sapiens

<400> 226

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gtgtgtaaag ggtttttatt ggagagcctg tgcggctgaa gtgccaccaa ggatttggaa      60
ggtcactttc agcagccgcc atttctgcca ggaccagtgg caagcacctg gcagatggag    120
cccgggtgtt tctgcgtaag gcagaggaat ccagcttttc catgagattc agctgcagtt    180
gtcgaaaacc ctgtgtgagc cagcagttcc agttcaaagg ttgagggggc gaacagctgc    240
gaggtggcca ggctcccgtg agtcaccact caggcctgag tacaccgtgg agaggagaga    300
taaagcagcc acggctgttc ttgttgccag tcccaccctt ctggcaaaca gatgggggaa    360
aacagaga                                         368
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<210> 227

<211> 426

<212> DNA

<213> Homo sapiens

<400> 227

taaagatgag attcattcct tttttgaaag aataaagact gagaattata ggtaagaggg	60
gatagaaaag gaaaatggat aagaattatt aaaagttatg caaatctcta atgtgaaaac	120
ttgggttcaa ggaaaattct gtttgagcca gtggtttaat ttaagaaaaa ttaaaatctg	180
cagagaaaag ctttcctaata catcctgata taaattactc aacagcacta agctgttcat	240
aatgtaccag gctgagaaat ctgattgcag agaaggaaaa aaaaaaaaaa agacttctaa	300
aataacgtca cttcttcagc ttttaacattt ggctgtgcac cctttttaaa aataatacca	360
gtttttttcc agcagtttac acctacagta tgcaaacaaa tatcagatgt ttgtctcagt	420
cagaaa	426

<210> 228

<211> 445

<212> DNA

<213> Homo sapiens

<400> 228

ctaggagtag ctggtaaagg cacatagctg tccctcatgt cctgagctct cagaggactt	60
ggatatggaat gctgcctatg cctgtgaact ttgtaattag aaacagggtc aagttttggg	120
gttttctttt tgccagatac tagctgtgtg attttgagca agttaacctc cctgtgcctc	180
agtttcttct gctgtaaaat gggggtgaca atgggtcccta taccttagga cagtgagctg	240
tcacatgaag cccttaacac agtggctgga atgtgataag ggatattaac ttgtagatac	300
cttgtggagt gaaacattga ggtgatTTTg tagacaacaa gaggagaagg aaggtatTTT	360
aaaatccagg cgctaccctc atgccgacta aggtgtgaga ggctcacagc tcacatgaga	420
gggtgatctt gcctgaagca catga	445

<210> 229

<211> 391

<212> DNA

<213> Homo sapiens

<400> 229

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gagaatgaca agagcttccg cgggtgcatt ctgacctcgg accgcccggg tgtcttctcg      60
gccggcctgg acctgacgga tatgtgtggg aggagccccg cccactacgc tgggtactgg      120
aaggccgttc aggagctgtg gctgcggttg taccagtcca acctggtgct ggtctccgcc      180
atcaacggag cctgccccgc tggaggctgc ctggtggccc tgacctgtga ctaccgcatc      240
ctggcggaca accccaggta ctgcatagga ctcaatgaga cccagctggg catcatcgcc      300
cctttctggt tgaaagacac cctgggagaac accatcgggc accgggcggc ggacgtgccc      360
tgcagctggg gctgtcttcc cgccggcgag g                                     391

```

<210> 230

<211> 459

<212> DNA

<213> Homo sapiens

<400> 230

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ccttaagcct tttctgttcc cttcaggacc taggcttttg aaacccaaaa gccaggaaaa      60
catgcctttg ttatctgctt tctgcaatca cgtctcttcc atggggcact gagcagagaa      120
tggtgtggcc aagtgagtag tgagaagcag tgaggaggtg tgagctaggt gtctgttccc      180
attttagaaa atactgttcc tacatcagaa ataccacatt aagacgtata gagccaggtc      240
actgggatgc ttgaacaaaa tagctgggat tctggacaga gtcagcagag tacagaaggc      300
tctgaagtgg gagacggagc tgggggtgcat ccctcccagt gaggaggggt catgaggggc      360
gtctgggaag agggacattt gaactaggat tagctgagtt gccatgatgc taagataatg      420
ggagagtgtt ctttgtggtc accagtgtcc acatggcat                                     459

```

<210> 231

<211> 413

<212> DNA

<213> Homo sapiens

<400> 231

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cttttaatat gacattcttt tctaattattg taatcagaaa atacagtata gccattttca    60
tttgacacaa aaaatattca ggggtgtaaaa ataacaaaag actcattctt ttgtttacat    120
tattttgtgc cacattttta aatgtcttct gttactgcaa actattttac agctttcaaa    180
attgactagt aattcttgac attttaaata caaaattgtc ctaaacaaaa ccagcacgta    240
ttcaatatga tctataagtt aatctttgga aagacatttc gttttctaatt attgacaatt    300
ttacacaggt gatttgtaac ttttgaagtt ctggctgaac tcagcatctt ttttcaggtg    360
tctaagacct tcttcagaga agactcctag aggatatatt taagacccaa ctc          413

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<210> 232

<211> 514

<212> DNA

<213> Homo sapiens

<400> 232

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gaaaaaactt ctttttcttg gcaattgctt gggatcctgt acattgcctt tccacttggt    60
agggaaaaaa ataatgacac ggacatcagg tgtgttgag tgattcacag tcatccacag    120
accctcacca ccatctccac tggaaaatat tgaacactcg cactgctag ggtagtatgt    180
agtacatgaa tggcagacac cggcgagatc tcaagtgtta cgacggatga aaattccacc    240
tgtaagtct cctttccatc caagctctag cagttgggtt ttccatgggt gtggtgaggc    300
tgatctgatt acatgcttat gtaaaatcca aataaagccc cttgaatgga aaacaggtta    360
atgtgggaag tcaactagtaa agcagggttaa tttggtaagt cactagtaaa gcactaggct    420
catcaggagt tgggtcttaa atatatcctc taggagtctt ctctgaagaa ggtcttagac    480
acctgaaaaa agatgctgag ttcagccaga actt                                514

```

<210> 233

<211> 327

<212> DNA

<213> Homo sapiens

<400> 233

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cttgtatgaa tcatgacaac gtctaaatct ttactattct tctggcaaaa gcatcagtaa    60
gaaagaaggc gaaaaagaga agtatagcct ttatgtcaga aaaacattct ttttagctgc    120
ttactttctc atgaaaagta aagatgttta cagtgtatgc caagttttca gtttctgtat    180

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aacaacaggt agaggttcta atcatattga aaattgtgtt ataatggtct gagccatgtt 240
gctaggaac aataggttcc aattttgtat tctgtctctc ctgtgctgaa aagtgactgg 300
atactgtaca ggttcatgtt ctctggc 327

<210> 234

<211> 345

<212> DNA

<213> Homo sapiens

<400> 234
aacagtaatt cttcagactt tattaaaaaa tgacataaag tgcattcttat taaaaaatgt 60
ataaaaacca cataaattca gggcccctgt gctgggcagt gttgatatcc cttagagtgg 120
aggaaggtga gggatggagg gtgaactggg gactggggag aggaccaggg tgcagttagt 180
tctctgtgtt tgagttcaaa gatggagcga ggggtggatat ggtgggaagg ggcacacggg 240
ttctcacgca acaacggagg aaggcaggcg acagtctctt ccctgaattc tgagggaag 300
gcgtacattg tcacgaaatc tctcctgagc tcgcgctgtc ctctc 345

<210> 235

<211> 340

<212> DNA

<213> Homo sapiens

<400> 235
gaggaagag atagcatggc atgcagcaca cacggctgct ccagttcatg gcctcccagg 60
gggtgctggg atgcatccaa agtggttgtc tgagacagag ttggaaaccc tcaccaactg 120
gcctcttcac cttccacatt atcccgtgc caccggctgc cctgtctcac tgcagattca 180
ggaccagctt gggctgcgtg cgttctgcct tgccagtcag ccgaggatgt agttgttgc 240
gccgtcgtcc caccacctca gggaccagag ggctaggttg gcaactgcggc cctcaccagg 300
tctggggctc ggaccaact cctggacctt tccagcctgt 340

<210> 236

<211> 329

<212> DNA

<213> Homo sapiens

<400> 236

aaatatttaa ttcccattta tttaaagttt cgtcagtctg tgtacactat ttatattaaa	60
aacacaggaa gctggggctc ctagcaaaaa tatacatctt aattttggag attgttcaga	120
cactgagaag agctgtatcc tcagcaccag acccggttg ggcagggac gcggcatgtg	180
gcgcgggagg gggaggtggg tcccagcagc tgtcccttca tagccttggc ctgaaaggaa	240
gcacccaac ccccatcagc tgggtaggtg gggagcggga agaactctgc cagcagagag	300
tgatcctggg gcatggaagg gaggtgca	329

<210> 237

<211> 292

<212> DNA

<213> Homo sapiens

<400> 237

ttacttggtt acaccttttt aataggtcaa agtaactgta cagttcatta tattcttcct	60
gagaataatt tatatcccc aacaaactaa agggagggtt tattttttca aaattaacag	120
aatggatggt gtaactggac atcaaaagaa aaccaaattc ctgttttgct tcattctctc	180
ctgggaagac agatacaagg aagggttagt taactccagt ggctgtaaaa tagtcaacat	240
ggctttaatc tttctttata aattatataa aaatggaaaa aggggatggt tc	292

<210> 238

<211> 532

<212> DNA

<213> Homo sapiens

<400> 238

atctctctaa aaaagaaaaa aaaaatcact gaaaacagtt ctctgacct atctcttgtc	60
tttcagattg agatggcaca gaagctattg aactctgacc tgggtgagct catcaacaag	120
atgaaactgg occagcagta tgtcatgacc agcctccagc aagagtacaa aaagcaaatg	180
ctgactgctg ctcacgcctt ggctgtggat gccaaaaact tactcgatgt cattgaccaa	240

gcaagactga aaatgcttgg gcagacgaga ccacactgag cctcccctag gagcacgtct 300
 tgctaccctc ttttgaagat gttctctagc cttccaccag cagcgaggaa ttaaccctgt 360
 gtcctcagtc gccagcactt acagctccaa cttttttgaa tgaccatctg gttgaaaaat 420
 ctttctccat atagttttac cacaccttga attgggggttc aatatttggt gtgggtttttt 480
 caatcatgat gttcggaaaa atccgggttc aaaagtggcg gtttctagaa tg 532

<210> 239

<211> 516

<212> DNA

<213> Homo sapiens

<400> 239
 tagaaatatt acacttttatt gaattctgga gcagctaatac taccctcccc tattgaccaa 60
 tgacaagaat ggaagaaaaat atacaatggg taaagaaaga gtctataacc actgtttgtt 120
 taaaatgttg aaacaacttt cactgtactg gtgaaacagt ttttaataccc taacatacac 180
 agtaatgatt cattcttggt taaaacaaga agtgatttcg acttgggatt gggattttta 240
 ttttttgaga tggagttttg ttcttggtgc ccaggctgga gtgcaatggc acaatcctgg 300
 ctactgcaa cctcgcctc ctgggttcaa gcaattctcc tgctcagcc tcctgagtag 360
 atgatgggat tacaggcatg caccaccacg ccaggtaat tttgtatatt tagtagagat 420
 ggggtttctc catgttggtg aggctggtct cgaactcccg acctcaggtg atccgcctgt 480
 ctcggcctcc caaagtgctg ggattacagg cgcgac 516

<210> 240

<211> 572

<212> DNA

<213> Homo sapiens

<400> 240
 caagttttct tttataagcc tttaatcat cctcagtac tctggcaagg ctgcttctct 60
 atcactggct ttgcacagaa gtatgctcta cttgcgttgc tttagggcag gattctatatt 120
 tgagggaaaa gacagtatcc ttattacctt ttgtttgttt aatagcacia atgcttattt 180
 gttatccaaa aacaacctcc ttcttatctg tgataaatct atagaaagaa tttagctgca 240
 agtggacaaa ggaacaagcc ccagaaaaag aaagggaaga actgccttct tatactacag 300

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aacatgcatt agtgtgggct atatagctgt ggctcatgct acccaattcc agatttcttt 360
gtcctctaag agttgattgc tgtatattaa aattgaacat cagaggatgg gaagagggct 420
ctgtaagcca gaaccttact aaagtagagg gcacaatcag tgtgaataaa ttcacttcag 480
aatctcaagt caaggccagg cacggcagct cgcgcctgta atcccagcac tttgggaggc 540
cgagacaggc ggatcacctg aggtcgggag tt 572

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<210> 241

<211> 364

<212> DNA

<213> Homo sapiens

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<400> 241
ttttctgaga gtcatttatt tcttttgtca ttgccaaaca ttccccaggt cttactcacc 60
agaaattaac atagcttctt catttctcct cctgacaac cctcatctac tgaaagggct 120
ttaagggcac actgccaatg aaaatgcaga gtgcatatac catgtcctta acttgtttca 180
aaactaccta ttctggcagt atccaattca ggtttcagtg ctcccttggt tgaaagtggg 240
cttcacaaaa gccacattt taaagctatt tggaggagca caaagagtta aagtggtaat 300
agcctttcag aatttgaaaa ggtagtactt gtctatatca ggttcatttt ttatgtggca 360
tatg 364

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<210> 242

<211> 579

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (10)..(10)

<223> a,t,g,c

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<400> 242
attcggcacn gagggtttgt cctctcaata tggttttaag attgaaagta agaaaacgga 60

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tttaggatga aaactctaga actaccctat gctgtttata ctgggaaatg ctttgtacca 120
 agtagcagtg actagaccca cagacatgaa aagcaacctt aggagtaaag tgacccaaac 180
 attaaaatga caggaaagag aaagtagaag cagcaataaa tactgccccca actttcctgg 240
 agccccgaggc ctcatccata gctatgatca cttgccctct gaagcttatt tttgcttctt 300
 tgggttttaag aattgagaaa tatcacattg cccctgatgt tttgacagtc tcctagtgtc 360
 cctggtagtg ccactaaggg aaaaccaagg tgcgcattcc ttctccctgg actttacctt 420
 acttgtagt ctacgccccca ctgtttccac ccatccctt agccaacctc tgtctttttg 480
 aattttctga gaatattgtc ctatcctctt ttatatatgg agttctctcc tctttatatc 540
 ctgagacttt gacaccagat gtagatattt atctggagc 579

<210> 243

<211> 382

<212> DNA

<213> Homo sapiens

<400> 243

tttaaattag tagagacagg gaatcttact atgtgacca gactgggtctt caattcctgg 60
 gctcaagcga tcctctcgcc tcagcctccc aagggtgggggt tatatgcgtg acgcgctgtg 120
 cccggctcca aagaacattt ctaagattg gtgggtgcaag gatcacacct tgagaaacac 180
 tgatttaggc ctccccacag taaaagaaa tgttgctctgc cccatcctta cagcacacct 240
 gatgacttac aagaggtgct gctgaattcc tcccaggga gcaaccttaa ttcttctcag 300
 caagacaagg aggcagcctt caggaaggac ccaggagctt ggtattagag gatgatccaa 360
 gtctgatggc aaatttagag tg 382

<210> 244

<211> 210

<212> DNA

<213> Homo sapiens

<400> 244

gggtagcac ttagccagta aaaatctgtg ctttgtataa aaagaacttt ggactgaggt 60
 tatatgagtc ttctgcagg ctggagacct ctgttacctt tacttctcta cttttgttgt 120
 cttgagacca gcttttttat ttttggtgag gagaacagca ggcagttcaa atgtcagga 180

aagacaagtt cagcttgctt tttccttatt 210

<210> 245

<211> 393

<212> DNA

<213> Homo sapiens

<400> 245

tttgacattg tcataatddd ttattatgta tcaaattgtc ttcaatataa gttacaactt 60

gattaaagtt gatagacatt tgtatctatt taaagacaaa aaaattcttt tatgtacaat 120

atcttgtcta gagtctagca aatatagtag ctttcattgc aggatttctg cttaatataa 180

caagcaaaaa caaacacctg aaaaaatata aaccaaagca aaccaaacc cccgttcaac 240

tacaaatgtc aatatggaat gaagcattaa aagccaacct taaagtaact tcagctttaa 300

tctagcaatg cagaatgatt actaaaatta gtggcaaaaa accaaccacc aaccaccaac 360

caaaccaaac caaccaacca aaaaatccca cca 393

<210> 246

<211> 315

<212> DNA

<213> Homo sapiens

<400> 246

tttaagaggt actcaaatat ttatttaata catgaataaa tggtagagtca gtgaaaaaaaa 60

atctgaagtt gtacaaaagt ggaagctcag tgttcctaat tatTTaatag cctgtcatta 120

tcagatgatc cgagcaattd atTTTTgcat tgttacaggc tgtgttctcc agaagtagac 180

agtagaccct cagatgtagt ctggtgttca agatgtttgt taaagatcag tatctgtaaa 240

aggaaaagag ttagaagcag tatcaactag aggaaaaagc taacatgcag tgcaagccca 300

atgaagcctc tgtag 315

<210> 247

<211> 429

<212> DNA

<213> Homo sapiens

<400> 247

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cggttattgg atatgtgaaa taccatacta tagcagatat ggaggtttgc cactcagatc      60
acttcaagaa aggacttccc gccacagcagt ggggagtgca gtcaccaggc agcctcctac      120
tctcagcttc ttcatagtct tagctgcaga aagccacctc actcaagttc acattcttcc      180
cagagcagcc tgcatacagat gactaagcag agtgtcaggg gataggagat agtagggata      240
tggaactcgc gtcatttcaa cccaatgtaa gaccagtcta acaggcaatg cttattctaa      300
agctacctac agaggcttca ttgggcttgc actgcatgtt agctttttcc tctagttgat      360
actgcttcta actcttttcc ttttacagat actgatcttt aacaaacatc ttgaacacca      420
gactacatc                                     429

```

<210> 248

<211> 184

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (133)..(133)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (142)..(142)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (152)..(152)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (156)..(156)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (163)..(163)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (176)..(176)

<223> a,t,g,c

<400> 248

aatgcattct agtaaaagtt catttgacag tctttttttt tttttttgaa attcacagtc 60

cattaaattc ttccctcttc ttcttttagc aaacttgtaa catcctttta taccctttct 120

taacagaagg aanttaagca ancaaaccag tntttngcct ttncttcccc gggttanactc 180

cccc 184

<210> 249

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (185)..(185)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (187)..(187)

<223> a,t,g,c

<400> 249

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cgaactggcc gcgagattgc tttcagcgc cgtcgagtgg gcccggaaca tccccttctt    60
ccccgacctg cagatcacgg accaggtggc cctgcttcgc ctcacctgga gcgagctggt    120
tgtgttgaat gcggcgagtg ctccatgccc ctccacgtcg ccccgctcct gggccgccgc    180
cgctngncat tgcttcgccc atgtccgccg accgggtggg gcctttatgg gaccacatac    240
ggatttttcc aagagcaagt gggagaagct tcaaggcgct tgcacgtttg gatttcagcc    300
```

<210> 250

<211> 338

<212> DNA

<213> Homo sapiens

<400> 250

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ttttagagtt gaaatatatt ctttattttc aggatggaaa taggataggg aaggaggaaa    60
gatacctttg ttagttgccg ctgcagtacc atcgaaagaa catccacgcc aacctgtcgc    120
cactcgctga tgcgagggcc ccgaggactg caagcaggaa cagattgctg ggcgtcagag    180
cctcggggct ggccagcagc tcgcccaggc tgggcctcca gggctcgatc agctcggcat    240
cccgcggcgc ccagccgagc acttcccgga acgaggcctg caactctgtc tccgcccgcg    300
gggcgcccag tcacgttaag aaagaagtag agccgggc                                338
```

<210> 251

<211> 349

<212> DNA

<213> Homo sapiens

<400> 251

```
ctggcgcgga tcggccgggt cactcacgca ccgcgggacg ttctcctgcg tgatcaagca    60
```

```

agaccagcgc cccctggccc ggctctactt ctttcttaac gtgacggggc cgcggccgcg 120
gggaggacag agttgcaggc ctcgttccgg gaagtgctgc gctggcgcg cggatgccga 180
gctgatcgag ccctggaggc ccagcctggg cgagctgctg gccaggcccg aggctctgac 240
gccagcaat ctgttctctg ttgcagtcct cggggccctc gcatcagcag tgcgacagtg 300
ttggcgtgga tggtctttcg atggtactgc agtggcaact aaacaaagg 349

```

<210> 252

<211> 493

<212> DNA

<213> Homo sapiens

```

<400> 252
tttttttttt tttttccgt ggcaactcaat cttttatatt cttaaactgt acacaaactg 60
acaatacttt aacagcaagt ctatgggaaa attgtttggt tttaaattat tatgaaacag 120
aatctatggg gagctttatt aaataaacat aaagatgagg atttaaggat acacacctgc 180
attctatcat agtcattttt actctacctt ctgggtgtgt aaggatggaa aagacacatc 240
aaaccgaata aacaaaatcc attcataccc tgaaacgttg gcaggccact caagggactg 300
ctcagaacgt ccacctcatc tcagatggcc tcaccgtcta ataaaattaa aactgatctg 360
ttggcctctt tggttccaaa attatgtata atacatttaa ctgtattctc tttttttttt 420
ttttgctgct ataaaataac tttttttcaa tggcagttct gactaatctg cacttaatca 480
gtgcaacata aaa 493

```

<210> 253

<211> 227

<212> DNA

<213> Homo sapiens

```

<400> 253
ctcgctcgcc ctctagatgt ccaagtgcc cgtgaactat gcaatttaaa gggttgacct 60
acactagacg aaactggact cgtacgactc tttttatatt ttttatactt gaaatgaaat 120
cctttgcttc ttttttaagc gaatgattgc ttttaatggt tgcactgatt tagttgcatg 180
attagtcaga aactgccatt tgaaaaaaag ttatttttat agcagca 227

```

<210> 254

<211> 419

<212> DNA

<213> Homo sapiens

<400> 254

```

cccatgtcca gttctgctct gacttgtggg tccaccttag aaaagtcagg agacacctgg      60
gaaatgaagg cactagactc ttccagactc gttccatggc caccagagg ccttgggtca      120
tccaccaaac atcccaacaa accccactgt gcactggcat catgccaggg tccaggtgtc      180
ctgccaggag cagcctctgc cctcccagag ctgacatttc agggggatgt gtgccaaagt      240
gagacctgtc agagatatatt acaagcagcc atctctcttg acatcgctgt atcccaaata      300
aatcttctgg gaagaccctc ttcacctcca gctctcctga tacagcaagg cagttgtgag      360
caagttattc ataactctac acctcaattt cttggtatgg aagatgggga taatgagag      419

```

<210> 255

<211> 331

<212> DNA

<213> Homo sapiens

<400> 255

```

tttttttttt cagactttgt agctgttttt attattaata ttatcttctc ctttaagcat      60
ccctttaagg gtgaaatgaa atccaaccat ttacagagaa aatgatttca gaatgtacat      120
attgattttc ccttacaaaa aaaataatac tattattgat gtccttacat tatgcatttc      180
ccagggtcct gccttctgct tggacaagtc cegtctcccc acccagactc tccctgttgc      240
cccaaagat ctcccatgct gccctggga accgacgtga cccatgggtg gataaggcca      300
gccatgcttc ccggatgctt ggcatggaca g                                     331

```

<210> 256

<211> 388

<212> DNA

<213> Homo sapiens

<400> 256

cactgctgcc atgtcccatg tccacctttc tccccgggaa taactggccc tgagaccct 60
 agaccaagg aggctgtcc atgccaagca tccgggaagc atggctggcc ttatccacc 120
 atgggtcacg tcggttccca ggggcagcat gggagatctt tgggggcaac agggagagtc 180
 tgggtgggga gacgggactt gtccaagcag aaggcaggac cctgggaaat gcataatgta 240
 aggacatcaa taatagtatt attttttttg taagggaaaa tcaatatgta cattctgaaa 300
 tcattttctc tgtaaatggg tggatttcat ttcaccctta aagggatgct taaaggagaa 360
 gataatatta ataataaaaa cagctaca 388

<210> 257

<211> 385

<212> DNA

<213> Homo sapiens

<400> 257

tttttcaaag aaactccaca tttattgtct catctagtca ttatcataac acagcaaggt 60
 ggggtggggat gggtacattt ttctcattct acagctctgg atttgtggga aataaatgca 120
 ccatcatcct actcaccttg gaaaaatgaa ggctgtgggg atgcataaca atgataatag 180
 ctaacgctca tgaatgctta ccacgtgcta agcacttttc taagcattat ctatgtatta 240
 atccaattaa tccccacggg cactgcatca ggtagcacag cagttatttg tgctgttcac 300
 caaatacttc caggcacatg gcagaattgc acttcctgc ccccttgagg tgaggtgcgg 360
 ccatgtggct tgctttgact gatgc 385

<210> 258

<211> 420

<212> DNA

<213> Homo sapiens

<400> 258

ttactgggga cactgggcta catgaagttt gggtcagaca cccaggccag catcacctc 60
 aacttgccca attgctggta tgtcctgcc acctcaggtg agataggag agacactgga 120
 actgttctgg ttgtcatagc agagagcaca gcaaagctga gccatgaagc tggtaatcca 180
 tcactggaag tgacatatgt ctctcctgct cacactgcat cagtcaaagc aagccacatg 240
 gccgcacctc actccaaggg ggcagggaag tgcaattctg ccatgtgcct ggaagtattt 300

ggtgaacagc acaaataact gctgtgctac ctgatgcagt gaccgtgggg attaatggga 360
 ttaatacata gataatgctt agaaaagtgc ttagcacgtg gtaagcattc atgagcgta 420

<210> 259

<211> 278

<212> DNA

<213> Homo sapiens

<400> 259
 ttttttcaga ggcaaataaa aaaacacttg gattttattca tgaggtaga gtcattctggt 60
 cagttctact gttctcagct gatcttggtg gggcttactc aagagtgggc aacagtatatt 120
 gggccaggca gctctgcaga tcagaggagg gtgcttacat gtctggaggc ttgactggga 180
 tgaccaggct gattcagcgc tgttccactt gccgccttct tcagcagtct gtcttaggca 240
 tgttctcatg gggaaggctt ttctccattc tgaagagg 278

<210> 260

<211> 340

<212> DNA

<213> Homo sapiens

<400> 260
 caggtccctg gactttggga ctcatctgc tcgacttgat ccccgctctg ccatttgatc 60
 acatacacac gtttacacct ggcagaagag gaagaggagg catgaaggaa tggcctcttc 120
 agaatggaga aaagccttcc ccatgagaac atgcctaaga cagactgctg aagaaggcgg 180
 caagtggaac agcgtgaat cagcctgggc atcccagtc agcctccaga catgtaagca 240
 ccctcctctg atctgcagag ctgcctggcc caaatactgt tgaccactct tgagtaagcc 300
 ccaccaagat cagctgagaa cagtagaact gaccagatga 340

<210> 261

<211> 446

<212> DNA

<213> Homo sapiens

<400> 261
 ttttttcgag tactgtaccg tatttattga ttctgtaagt ttacaagatg aacagtcggt 60
 ctaagatggc agcaactgca gctgcagacc tcaatcaatg gtccatatca agcaattcaa 120
 ctttttctta tatatcacgt catgaatddd ccttgcttct tggggaaaact tccagcatga 180
 ctagtggcgc tgcctttgta taagtcccat gtcacttggt attgcacagc tgtgtgtgat 240
 cccaggcaca cccacttcac ttcacccaag catgcccac tagtaaggaa gagatctgca 300
 tttgaatcca ggtctgtctt tctccaaagc tgtctttact ctttctctag gtaggaaatt 360
 agtgagctgg gcttcgattt tccacagtag ctgagagggc tttatgaact gactcccctc 420
 ctctggggct tcgtgttctc atcagc 446

<210> 262

<211> 477

<212> DNA

<213> Homo sapiens

<400> 262
 ctgtgtagtc aagagtaacc accagatggg aagagaatac agatcagctt gtgcaataaa 60
 gaaaggaaaa ctccaaagga gattattdcc atagactcat caacttctaa gcaaggaatc 120
 tcaaaaagac aatctaccag agaagtgact tggaccaaag agtaaacgaa caaaattaat 180
 gatgtggaca gccctaggaa tcagcttaga ggttcagcct ggcccctggg cggcacattc 240
 tacgagctcg tggaaaaggg caagcacaga ctattdacag ccgcagagaa atggcctcat 300
 aaaaatgcat aaggaatgat ggaggatatt tgccatctca tttttgaagc ctgattcacc 360
 gtggcccttg gggctttggg ccttcctaata gacatctggg ctactgccct ttgtgctgat 420
 gagaacacga agccccagag gaggggagtc agttcataag ccctctcagc tactgtg 477

<210> 263

<211> 361

<212> DNA

<213> Homo sapiens

<400> 263
 aaataagaca tgccataagt cgtgaagtta aaaaaatata agcatccgca cagaatatat 60

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tctaaggtga cttcatttac accgcttctc agagaaacac acaagtaacc ttttgtctgc 120
ctatcagcca gtgttgaaac agctttggaa ttcacatgga aggctgccgg gctggttccc 180
caacactagc ctgatggagt cctgtatccg caccgtgccg tcaaactggc tggtttccac 240
tagaaaagca atggagagtc agctctccct tctttaccca gcgttcaact ccacactgca 300
aaaactgcat aacctgaacc ctgctgtgat ggcaactgaa gtttaaacc aagtttggtg 360
a 361

```

<210> 264

<211> 511

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (152)..(152)

<223> a,t,g,c

<400> 264

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gggccgagct gtccgacgtg tactgcagg gacccgcccg gggtaggtct cgggctctcg 60
ctaccggaga gggaggagaa gggggaggtt aaaggggaag gacccggaa gtgccccctc 120
ctcagtgcgg gagagggaga cgccgggggc angtccatgc ctcccgggc gtggttggtg 180
cgtcccaggt gacgtcagaa gcagcccgc cctgcctgga tggtagccc tgagtacgt 240
caggagcaga ggccggagct gtccatcagc accaaaggcc gcgggggggc tcagggcag 300
gggccgcggt tctggggcgg ccgagccccg gctcctgcgc cttccccttc ctcaggccca 360
gcccagagttc ccggacgccg cgggactgga gtgccagccg gtgttgacg tggagcggcg 420
ccgccaccgc gccgacacca ttctctccgg ccagcagcc cccttcctcg cacgacggac 480
tttcctgga cccagtcag ttgagcctc t 511

```

<210> 265

<211> 519

<212> DNA

<213> Homo sapiens

<400> 265
 tttttttttt ttttttttca gtttggcaca ttataaaaag atgtaaaaca gagtggggtg 60
 ggggagacag aagcatgagg tgtctagggtt ggcattgacag acaccagaca tgcaccgtgc 120
 atttaaaccc ctccccaact cccttcccaa ccagcccag agcagcacc cccaccccc 180
 atctcctgcc actgccctca ggctgggtggc ttacagagg ccaggggacc aggggtgagg 240
 atgctacagt ttgcccata gacaaggaca agaaccctta gatgagtctg gctgcgaggc 300
 agggcgatgg gaaggaaggt agccctccg cggagacatg caggaggtgg cccatgggac 360
 cttggcaggg agtgaagagg tggggctgag cctggagaaa ccctaccagt cagaaatcta 420
 aggcaagggt ccagcgtcc cctccaagcc tgcccacccc cacacacata cacacagaca 480
 cacgggcaac aactcaca cctgagcac accccaatg 519

<210> 266

<211> 218

<212> DNA

<213> Homo sapiens

<400> 266
 ttaaagggtg agacacgtct aaccagttta atgacttcga aaccgtgcaa atgccaaact 60
 atggagcact agggatacaa gaggcaccaa ggctggggg gtgggggtgg gggacactac 120
 aacattgtca tggggaaaac gggatcacct aatattggtg ggggaaaagg gcggtccact 180
 ggcagctcag aactatgaca tttcctcag gggagcct 218

<210> 267

<211> 237

<212> DNA

<213> Homo sapiens

<400> 267
 agctggcttg ctctactttt caggaaggga tgcaggctcc cctgaggaat atgtcatagt 60
 tctgagctgc cagtggaccg cccttttccc ctaccaatat tagtgatcc cgttttcccc 120
 atgacaatgt tgtagtgtcc cccaccccca cccccaggc cttggtgcct cttgtatccc 180
 tagtgctcca tagtttggca tttgcacggg ttcgaagtca ttaaactggg tagacgt 237

<210> 268

<211> 551

<212> DNA

<213> Homo sapiens

<400> 268

```
gcggccgcgg ctgctcgggg ccgcgctggg tgcccattga cagcggcgtc tgcagctcgc      60
ttcaagatgg ccgcttggtt cgcattcatt ttctgctgaa cgacttttaa ctttcattgt      120
cttttccgcc cgcttcgata gcctcgcgcc ggctgctctt tccgggattt tttatcaagc      180
agaaatgcat cgaacaacga gaatcaagat cactgagcta aatccccacc tgatgtgtgt      240
gctttgtgga gggactttca ttgatgccac aaccataata gaatgtctac attccttctg      300
taaaacgtgt attgttcgtt acctggagac cagcaagtat tgtcctatth gtgatgtcca      360
agttcacaag accagaccac tactgaatat aaggtcagat aaaactctcc aagatattgt      420
atacaaatta gttccagggc ttttcaaaaa tgaaatgaag agaagaaggg atttttatgc      480
agctcatcct tctgctgatg ctgccatggc tctaattggag atagagagag gttgcagatg      540
aagataagag a                                         551
```

<210> 269

<211> 518

<212> DNA

<213> Homo sapiens

<400> 269

```
gttaccaatc tgaagtggga gcggccgggg tttttttttt ttttttttcc ttaacagtct      60
caggtatcaa ccagaagaag ttgctgatga cccatttact gatgatthtc gaggtctatt      120
ggcaaaagaa gattggtggg taccgctggg gctgttgctg gttccattca tagtactgga      180
aatgtgagga aactgtggat gaggagactg cactggagta ctggggctag gcaaacaaga      240
agaggtggag ggaatacctc ctgctgggct gttggccttg tcaactcccag agtcactttc      300
cagttctcca gcatttgtca gtccatctct ctggtgactg atcttcattc ttttacaagt      360
aggtcgaact ctgtattttca atggaagtgg accattcctt ctccaggtat aaatgtaggc      420
aatatcaatt agtgtataat aatcctttta aggtcccccc atacatgaca caatctggaa      480
agtttaagga tgtcattttac ttccggaaac tttctaag                                         518
```

<210> 270

<211> 379

<212> DNA

<213> Homo sapiens

<400> 270

```

gggaacgtga attttaatga gggggcagac cgaggaggtg gtggctgccc ggagatcagg      60
gccaggctgt gctagatggc gcctggaagg ggggtcaccc aagtctccct gctgtcattt      120
caggaggccg acccaagtct ccctgctgtc atttcaggag gccgaathtt ttcccaatcc      180
cagagaaggt gtcagaggcc tggtagcag tcttgtcgat ggtttcctgg gtggtcttgg      240
ccagctggtc catggctttc tgccccgcct ctgtggcctg gtccaccact tgctgagctg      300
ccgctccggc cgctgacacg gcttcctggg cgggtcccctc cacctgttgc ttcaggctct      360
gcaagcactt gcttgccat                                     379

```

<210> 271

<211> 465

<212> DNA

<213> Homo sapiens

<400> 271

```

tttaaataaa cattttcaag gtttgtccaa aagaaggcca tataggttct tggctagcgg      60
aagacaattc agaacagctg ttgcacactt ggactgtcac cttctccagg ctggcagttg      120
atatcttatt ttttttccaa ctcatthtta ttaaaaaaat aaaaaaatgc tccaactatc      180
agctttacaa aatctctaag ggaaacacaa gagcaaggtg ctgaggtaaa aacacctgag      240
gtagcttctt ctgtgtgttt ttctcgtaa aaaaatctgt gaatttaacg ccctgggcca      300
acaaccttgg taaatttcta ctttcctcca catttttttt ttttaaagaa aggaatcatt      360
ttgctgaata ttgatggctt atacaccaaa atgcaaaaag aaaaataca ttctttcatt      420
gtggaatttt ttctttgttt ggttgattgg ttggtttggg gggtt                                     465

```

<210> 272

<211> 343

<212> DNA

<213> Homo sapiens

<400> 272

tttttttaac ttgaatccaa atgatttatt tcagtttttg ctottaagcc acttccattg	60
ggaagaagaa actcccagga gtgacctttg agagctgagg gttctcgggg tggggcagtg	120
tgaggggctg ggccagtgtg aggggcaaag tccaacgggc atcccactcc tgcggcctgg	180
gctttcccag ctgatggggg gggggacacc catttcttta gtcccagccc ccagggaacg	240
gagcagaggg cagagggagt gaggtgcac ccaccaggaa gcctgggagt gcccttgctg	300
ggggctgggg cagaggcagc ccggcaggcc ctacaggag gct	343

<210> 273

<211> 477

<212> DNA

<213> Homo sapiens

<400> 273

tttgatcgcc caagcagaga ctgtatttcc cagattttct ggcagccaga gttggtcaca	60
gggctaattc tggatccatgg aatgtggctg gaaatgatgt gtccaacttc cgagtcacgc	120
cctgcaaagg aggttggttc cctccattc tgcttttcca tcctcctgct ggcttggaag	180
tggacggtcc tggatcagct gccctgtgac aactggcga tgaaagcagt ctctcaggt	240
gaacacattt tatgttgcag tcacagtatg agcttcagat tgtcttttaa aaatactttt	300
ccttcttcca tcatggaccc aggaacacgc cagcagagag gtgtctgaag gcagcgctca	360
ggtcgcagaa gcatgaggat ctggctgtca ccagccccgt agccagggt gtgaggacca	420
gggcagccgc tgtcccctgc ctacgctggc agcctgggat gaaggaggac accaggc	477

<210> 274

<211> 258

<212> DNA

<213> Homo sapiens

<400> 274

tttgaaattt ggaactttta ttaaatactc attcatccat gtgccaccac caccagagc	60
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aggaaaaaaa ttatcaaaat ggaattaaaa aaaacaaaac aaatcaaacc caatccccag 120
 cagtctatgt acagggccac tcctgcctc tctgccatag agaggttggg gggcagctga 180
 ggagtggtgg gggctgggca ccttttcttc agccacaggc ccctgaggaa ttaattgact 240
 gtggtgtcag gaagtccc 258

<210> 275

<211> 179

<212> DNA

<213> Homo sapiens

<400> 275
 ttatttagaa cttgaaaact ttatttcagt aaatggaaaa aaaataatgc atgtagcttt 60
 aacagttcac aagaagaaaa tagaggacac aaaagaacac cttgagaggc atctgtgtaa 120
 gaagcagctg aaatcattcc cagggttaacc ccccatccca taacaaacgg atagggaga 179

<210> 276

<211> 395

<212> DNA

<213> Homo sapiens

<400> 276
 taacaaacct tttttttttt ttatttgag ataaaaacag cgaagtccca cataccatac 60
 cctacaagac acaagggtgcg cagacgagcc ttggctatgt accggcgctg caggaagagg 120
 ctgtccgccg ggccctgggct gctccagcta cgcgaggagg cgccccatt gcaaagtgca 180
 gtttctccgc ggaggtggcg gtgggtcagt ggcagagggc catggtttcc atgttaagga 240
 agcggacgtg catcttggtc tcaatgtcga tcccctgccca gatcatctgc cccatgcaca 300
 cgctggccgc ctccatcatg gccccgtcgg cgatggagcg agcggactcc ttctcgatgt 360
 gagggtttcc cgacagcagc tcctcgacca cttta 395

<210> 277

<211> 406

<212> DNA

<213> Homo sapiens

<400> 277
attacaaagg gcttatgatg attttattgg ctgccagagg aacacagtaa ataactccca 60
gggtgtcttgt tggaaattaa tcatgtggaa attatcactt ctttggtgca ataatgcctt 120
ccagttgggc cttcagctgc tgatttgttc gcttcaggaa ctgaatctcc tcattgtgct 180
tcttctcctc cacctgccgc ctctcgtctt cccgcttctc agtggettca cattttgcct 240
tctgctcgtt cacttgccctc tccaggtctc tcttttccgt ctccaattct gcgattttcc 300
tctccatgtc tgacttcccc tgctcagcct gcagtgcctt cctcatgcca aacgccacgc 360
tgctctcgta cagggctctgg taggcagcga tggatcatgcg gatctc 406

<210> 278

<211> 495

<212> DNA

<213> Homo sapiens

<400> 278
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cagccccaca gccacccaag accaagctcc cctcaactcc ctgtgtccca gatcctacaa 180
agcaggcaga agaaatcttg aatgccatac taccaccaag ggagtgggtg gaagacacgc 240
agctatggat ccagcaggtg tccagcacc ctagcaccag gatggacgtg gtgcacctcc 300
aggagcagtt agacttaaag ctgcagcagc ggcaggccag ggaaacaggc atctgccctg 360
tccgcaggga actctactca cagtgttttg atgagttgat ccgggaggtc accatcaact 420
gtgcgggagag ggggtgctg ctgctgcgag tccgggacga gatccgcatg accatcgctg 480
cctaccagac cctgt 495

<210> 279

<211> 470

<212> DNA

<213> Homo sapiens

<220>

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<222> (6) .. (6)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (10) .. (10)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (13) .. (13)

<223> a,t,g,c

<220>

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<222> (49) .. (49)

<223> a,t,g,c

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<222> (51) .. (51)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (73) .. (73)

<223> a,t,g,c

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<222> (94)..(94)

<223> a,t,g,c

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<222> (130)..(130)

<223> a,t,g,c

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<221> misc_feature

<222> (232)..(232)

<223> a,t,g,c

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<221> misc_feature

<222> (235)..(235)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (256)..(256)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (328)..(328)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (412)..(412)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (432)..(432)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (454)..(454)

<223> a,t,g,c

<400> 279

caggtnatatn ttntttaatt atcactcaca tatttcacag gaaaaggant ntagcaaagt	60
ggatcaagggtg gtntaaaaaa aaaatccagg ttntacatg tctctctggt tacatctggg	120
agaaagggtt tcttggcatc agtcgcagca gctgcacttc tctgacgcc ctttgcaaac	180
acagccctgg gcacacttgc tacagcccac ggggaggcag gagcagcagc tnttnttgca	240
ggagggtgca ttgcnctct ttgcacttgc aggaaccag cgcagggtgc agggagacac	300
cagcgggcgc agggagcagt tgggggncc cattgcaagc ccgagggaga gactgggact	360
tttccaagg agagaagcga aggaagccag tggggggcag ctcgtgcccg anttccttca	420
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<210> 280

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (138)..(138)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (164)..(164)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (236)..(236)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (242)..(242)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (291)..(291)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (302)..(302)

<223> a,t,g,c

<220>

<221> misc_feature

<222> (367)..(367)

<223> a,t,g,c

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<400> 280
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atggacccca actgctcctg cgccgctggt gtctcctgca cctgcgctgg ttcttgcaag      120
tgcaaagagt gcaaataana ctctgcaag aagagctgct gctnctgctg ccccgagggt      180
tgtagcaag tgggccagg ggttggtttt gcaaaggggc gtcagagaag tgcagntgct      240
tngacttgat gccaggggaa actttttttc cagatgttaa aacagagaga natgttacia      300
antgggggtt tttttttatt a                                          321
```

<210> 281

<211> 321

<212> DNA

<213> Homo sapiens

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<400> 281
tttttgacag tcataaatgc ataaagttac tttattttta agtatacata taattttgaa      60
aaatataaat gctaaaatat ctcatcttct tcattcttta attccataaa agtcacaata      120
gaaagcttca taaaactgta aaatactatg ttataggaat tttaggattt atattggaaa      180
aagttattag taatatattg aaatgttttc tgttctttat ctttttttgt tccaccatgt      240
tgatctactt catttaaaat aaaaagatgc atcatttctc tctccaaagt ttaataaaga      300
cttaagagaa taaaaataag a                                          321
```

<210> 282

<211> 388

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (367)..(367)

<223> a, t, g, c

```

<400> 282
ggattcttta atctccagct cagcttcaac aattcaacgc tgttctttct gaaaaagtac      60
acatcgtgcc ttctctactt cgctcttgga acataatttc tcatggcagc ttttactaaa      120
ctgagtattg agccagcatt tactccagga cccaacatag aactccagaa agactctgac      180
tgctgttctt gccaagaaaa atgggttggg taccggtgca actgttactt catttccatg      240
aacagaaaac ttggaacgaa agtcggcatc tctgtgcttc tcagaaatcc agcctgcttc      300
agcttcaaaa cacagatgaa ctgggatttt atgagctcca gtccaacaat tttactggga      360
ttgggantct cttacagtga ggggcaca                                     388

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<210> 283

<211> 155

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (5)..(5)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (20)..(20)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (23)..(23)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (35)..(35)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (39)..(39)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (57)..(57)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (65)..(65)

<223> a, t, g, c

<220>

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<222> (80)..(80)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (90)..(90)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (97)..(97)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (100)..(100)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (133)..(133)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (152)..(152)

<223> a, t, g, c

<400> 283

accnggaaaa ctaaaagggg gtnggggaaa gacancttng gactgcttct ctcagtnccc 60

gctgncagac aatctgaagn acttttaagn gtaaccngcn cactaaccct cagcctgaca 120

cccagctatg tgnCGttgtc ttgacactgt gngggg 155

<210> 284

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(1)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (193)..(193)

<223> a, t, g, c

<400> 284

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naaggagttg ctgacttctg actctcctcc ccataatgac attatgacac cagttgatcc      60
tggggtagcc cagcccaaca gccgggttct gggccagaac gtcatgatgg gccctaattc      120
ggatcatgtca acctatggca gccaggcatc tcataacaaa atgatgaatc ccagctccca      180
taccaccctt ggnacatgct cagcagacat ctgcagttaa cgggcgtccc ctgccccaca      240
cggttaagcac catgccccac acctcgggta tgaaccgcct gacccaagtg aagacacctg      300
tacaagtgcc tcttgcccca ccccatggca gatgagtgcc tggggggggtt aacttccttc      360
cgtgaggcag ctggcaatgg gttatgggca ggatggggcc tttttccacc aggagaagct      420
tccaagttg attttggatg ggcttttttt t                                     451
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<210> 285

<211> 471

<212> DNA

<213> Homo sapiens

<400> 285

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gtagttcaat aatattttat tggcaatagc ataggagaaa ttcaatattg aatctcagaa      60
caagaagaag ctatttacia tgcatgtcaa ggaagagatg ggagaaggaa tgtcacaaaa      120
tttttttgta aatacatatt ttttatagag aagtaatcca tgaacctgca acatggatag      180
cttatccaac caactttaca aattactatt aatataagtt acatgcttgc catctaaagt      240
aactaaaccc atagactgaa aaactatgtg tcaaggtaac gtgagcactt taatcacttt      300
acttatatit tctaaaggca gtagtttctt ctctttttcc cgctatcata ttagatgaag      360
agacaagttc cttcaacaca aattctgata tcggctattg tgagaatccc tgtgagagtc      420
agctagaagc ccctgccacc agtctagtgc caaccaaatt accagatggg a                                     471
```

<210> 286
<211> 472
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (7)..(7)
<223> a, t, g, c

<220>
<221> misc_feature
<222> (38)..(38)
<223> a, t, g, c

<220>
<221> misc_feature
<222> (114)..(114)
<223> a, t, g, c

<220>
<221> misc_feature
<222> (432)..(432)
<223> a, t, g, c

<220>
<221> misc_feature
<222> (464)..(464)
<223> a, t, g, c

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<400> 286
ctgcgantga ccaaataaa ggcagatccc gacggttncg aggctcagge ggaggcgtgt      60
tccggggagc gcacctacca ggagctgctg gtcaaccaga accccatcgc gcanccctgg      120
cttctcgccg cctcacgcga agctctacaa atgcatcaag aaagcgggtga agcagaagca      180
gattggcgcg gggtgaaaga gggtcagaaa ttgtgcaaca aaggagaaaa agggatcatg      240
gttttggcag gagacacact gccattgag gtatactgcc atctcccagt catgtgtgag      300
gaccgaaatt tgccctatgt ctatatcccc tctaagacgg acctgggtgc agccgcattc      360
caaagcgccc cacctgtgtg ataattggtc aagcccatg aggagtacca ggaggcttac      420
gatcgagttg cngggaggag gttgcattcc ttgcccttac cctnttgagg gg              472

```

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<210> 287
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```
<211> 430
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```
<212> DNA
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```
<213> Homo sapiens
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<220>
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<222> (311)..(311)
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<223> a, t, g, c
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<222> (335)..(335)
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<223> a, t, g, c
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<220>
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<221> misc_feature
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<222> (354)..(354)
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<223> a, t, g, c
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<220>
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<221> misc_feature

<222> (373)..(373)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (378)..(378)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (387)..(387)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (395)..(395)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (416)..(416)

<223> a, t, g, c

<400> 287

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aatggcactg atggacagaa gactagcatt accttcatga aagggtgtt agagctgcct 120

gggaagaagg cgtgccttgg ggaactggga agatgccgtc agtgtgggtg ggcaggagga 180

cagccagtgc tctgtctgcc agcccaatag ctccagcgg tcaggtgcc aggtgctacc 240

ggagcccctc ataggggtaa ggggcaggga ctgcacctgc ctccagggca ctcatcgtc 300

agcctcctgg nactcctcat ggggcttgac cattnatgca cacaggtgtg gggngctttg 360

gagccttgcg ctnggcanc cagggtnccg ttttnaggag gggatatgag gacatnaggg 420
gcaaattttc 430

<210> 288

<211> 561

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (554)..(554)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (495)..(495)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (536)..(536)

<223> a, t, g, c

<400> 288

ttttaaaaag atacagtctt tactttttatt gaaataccaa atattgacta tgcaagctat 60
actggtaaat gtgctctttg atgttgacag aggagggctg ggctgcctgt ggtttccttt 120
cagattgtct gtgagtctaa tttctcatgg tcgtgtgaca aggaccccat ctttagctga 180
aattttcaat tgccaggaaa gaggtagaaa tctcttgctca aggttgctcg ttctatgggtg 240
ggcatctggg ctttagctcg tggaacttca aatgatttct gtaccttccg aaatatttcc 300
attaggtggc agcagcaaga atatttctgg aagcatgtga tgagttccgt aatgaagatg 360
gagccccttg tgcggtctct ccaggacacg ttatgtgggtg ttgaagaaca gaaagcaatg 420
aagtccttct cctccgtgga tcttgcaaac agaatctgcc tccaagggtc tcagaggact 480

tgtgaagaga tgacngccaa aggatgctgg agagtcttgg acccagagtt cccanggtt 540
 ttcaacctct gcangccccg g 561

<210> 289

<211> 578

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (545)..(545)

<223> a, t, g, c

<400> 289

gaaaagaaaa aatattatga taccaaaatt gaagacaagg ccctgatctt ggtagactct 60
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 aagatcacca gtgtaaaacc tcttctgcaa atcgaggctg gaccacctga gtcagcagaa 180
 tctacaaata tactcaaact ttgtcctcgt gaagaattcc tgagactgtg taaaaaaaaat 240
 catgatgaga tctatccaat aaaaaagaga gaggaccgca gacgcctggc tctcatcata 300
 tgcaatacaa agtttgatca cctgcctgca aggaatgggg gctcactatg acatcgtggg 360
 gatgaaaagg ctgcttcaag gcctgggcta cactgtgggt gacgaaaaga atctcacagc 420
 cagggatatg gagtcagtgc tgaagggcat ttgctggcca gaccagagca caagtcctct 480
 gacagcacgt ccttgggtac tcatgtctca tgggcatcct agaggggaat ttgcggaact 540
 gggcnttaaa agggaaaaac cgggattttt ctgctttt 578

<210> 290

<211> 469

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (454)..(454)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (456)..(456)

<223> a, t, g, c

<400> 290

ctcaaatact caattttatt ttatcattct cgcattgtgg gatgcgatct gcagctagga	60
tcggaattcc caggcctata gattttttaa ccacaccaca ggggtaaacc ttaaaagaag	120
tgaaacctaa cactatatat atttccattt ctaaatacag tatattacag aagtttaa	180
ataccacctc tgtgtactta caactataaa aagatacaat aactctacca attataaata	240
atgtagcatt tcatattaaa gacattatcg tacaatggaa gaataggaac cctctaact	300
atcactatca aggttagtgt ctatatctac ttgagataaa atactgaaaa ttcagtgtat	360
gaagccaaat cctgatttaa caagttattg ggtagtataa gtggataagt gttagccgga	420
tgaagggaag gccaatggtg ggtaatttat atcncnggac aaggggtga	469

<210> 291

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (178)..(178)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (456)..(456)

<223> a, t, g, c

<400> 291

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gggattctat ggaggacctc ggtcttcac ccaagtggcct gagtatttca ctggcagggtt      60
gtgaattttt cttttcctct ttggggatcc aaatgatgat gtgcaatttc atgttttaac      120
ttgggaaact gaaagtgttc ccatatagct tcaaaaacaa aaacaaatgt gttatccnga      180
cggatacttt tatggttact aactagtact ttcctaattg ggaaagtagt gcttaagttt      240
gcaaattaag ttggggaggg caataataaa atgagggccc gtaacagAAC cagtgtgtgt      300
ataacgaaaa ccatgtataa aatgggccta tcacccttgt cagagatata aattaccaca      360
tttgccttcc cttcatcagc taacacttat cacttatact accaataact tgttaaatca      420
ggatttggct tcatacactg aattttcagt attttn                                456

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<210> 292

<211> 447

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (351)..(351)

<223> a, t, g, c

<400> 292

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taaattaaaa aacaatttat tgaaaaagag taatgcttta tacaatttcc tattataaaa      60
ccccaaaatg tctattgggc tgtttccagg tgtggtagaa gaatataaaa agatcaaaat      120
tggtataaatt ctattgtaac aatttcggtg gtcatttttg gccataaaat ttttttgtaa      180
tgtttggtaa ctgatatcca catggaatta cactcacaca tcatgaagat ctatgtatgt      240
ggcaaaagcc atttaaattt taacttccaa aagcatatat tctcagggtt ggaaggcaca      300
ctaaaattta ttaggtccaa ttcctcataa gacacagtgg ctgactttcc ntgtgtagtt      360
tattatgaag taccatttcc aaactaacta tcctagcagc gtccgcaagg ctaacagcaa      420
gagctctgag ggcactcactg aacagat                                         447

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<210> 293

<211> 330

<212> DNA

<213> Homo sapiens

<400> 293

tttaaaatct catctgaatg catctaagtc aagcatgagg gaggtgaagt atgagtcatt	60
ccaaggcaaa attcttcttc agttgtgaag catggaacca gacaagtttt gtgcttccaa	120
aatgcagtgg tgggtgcaggc ataggataga cgttccattc tggaggctag atgggtgaga	180
tccagggtgc agtaagggttg gctccttctg aggcctctct cctttgcttg tagacagcca	240
ttttctctgt gtcttcaactg gtccttctct gtttgtgtcc taatctcctt ttcttataag	300
gacagcattt atattggatt agataccacc	330

<210> 294

<211> 417

<212> DNA

<213> Homo sapiens

<400> 294

gaccagacag ggcttccatc cagcagtgcc catgcctaga tatacctggc gcaccgcaca	60
acatcccagc ccacacaagg cctgtctacc tccatccaac atactgctag actgacccta	120
ctgaatccac attcccacat attacctga ctcatatcac ctagatcatg acagacacca	180
gatgtggcct tgaaccacac ctctgaacct ccaatctacc attctctctt gctcctgac	240
tccaggcagg gggctcacia gtttagcagag cagggcctaa cccaattaca tagccataga	300
ctgctatggg ttgtgtttct acagaagtca aatgttgaag tcctaacttc cactatttca	360
gaatatgact gtttttgaga tagggccttt aaagaggtga ttaatgctaa atgggat	417

<210> 295

<211> 427

<212> DNA

<213> Homo sapiens

<400> 295
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 gcttttagtaa atattgccaa gtaattttgc aaagtgtcgc taacactgct ttaggttttg 120
 tcacggaaga ggaagttgga ggccccagta ggagacagga ataatcagta gcaggggtga 180
 taatggggcca ttgcaatcca aaggcatggt gtctatgacc aggaatggca aattgctgat 240
 ccttgcaata tgtaatgagt ggaaaatgct gagactttgc cacctggccc attcttaaac 300
 atctccttag agagctctgc ccggagaaga gctacttcac gcgacgacaa ccgccgtttc 360
 cgacctcaca ggtccaggcg ttcccgaacg tctcgctccg acaacgccct ccacctggcc 420
 agcgaac 427

<210> 296

<211> 368

<212> DNA

<213> Homo sapiens

<400> 296
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 tcccagtcgc ctccgtctc ctcgcctgcc accggtgcac ccagtcgct caccagccc 180
 agtccgtccg gtccctaccg cctgccggcc ggcccacccc ccaccgcagc catggacgcc 240
 atcaagaaga agatgcagat gctgaagctg gacaaggaga acgccatcga ccgcgccgag 300
 caggcgaagc cgacaagaag caagctgagg accgctgcaa cagctggagg aggagcagca 360
 ggccctcc 368

<210> 297

<211> 541

<212> DNA

<213> Homo sapiens

<400> 297
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 ggtggggctg gcctcacagg ttgttgagtt ccagcagggt ctggtccaag gtctggtgaa 120
 tctcgacgtt ctctctcttg gcactggcaa ggtctcttct aggtcatcga tggttttctc 180

```

caactttgcc acagacctct cggcaaactc tgctcgggtc tcagcctcct tcagcttctc 240
ctccaacagt ttgatctcct cttcatatTT atcttctttg gtggaatact tgtccgcctg 300
ggcctccagg gatttcaagt tgttggtaac aattttcagc tcctcctcta ggtccccaca 360
tttactcctc ctctgaggcc atcagggact tgagggcctg gtccatgggt cgaagttcct 420
cctccagctg tctggctcgg ctctcggcca cctcagccct ctctccgag cgctccagct 480
ctccttcag gatcaccagc ttcttgcca cctcttcata tttgcggtct gaatcctcag 540
c 541

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<210> 298

<211> 397

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (11)..(11)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (12)..(12)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (13)..(13)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (14)..(14)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (374)..(374)

<223> a, t, g, c

<400> 298

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aattaatata nnnntgaaac aatttggtaa tgcagactgg gacaatgtca ctataccac      60
tgaggtaact gagacatgag agctttccaa cccaagggtca gaaatcactg aaacagctta    120
tgaaaccctc actattttag tgttttaaat tcagaatgct gtatTTTTtct cttgggcaac    180
agataacctt catttttgac gtaaatagata atggtggctt cacatggccc agggcaaact    240
tcaaaacaaa actgtaggga ccacattttt ctaacctgga aaataagtca tataaggggt    300
ccaaataagg gtaaaatttg ggaatttaat tattcctggg gggaaaatat tgtgggggta    360
tccttggtat cctngggccc ggtaatcccg ggtttta                                397
```

<210> 299

<211> 352

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (326)..(326)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (346)..(346)

<223> a, t, g, c

<400> 299

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tcaattttaa aaattacaca tggaacaagc caaataaata tttttaaaat actgttttta      60
tttagagaga gagacagctg tataaactgc tctgtgtatg tgtaaaacat tgataataca      120
ttagacataa tttgcagaaa ctactaattt tcacatcatt tccaagtaga actgcaaagg      180
tacagtactg gtttagcttt atggttaaaa gcattgggct ctaggagcca ggataacaca      240
ggcttcaaac cctagttctg ccgtttactg ggttgtgtta ccttggggta gggttacttg      300
gacctttttg aggccttcag gtttcntaat cttttatttt aatggngttt tt              352

```

<210> 300

<211> 169

<212> DNA

<213> Homo sapiens

```

<400> 300
aaatttaaaa agatgtcctc actgcacaag tgactacggg ctacaggcaa ggatgggaga      60
cggaggttc aacacaactc attgcactta gaaccgttac taaccgaaac accatttgct      120
tgtcaacaat gtacccttga cagcaggag aaacttcttt atagtctct              169

```

<210> 301

<211> 219

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (203)..(203)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (208)..(208)

<223> a, t, g, c

<400> 301
 atcacagaga aagactcaga ccctgcagat ggagaaggcc cagagacatt aagctcagca 60
 ctctctaaag gagcaacagt ttacagccct tccagatata gctaccagct cctgcagtgt 120
 gatagtcttc ggacagaatc acaaagcctc cttcagcaga gttcctcccc cttcagagga 180
 cattcctaca cagtctccca ggntacantt atcggaact 219

<210> 302

<211> 469

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (379)..(379)

<223> a, t, g, c

<400> 302
 actgtgataa aacatacaca gtttacaaga atatgaaatg ctttactaat tcgtgtgtca 60
 tccatgctaa tcattctctt attgttccaa ttttagtaca ggtgcttttg aagtgggcac 120
 tcttaatttt ttgaacattt tctaggtttc tgataccata ctcaattctgt gtcttaccta 180
 tcacaacccc agaatcagcc atttctccaa attcctttta gtggagagtg gtatttagaa 240
 accaggatct ggacaccatt tctctttttg ttattgttgt ttgccttgct ttaatgatag 300
 ctcttttttat taatttttcc attattataa aagatggcca aatacatata tttctatgga 360
 aaatgaatca agtcttatnt attttacagt taaaatttca ttattcctat ttttaactgat 420
 aaaccagttt aattttcaag atgtattaaa gtctcccaca attgtattc 469

<210> 303

<211> 299

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (296)..(296)

<223> a, t, g, c

<400> 303

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aatagaatac aattgtggga gactttaata catcttgaaa attaaactgg tttatcagtt      60
aaataggaat aatgaatfff aactgtaaaa taaataagac ttgattcatt ttcatagaaa    120
tgtatgtatt tggccatctt ttataataat ggaaaaatta ataaaaagag ctatcattaa    180
agcaaggcaa acaacaataa caaaaagaga aatgggtgtcc agatcctggg ttctaaatac    240
cactctccac taaaaggaat ttggagaaat ggctgattct ggggttgtga taggtnagc     299
```

<210> 304

<211> 606

<212> DNA

<213> Homo sapiens

<400> 304

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cagttctcta gtatctttat tatccattcc acggggggcac tcatggctgc acaactcagg      60
gggtgcagatg tctccctgca ccatgccagg tgtgggtgcag aatgggaggc aggggggatgg    120
agcagagaga ggcctggact gcctgtggct cttgtcgagt cactgccctt ctgtaggctc    180
tgctctggaa atgctggggg cagaggcagg tgttggggag cagccctgtc tccctctgtc    240
ctccagggga gcagctgggc ctgaggagga agcaccctg cccaggggc ccgaagcccc    300
agaggacca tatccccctg gggcagttgg ttgccctcc ctgaccttg gctctggaag    360
gtcagagcag cagagcagac tgcccgtttt ccccatctc agggcctggc tgaggcaggg    420
caggcaggag agaggccctt gaggcgggtt ttcaggccct ggccaggca ctcatatgg    480
gtgcacgaac tggtagacga ggcgctggga aatgtctggc ttccggatga tgcccttctt    540
gtaatactgg ccgatggagc cgctcagctt gtcgtagttc atggcgggac gttcttgctg    600
atcccc                                           606
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<210> 305

<211> 514

<212> DNA

<213> Homo sapiens

<400> 305

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ggagggcatc ttcaaaattg aggactcagc ccaggtggcc cggctgtggg gcatccgcaa      60
gaaccgtccc gccatgaact acgacaagct gagccgctcc atccgccagt attacaagaa      120
gggcatcatc cggaagccag acatctccca gcgcctcgtc taccagttcg tgcaccccat      180
ctgagtgcct ggaccagggc atgaaacccg ccctcagggg cctctctcct gcctgccttg      240
cctcagccag gccctgagat gggggaaaac gggcagtctg ctctgctgct ctgaccttcc      300
agagcccaag gtcagggagg ggcaaccaac tgccccaggg ggatatgggt cctctggggc      360
cttcgggacc atggggcagg ggtgcttcct cctcaggccc agctgctccc ctggaggaca      420
gagggagaca gggctgctcc ccaacacctg cctctgaccc cagcatttcc agagcagagc      480
ctacagaagg gcagtgactc gacaaaggcc acag                                     514

```

<210> 306

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (298)..(298)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (304)..(304)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (309)..(309)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (341)..(341)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (349)..(349)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (358)..(358)

<223> a, t, g, c

<400> 306

tatttgagca atttattttt tttcaaagaa atccatgcaa agagagaacg atagaaaggg 60

agggagtgag agagaaagac atggtaacca tgttctagca gccaaacata ggagaataat 120

ttggcacaac ttgatggttt tttttctttc ttgcaaaag gacaatctat atgctaccac 180

taaaatgtat ctctctccaa aagataccat ttgattttcg aaaacataac acatgggtta 240

ggtcctctac ttcattgggt gggagggagg gtatacaggg ataacaaaaa aaaaaaanta 300

gggnaaaant aaggaaagtg ggttcccctt tatcgggggg nggaccccng ggggtgctnta 360

gggggcaggc acatg 375

<210> 307

<211> 433

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (243)..(243)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (368)..(368)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (379)..(379)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (432)..(432)

<223> a, t, g, c

<400> 307

tggaatgata aaagtgaaga atcagctccg cttccttgca gaactggcct atgatctgga	60
tgtggatgat gcgcctggaa acagtcagca ggcaactccg aagacaacga gataagcacc	120
tttcacaacc tcgggaacgt tcattccccg ctgaagcttc tcaccagcat ggccatctcg	180
gtggtgtgct tcttcttctt gggtgactg actgcctggg tgcccagcac atgtgctgcc	240
ctnacagcac cctgtgggtc ttccttcgat aaaaggggaa ccactttctt atttttttct	300
atTTTTTTTT ttttgttatc ctgtataacc tctccagcc atgaagtagg agggcttaac	360
cagtgttnat gtttttcgna aatccaaatg ggtatctttt tgggagggaa ggtacatttt	420
agtgggtagg cna	433

<210> 308

<211> 491

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (393)..(393)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (402)..(402)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (409)..(409)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (421)..(421)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (438)..(438)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (460)..(460)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (478)..(478)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (491)..(491)

<223> a, t, g, c

<400> 308

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ctgaaactgt cggaatatat gggctcttgaa attcagaaga tgatagtcac tcttcccata      60
tttataggct attaaggcaa gggatatctt aaacatcata ttactttatt tagatttcta      120
ctactccaat tattaatggt atgtatttct cattgtttta cttcttcatg gtattatgaa      180
gactatatag atgattcaac caagcctgca aatctccctc ttgtgggaat tccactggga      240
cccaatctgt ttccatttcc cattgcaata ctactaaagc catacaatat caaggcaccc      300
tcctcttagg gtccagggga ctatccacag gaggaggcag ggcattgtaag gattttaagg      360
gactgggttt cgaggggggtc cgagtgtagg ggnaaacagc cntgtttgnc atttgtagg      420
ngtggatgtc catcttgnag gagccgctgg gcctggatgn cctgctgttt tgactccngg      480
cataccaga n                                                                491

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<210> 309

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (6)..(6)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (92)..(92)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (106)..(106)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (118)..(118)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (142)..(142)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (183)..(183)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (189)..(189)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (268)..(268)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (297)..(297)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (337)..(337)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (430)..(430)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (463)..(463)

<223> a, t, g, c

<400> 309

ggtttngaga taaaccaatt ttatgtctat catgttatac aaaaatctag aaataataga 60

tttgtacaga aaaaaatgat aataaatgag ancacaaaac atatanttta aatttggnat 120

```
ttttccccc atgatattag gntgataatc atttcaaagc acatgtctag cttcagagta 180
ggntttgtnc actggccaaa gctgccatg aaactatggc tttcagcatc tgtctgctct 240
actggctctt gacaaaactc ttgaggtnnt caagaaaagt aatgtactcc tggggcnccg 300
ggctgtgctg agctccacca gctcatctgc aaaagtnttg tccacccctc ggtcggcaag 360
gaaatccatt aggtgggtcat ataaggccca gtccaaggaa tccgtgttga gtgtataatt 420
agtatcccn cgttcccga tttttggcct cgagggcaaa ttnccccata g 471
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<210> 310

<211> 438

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(1)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (372)..(372)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (384)..(384)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (397)..(397)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (409)..(409)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (432)..(432)

<223> a, t, g, c

<400> 310

```

ngggataacta attatacact caacacagat tccttggact gggccttata tgaccaccta      60
atggattttcc ttgccgaccg aggggtggac aacacttttg cagatgagct ggtggagctc      120
agcacagccc tggagcacca ggagtacatt acttttcttg aagacctcaa gagttttgtc      180
aagagccagt agagcagaca gatgctgaaa gccatagttt catggcaggc tttggccagt      240
gaacaaatcc tactctgaag ctagacatgt gctttgaaat gattatcatc ctaatatcat      300
gggggaaaaa ataccaaatt taaattatat gttttgtgtt ctcatattatt atcatttttt      360
tctgtacaaa tnctattatt tctnagattt ttgtatnaac atggatagnc ataaatttgg      420
gtttatcctc cnccaaaaa                                     438

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<210> 311

<211> 255

<212> DNA

<213> Homo sapiens

<400> 311

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ttaaaaaatc aactacagag aaagggccat gtcttcgagt ccatgttcac attgtcccac      60
gctgtcgcac caggatgggc cgcatacttt gtcctggctg ggactgtggc ctcttggaag      120
ggtactgggc cactccaggg ctcggtgtgt gctcctcctg ggatccacta gaggggtgaac      180
tctgggccct occagactcc tgctcctctg gggccccccag ggactctggg caacccttcc      240
ccttgctcca aacca                                     255

```

<210> 312

<211> 305

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (224)..(224)

<223> a, t, g, c

<400> 312

gataagttcc ctaacatctc cagctcctgg ctctggtttg gagcaagggg aagggttgcc	60
agagtccttg gggccccaga ggagcaggag tctgggaggg cccagagttc accctctagt	120
ggatccagga ggagcagcac ccgagccctg gagtggccca gtacccttcc aagaggccac	180
agtccagcc aggacaaagt atgcggccca tcctggtgcg acangtgggg acaatgtgaa	240
catggactcg aagacatggc ctttctctg tagttgattt tttaaattg ccattattgt	300
tttta	305

<210> 313

<211> 449

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)..(2)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (3)..(3)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (14)..(14)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (43)..(43)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (419)..(419)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (424)..(424)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (434)..(434)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (447)..(447)

<223> a, t, g, c

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<400> 313
annagtggat attncacagt ttatttccaa acactcagag ganaggggggt ggcctatggg      60
tccatctgcc tccctccct gcatttggt gaatcaagaa cttctcccc ctgaccccca      120
agaccctagg ctgtgccaat agagaaggca ctgtcacccc ccaccctgag gagacctaga      180
caggtgagga gcatggaggg tgggggaaca gagttcaagt attcacagtt ccccatcta      240
caccctggga ttacactgtg ccagagccat gagggaggat cccacctctg ggattcctag      300
tggtgttga tagtccttct cccacttagg aacctccag atgaactccc tactcctttt      360
ccctggaaat aacaaaccaa ggtcctaagg ccctgtagtt tggggcaagg gagggagtnt      420
aggnagggcc attnacccaa gggcccntt                                         449

```

<210> 314

<211> 409

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (227)..(227)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (232)..(232)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (283)..(283)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (349)..(349)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (360)..(360)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (386)..(386)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (391)..(391)

<223> a, t, g, c

<400> 314

ctatgttccc caggattcag ctattctgga agatcagcac cctaagagat gggactagga	60
cctgagcctg gtccctggccg tccctaagca tgtgtcccag gagcaggacc tactaggaga	120
ggggggccaa ggtcctgctc aactctaccc ctgctcccat tcctccctcc ggccatactg	180
cctttgcagt tggactctca gggattctgg gcttgggggtg tggggtnggg tngagtcgca	240
gacagagctg tctgaactca cgtgtcagaa gcctccaagc ctncctccca aggtcctctc	300
agttctctcc ctccctctct ccttatagac acttgctccc aaccattnc actacaggtc	360
aaggcttttc acccccatcc tggggncctt nggttgagtt gcctgggta	409

<210> 315

<211> 308

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (16)..(16)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (194)..(194)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (199)..(199)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (245)..(245)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (274)..(274)

<223> a, t, g, c

<400> 315

cacttcaatt ttaatncttg aagaacagcc tcgacaacat atatcgact cattataaga 60

agcaaagggt tatatcaaaa attattagta tagaatcaca ggaaatctgg tttggaacca 120

```

gaaaaaaata caaaacagat atagatacat agacacagga caatTTTTta taattatttg 180
gaaaatgtta tttccccna attcttggtt cctttttctt tatgcgcata cgatgtttaa 240
atttnacaaa aaatgaaaat aaagactagt attntacaaa atgaataaca atgttcagtg 300
tgtgtgtg 308

```

<210> 316

<211> 388

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (357)..(357)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (366)..(366)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (375)..(375)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (383)..(383)

<223> a, t, g, c

<400> 316

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aagcatggga aaaagagact ctttaggat cagatctgtg agcacgttgg cgaggaaaaa 60

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caaaacaaac aaaaaaaga accttggtgc tgtctggtga aaaaaagaaa aacaaattgg 120
aagagaggac catgagaatt ttaataaaac agaaggaaac taatggacct tccaggattt 180
attgtggacg gatgtggata tattctgtac aggaacaaca catatggaag tggactgaag 240
cctatgtaga aacacacaca cactgaacat tggtattcct tttgtaaaat actagtcttt 300
atthttccatt tttttgtaaa atthttaaca tcgtatggcg ccttaaagaa aaagggnaac 360
cagganttag ggggnaaatt acnttttt 388

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<210> 317

<211> 514

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (374)..(374)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (409)..(409)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (425)..(425)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (454)..(454)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (486)..(486)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (501)..(501)

<223> a, t, g, c

<400> 317

gaatagctat ggaagttctc tttattgatt acttaatgtg taacaataat tggcatcttt	60
ttcacacatt acaaaaaatt atacttggtc cagtatgcaa ccttttaagc atagccatat	120
tatttaacaa aagaggggaa aacctattct acccaacaca gcatttacia atgcacaaaa	180
catgccactt tggcttgtat attgtctaga ttaaaaaaaaa tcttttaaca taaataagtt	240
agtataaatt tttcagtgtt ttacagagt tatgtacaca ggtacacttc aaatggtttt	300
tccatacaca ggcaatgaaa tactgggttta aagatgtagt atccatttca cttatcctac	360
aagtgtgctt ttcnctacat gaaccttccc tgaaaaataa cactttccng tgggataaat	420
ggacngagta agccttaaat taaaaaatat ttcnattttt aatgggaagt tacctacaga	480
tccttnaaaa tatcgggggg ntaggaatt aatt	514

<210> 318

<211> 505

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (4)..(4)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (5)..(5)

<223> a, t, g, c

<400> 318

tccnnttcag agacagctga tacttcattt aaaaaaatca caaaaatttg aacactggct	60
aaagataatt gctattttatt ttacaagaa gtttattctc atttgggaga tctggtgatc	120
tccaagcta tctaaagttt gttagatagc tgcattgtggc ttttttaaaa aagcaacaga	180
aacctatcct cactgccctc ccagtcctct cttaaagttg gaattttacca gtttaattact	240
cagcagaatg gtgatcactc caggtagttt ggggcaaaaa tccgaggtgc ttgggagttt	300
tgaatgttaa gaattgacca tctgctttta tttaaattgt tgacaaaatt ttctcatttt	360
cttttcactt cgggctgtgt aaacacagtc aaaaataaat tctaaatccc tcgatatttt	420
taaaagatct gtaagtaact tcacattaaa aaaatgaaat atttttttta tttaaagcct	480
tactctggcc catttatccc acagg	505

<210> 319

<211> 249

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (244)..(244)

<223> a, t, g, c

<400> 319

ataataagga aacgtgttca cttattgact attatagaat ggaactcatg gaaatctgtg	60
tcagtggatg ctgctctgtg gtccgaagtc ttccatagag actttgtgaa aaaaaatttt	120
atagtgtcct gggaattttc ttccaaacag aactatggaa aaaaaggaag aaattccagg	180
aaaatctgca ctgtgggctt ttattgccat gagctagaag catcacaggg tgaccaataa	240

cccngacgc

249

<210> 320

<211> 376

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (172)..(172)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (195)..(195)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (229)..(229)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (288)..(288)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (292)..(292)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (365)..(365)

<223> a, t, g, c

<400> 320

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tttttttttt ttttttttta aagggtatgt gaacggaaac acattttatta caaaaaaaaaa    60
aaaccccaaa acgaaaaaca aattcacatt gtattgagct acaatatggc agcagattaa    120
aaaaaaatat ttttacacag ttttaaggtaa ctctaacag aacatagcct tnttgccacg    180
agacaggaca caggnttcca agtactcagt agacggcgag tgaagcggnc atcgctgggg    240
cctgctcccc cggctctggc ctccaaaccc gccctgcatg ccaccgtntg gnatgggggtg    300
gccccgggag gccccgcctg gggaaaaagt tgccgcgccc tgacattcct cctcggttca    360
tcatntgggc cagggc                                     376

```

<210> 321

<211> 466

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (321)..(321)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (429)..(429)

<223> a, t, g, c

<400> 321

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atgaagggtt ccatttgata cttccttcac tgtggaagga agaaatttgt aaaaattatt    60

```

tccagaatat	gcacacatta	aaggtttata	aacctgacct	ttcttttagta	gaagacagta	120
agagaatact	gttggtctctg	ggaactaacc	atttgagctg	tgggacccag	ggaatctctc	180
ttgtaagcat	catcttttagt	gggtgactcc	tgggtggccct	cccagctctg	gtggtgctgt	240
ggggacctgc	cttgagatg	ccttggtact	agtacctttt	ttgtaccagg	ccatgagcct	300
agggcacagg	gcttctgctg	ncagatttca	ggaaggcagc	tgtgttgtgt	gaaccgatac	360
agcctgccag	cacttctgtc	ccgagttgac	tgtcgttggt	catccttagc	atgtttgcct	420
gaaaaagcnt	ttgggggtctt	gggcgttgac	attgaagttt	tttttt		466

<210> 322

<211> 341

<212> DNA

<213> Homo sapiens

<400> 322

ccattttggg	gtggagaagg	tgatgtgat	gaagccaata	attcaggact	tattccttct	60
tgtgttgtgt	tttttttttg	cccttgcacc	agagtatgaa	atagcttcca	ggagctccag	120
ctataagctt	ggaagtgtct	gtgtgattgt	aatcacatgg	tgacaacact	cagaatctaa	180
attggacttc	tgttgtattc	tcaccactca	atttgttttt	tagcagttta	atgggtacat	240
tttagagtct	tccattttgt	tggaattaga	tcctccccct	caaagtctgt	aattaacaac	300
acttaaaaaa	cttgaataaa	atattgaaac	ccctccgtgc	c		341

<210> 323

<211> 350

<212> DNA

<213> Homo sapiens

<400> 323

ggtttcaata	ttttattcaa	gttttttaag	tgttgtaaat	tacagcattt	gaaggggagg	60
atctaattcc	aacaaaatgg	aagactctaa	aatgtacca	ttaaactgct	aaaaaaciaa	120
ttgagtgggtg	agaatacaac	agaagtccaa	tttagattct	gagtgttgtc	accatgtgat	180
tacaatcaca	cagacacttc	caagcttata	gctggagctc	ctggaagcta	tttcatactc	240
tggtgcaagg	gcaaaaaaaaa	aacacaacac	aagaaggaat	aagtcctgaa	ttattggctt	300
catcacatcc	accttctcca	ccccaaaatg	gcacaaaaaa	aacaaaaaag		350

<210> 324

<211> 479

<212> DNA

<213> Homo sapiens

<400> 324

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gtgttagaga ttatttatta ttactcttag gggaatgaat tctggacaag ggatgtgaaa      60
attccagaaa cctcgcattg tgacaaaat gactgtaaaa tatggagcac agcctgtcac      120
tatatgaata taaatggcct ttgcagagag gtaagttctt tggaaagaat ggtctccagc      180
tatatgtctc aagcttcatg gagaggggca gggatgaatg gcagggagga agcaggaggt      240
ctcaccagca gaatccagga gctcactggg gacccatccc aattcttaaa gcatgggtaa      300
ttcagccagg cctcagcctc ttgtgccagc tgccctcaac cctttgggtc tccaccaccc      360
aagtttctg tagggtcgcg cgggtccagg atcacaggcc tgggtttcgt gagctgcctt      420
ctcagggtact tttcaataat ggggttttta aagtcataat actttgtcca gtagatgca      479

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<210> 325

<211> 554

<212> DNA

<213> Homo sapiens

<400> 325

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gagcgaggga gcatgaaaac acatttcaac acagactgtg gatttcggac ggtcttggca      60
ttagtcataa actaccagca actctgcac tactggacaa agtattatga ctttaaaaac      120
cccattattg aaaagtacct gagaaggcag ctcacgaaac ccaggcctgt gatcctggac      180
ccggcggacc ctacaggaaa cttgggtggt ggagacccaa aggttcggag gcagctggca      240
caagaggctg aggctggct gaattaccca tgctttaaga attgggatgg gtcccagtga      300
gctcctggat tctgctggtg agacctctg ctctctcct gccattcatc cctgcccctc      360
tccatgaagc ttgagacata tagctggaga ccattctttc caaagaactt accccttccc      420
aaggccattt aaatccctaa agtcacaggc tgcgctcaaa atttacagtc attttggcca      480
caatcgaggg tctcgggaat tttcacatcc cttgtccaga tttcattccc ctaagagtat      540
aataataatc tcta                                     554

```

<210> 326

<211> 331

<212> DNA

<213> Homo sapiens

<400> 326

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atttacaagt cctttttattt tgcattgttca ttgttaaattt aatactgtaa atgtattcaa      60
attcattttac atgcctatgg ttgcctttga ttaaactttct tccaaaaaat aaattctgcc      120
cagatgtttgt tgacttttatt atttcatgtc agattacttg aatatacggt gctgcataat      180
cactaccaag tgggtttcttt gctgtgcatt tgtatatccc agaatcggag gtttggggat      240
tctgaatgac tagggtagct tgtaagtga gctgctcact tccatgtgtc ctctctttac      300
ttgccgttga gagaagggag tggtcaggca t                                     331

```

<210> 327

<211> 446

<212> DNA

<213> Homo sapiens

<400> 327

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tccagatttc tgtgatccca ctagcccat gttgctcaac acaaatacta ttaacttgta      60
tactatacct ctttggccct tgctggactg taaaaacctg tgactaaact atttcctctt      120
atccatttca gtgataaatt ctgcagtact tgatactggt tagccattgc taatttgact      180
aatgaagtgg actgtgacac cttttgaatc cctatagatt atttatataa aaactaactg      240
gggatcttta ctgcgaatgg agaggaggaa gaatgaaaaa aattgtgttc cattactggt      300
ttaaaaaatt agagtacacc atctttgggtc tatatcaatc aaaggaaaac aagaatagtg      360
aagaatatga attttttagag tttgtcctaa ctcatgcttg tcctattaaa aagaaagtaa      420
caaagtgtta ctataagttt atatgc                                     446

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<210> 328

<211> 457

<212> DNA

<213> Homo sapiens

<400> 328
aattcgggaac gaggctatatt agaaataagc taattggatc agtggcttaa ataatagctg 60
actgtgtgta catatgtata taatatgtat atacaatatc aggcattgat gtggcttga 120
atattgtttc ctccataaaa tgtggaagtg aattaaacaa gttttagtca ttatatacaa 180
gtcacaataa taaagttcag ttgtcacaa gattaaattg ctcacaaggc aaaattgtat 240
tgtttggaac aatcacagt aacaatcctg tgagttttct attatgaagg ttaataataa 300
atgggctcat ttagttgctt gggcacctat tcacaaattc atttgcagc ctctttttag 360
ttctcttaaa aaaaaaaaaa tcatatgatc attttccttt ttgggggtac ttagcttcca 420
tgcctataaa gtctggtacc agactgactt gaaattc 457

<210> 329

<211> 494

<212> DNA

<213> Homo sapiens

<400> 329
tttcctatgc tgggaggaag cattttaatc agatggtcgg ggatggtaac actgtacagg 60
gagaactcac agctccaaga gcttccctcc aaattatgat gaagttcctg taaataacta 120
gatttcctac agcctgggtc tctgcccatt ggaaggaggg gaaatggatg tgaaaagcaa 180
tgtggtctgc cctcctgtca ttcatagatc cagttctgag cacagctcgt gtaatctacc 240
agttcctcag ggtgaaacac aagccgatct ccttctctgc actctccaca gaatcactgc 300
catgtataat gttcctgcca acttgatgc agaagtctcc acggatggc ccaggcttgg 360
agtctgcagg gttggtctcc ccgagcatga ctgggccgt cttcaccaca ttcagcgctt 420
ccagaccatg gcaataaccg gcctgagtgc atgtatttca caggccggca agaattggacg 480
gtccttcagt caac 494

<210> 330

<211> 507

<212> DNA

<213> Homo sapiens

<400> 330

aattcggcac gcaggggtga cctgaaggac cgtccattct ttgccggcct ggtgaaatac 60
atgcactcag ggccggtagt tgccatggtc tgggaggggc tgaatgtggt gaagacgggc 120
cgagtcatgc tcggggagac caaccctgca gactccaagc ctgggaccat ccgtggagac 180
ttctgcatac aagttggcag gaacattata catggcagtg attctgtgga gagtgcagag 240
aaggagatcg gcttgtgggt tcaccctgag gaactggtag attacacgag ctgtgctcag 300
aactggatct atgaatgaca ggagggcaga ccacattgct tttcacatcc atttcccctc 360
cttcccatgg gcagaggacc aggctgtagg aaatctagtt atttacagga acttcatcat 420
aatttgaggg gaagctcttg gagctgtgag ttctccctgt acagtgttac catccccgac 480
catctgatta aaatgcttcc tcccagc 507

<210> 331

<211> 483

<212> DNA

<213> Homo sapiens

<400> 331
cacagtctgg gggccccgaa gcccctcaat ctttattcca gttcctcaga tgtggcagtt 60
ccccagctt ccctggaaac aagtatcaga caaaggtggt ggcagacaca ggacagggcc 120
ctgggtgggg cttgctggcg ctaaaaggat ttctcagcag gctcagggtc tcccgccccg 180
aatgaccctt ctggccactt caagctactc ctctgctgcc cggttccct ctgcctctgg 240
ttcccctggc tgagcagggc cttcctgggc ttgacctgg ccccttcag cagttgtctc 300
agactgttcc cgaatgtccc tggggctggc tttgaccca gcatcccat ctccctggca 360
cccttgctcc tccctctgc ttcttgctc tgactgcca ctgccctcct cctctgtcac 420
agccccctgg gtctcaggcc actctgccg gcggtagacg aggtagccag tggtagggcag 480
ctg 483

<210> 332

<211> 492

<212> DNA

<213> Homo sapiens

<400> 332
gccacaccc tccactgag ccccgtcag gagctacggc gctccctcag cctctgggag 60

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cagcgccgcc tgccctgccac ccaactgcttc cagcacctcc tccgagtagc ctatcaggat 120
cccagcagtg gctgcacctc caagaccctg gccgtgcccc agaggcctcg attgccaccc 180
tgaaccagct ctgtgccacc aagttccgag tgaccacagcc caacactttt ggcctcttcc 240
tgtacaagga gcagggctac caccgcctgc cccctggcgc ctggccacag gctgccaccc 300
actggctacc tcgtctaccg ccgggcagag tggcctgaga cccagggggc tgtgacagag 360
gaggagggca gtgggcagtc agaggcaaga agcagagggg aggagcaagg gtgccaggga 420
gatggggatg ctgggggtcaa agccagcccc agggacattc gggaacagtc tgagacaact 480
gctgaagggg gc 492

```

<210> 333

<211> 440

<212> DNA

<213> Homo sapiens

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<400> 333
tttaagttta tttttaacaa caaaaaaatc tgtatttttc tcctaaaagg taccaaaatt 60
tgggcaacta taaatgtttc attctatact tagaaataaa ataaatgggt tcttttttat 120
cattatctga aagaatggat tgtctggctt cttgaaatcc atggcctctt actgggacag 180
gaaaggcatt ggagttatgt ccctagacta gaaagagtat ggttcatgag gtccctggcc 240
ctctccataa ctctgcattt ggtcactaaa tattggtaga aaaagtatct gtccattact 300
ttacttggtc caccacctag agccaaagga gttagaaggt aattaatagt gatacggata 360
gaatgcaagc cacagtcacc tccatccttc tcaccatctc tcaagcccat gtccttgacc 420
tttggtatct acatccatgt 440

```

<210> 334

<211> 321

<212> DNA

<213> Homo sapiens

```

<400> 334
gatgaataac tttgacaggc tggaaaaagg tgacatttca ggtagagcgt gtcacatgga 60
tgtaaatacc aaagggtcaag gacatgggct tgagagatgg tgagaaggat ggaggtgact 120

```

gtggcttgca ttctatccgt atcactatta attaccttct aatgcctttg gtctaggtgg 180
 tggaacaagt aaagtaatgg acaaatactt tttctaccaa tatttagtga ccaaatgcag 240
 agttatggag agggccaggg acctcatgaa ccatactctt tctagtctag ggacataact 300
 ccaatgcctt tcctgtccca g 321

<210> 335

<211> 241

<212> DNA

<213> Homo sapiens

<400> 335
 ttttaagaaaa gtaaattcat cttgctcaca gtcctttctg gaagagttta gaaagcaaag 60
 aattcaccga ctcagcagga agcagaacga gctgttcctt cttttgacac gcacaagcta 120
 atcccctaga gagtggggat gtgggaaacg gagggtaatt aattctttgg tctactggttc 180
 aatgctgaat agccttggtc agttttggct ctctcctatt ttagggggaa aaatatTTTT 240
 g 241

<210> 336

<211> 564

<212> DNA

<213> Homo sapiens

<400> 336
 gcaggtcagc aacaagttta ttttgagct agcaaggtaa cttggtaggg catggttaca 60
 tgttcaggtc aacttccttt gtcgtggttg attggtttgt ctttattggg tgggggtagg 120
 ggaaagcgac gagaagtaac atggagtggg tgctgcctcc ctgtagaacc tggttacgag 180
 agcttggggc agttcacctg gtctgtgacc gtcattttct tgacatcaat gttattagaa 240
 gtcaggatat tttttagaga gtccactgtt tcttgaggga gattaggggt tcttgccaag 300
 atccaagcaa aatccacgtg aaaaagttgg atgatgcagg tacaggaata cacgatggca 360
 tagttctcat agtcggtggc caggttccag tacgggtgccg atggcataaa ccaggaaaac 420
 ttaacttcca gcttggcagg ctctgtgagg ttaactgggg tggttcacc ttcgatttga 480
 ttcacagttc catcagctct caactcctgg tttaacactt tgatctttcc gttttccata 540
 gtgagtagtt ggcccgtatg cagc 564

<210> 337

<211> 490

<212> DNA

<213> Homo sapiens

<400> 337

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ctgattctgc atctggaaac tgccttcac ttgaaagaaa agctccaggt cccttctcca      60
gccaccagc cccaagatgg tgatgctgct gctgctgctt tccgcactgg ctggcctctt    120
cgggtgcggca gagggacaag catttcac tgggaagtgc cccaatcctc cgggtgcagga    180
gaattttgac gtgaataagt atctcggaag atggtacgaa attgagaaga tccaacaac     240
ctttgagaat ggacgctgca tccaggccaa ctactcacta atggaaaacg gaaagatcca    300
agtgttaaac caggagttga gagctgatgg aactgtgaat caaatcgaag gtgaagccac    360
cccagttaac ctacagagc ctgccaagct ggaagttaag ttttcctggg ttatgccatc    420
ggcaccgtag tggatcctgg ccaccgacta tgagaactat gccctcgtgt attcctgtaa    480
ctgcatcatc                                     490

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<210> 338

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(1)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (4)..(4)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (7)..(7)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (130)..(130)

<223> a, t, g, c

<400> 338

naanaanatg ttgaccatgt agttttatatt catcagtact cccatttttta atggattcag	60
gcagcacccc agagtacagg actgagttcc taggggtggc ctgaccacgc agctgtcttc	120
tgttccaggn ggaaaaagct tttattataa aaacagaaac gaaacttttag aaaatatgaa	180
aaatcagagg gaggacagag gtcatttcat aaaatcgtaa tttgaaaaca gtgcagtgtg	240
caaataacac tcagttgggg aatcggggaga cggggggact agtctaactg ggctcaaact	300
aggctgtgac cttagggcgt gtcattcacc acttggggga tcctttcctc atctaaagca	360
ttcagcacag ttacctgtt agggcacttt tacg	394

<210> 339

<211> 413

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (33)..(33)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (251)..(251)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (313)..(313)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (346)..(346)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (400)..(400)

<223> a, t, g, c

<400> 339

atgacccttt gcctgttccg catcctggag gcnghaaagg gtgaaatccg cattgatggc 60

ctcaatgtgg cagacatcgg cctccatgac ctgcgctctc tctgaccatc atcccgcaga 120

ccccatcctg ttctcgggga ccctgcgcac gaacctggac cccttcggga gctactcaga 180

ggaggacatt tgggtgggctt tggagctgtc ccacctgcac acgtttgtga gctcccagcc 240

ggcagcttgg nacttccagt gctcagaggg cggggagaat ctcagcgtgg gccagaggag 300

cttcgtgtgc ctngcccag cctgctccg caagagccgc atcctnggtt ttagacgagg 360

ccacagctgc cattcgacct gggagattga caacctcatn cagggttacc atc 413

<210> 340

<211> 396

<212> DNA

<213> Homo sapiens

<400> 340

tataattatt ttaacatttt tattgaatga tttcaacacc ttggtttatg ggttgttttg	60
attttgtttt tttgagacag ggtctcactc tgtcttgagg ggggaaaaaa accatgcaac	120
aatggaatac atatatttaa ataactgcac ataatacacc ctccattttt gttaccaaga	180
gaaagcttcc atcaggtagc tttaccaata catttccatt cccatgaaat gcaataccac	240
agtactaata ttctattcag aaaaagacta caattccctt gtaactcttt ttctttttcc	300
cttgtaactc tgagttcttt cttttaatcg ttcaggccac ataggtaagg ccattttaga	360
aaaggactgc tttcaagtat ctaaataatac ttccgg	396

<210> 341

<211> 299

<212> DNA

<213> Homo sapiens

<400> 341

tgagttttca tctgattgtg gggaccaagt cctgagtaga gggccaagag ctagggacag	60
ggggaagaga ctggcccagg tggtagggag gaaagaactc ccagagtttc ctttagccag	120
gaaacctgct ctactgacct cgtgacttgg acagtcaagc atcacccctga gagtgacaag	180
tgtaaaatga ctcccttctt cccccgccct ccggaagtat atttagatac ttgaaagcag	240
tccttttcta aaatggcctt acctatgtgg cctgaacgat taaaagaaag aactcagag	299

<210> 342

<211> 430

<212> DNA

<213> Homo sapiens

<400> 342

cctgtgttat cgattttattg cagctccaat atgagtccac tcctactcaa accctgattc	60
tcaggggcct ggggaaggca cccactagg gccctgtccc caccagagcc tggacatggg	120
actctctccc aagcaggggt gttgtccttc acaggggctt ccacgtctct cccgggcctg	180
tccgcactct gggcagggct ggcacctggc tattccctca atctggggcc tgggcactgg	240

caatgtggaa tgggccaggt gttcatgtca gtggggcttg gggacatggc catccacgta 300
gaagttcctg gtgatcttgg gcagggtgaa ttccgctcct tccagctccg gtgtcagcac 360
aatctggcag cccagccgcg agttcctcct ggaggaaggg gggcatgttt agcaagtcgt 420
cttcctcttc 430

<210> 343

<211> 447

<212> DNA

<213> Homo sapiens

<400> 343
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acctggatct cctgcctcct cccgaggaga gggaagacga catgctagac atggcccccc 120
tcctccagga gaactcgcgg ctgggctgcc agattgtgct gacaccggag ctggaaggag 180
cggaattcac cctgcccag atcaccagga acttctacgt ggatggccat gtccccaagc 240
cccactgaca tgaacacctg gaccattcca cattgccatg gccagggcca gattgagga 300
atagccaggt gccagcctg cccagagtgc ggacaggccc gggagagacg tggaagcccc 360
tgtgaaggac aacaccctg cttgggagag agtccatgtc caggctctgg tggggacagg 420
gccctagtg gggcggcctt cccagc 447

<210> 344

<211> 284

<212> DNA

<213> Homo sapiens

<400> 344
tttttttttc atgctttggt tcactttatt ggatacacccg ggtgtgggat ttacaaatag 60
gaccaacaat gtgtgcgggg ccagacggct gcctgtgggt ctgtgtgtaa caggggctgt 120
aaaatgaatg gacctcatgt gcacgtggta cagagagaag caaaccaaga ccaactggat 180
cccaacgtgg gtaacataaa cagttaaatt actaaagtca tcttaagacc aaaatacttc 240
aatgaaaatg gcatattaaa aacatataaa ttacatttaa gctc 284

<210> 345

<211> 319

<212> DNA

<213> Homo sapiens

<400> 345

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tttttttgca gccaaataca gtttatTTTT ttctctctca gctgaggagc agacacattt      60
acggagatgc aaatgaccat ccagtggcct acagtggagg gggggtggag ggagtagggg      120
attagggggg tggtaggagg tgttggggga gggaggagca cagggtctggc tcagggccag      180
gatctgtgaa cggggcaggg ctctgtcaac atttaccag tccatcccca gagagggctg      240
caaaagggga cggcgataga aaagtagatg gaatactttg ggatggggga caacttacat      300
gcaagaaaag gagggaact                                     319

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<210> 346

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(1)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (270)..(270)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (329)..(329)

<223> a, t, g, c

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<400> 346
ntctttattc atacttggtg acatttccca tggggaatgg ttgaaggag gggcaggag 60
ggctgagcgg gaagccacgg cttggttttc ctccatccag tggagaagag actcggtagg 120
gacatgctaa gtagagtga caggggaacc atcactatgt gggctgagat gcaactgtgca 180
gtgacttcag acaacctgag tccttctgtc aggaaatgca atttctaagt ggaaaaaaaa 240
aacaagaccc aaagaaaaaa acaaagtgcn tacaaagcaa actgctaata taagaaaggt 300
tctaagggca gccagcagtt gaaaagccng ggggtctggg agtgggccac ctggg 355

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<210> 347

<211> 485

<212> DNA

<213> Homo sapiens

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<400> 347
ggctgactgt actcctccca ggcgcccctt cccctccaa tcccaccaac cctcagagcc 60
accctaaag agatcctttg atattttcaa cgcagccctg ctttgggctg ccctgggtgt 120
gccacacttc aggtctttct cttttcaca ctttctgtgg ctcacagaac ctttgagacc 180
aatggagact gtctcaagag ggcactggtg gcccagacgc ctggcacagg gcagtgggac 240
agggcattgg caggtggcac ttccagaccc ctgggctttt cactgctggc tgccttagaa 300
cctttcttac attagcagtt tgctttgtat gcactttgtt tttttctttg gggctctgtt 360
ttttttttcc acttagaaat ttgcatttcc tgacagaagg attcaggttg ttctgaagtc 420
aattgcaaca gtgcattttc aagcccacat tagtgatggg ttccctgtt tcaatttta 480
ttttt 485

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<210> 348

<211> 315

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (4)..(4)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (268)..(268)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (284)..(284)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (297)..(297)

<223> a, t, g, c

<400> 348

ttanataaac agctttatatt gccttgtaca gcatcaattt tcttacattc tcagttaatt 60

ggccattaaa gtgctggaaa ttttcttaat catgataaca tttgttaaaa agaaatcaga 120

actaatatca ggaacatggc ggcatgaagg aaacagttcc cttacaaaac acagaaaatg 180

gaagcccctc atgttgaggg ggggtggggtt ggacaatttg caaacagatt ctaatttcct 240

ctcaccgtca gcaccaaact ggctgggncc accaccctg gggngaaagg gaaccancac 300

taagggaccc ctaaa 315

<210> 349

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (283)..(283)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (293)..(293)

<223> a, t, g, c

<400> 349

agcaaacgcc cacagatggc ccagaggtgg tggtagtcag ggtgtgtggg tgtttttagg	60
gttcttttagt gttgttttctt tcaccaggg gtgggtggcc cagccagttt ggtgctgacg	120
gtgagaggaa attagaatct gtttgcaaat tgtccaaccc accccctcaa catgaggggc	180
ttccattttc tgtgttttgt aagggaactg tttccttcat gccgccatgt tcctgatatt	240
agttctgatt tctttttaac aatgttatca tgattaagga aantttocag cantttaatg	300
ggccaattaa ctgaggatgt aagaaaattg gatgctgtac aaggcaatta aagctgttta	360
tttaaccttt aa	372

<210> 350

<211> 237

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (156)..(156)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (163)..(163)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (189)..(189)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (207)..(207)

<223> a, t, g, c

<400> 350

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caaaaattat taaaacgttc acgtcccaa aacggggctg cccgctttcc cttcctgggt 120

gtggcccacc tccttggcgt ccccagggga ggggangctg gangaatgtt taccagagga 180

agtctccanc cctggggaac ctcggtnggg gccctgggag acagggaggg cttttct 237

<210> 351

<211> 370

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (95)..(95)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (335)..(335)

<223> a, t, g, c

<400> 351

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ctccctgcct gctccttggc acccccatgc tgccttcagg gagacaggca gggagggctt      60
ggggctgcac ctctaccct cccaccagaa cgtanccac tgggagagct ggtggtgcag      120
ccttcccctc cctgtataag acactttgcc aaggctctcc cctctcgccc catccctgct      180
tgcccgtccc cacagcttcc tgagggctaa ttctgggaag ggagagttct ttgctgcccc      240
tgtctggaag acgtgggctc tgggtgaggt agggcgaggaa aggatgggag tgttttagtt      300
cttgggggga ggccacccca aaccccagcc ccaantccag gggggcacct atggagatgg      360
gccatggttg                                     370
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<210> 352

<211> 385

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (368)..(368)

<223> a, t, g, c

<400> 352

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tttttttttt agattttaga cactctcctg ccttattcta gggtaagtg ggcccttaac      60
aggaggtcctt gattttttcaa aaacatgatt cggaacatta ctctcttca ttgtcatctg      120
cttgcttcac ccaaagttct tgggtgctct tgctaagcca gaacatgaac catccattgt      180
gtctctcca gccttctctc catagccgtg ggaggcctgt ctggaaacat gtgagtcatt      240
cgtgctgtcc cttagggcag ttcaaactct acggttcgtg ggaacgaggg ccctctgtgg      300
ctgatggggg cctctgctgc ttgggtttcc ttgtggctcc tttgcccggt tgaaggctct      360
ccaacctncc tcttctccg tggaa                                     385
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<210> 353

<211> 488

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (391)..(391)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (476)..(476)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (481)..(481)

<223> a, t, g, c

<400> 353

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atcgagacag caccatgaat gtgtcccaga acctctacga gtcctcctccc aggacttcgc      60
cactgaagaa taagcacttt gggacttgtg ccatcggtgg caactcgggg gtcttgctga      120
acagcggctg tgggcaggag attgacgccc acagcttcgt catcaggtgc aacctggtcc      180
ccagtacagg agtatgcccc ggatgtgggg ctcaagacag acctggtaac catgaacccc      240
tcggtcatcc agcgggcctt tgaggacttg gtcaatgcc a cgtggcgggg agaagcttgc      300
ttgcaacggc ttgcacagct tcaatgggca gcatcctgtg ggatccctgc ctttcatggg      360
cccggggcgg gcaagggagc gtgtttgagt ngggttcaac gagtttattc cttgaaaggc      420
accacgttca aacttgcggc atttgcatca acccctttcg ttggcggtt gtttgnaacg      480
ncttttcg                                     488

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<210> 354

<211> 528

<212> DNA

<213> Homo sapiens

<400> 354

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aggctcgttt atttattcat tgatcaactg gcacttcttg aaagcctgct gtgtgccaaag      60
cctttcccca aaggaggata tcagtgggtg agccaagtct caggggtggaa aggacctgga      120
ccacacagag caggactcca gagcctcctc catatggcag gaatcaagct ttcacagggg      180
aaacgcagga tttccacac atgcccatgc aacacttcaa gtcacgcttg cactggccat      240
ccatctcaca gaaattgggg gggttaagca tcaaacattg gccataagtc actgggcact      300
tccaggett cctccttggt gggtttgggg tgtcaacagg atccaggcat ttgatgccac      360
aagtgtcagg acaacatctc ttcttccttg gacactgcc agtactcttg cactcaggtt      420
tcttgtatct aaggcactgg gcagatttct taggaggaca gactccagct ttgaaggact      480
ttccagagcc ttccacagcc caaggtgcc a gatttcccag ggcaagca                    528
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<210> 355

<211> 440

<212> DNA

<213> Homo sapiens

<400> 355

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ttcagtttta aatatttatt taaaatccag aggggaaaag gagaaacgga acccattggg      60
gttttaatac actgacatgt ggacagagac gtaaacgaag acagcaggaa aaccaagaa      120
tgagacagag gccagtggat tctggcagca ggagggatcc gagcgtgag atgaggcccg      180
agctgctaca aacacgcact tccacgcaga gcgtccaggc tggggcggca gggcgaggat      240
acagaagtgt tgggaggggg gacgggcaa agtgaggtat taaataataa aaatcaaadc      300
caattcccaa agagacacaa ctttaggaga gaatacacia atagagactt tcacatacat      360
tttccccttc tatagagata gttccatggt taaaataact caaatccaa ttcaagcgcc      420
gacttgttcg ctgatgtagc                                     440
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<210> 356

<211> 415

<212> DNA

<213> Homo sapiens

<400> 356

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gaaggcagag aggaagggtt aatgagccct gtccaggcgc cttcagtggg gagcctcctt      60
cttcttgccc ttctccttct tgcccttctc cttcttcttc actttgggct tcttggcctt      120
gcccgggatg ctctcgtgct gcttggagcc agcagcgtgg gacttcacat ccgtgtccga      180
atcgctggag ctgctgctgg agtcggaaga gctgtggtgt ccttgctgga tggaggtgcg      240
gcagtgaggg ggcgtccctt acccagcccc ctgaagttgg aggcctttgg acccggacct      300
gccctgcct ccgaccggcc ctgaactttg tggggactga gcttgggatc tccccgtggc      360
acgccccaca ccgggcttct gggaggtggg ctcagggtcg ctccaggteg aactc          415

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<210> 357

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (22)..(22)

<223> a, t, g, c

<220>

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<222> (335)..(335)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (365)..(365)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (377)..(377)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (383)..(383)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (391)..(391)

<223> a, t, g, c

<400> 357

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gaagcaaggg acaaaggtaa gtgccacgct ccctggccac tgggttctctg gcaagctccc	120
agccactagg tgccaatctc cttcaatgt actccttctt ccccagagtg cagaagcgta	180
tgaagacagt tatgacatgg acacatgcat gagctattat acataattac aaaagctgat	240
tctgtcatca ccacatcttg tctcatcagt aggagcgaat ggctggcggg acggtggcac	300
agtcagcctt gttcaaagtt ttgtcgatca cgggncctat attccagagt gacctttccc	360
agtgnccaac gttccanata ggncagggtc ntgc	394

<210> 358

<211> 293

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (55)..(55)

<223> a, t, g, c

<220>

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<222> (80)..(80)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (109)..(109)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (122)..(122)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (169)..(169)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (183)..(183)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (186)..(186)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (201)..(201)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (210)..(210)

<223> a, t, g, c

<220>

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<222> (219)..(219)

<223> a, t, g, c

<220>

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<222> (222)..(222)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (230)..(230)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (239)..(239)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (247)..(247)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (262)..(262)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (265)..(265)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (269)..(269)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (272)..(272)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (274)..(274)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (275)..(275)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (277)..(277)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (282)..(282)

<223> a, t, g, c

<400> 358

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cattttcaca aattaatccn aaattttacg tatgaataaa aaggagtana acaatacata 120

gnaaatgaaa ttggagaact gatttaatac taaagttctg aataaaggng tgcactttat 180

gantgnttct atctttttgc ncaagttggn tactccagnt tnccatcccn acatgttgnt 240

cgccgangtg tgagaacgtg gntgnaagnc gntnntnccc gnttgaacgc aaa 293

<210> 359

<211> 500

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(1)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (299)..(299)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (381)..(381)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (390)..(390)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (446)..(446)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (480)..(480)

<223> a, t, g, c

<400> 359

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nttcagttga gtaccaatgc cagaacttgt atcaacttga gggtaacaag cgaataacat      60
gtagaaatgg acaatggtca gaaccaccaa aatgcttaca tccgtgtgta atatcccag      120
aaattatgga aaattataac atagcattaa ggtggacagc caaacagaag ctttattcga      180
gaacaggtga atcagttgaa tttgtgtgta aacggggata tcgtctttca tcacgttctc      240
acaccattgc gaacaacatg ttgggatggg aaactggagt atccaacttg tgcaaaaang      300
atagaatcaa tcataaagtg cacaccttta ttcagaactt taagtattaa atcagttctc      360
aatttcattt tttaatgtaa ntgttttacn ccctttttat tccatacgta aaattttgga      420
ttaatttttg gaaaaatgta attatnagct gagaccggtg ggtcctcttc ttaaaaggcn      480
ccatattaaa atcccgggaa                                          500

```

<210> 360

<211> 284

<212> DNA

<213> Homo sapiens

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<400> 360
gcggccgcct gcgcgcacag cccagtggt cggatcctgg gcggcagaga ggccgaggcg      60
cacgcgcggc cttacagtgg cgtcggtgca gctgaacggc gcgcacctgt gcgcggcgtc      120
actggtggcg gacgagtggg tgctgagcgc ggcgcactgc ctggaggacg cggccgacgg      180
gaaggtgcag gttctcctgg gcgcgcactc cctgtcgcag ccggagccct ccaagcgcct      240
gtacgacgtg ctccgcgcag tgccccaccc ggacagccag cccg                                          284

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<210> 361

<211> 410

<212> DNA

<213> Homo sapiens

```

<400> 361
cagctaattt tttatttatt tgtagagatg gagtcgcgct acgtggccca tgctgatctc      60
gaactcctga gatccaatga tcctcccacc tcagcctccc cttctgcata tagtaggtgc      120
tcaataaaga ccaaccagat gcaggagtgg atgacttcat tgctcgggac tttgttgctt      180
gggtgaccct gaccttcagg ccccggcacc ctaggccagg acgctgtcga tccaggccgc      240
atagctcgcc acgcgggtgt agatcccggg cttcttgccg ttgccgaaac gcgcgaccgc      300

```

agggtgaccac gccctcgagc acgccccgc acaccagcgg tcccccgag tcacccttgc 360
 agctgtcccg gcgattgctc tccgcgcaca tcaagcgtc ggtgatggcg 410

<210> 362

<211> 393

<212> DNA

<213> Homo sapiens

<400> 362

aatTTTTCCC aacattttat tattaAAAA agttcaagaa aacagaaaag ttcaaagaat 60
 tgtacagttt acattcatct gcccaaaatc tagaccgtat aattaatttt ttattgtatt 120
 tgctttatca catcacgtat caatcattct tatttattga tggatttcag agtaagttgc 180
 aaaaatgcat acatttcacc cctaaacatt tcagcatgca taccctcaac ttagagtcta 240
 atatttgttt atagctcctt ttttgaggta aaatgtacat acaatgaaat gtatataact 300
 taagtgtcca atttgatgag tttggcaaat gcatacactt gtgtaacca aattcctatt 360
 gtaatataga acatgaccat taccttagaa act 393

<210> 363

<211> 296

<212> DNA

<213> Homo sapiens

<400> 363

aaacccaaat aaataatttt attaaagaag ggtggattaa gtaaaacagt cagtaggaat 60
 aaatgaacaa accagaccaa aaaaaccccc agaactcaat tatatttggt tataagaggg 120
 ccctgagata caaagacact caaaatataa aaacacagga agagaaaagc aaacagatga 180
 aaataatgta ctctataaac actaaccgaa agaaaactaa taacatgaat aaccaattaa 240
 ccaaccaacc taactgatac atatacctaa taaatataga atacgcagag acaatt 296

<210> 364

<211> 464

<212> DNA

<213> Homo sapiens

<400> 364
 attcggaacg aggagagaga ctcatatatt atgtaaataa tggaaacaaac aaacagattt 60
 tttaaaaatc ataattaaga tggtgaaatg tagaaaagat gaacaaagtg taagaaaaaa 120
 tagtaccac agaaatatct atataaaaaa tttaatggac atcttatacc taaagaatac 180
 agtattggga ataactcatt gcatgggttt gagggcagac aagagccaac agaaaggagt 240
 aataaacttg atgaaaaaat ggaaaatatc cagaataaag tacagtgaga aaatacaaaa 300
 aaaatttaga gcattagaga taagagatag agcctgtaat ccaggctgaa gtgcagtggg 360
 gtgatatagc tcaactgcaac ctcgacctgg gctcaagcga tcctcttgag tagctagggc 420
 tacaggcaca caccatgctc aactaatttg tttttgtaga gatg 464

<210> 365

<211> 475

<212> DNA

<213> Homo sapiens

<400> 365
 gccaggcagg accacagggtt tattggggac tccacgcaca gacgcttatg gcatcacacg 60
 acaacggcac gggtactcgg gacacacacg gtggcctctg cccacagcca gggcccagag 120
 gcagtggggg gcagtctcct cccttggtggc ccagaccag ctgggtccct tcctcctagg 180
 cagctgaggg aaggactgct gggttggtcca cgggcctggg aaggggaagc gagcaggcga 240
 gtccaggagg ggccggggcg ggtgtggggc tcgcctgcc tcactccagg gactgtagca 300
 tcagcagctg ttccagcacc ttcgtctggc tggctctctg gatttcgcca gccaggaaca 360
 tctcgtccac gaccgtgtaa acctttaga agttgaacac caagtccagt tcacagacat 420
 tgtggaaata ttcgcttaag acctccacga aattttgaaa tggctccacg taacc 475

<210> 366

<211> 435

<212> DNA

<213> Homo sapiens

<400> 366

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gtccttggtc atgtcaggag ggacaggacg ttgtatcaat atgtctgggt cctcattaaa      60
tttgcaacta ctcttttagc ctttattggt ttttttctga ctctgttttt ttttttcttt    120
agccaactca cgccatgact ctacttttgc ttctatgttt attagtgggc attctgtact    180
aagacagctt tacccttctt gcctacttat ttatgtcagt atgagctcag aagttcttat    240
tcaggggctt ataatacagt actcttatta ttttatgggt acacagtccc aactttgtcc    300
tgtgggaacc ctttcaggct ggctcttatg ttctggtgac ataatctcat ccttctttaa    360
gtactttctt tctgggtatta acaatatgct ccagactcat tcttcccgag cccagcccc    420
agaatcagct ttttc                                                    435

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<210> 367

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (156)..(156)

<223> a, t, g, c

<400> 367

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ggcgtagaga aaatatagag ccactttact attaaaaatg ttttttccaa aagcaaggta      60
gttgctgtcc caaaaagccg aaagcctcta gtccctgcgg aacgggctgg atggggcttc    120
agtctgacac agccaggcgg ggcagccctc ggcggnctc ggattctctg ggagatttga    180
tagagctcca tcgttgccct cgcactcttc accgagctgt gtccaagcag gctgttctgg    240
atgctcttgt gcaggaggcg ctactcagc acccgagga gacacgcctg cagtgggtcca    300
gcttggcctc acgccacaac a                                                    321

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<210> 368

<211> 337

<212> DNA

<213> Homo sapiens

<400> 368
 ggctacacaa tctacgacac gtccactgac aggctgttgt ggcgtgaggc caagctggac 60
 cactgcaggc gtgtctccct gcgggtgctg agtgagcgcc tcctgcacaa gagcatccag 120
 aacagcctgc ttggacacag ctcggtggaa gatgcgaggg caacgatgga gctctatcaa 180
 atctcccaga gaatccgagc ccgccgaggg tgccccgcct ggctgtgtca gactgaagcc 240
 ccatccagcc cgttccgcag ggactagagg ctttcggctt tttgggacag caactacctt 300
 gcttttggaa aatacatttt taatagtaaa gtggctc 337

<210> 369

<211> 410

<212> DNA

<213> Homo sapiens

<400> 369
 ttttttagga taaacttgcc aggcctttaga tctatttggt cctttccatc ccccaaatc 60
 aaatggctgc tccaggaaaa tgttcccctt gtggcagggt ccgggagaaa agagagaagc 120
 gacaaaacca aaaattaaaa cgaccgaagt cccatatgct ccaggaatat gtcctggaga 180
 tgggagtgga gggcaggggg agaatgttgt tgaggtcaaa atttttgaag ttttaagtcc 240
 tatactctga catcccgagt ataaatgcgg gtaccagaca cagtacaaac gttctcaaag 300
 cccagttacg tattccaaac caaacgcggg ctcttgaagg gtgatgaggt agggatgaaa 360
 tccaggatcg cctgaagacc atttcttcct ctcttaggga cctgctggtc 410

<210> 370

<211> 434

<212> DNA

<213> Homo sapiens

<400> 370
 attcggcacc ggggaggttt ttcctcctgg accgaatcag ctggagacca caggtcctaa 60
 gagaggaaga aatggtcttc aggcgatcct ggatttcac cctacctcat cacccttcaa 120
 gagcccgct ttggtttgga atacgtaact gggctttgag aacgtttgta ctgtgtctgg 180
 taccgcgatt tatactcggg atgtcaagat ataggactta aaacttcaaa aattttgacc 240
 tcaacaacat tctccccctg ccctccactc ccatctccag gacatattcc tggagcatat 300

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gggacttcgg tcgttttaaat ttttggtttt gtcgcttctc tcttttctcc cggaccctgc 360
cacaagggga acattttcct ggagcagcca tttgattttg ggggatggaa aggaacaaat 420
agatctaaag cctg 434

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<210> 371

<211> 519

<212> DNA

<213> Homo sapiens

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<400> 371
ttttaaatgt aaattgttta ttttagaggc cattagttgc ttttctgtga agcaacaaga 60
aatcttactg accaggctaa ttttttaatg ttatgctaata gttgtatccc ttccatatcc 120
tgtgtttcat ggaatatcaa gatgccaaac aaccagataa aactgacaac ataaaccaca 180
acatcagagc tagcaagaga tgggagaata aaatggcttg aattactagg atgtagaact 240
aaatgcttgg aatgaagcta gtcttcctat ctttaatttt ataaaatccc ctgaacacta 300
agaatggatt tataacttaa gacaatgccc tggatggaaa atggataagg atgatttcat 360
accccgagtg cctggtgggc aagagcactt gaaatggttc acaaggtcaa tacaggtgcc 420
tccattctgg cagggctgat tctggcactc atccacttca tactcacagt tgacaccctg 480
atagcctggg acacactcgc atctgtaatc accaatgaa 519

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<210> 372

<211> 205

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (64)..(64)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (171)..(171)

<223> a, t, g, c

<400> 372

tttttttttt tcacttttcg ttatttttat tgtttgacaa gcattttacaa cgttccattc 60

atanacctaa aaacataaaa atagaccttc tttcagctta taaaagaaat atataagaac 120

ttttgacata gacacgtcat gaccttatgt acaagagaca atggcacccct ntccaagcac 180

cagacttccg agtgttttca gatgg 205

<210> 373

<211> 488

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (412)..(412)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (417)..(417)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (449)..(449)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (459)..(459)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (466)..(466)

<223> a, t, g, c

<400> 373

aatgaaatgt gtcagcttcc ggtgttctga ctgtaccctt ccctcttcca tgtctgagaa	60
tctccgtgta ttttaagaat gtgtgaggag aggggtggcga ttcatgtttc aatgagcctc	120
tttttttttt ttcttctctg ttttggctta tggctggctt tactctgtgt ccatgttcgg	180
aagctctagt tttgcataga attatagaga tgccaaactc tttgaaaaga gatccaaatt	240
tatcgcttga gagaaagaaa agaaacacta ttttttgtat tttacctgag atacaggggc	300
acaaatagga tgaggaatth tacagtgtta gtgtatgtat ccctgagcct aaaaaatgag	360
ggatataacc ttttacagag gaggagttag ggcgtgggtg ggtttttata tnttatnata	420
tggaaagggc ccagccaagc ttcatgcnna agggatatna ctttttcttc ccaaaaagcg	480
gggttttt	488

<210> 374

<211> 320

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (28)..(28)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (31)..(31)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (188)..(188)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (212)..(212)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (223)..(223)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (237)..(237)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (248)..(248)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (274)..(274)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (304)..(304)

<223> a, t, g, c

<400> 374

ccgttacaaa tagcaccgag cccttggtg ncccctgtgg agagggatcc ccctcctgga	60
ccccacetc ctcccttgag ctacccatgt agtgtctggg agctggcaca cggcccaggg	120
tccctctgga agctggggcca ggccaagggg ttagggcccag gcccttcgtg gggtagggccc	180
agggcagnct gtggcagatg tgcaggtagg tnagcggcag ctntcagatg agcacantgg	240
ccacgggnac gcgggtggag cggccccttg ggancccaca atccggtcgt ttgtgggacc	300
ctgnttcgtg cagcaggccc	320

<210> 375

<211> 377

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (41)..(41)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (259)..(259)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (263)..(263)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (296)..(296)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (374)..(374)

<223> a, t, g, c

<400> 375

ggagagaccc tcctgtccat gaactgggcc atcgtggcga ncattctgct gtacgtggtg	60
atccctaccc gacgctccac cgccgaggcc ttccagatcg tgctgtccca cctgctgggt	120
gatgctggga gcccctacct cattggcctg atctctgacc gcctgcgccg gaactggccc	180
ccctccttct tgtecgagtt ccgggctctg cagttctcgc tcatgctctg cgcgtttgtt	240
ggggcactgg gcggcgcant ttntctggga ccgcattctt cattgaggcc gaccgncggc	300
ggcacagctg gcacgtgcag ggctgtctgc agtaagcagg gttccacaga cgtaccggat	360
tgtggtgccc cagnggg	377

<210> 376

<211> 306

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (200)..(200)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (261)..(261)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (269)..(269)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (287)..(287)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (289)..(289)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (292)..(292)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (295)..(295)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (302)..(302)

<223> a, t, g, c

<400> 376

gctgccaaaa gcctttaata tgccctggtc ccaggctgtg ttcattgaaag cggacacagc	60
agtgtcttcca gcttcatggt tcccagggtc aggttcctcc cagcggagggt gggagggcag	120
ccctcacacc tggcaccctt gattgcatac tcctggagga agtcgttgag ctgggcacag	180
gctgcccgtt ggcgggttgcn tccggcacag gcgttcagag ggcattctct cgatccagct	240
attcgagtcc agcaagtact nggggggggnc cctcccaggg gcataantng gnccttccag	300
anccat	306

<210> 377

<211> 449

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)..(2)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (297)..(297)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (432)..(432)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (446)..(446)

<223> a, t, g, c

<400> 377

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ggactatgag tacgatgagc ttccagccaa ggatgaccca gatgcccctc tgcagcccgt	120
gacaccccctg cagctgtttg agggtcggag gaaccgccgc agagggaggc gcccaaggtg	180
gtggaggagc aggagtccag ggtgcactac accgtgtgca tctggcggaa cggcaaggtg	240
gggctgtctg gcatggcatc gcggacgtca ccctcctgag tggattccac gccctgntgc	300
ttgaccttgg agaagctgac ctccctctct gaccgttacg tgagtcactt ttgagacccg	360
aaggggcccc aacgttcttg cttgtaattt tgaacttcgg tccccaactt ccccggaag	420
ttgccttggg cnttttaagg cttgtncaa	449

<210> 378

<211> 420

<212> DNA

<213> Homo sapiens

<400> 378

acaaaaataa atttttatta aatcagtaga gtctgagcag gaagacagta caaagaatgt	60
aaacaatgta aacatcacta cattcagctc agcctgattg aatgctgaaa gacaactcta	120
aatgctctac gtgcccttac tagcaagata cattaattct attttacaca gacaacaaac	180
acactcta atttgattagg caaaagtatt ttatcgaagt cgatcccagc gccaaatact	240
ggcatcatca caaacagcta taagaatgct gctatccctg ctaaaactgg tttgtcgaat	300
agcagcacca catttatgat gagtcagtgt tgtacatttg gctttatgag gatcttctac	360

ttctaaatcc caaacataaa gtttgccaac ttggatgccc aatgcaagca tcttttgcca 420

<210> 379

<211> 430

<212> DNA

<213> Homo sapiens

<400> 379

actattcttg ggcgatttga ttacagccag tgtgacattt ggtacatgag cgttttctat 60

ggattttctgg caaaagatgc ttgcattggg caatcaagtt ggcaaacttt atgtttggga 120

tttagaagta gaagatcctc ataaagccaa atgtacaaca ctgactcatc ataaatgtgg 180

tgctgctatt cgacaaacca gtttttagcag ggatagcagc attcttatag ctgtttgtga 240

tgatgccagt atttggcgct gggatcgact tcgataaaat acttttgcct aatcaaaatt 300

agagtgtgtt tgttgtctgt gtaaaataga attaatgtat cttgctagta agggcacgta 360

gagcatttag agttgtcttt cagcattcaa tcaggctgag ctgaatgtag tgatgtttac 420

attgtttaca 430

<210> 380

<211> 371

<212> DNA

<213> Homo sapiens

<400> 380

gccaaactg acactttgct gccaaaagcc tttaatatgc cctgggccca ggctgtgttc 60

atgaaagcgg acacagcagt gttccagct tcatggttcc cagggttcagg ttcctcccag 120

cggaggtgga agggcagccc tcacacctgg caccctgag tgccatactc ctggaggaag 180

tcgttgagct gggcacaggc tgcccgtgg cgttgcttcc ggcacaggcc tttcaaaggg 240

catctcctcg atccagttat tggattccag cagttactgg ggttttccct cgagtccaaa 300

agtgggcccc atccggcccc atgttaaaat ttctttccca ggtttcaaag caaagggcac 360

aggggtctcg a 371

<210> 381

<211> 474

<212> DNA

<213> Homo sapiens

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<400> 381
gcagatgttc tgtgttttac ggggcaccaa gtaagagcag actcttggcc accttgtgtt      60
ctgctgaagt ctgccagtgt gctgagggga agtgcctctg ccagcgtcgc gcccgaggag      120
cggggtctgc aggacgagga tggctacagg atgaagtttg cctgctacta cccccgtgtg      180
gagtacggct tccagggttaa ggttctccga gaagacagca gactgctttc cgctcttttg      240
agaccaagat cacccaagtc ctgcacttca ccaaggatgt caaggccgct gctaatacaga      300
tgcgcaactt cctggttcga gcctcctgcc gccttcgctt ggaacctggg aaagaatatt      360
tgatcatggg tctggatggg gccacctatg acctcgaggg acacccaggt acctgctgga      420
ctcgaatagc tggatcgagg agatgcctct gaacgcctgt gccggagcac ccgc          474

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<210> 382

<211> 329

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (311)..(311)

<223> a, t, g, c

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<400> 382
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ctttctcccc tcctccccca ggcagacccc aaaagtgctc gggaaaggca ggccccctgg      120
aggggtgcgg tggggctgaa gcaggggctg ctatggctac cagaggtgag ctggtgatgt      180
gagctgagtt gtcacatgac actctccacc acgacgacct tgctgctctc ggacactggg      240
gtcaggggtg tcaggcccct gacatctgcg tcctgagctc ggtactccaa gtggtggagg      300
ccccagatgg ngctgggtca ggtgctgcc                                329

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<210> 383

<211> 248

<212> DNA

<213> Homo sapiens

<400> 383

tgagatgtgg atgttgcttt tgcacctacg ggggcatctg agtccagctc cccccaagat	60
gagctgcagc cccccagaga gagctctgca cgtcaccaag taaccaggcc ccagcctcca	120
ggcccccaac tccgcccagc ctctccccgc tctggatcct gcaactctaac actcgactct	180
gctgctcatg ggaagaacag aattgctcct gcatgcaact aattcaataa aactgtcttg	240
tgagctga	248

<210> 384

<211> 385

<212> DNA

<213> Homo sapiens

<400> 384

tttgactatt aaacatggct ttatttaagt ttgggcaaaa agattttctga gttaatctgg	60
gagatagaga aaataagaat ctgtaggatt ttgggtttttg ttttatatat acaactcttc	120
tctgctgaat gtaatataga tggaaaaatt gtgatgctgc tatcaagctg ttgaaaacag	180
tctgctcacc cagatgggca ctcat ttgaa agacaggcac accctgtcat ttcccagtag	240
ccagccctgc agttcttaca cctggcttta tgcaagcaca gaagggtgagg cataagccaa	300
ttaataactt gtgtgattcc aggccgtctc taccctcatg gccaaattct ggactgaaga	360
ttgcaaacc acaggagact ctgct	385

<210> 385

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (356)..(356)

<223> a, t, g, c

<400> 385
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ctactacggc ttttgcattg agcagcaaag aaaaaacaac tcgagcttgc aaataggaag 120
gactcaatca gtatttgtga atgagtgaat taatggataa atataaagag aaggaggatga 180
acagatctgt gggattcttg ggcattggaa tcaacaggac atgatgattg cttggataac 240
agctgctggg agttcagaag tgtattcctt tcctaattgg gcatttgaag gattcaaccc 300
ataatgacat catcctaaac atcctcatag agatagcagt ctatgagcca gtggtnttga 360
acagttttct tccaatgctg aaagagattg gtgagagatt cccctacctc actggacaga 420
tggcaaggat ttatggagct gttgggcatg tggatgaaca aactc 465

<210> 386

<211> 472

<212> DNA

<213> Homo sapiens

<400> 386
ttaagaactg aagggtttacc atcttgatgt aggccttgcc gtcctgaaga gcactcgggc 60
tcatgtgttt cattcactca catgttaaata atgaagccct atgtacaaca tagcctgtgg 120
gaactgtggc aggggtagct gtctccatcc tccagaacct tgtcacaatc aagaatagga 180
aatgagacgc acaaatcact accacctgtc gaagtggcct tgcagtgtga aatctaagtg 240
ctgaggcaat ttgctgcag tccttgccac ttcttggtga ttagtccagc agccccagc 300
tgaggaggcaa ttctgttcac cctcactccc acctcaggac atctggcaat gtctggaaac 360
agttggttgt caccacttgg ggaaagggga gtgtgctttt ggcaggtaga ggctggggag 420
gctgctccac atcctacagt gcacagaaca gtctcccaa ccaagaataa tc 472

<210> 387

<211> 422

<212> DNA

<213> Homo sapiens

<400> 387
tagccaaagc ggacaaatct gtcccctccc ctttggtgta accacacatt caaggcttcc 60
ttcagtcag ccccatctcc cttttcggtg cctccctttc actactccaa atgagcttgc 120
catactttta acgggtcttg cactttctta tcccttctct ggaatgtcat ttctactgaa 180
gaaaatccta ctcttccttc aagacccttc tttaatcccc tcttgccatg gaaacttgag 240
atthtcattg aggagctaag ttggaaaata taaactagag ctgagtctct accctggcac 300
tattgacatt tggggccaga ttattcttgg ttggggagac tgttctgtgc actgtaggat 360
gtggagcagc ctcccaggcc tctacctgcc aaaagcacac tcccctttcc ccaagtggcg 420
ac 422

<210> 388

<211> 418

<212> DNA

<213> Homo sapiens

<400> 388
aggtgaaagt ttgctattta tttagtctta gaaaaacact gaaagaaaaa ggcaggaaat 60
gtagtacga tgtggaagaa tggagctggc cacatgtagt tttagcagct gcagaggaaa 120
ctggctgagt ctaaggttac atatttctgc tcagtaaggg tatccatggg gataactctc 180
atgatgacgg tacatccctg gtaaccatcc tgggtatcctt ggtggtaact atggtaacca 240
tagcctgcat actcatcttc tgggcagcca tccccagtga ctgctgaatc gccatttcct 300
gtctccgaag ttgcatcgaa tcaattaaat cgtacacaat caccatggac cacattgggg 360
aaggatacca ggatttgaca tttccgtctt ttccgactag aagcatggag aagtactc 418

<210> 389

<211> 295

<212> DNA

<213> Homo sapiens

<400> 389
gcagctctct gcactcagtg gtcaggcgtg caatthtggt ctgcgccaca taaccattct 60
gaagctthta ggcgttggag aggaagttgg gggagtgtta gaactgttcc caattaatgg 120

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gagctctgtt gttgagcgag aagacgtacc agcccatttg gtgaaagaca ttcgtaacta 180
ttttcaagtg agccccgagt acttctccat gcttctagtc ggaaaagacg gaaatgtcaa 240
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<210> 390

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<223> a, t, g, c

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<223> a, t, g, c

<400> 390

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ggaccagctg aaggacagct acaggaaaat gaccgagttg caatgggttaa cggagtttca 180
atggataatg ttgaacatgc ttttgctgtt cagcaactaa ggaaaagtgg gaaaaatgca 240
aaaattacaa ttagaaggaa gaagaaagtt caaataccag taagtcgtcc tgatcctgaa 300
ccagtatctg ataatgaaga agatagttat gatgagggaa atacatgatc cnagaagtgg 360
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ggaagttgca agtaggagag agg

443

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<223> a, t, g, c

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gtgtgacttt agnagggtta gganggntgg nnggagncac tganccgcct gtttnaccgn	180
ggggnnangn tcctntctct actngnactt ctatccctcg gccaaatctt ctnactcctt	240
ctgttaacca caccactccg gccacttctt gggatcatgt atttcctcat cataactatc	300
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<210> 392

<211> 512

<212> DNA

<213> Homo sapiens

<400> 392

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aggatgtaag gccttagcca tgatctgcag gggctctggga gtcaggcccg gcctattgct	180
tgggtctctc tctatttata tatctaagtt cacagtgttt cttattcccc cctaagcttc	240
tagaggetca tggccctgta gttaggcctg gctcattctg cacctttcca gggaggtgga	300
aggaccctgt gccctccttc ccaatcttct ttttcaggct cgccaaggcc taggacctat	360
gttgtaattt tactttttat ttctaaagtt gtagtgaagc tctcaccat aataaagggt	420

gtgaatgttc tgtgagtgtc atggagatgg gctagggagg ggattttaca cttcactttc 480
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<211> 425

<212> DNA

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atgtccaccc tctgcggat gatcccaacc atggcagagg acaaagagag agtcagcact 180
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aaaagtgcag cttacctgga cccagggcca gcaaaggaag aatggaacat ggaccctctt 300
cccccaaacc aggggtctgg aaagtgaagt gtaaaatccc ctccctagcc catctccatg 360
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aaaag 425

<210> 394

<211> 291

<212> DNA

<213> Homo sapiens

<400> 394

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aggtaagtaa ggaggtggtg gttctttttc aggcattttc acggccattt cataggttgg 180
caaaacgtac tgaggaggtg cttcaaaggc agggtagaca gcaatctccg gcacgtttcg 240
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<210> 395

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<400> 395

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gtttcaagcg gaaccgagtg accggttcta cagcaccggt tgtgcggctg ttgccatgtc      180
cgcaccggga cgatcatcct ggggacctgg tacatggtag taaacctatt gatggcaatt      240
ttgctgactg tggaagtgac tcatccaaac tccatgccag ctgtcaacat tcagtatgaa      300
gtcatcggtg attactattc gtctgagaga atggctgata atgcctgtgt tctttttgcc      360
gtctctgttc ttatgtttat aatcagttca atgctggttt atggagcaat ttcttatcaa      420
gtgggttggtg tgattccatt cttctgttac cgactttttg acttcgtcct cagttgcctg      480
gttgctatta gttctctcac ctatttgcca agaatcaaag aatatctgga tcaactacct      540
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<210> 396

<211> 328

<212> DNA

<213> Homo sapiens

<400> 396

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tgagttggac agcccaaagt aaccagccct attccactga gttagtttac cccacagcag      120
tagaaccag tgctgggttg gttcctggcc catgggtgga cagcgtgaag gtgatggagg      180
gctctagcac aaggaggtgc tgagtgccac cggaggtcat atctgcagac agcctcattg      240
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<210> 397

<211> 457

<212> DNA

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<223> a, t, g, c

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<222> (393)..(393)

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<222> (427)..(427)

<223> a, t, g, c

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<223> a, t, g, c

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aatacaaaat gtacaagaac acacaattcc aagtgtgtga aacataactg agaaccagtt 180

cctttactaa acatccattt tataaaacac aaggtttcaa tttgagccca tctgngcctt 240

aaagntccat tctgaatacc aaaaacaggg cttcacagcc aggnccagaa gaggtctggn 300

gataatggct ggccctgggt ggggatagtt tacanccggg naggcagcacc acacatggna 360
 cccaaangac atgttctttt taaagctggt ttnagccatg ttttctctgt ggcattctcca 420
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<210> 398

<211> 394

<212> DNA

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<223> a, t, g, c

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 acgcccacag ctctcttttg aggggcaaga agttggcctc tcggttgaca ttccagagaa 180
 atggccagac ttgcccctac ccttttgccc ctgggtgtagc tgcctcacat gaggttattg 240
 caagagttcc ccttgcaata ccctttgtgc cctcaagaat taaaagcctc tatgatccag 300
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 agtcactatg tacagataaa ggggcctgct tggatcacct ttttcaaagc catctggcag 180
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ggcatcaggt cctctggaac acaggggctc caacggggtg tcttgatcct gctgtccccc 300
accctgagtg ccttgcagag gctgaggaaa ctggagtagc aggaagagct gagtgggtgcc 360
agcttcctat aagcaaccct gtctctgcta cccctgagag ggagacatgg taatactgag 420
gggctggaca gaggtcttct tgagctcaag cgccagggaac agagacctag agcccaattt 480
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<222> (263)..(263)

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<222> (359)..(359)

<223> a, t, g, c

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<222> (412)..(412)

<223> a, t, g, c

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<222> (424)..(424)

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<223> a, t, g, c

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<222> (460)..(460)

<223> a, t, g, c

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ctgggtgggc ttgggggagg gcgtcactat tcagcttcta ggtggaggca tgagaaggcc 120

ttggctaggc cctccagggt cccatactgt ggagtttgga ggggcaggtc tggcctttcc 180

tgggtcagca tagggcaccc aggtgggggn acaggtggac acccagcaca ggcacctagg 240

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caggggcaca agctcantat ccnttagcca gcctaattgt ntttggagaa atattccttg 300
ctgtcatcca cggtgggttt aatcgtgtca ctgccaggtt tccagccagc gggacaaant 360
ttccccatgt tcgttttgtgt attggaagc cctgggacca gccgcagagt tnatcccacg 420
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<210> 401

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agatcatcgc gttcagcaac cgtgcagagg acttccgcaa gctgggctgt gaagtgctgg 180
gcgtctcggg tggactctca gttcacccac ctggcttga tcaacacccc ccggaaagag 240
ggaggcttgg gccccctgaa catccccctg cttgctgacg tgaccagacg cttgtctgag 300
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acgcatccct atntgnagnt gggcgaaggc gcactggagc aggttaagtc ccaggcggca      180
atggtgagcc aagcgtggga acagcccaa ctaaagtcgg ggtctctgtg cggcggccgg      240
gccacttcgg cacttcagtg tttaaacttc tgcattgcagt gtaaagacag acagctggcc      300
acagtgtgtc cctgcagtaa agaccagcca ccgtgaccgg ctctcccttg cctccctcct      360
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<223> a, t, g, c

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<223> a, t, g, c

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<223> a, t, g, c

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actgtggcca gctgtctgtc ttacacang cctgntaagt ttaaactctg gcttgccgan      180
ntngccgtgc cgccgcacag agaccccgac tttagtttng gctgttccac gcttggtca      240
ccattgccgc ctgggactta acctgctcag gcgggccttc gccagcntgc aaatagggat      300
gcgttagatg actgttccca aagcttggtg ggctccttaa atggcattgt acaatttaag      360
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<210> 404

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<212> DNA

<213> Homo sapiens

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<400> 404
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aacggcggct ctgctgctgc gtgggccaag cgggtggtct ggggctgtga cggcctctca      180
gtgtgtgatg aagtttcagc gccctccaca gtggcagtgc atgcttgga tcccgttcc      240
ggttgtgttg ttcattctgg ctagctgagt ttcagttagt tcatgatctg tttaaaccag      300
agtgagtacc tggagacctt ggtgacaagg accatgtgag cctgccctcc tactggctgc      360
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<223> a, t, g, c

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gaggccaagg catccatcct catagccagg cggggctgtc attgccagta caaagccagc	180
tgcagtcgcc acttcattctc agaggatgcg caggagcgca ggacaaggag gtcttccagc	240
agaacatgaa gcggcggctg gagtccttta agtccaccaa gcacaacatc tgcttcacca	300
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ggtggagaca gacagcaagg caaaggggtg aggatggggc tgtgtgacta aaaaaaac	180
cccaatcatt tcaccntta ataaggggtg ctctgttgt gctttnacct tggaggcggg	240
gtgggctggg gtggtcagac atntgggcct gggcatgagg anttttggct tttctccaa	300
gtctttnagg tctcagggtt ggtgcagccc ctccctccc tgacccttct cctggggctg	360
ggganaaagg ccttgggtna gctggctact ctaggggcag gaagaatgca tgggagacct	420
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gctgtatagc agcttatgga agtctcagct gggctatcct gcccttggga gcacagacag 180

gctcctaggg tgctgagtga agcctgaaga ccaagccccc tcctcctgga atgctccttc 240

caccctacc tctcagagat gggcctgaca cctctttctc attcattctc cttttccctg 300

tgctctggga aagcccctgg ctcaggctgt tcagagtnag gatggacctc aaaagtttga 360

tcccctcgtg cagatgaaga agctgaagcc cagagtgcgg aaggggagtt ggcccaaggt 420

tcacacagct aagttttgag ttagagccag tctttgggag agccaataat taanagcct 480

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<223> a, t, g, c

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<223> a, t, g, c

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cttgggtaca ggacaaaaag ctgttccaga acctngggag ccaggctaata taatacggcc	180
tctccctgcg atcctatctg tgctaccccc tggaatccat cttgccaggg ccaaagccac	240
ctctntcccc accaccceng cccctcgga agcctccacg gtccccgcct gcancgccg	300
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<210> 409

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<223> a, t, g, c

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<223> a, t, g, c

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<223> a, t, g, c

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<223> a, t, g, c

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aggaggggga ccaggtggct ctcacatggg gggtaactac ggggatgac gtcgtggtgg 180
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nggggccggg ntggtgggga canaggtggc tttngcctgg caagatggat tccaaggggt 300
gagcacagac aggatcgcaa gggataaggc cgtattaaat tagcctggct cccaggttc 360
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<211> 521

<212> DNA

<213> Homo sapiens

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atggccacat tttgagaagc aaggccactc aaagggcccc catctgtgtg aatcaacccc 180
tgctccatct gccctataa atgacaggag tgggggtgtc cccaggtctg agcctggagg 240
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tactctgtca gcagacacag aggagaccag aatagctttt atttcacatg aagctaagga 360
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ttctgagccc tggagctgga gcccagcagt tggaggtggt gcacctgcca ggcagcgcca 180

cagaaccagc cctgtcctct cgacttcctt ccttagcttc atgtgaaata aaagctattc 240

tggtctcctc tgtgtctgct gacagagtaa cccgtttaac tacagcctcc tctcactcca 300

cttccatgcc tggaggaagc ctgcaacccc ctccaggctc agacctgggg acacccccan 360

tcctgtcatt tataggggaa gatggagcag gggttgattc acacagatgg ggggccctct	420
gaattggcct gcttctcaga atgttgacca taggtnaaaa gcaaggggat cgggggttcag	480
gaccancaga atgttttagtg aatctgnatg aatgagaccc caggatttat gtgtccatta	540
agtggttggt gtgnttttaa aaaaaaa	567

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ttaatggaga aatattccgt ctaccatgta tataaggact ttcagcagat gaaatgctta	180
aatagtttaa ggggtgaaat gaatacagca attagaaata aggggttgat aaaatatgca	240
tttagttttg ctgttacagt taaagaagca ttttttaaga aagactttct catttatcta	300
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gttaagtaat tcatcacttc atatttttac caaagtatat ttacaagtct gtttatctgg	180
atctggcaaa ctggaaaatg tttgaaggga tactcaggct ttgatccatg ccaacatgaa	240
aggactccaa gcacatttaa gtaggtggt cttttcatca tgcattgatt tttttttagt	300
gcaaatttag acttttagttt gggaaagaga acagtataca gtatcctttg taagataaat	360
cacaacaaca aaaattaagt tttattgcac aaagtagata aatgagaaaag tctttcttaa	420
aaaatgcttc t	431

<210> 414

<211> 474

<212> DNA

<213> Homo sapiens

<400> 414

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tctcttgatt aacctgaagt tgatattctt tctgtctact ttttaatacat atttatgatt	180
ccatagataa tactgtatat attagccatt ccctatttta tcagtgacaa aaaatttgag	240
agaagagaca cagataatac ttggagttat agatccagtc atagatataa ggaaagttat	300
tagaagtatc tataaaatat caacagatca aaaacactgc cctttttttc ttgaaatgag	360
ggtactaatt gatgggggag agggagagta taaagggaac actagagcag tgtttctctc	420
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<211> 375

<212> DNA

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<400> 415

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atgtgacaac tgaccacttg aaatgtggct actctgaatc taatttcagt taatttaagt	180
gtaaacagcc acatgcagct agtggctact gaattgcaca gtgcaggtct agactcctaa	240
agcagtgcctt ctttaccttg gtttcataat gggatcacct gtgaagcttt acaatacacc	300
gctgcctagg ccccttgcca gagcaattgg attttaatct gtgggccccg aacaaggacg	360
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aaactgtata tttttccact taacatttct acattagcaa tgatgtaact ctccaacatt      180
tccttataaa aaaggcaaac aagaagtgac aactcatgct ccaaataatta aaaaatatat      240
ttaaacatat gatcaagaag atttgggccg tgagtggtag ctcacatctg taaccccagg      300
attttgggag gctgaggtga gtggatcacg aggtcaggag atcgagacca tcctggctaa      360
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aggatggtct cgatctcctg acctcgtgat ccactcacct cagcctocca aaatcctggg      180
gttacagatg tgagctacca ctcacggccc aaatcttctt gatcatatgt ttaaatatat      240
tttttaatat ttggagcatg agttgtcact tcttgtttgc cttttttata aggaaatgtt      300
ggagagttac atcattgcta atgtagaaat gttaagtgga aaaatatata gtttggtaaa      360
atagactaga ttctacattt atttgtgggt ttttttcct cttttcttcc cacagcactt      420
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 aggcgttgct gtaaactgca ccgcgaccgc cccacccagt gcacaaagcg gagtgaagct 180
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<210> 419

<211> 384

<212> DNA

<213> Homo sapiens

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 ggtggctgtg tctgacgcca cggaggaccc atccgggtggc acaggcttgc tcagggaacc 180
 tgctcttctg cgaggggtctt ggaggagccg gttccagaga gccctggcat gtttcaccaa 240
 gtgtttcagg ggaggatacc gggcactcgg aatctgagac caccggagcc acagacacag 300
 agccatgaac ggtgaccaag ccccttctgc tgetccatgc ccctgctcgc cgcagtgtcc 360
 cagtcaccag gcctgaaata aatg 384

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<211> 305

<212> DNA

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 tgatgtggat gaagcaggcg ggggtggctgc tggtcggctg tggaggcacc tccaggcaca 180
 gggcctagag ggtgagaaca ctggtgacat taatgccata gctgtggctt gggacaggga 240
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<223> a, t, g, c

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<223> a, t, g, c

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<223> a, t, g, c

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ggaaccccc agtcctcatc ctggatgaag ccaccagcgc tttggatgcc gagagcgagt 180

atctgatcca gcaggccatc catggcaacc tgtcagaagc acacggtact catcatcgcg 240

caccggctga gcaccgtgga gcacgcgcac ct cattgtgg tgctggacaa gggccgcgta 300

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gttgacgcgg cagatgtttg gggtttna 388

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ggggcaggtc atgaatagag cctccacccc cagcaggggt tccttggggc cgcccaagca    180
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<211> 234

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atgacctgcc cctctttact gagacatccc caacctctgc cccttgacc ctctcccagg    180
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<223> a, t, g, c

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<223> a, t, g, c

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ctgaggggtgc agtgctggaa acagagactg cttcgagcct ggccaccttc ctcctgtgc 180

cggctgcttc taggagatgc tgtgggacgg tgcccggcct cgcggtgact accatgccct 240

aaggagcaga gcctccagga tgccccggg ctgcgctgga cgcttaagac cccagcacct 300

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aatnacagtc agcagcttcc ctccactgac agtgatctgc atgggccatt cctgggcggc 360
ctgggggggt tcgnttacag tttcaacctg ggctggggtt cccgntttcc ttccccaggg 420
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<223> a, t, g, c

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<222> (385)..(385)

<223> a, t, g, c

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<223> a, t, g, c

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<212> DNA

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 gtctcggagc tccaaaccag aagcaaaaag gaatcggggc ggtgggctgg ggggtactcc 180
 tccaacatca ccaaaaccca gaaaacgagg atcctaagct cctccgcagg ccaaattccag 240
 ggcttggggc ctgggctaac ccgcaggtgc ctctgactgc atcacactca gagtaagata 300
 accagcaagg ggctggaggg aacggccagc cgagtccaga catggacaga tgtaactgga 360
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<210> 428

<211> 504

<212> DNA

<213> Homo sapiens

<400> 428
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 ggtccagcac acgcccctcg aaacgtgcg gcaactgctg gaggcctcac gcccttcag 180
 tcgtgacagt tcccggtgtc actccttgtc caggcctctg tctccgggtc tccaggtgga 240
 caggggcctc tgcgggatgg gcgcagctct gccacagtct gtgtgcccct cccgaggctc 300
 tgctctcccc gcatcggaag ctgagggtg gaagcgcggg gagctgacat gaggttggtg 360

gaatgcgtgg gcgctgtaca ccacctcggg gggcgagggc gtgctggcgg ccagcaccga 420
gcacaggggc tcgtggctgt tcagcaacga cgtgaagtac ttcagttcct ctgtgagctg 480
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<210> 429

<211> 413

<212> DNA

<213> Homo sapiens

<400> 429
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ttcttgctca cgggtggcctc agttccttat cattcgtcct cacctcacct ctcagggctc 180
tcctgaaagg tctcagagga gcctgaccag ctgccgcttt cctccgaagg gcgatgtgga 240
ggatgatcgca agcaaagcat gctgggcgca aagggtccgg atcctcccat gcacctttca 300
tgaccccgctg cctgtgaagg cttgtgaaat gccactgact ccatcaaatt catcaactgt 360
cctagtggct gttaataacc tcgaagctat aaacggcttg atttgggcag att 413

<210> 430

<211> 353

<212> DNA

<213> Homo sapiens

<400> 430
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agaccaaggg gccagcatct gatgagggcc ttcttgctgt gttcaccacac ggcaaagggtg 120
aaggcagaag ggaaaaagag tgtgtgagga aaagaggag ccaaacttgc ttttataacc 180
aacacactcc tgagataatg ggattaatct tttcatgagg gcagagactt cacctaatac 240
cctcattagg ccccatctcc caatactatt gcaagtttca aacacataac tttgggggac 300
atattgaaac tattgaaggt gataaccatt gacattcttt acaggagaag aac 353

<210> 431

<211> 377

<212> DNA

<213> Homo sapiens

<400> 431

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cagttaaata ataatagtta atgaaggtgt gctacagaaa ataatctggt gttcttgcta      60
actttgccct tcactgttgc ttaattgtga acagccaaaa gctatatgtt atggcttatt      120
gtgtgaaggt aactaagaag tgggtgtcca tgacttcaga gtacatccat gcggagtcca      180
ttatttgagt ttgacattta ataactttgc tggaaaatct gtaaaaaaga aaaacaagtt      240
tgctagtgtg taagccccgc atatgtgagt gaaagtactt caggcacgct gcctcctggt      300
aacagctatg cagggagtgg aggaccaca ctgctacact tctgateccc tttggtttta      360
ctacccaaat ctaaata                                     377

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<210> 432

<211> 542

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (503)..(503)

<223> a, t, g, c

<400> 432

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ctccacttga tgatgtctct cactctgttc ctttaattac gaagtctctg aagactctga      120
acttgactga ggaaatgtta aacagatacc tcttcataat tctgtaagtg tttgctttta      180
actttgaata aatgtcatat ctaaacaaat attaaaaagt atttaacatc tcatacagtc      240
agagttcact ggcgctttgt tccagcctgg aactgacca ttgaaaaata gatgcctttc      300
tgtgccagca gctgctgatg cgtgccatgc tccttgactc tgccattctg aaacaccact      360
attaagtctg cattctggat ggtggacagg cggtagacaa tcacaatgca ggtgcggcct      420
tctctggcta tgccagggct tcttgacaaa ccttttcacc tactgtatcc agagctgacg      480

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tggctcatcc aaaagcaaaa tantgggctg tctaacaagg gcacgagcta ttgccatgcg 540
 tt 542

<210> 433

<211> 256

<212> DNA

<213> Homo sapiens

<220>

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<222> (254)..(254)

<223> a, t, g, c

<400> 433

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 gttgctacat ttgtgaactt tctgaaacca agtgacaaat atccacaaaa gatcatttac 120
 aatgtagaca tcactaaagt ctagatttaa aagtccagtg aaaatggcac acagttggct 180
 tacagaaata aaaaagtaca atatatattga aatagtaggg tttttgtttt ccatttatgc 240
 ctacatcatg gtgnta 256

<210> 434

<211> 316

<212> DNA

<213> Homo sapiens

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<222> (65)..(65)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (193)..(193)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (197)..(197)

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<220>

<221> misc_feature

<222> (259)..(259)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (280)..(280)

<223> a, t, g, c

<400> 434

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cgaantgaag aggtgtacac agccgcccgg gaagcgaatc tcacgagttc atcaccagct 120

tccccgaggg ctacaacacg gtcgtcgggtg aacggggcac taccctgtct gggggccaga 180

agcagcgcct ggncatncgc ccgagccctt atcaagcagc ccacggtgct gatactggat 240

gaagctacca gcgcgctgna tgcagagtcc gagcgggttn tacaggaggc ctggaccggg 300

cagtgcaggc cgcacg 316

<210> 435

<211> 228

<212> DNA

<213> Homo sapiens

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<223> a, t, g, c

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<222> (3)..(3)

<223> a, t, g, c

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<222> (5)..(5)

<223> a, t, g, c

<220>

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<222> (21)..(21)

<223> a, t, g, c

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<222> (35)..(35)

<223> a, t, g, c

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<222> (38)..(38)

<223> a, t, g, c

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<222> (55)..(55)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (67)..(67)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (71)..(71)

<223> a, t, g, c

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<222> (86)..(86)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (110)..(110)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (116)..(116)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (204)..(204)

<223> a, t, g, c

<400> 435

tnncnttttt tttttttttg nggacacaac atganatnag gctttatttg aattnaaaat 60

cttgatncca nccagggaca tttttnaccg aagcgtctca gagactggcn cagggnattt 120

cttgacaaga ctgtacaggg cttctcatca tacacaaacc ctccacagcc cacgggtcca 180

acccacagca cctcctgcag tccngggggg aaaagggaca gtaacatg 228

<210> 436

<211> 455

<212> DNA

<213> Homo sapiens

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<222> (16)..(16)

<223> a, t, g, c

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<222> (89)..(89)

<223> a, t, g, c

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<221> misc_feature

<222> (409)..(409)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (441)..(441)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (452)..(452)

<223> a, t, g, c

<400> 436

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cggcgggtgt ggaggagctc ctgagcgang atggcggcgg cggcgcagga gagcgcgca	120
agtacgggac cgagttcctg atgaatatct gttatcgctg aagtttctct ttggctcatc	180
agccaccag gccttggacc tagttgatcg acagtccatc accttaatct catcaccag	240
tggaaggcgt gtttaccagg gtccttgaa gttccagtaa aacatacaca tgtttggtt	300
cttgtcatta ctgtttcatg tctgcattt tgcatttca gtgtacggg aagagttgac	360
agcatcctgt tgcaagcatc tctttgccca ttttacctga gtcagtttnt gagggacctt	420
tcagcagtta agtggttttt nacaagcatt tnatt	455

<210> 437

<211> 232

<212> DNA

<213> Homo sapiens

<400> 437

tttttttttt ttttttcaga tgtgagcagg atatttataa gtgtcacagg aaaattattg	60
gatactgcct occaggattt ctaggggatg gaaagaagac agggattatg gtgggaggtg	120
atattgattg gaggatttct ttgagggagg gaactggcag aaggagtcag gccctacggt	180
ggccctaggg agaaatccgg tagttggggg ggacctgggg cctgacgtcg ca	232

<210> 438

<211> 482

<212> DNA

<213> Homo sapiens

<400> 438

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tgggtactgc ctgagcaaga agtgctggag aggaggacca gtcataata ggaggatgag      120
attgggagag aactcgggtg caggaggctg agtgagcagg ggagcactaa gaccagggg      180
tagtgaggga ctgctgcaac gagctggagg aggagaagga aggcccggcg actgaagcag      240
gcaaaggagg aggcacagat ggaggtggag caataccgca gagagcgaga cacgaattcc      300
agagcaagca gcaggcgcc atgggctccc aggggaacct gtctgctgag gtggagcagg      360
ctacaaggcg ccaggtgcag ggcatgcaga gctcccagca gagaaaccga gacgtgtcc      420
tggcccagct tcttgcatg gtctgcgacg tcaggcccca ggtccacccc aactaccgga      480
tt                                                                                   482
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<210> 439

<211> 361

<212> DNA

<213> Homo sapiens

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<222> (4)..(4)

<223> a, t, g, c

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<222> (226)..(226)

<223> a, t, g, c

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<222> (227)..(227)

<223> a, t, g, c

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<222> (236)..(236)

<223> a, t, g, c

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<222> (292)..(292)

<223> a, t, g, c

<400> 439

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atgggaagtg ggtcccacgt gaagggggcc caccacccac tttgggagct gaaggagaga	120
ctcgggagcc ctcccggctc agactcccc tacgctgggt gtgggttaga ttcagaggcc	180
cacaccacaca ctggggtagg ttaggtatgg tttacttagc cacagnnccc cggggnaagg	240
gagacagagt ggggggccccg aagctccctg tcctgggaag agttaaaggt tntgggggta	300
gccctgggcc ccgtggggaa gtttttagga gatgagggga ggttacttcc ttagcccagg	360
g	361

<210> 440

<211> 433

<212> DNA

<213> Homo sapiens

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<223> a, t, g, c

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<222> (75)..(75)

<223> a, t, g, c

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<222> (87)..(87)

<223> a, t, g, c

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<222> (127)..(127)

<223> a, t, g, c

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<222> (143)..(143)

<223> a, t, g, c

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<222> (225)..(225)

<223> a, t, g, c

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<222> (229)..(229)

<223> a, t, g, c

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<222> (251)..(251)

<223> a, t, g, c

<220>

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<222> (347)..(347)

<223> a, t, g, c

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<222> (379)..(379)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (405)..(405)

<223> a, t, g, c

<220>

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<222> (423)..(423)

<223> a, t, g, c

<400> 440

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agagagtaac aaaantaaac acaacangct gtacaatggt attaaagcct agctggagac 120

tattgtntcc tcaagctctg ggnttcctgc cttccctttc cgttgataag gaagcttagc 180

aaatgttaga gagacgtgaa agacacagta gtaccaaacc aaganttgnt cctgggggtgc 240

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agttcataga nttgaaaggc cactgcaaac cagtcctctt ccggggtgac ttgatgactt 300
gatgggtgct caggtgctgt gtttggggat gtgactcaaa tccactnatt tgtcaggcag 360
gagtcccaca ctccggggna ggcccggggc ccagaacgga cctgntttta ggtcccgcaa 420
ggntgttccc agg 433

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<210> 441

<211> 487

<212> DNA

<213> Homo sapiens

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<222> (233)..(233)

<223> a, t, g, c

<220>

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<222> (387)..(387)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (399)..(399)

<223> a, t, g, c

<220>

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<222> (485)..(485)

<223> a, t, g, c

<400> 441

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tttgcaaaaa cctcatccat ttattatgct ctacagaaaa gacacatggt tacatgattt 60

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ggacagatgt tctttatcag ggcatctaca ccatgcatag ggccgctctt ctcccgcaga 180
ctcagttgcc cctcagacca ggtgtggatc cccacatggc cattgcggca gancctctgt 240
cctaagagag tctcagacca tcacgtgctc tgggtgctgaa tgactgccct gtgtgacaaa 300
acacagcctc tttttttttt ttttcattca ccatgtgtgg cacagtttga cttcattcta 360
atactaatac taaatggttt ttactgnttc ctttcaacng gtttttcttt cctccagata 420
cttaactgag gcagaaggag aagtggggtg gtgggaaaaa agagtggggt tgggggggta 480
aggangg 487

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<210> 442

<211> 612

<212> DNA

<213> Homo sapiens

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<223> a, t, g, c

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<222> (81)..(81)

<223> a, t, g, c

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<222> (186)..(186)

<223> a, t, g, c

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<222> (248)..(248)

<223> a, t, g, c

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<222> (262)..(262)

<223> a, t, g, c

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<221> misc_feature

<222> (312)..(312)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (344)..(344)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (412)..(412)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (447)..(447)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (538)..(538)

<223> a, t, g, c

<220>

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<222> (608)..(608)

<223> a, t, g, c

<400> 442

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gcactcattc ncttgaataa ntgaatattt attagctggg tggagagcta gaacctggag	120
aggctagaac caagaaaggc tagaacctgg caagctagaa cctggagggga atgaacctgg	180
agggcntaga accgtggaga atgagaaaaa ttacatggc aaagagccca taaatcctga	240
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aaccactct tntttccac caccactct cctctgcctc agtnagtatc tggaggaaga	360
aaacaggtga aagaagaagt aaaaaccatt tagtattaag tattagaatg anagtcaaac	420
tgtgccacac atgggtgaatg aaaaagnaaa aaaaagaggg ctgtgttttg gtcacacagg	480
gcagttcatt cagcaccagg agcacgtgat ggtctgagac tctctttagg agcagagntc	540
tgccgccaat ggccatgttg gggggatcca cacctgggtc ttgagggggc aacttgagtt	600
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<210> 443

<211> 526

<212> DNA

<213> Homo sapiens

<220>

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<222> (442)..(442)

<223> a, t, g, c

<220>

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<222> (487)..(487)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (516)..(516)

<223> a, t, g, c

<220>

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<222> (521)..(521)

<223> a, t, g, c

<400> 443

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agagcagtgt ctaggaagta ggaccctgcc tcaaattgga cttacccagg taggcagtga      60
gtgatatttc tggaaggatc acattcccat ctctctaata tgagtataac agtctcatct      120
ggatatggaa aaaagattat tcagagccaa caaatctggc tataggctgt ttcactttct      180
ctgaaactca tccagtctga caccagttca caaagaacac ctgtgattcc agtctgatct      240
aggcaactct agctgctttc ccactaccct cagggtttgcc ttgtcagcca tggatatggg      300
aacagaaaga ctatgactcg cgcacagctc tgcattgttg tgcagcttga aggtacttga      360
agggttaagg gagggggagg gagggagggg taatcattaa ggaccctttt cttttttcca      420
cccaaaagtt accttccatt tntatgtggc ccttcaaggg ttattagggg ggcagcaact      480
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<211> 211

<212> DNA

<213> Homo sapiens

<400> 444
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aggagtggc gccctcgtcc tcctcctcgg gcaggatctc caggctgctg tcgggctgcg 180
gggctgtgtc cgtcgagggc ggcgggggtg g 211

<210> 445

<211> 347

<212> DNA

<213> Homo sapiens

<400> 445
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cgtgcaggag atcctggggc tggcccgccc gcagagcccc acagcccctc gccaccgcc 120
tccccgctgc ctctgtcgc caccggggc cgccaccccg ccgccctcca cggacacacc 180
taccgcagcc cgacagcagc ctggagatcc tgcccgacga ggaggacgag ggcgcgact 240
cctaaccgcc ccaggcagcc tcgatctgca caggcacttt agcccgagcc aggcacacct 300
gcgagggggc aggtgtctcc gccgccctgc tgataagctg gcttcat 347

<210> 446

<211> 246

<212> DNA

<213> Homo sapiens

<400> 446
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ccatatatat atacatatat attctatcta caaagtgttt atttgcgaga tgtttcaacg 120
gtgagttcgg gccccgccgc acttgtagcc atctgtcccc ggtcctcgtc cccgccccgc 180
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aaataa 246

<210> 447

<211> 238
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<220>
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<222> (144)..(144)
<223> a, t, g, c

<220>
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<222> (168)..(168)
<223> a, t, g, c

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<222> (174)..(174)
<223> a, t, g, c

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<223> a, t, g, c

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<222> (196)..(196)

<223> a, t, g, c

<220>

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<222> (203)..(203)

<223> a, t, g, c

<400> 447

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atattttttt tttttccaaa ctaagtacaa gtgtcctaca aagctttttt ttttttttgg 120

natttactta gctatgataa agantaaaaa gtcattttaa aaacgcgnta gggncagnta 180

acagactcac aacgtnttta ggntttaaac actgctgggt ctacggtaac ctgttaca 238

<210> 448

<211> 394

<212> DNA

<213> Homo sapiens

<220>

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<222> (308)..(308)

<223> a, t, g, c

<220>

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<222> (347)..(347)

<223> a, t, g, c

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<222> (370)..(370)

<223> a, t, g, c

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<222> (389)..(389)

<223> a, t, g, c

<400> 448

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tagcaggctt tacatctggg gaaaggaaaa ccaggggttt tagctctggt ctctgctccc    180
atccttcgct caccagctga gtgagaacat gaactttttg caccatgtac ccatgggctt    240
aactactta ggaaaatcac cttttcagat aaaacagttt atggagttca taggaggaac    300
accagcantc tttggacaaa actgtggagt gacccttttt taaacantgc tggagcaggg    360
ccctggagggn tataatcaac gggtgaggnt ttaa                                394
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<210> 449

<211> 473

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (363)..(363)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (373)..(373)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (390)..(390)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (400)..(400)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (427)..(427)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (442)..(442)

<223> a, t, g, c

<400> 449

cagtttatag aatttattat gaaattgctt ttcatttata cactgtaatt tacttggtca	60
tgaaagccaa aacagtggat tacaatgaat aacttttgaa aacaaaatgg caccacagta	120
tttccaatgt taagataatt ggttgccact tattgttcgg tttctttaac tcttaatctt	180
atacattcta agttactact caaaactgcc acactttaaa aactgtatgt tggacatttt	240
ttttttcctt aataaccgag gcacaaagga tgaaaaggat ttataaacta tcaatgtag	300
cataaaatta catatgacta gataaatatg aaaaatatgt ccatgttttc tgattctaaa	360
tgnagatttc tgncttcaaa ttgtatcagn aaccttatgn gaccatctaa gtaactggaa	420
cataccnaaa gacctgtaaa cnggattagg tggaagtagg gcctattaga acc	473

<210> 450

<211> 690

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (650)..(650)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (670)..(670)

<223> a, t, g, c

<400> 450

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gtcgggtcttt agagtagtaa ccgccagaaa ggagtcggaa gaggtctcac gaggctgtca      60
tcaccgccat gcccaagaat aaaggtaaag gaggtaaaaa caggcgcagg ggtaaaaatg      120
agaatgaatc tgaaaaaaga gagttggtgt tttaaagagga tggacaagag tatgctcagg      180
taatcaaaat gttgggaaat ggacgattgg aagcattgtg ttttgatggg gtaaagaggt      240
tatgccatat cagagggaaa ttgagaaaaa aggtttggat aaatacatca gacattatat      300
tggttggtct acgggactat caggataaca aagctgatgt aatttttaaag tacaatgcag      360
atgaagctag aagcctgaag gcatatggcg agcttcaga acatgctaaa atcaatgaaa      420
cagacacatt tggctctgga gatgatgatg aaatccagtt tgacgatatt ggagatgatg      480
atgaagacat tgatgatatc taaattgaac caagtgtttt tccatgacaa gtctctgagg      540
atggttctcc agttgggatt ttggccatca tcaccagaa gagaattctt tagtgtgtag      600
ttctgaacca ctgattattc catgtttaag tattatcctt aaactgagcn ctgattccta      660
gttatgttan ccttatgttt gagtatggcc                                     690

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<210> 451

<211> 277

<212> DNA

<213> Homo sapiens

<220>

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<223> a, t, g, c

<220>

<221> misc_feature

<222> (250)..(250)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (270)..(270)

<223> a, t, g, c

<400> 451

cacaacccga gaatcagggg gaaagtcctt cccagcagc cccctcctcc tggctgggaa 60

gaatgggtccc ccagcaagca ctgacctgtt cattcccggt catgttttgc ttctctctca 120

gactgccttc ctgcttctgg gctaacctgt tccagccagg ctctcatgt gacctcgag 180

ttgagaagcc cattatcgtg gggcatcctt ttgcctacag cccctgggta gggcactttn 240

gacaaggctn tgctattcag tgaacctttn tacattt 277

<210> 452

<211> 257

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (191)..(191)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (214)..(214)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (229)..(229)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (241)..(241)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (251)..(251)

<223> a, t, g, c

<400> 452

gcgtgaacag agttcttatt gatagtccca tcacctccaa agcagtgggc ccacctccc 60

tcctaccagc ccctccccag caccagccc ctcaagtgcag cgccacctcg caggggtgga 120

ggtgggcagc acgggcagcc tcgtaggcac ggcggaactc ctggaatcgt ggggcacagc 180

caggccccggg nttcccccaa agcggtttcc agencattga agagggaang ttgtcctggg 240

nccgggttg nacgcca 257

<210> 453
<211> 303
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)..(8)
<223> a, t, g, c

<220>
<221> misc_feature
<222> (79)..(79)
<223> a, t, g, c

<220>
<221> misc_feature
<222> (141)..(141)
<223> a, t, g, c

<220>
<221> misc_feature
<222> (215)..(215)
<223> a, t, g, c

<220>
<221> misc_feature
<222> (288)..(288)
<223> a, t, g, c

<400> 453

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gctttganct gcgcaaggac gggcgccccg agatagcccc cgcagcccac ggtctcggcg      60
tagacggttg cctgcaagnc ctgcagcaga cgctgagctg ctcttgcccg catgcaccag      120
cgacttcggt gagtgtcccc nccatggggg agcctggagc ctgccttccc ctgaatgcct      180
accgcagcca catgcctccc cacagtaatt cacgngatca tccatggggg caccatgac      240
agtggaagct gcaggagtct gtcatcactg tgggtggccgc cgtgtentc cgccaagaca      300
ccg                                                                           303

```

<210> 454

<211> 529

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (393)..(393)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (431)..(431)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (509)..(509)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (514)..(514)

<223> a, t, g, c

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<400> 454
tttttttttt ttttttttcc cagtttcatg gaacttttat tgagtttatt tgtgggatgc      60
atgacaggag gtctttccat cattagtaag aatgaaaggt cattttcaca gtcactttgg      120
cacacgctaa cgtctcataa aaaaaaccag aaaagcaaag acaatggaac ctatagaata      180
cgtcattaaa tacatacaaa acactaataa aatatccctg ataaaccaa gtgcatatgc      240
ccaggacagt attgcacctt cccagtcgc gcgtgtcgc cgcattggcct cgtcaaagtt      300
ggaagttaac agtcgtgaga ttagtacgca ggtgcacacc agttatttac agaacggcgg      360
tcagagccgc gggagtaggg gccggccgcc cgnagggtgc ggtgtgaaca gaggcggtgg      420
ctgggggtga ngggcgggga ggagtgtac atggatcgcg gtcagggcc aggggggtcgc      480
ccctgggtgt aaagccgcct gttgaacanc ctengggctc catgcaaca                    529

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<210> 455

<211> 596

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (502)..(502)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (520)..(520)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (530)..(530)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (562)..(562)

<223> a, t, g, c

<400> 455

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cttaaagttg aaaggtaacg ggattggctg ccaactccag cttcagaggg ggaacgtggg      60
ccagtagaag gcagggaagg ttagaggag cgggtgcgtt catccacctt ttgccaaggt      120
tgaggtttcc aagtgcagac ggcttctctc cttgggctga gcggtgcgca ccgtccgtct      180
ccgcggactg gagtctgccc tgatgcccc aaggccagtc ggcgtgact gttgcatgga      240
gcccccgagg gtgctccaca gcgcggcctt acaccaggg ggcgacccc tgggccctga      300
gccgcgatcc atgtagcact cctccccgcc cctccacccc agccacggcc tctgttcaca      360
ccgcacccct gccggggggc cggccctact cccgcggctc tgaccgcgt tctgtaaata      420
actggtgtgc actgctact aatctcacga ctgttaattc caatttgacg aggcacgag      480
cgacacggcg actggggaag tnaatactgt cctggatatn acttggttan aaggatattt      540
atagtgtttg aagtattaat angtaattaa aaggatcatg cttggttctg gttttt      596

```

<210> 456

<211> 446

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(1)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (3)..(3)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (4)..(4)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (5)..(5)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (100)..(100)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (374)..(374)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (412)..(412)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (441)..(441)

<223> a, t, g, c

<400> 456
 nannngattt ttatttatg aagatggat acaaaatata ttcattcatga ctgaaatat 60
 aggaccaaac catgtctgtc ttatatctgt agcatatatn cttgggttgt ataaaagtaa 120
 ctttaaaatt ccagtttctt taaatagtta tgcacaaaac acacatacac ccacacacac 180
 acacacacac acacacacac atacagttac accactgtcg ggccaaagat gcactcctcc 240
 tttaatcaat ttaaatgagg gctaggcgag gtatctgttt gatgtttgca ttcttgtggg 300
 ggctagggaa acaagggcac ggggtcccta aaattaacat ctgggtgtt cacttcttgg 360
 ggactggaca gggncacagg acttggcact gggggtttca ggcccccttc cnccccggac 420
 tgtttccccg gtacattttt ntcggg 446

<210> 457

<211> 463

<212> DNA

<213> Homo sapiens

<400> 457
 ggagtcttaa tgtagaaaga aaaatggaga cttgtaataa tgagctagtt acaaagtgt 60
 tgttcattaa aatagcactg aaaattgaaa catgaattaa ctgataatat tccaatcatt 120
 tgccatttat gacaaaaatg gttggcacta acaaagaacg agcacttctt ttccagagttt 180
 ctgagataat gtacgtggaa cagtctgggt ggaatggggc tgaaaccatg tgcaagtctg 240
 tgtcttgtca gtccaagaag tgacaccgag atgttaattt tagggaccgc tgccttgttt 300
 cctagcccac aagaatgcaa acatcaaaca gatacttcgc tagcctcatt taaattgatt 360
 taaaggaggg agtggcatct ttgggccgac agtgggtgtt aactgttatg gtgtgtgttg 420
 tgtgtgtgtg tgtgtgtgtg ggggtgtatg gtgttttgtg cct 463

<210> 458

<211> 400

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (174)..(174)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (274)..(274)

<223> a, t, g, c

<400> 458

gaagacatat ttcagtttta ttatctttta ggcataagacg ggtatgttaa tccatttcca 60

caaacaattc ctataatcac atatagggag tgaaccttga acttgcaaaa cctgtttcct 120

gttgccaaag agttaaattg gagagccgaa acctcaaaag ttgaggattt ggantttctt 180

ttctttcttag gcatcttcgt gcatgtgggc tgccattaaa caagtaagct ttctcttcta 240

tccggggact ggaatcgatg ggtaataatg ttgncttttt ttttcccgga caaactttct 300

gctttcgggt ccagagctct gagtttctca tgttctgctc tcgagggttc tgacagctgt 360

ttttgggact ttaatttaac cattgcagtg ggggaaccag 400

<210> 459

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (405)..(405)

<223> a, t, g, c

<400> 459

ataaaagctt ccgtagtgca ttggtatgga ttaaattgcat aaaatattct tagactcgat 60

gctgtataaa atattatggg aaaaaaagaa aatacgttat tttgcctcta aacttttatt 120

gaagttttat ttggcaggaa aaaaaattga atcttgggtca acattttaaac caaagtaaaa 180

```

ggggaaaaac caaagttatt tgttttgcac ggctaagcca ttctgttatc tctgtaaata 240
ctgtgatttc ttttttattt tctctttaga attttgttaa agaaattcta aaatttttaa 300
acacctgctc tccacaataa atcacaaaca ctaaaataaa attacttcca tatgaaatat 360
tattttctct tttgggtgtg gggagatcca aagggtttaa agtcntaa 408

```

<210> 460

<211> 453

<212> DNA

<213> Homo sapiens

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<400> 460
tttttttttt tttttttttg aggttttgct atgctgaata ctttatttat atttttatgt 60
aaacataatt tgcttttatag gcacaatata acaaaagctc taaagccaca aagacattag 120
acaatgtttc agttcacttc aatcaagctt aaattacaga gaagccttca cagttccttt 180
aaggcagact gagacattct ttacacttcc ttcagaaaaa acaatcaaga gacaggaaag 240
aagggtgctta aaatgagagt acgttaaaca attaacttgc gtcccccggt tcttcattggc 300
agaaattggg cttattgggc aaactctagt tttctcgctc tgtattctga aagggttttc 360
tttaaccatc tggagtaatt tgcgattact ggattaactt tgctagttaa ataaaaccaa 420
accaaaccce gatttggttag ggggtggtggg gga 453

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<210> 461

<211> 359

<212> DNA

<213> Homo sapiens

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<400> 461
tttaagtata ttttccttta ttgttttcag gtacttactg aacattacca atagtctttc 60
attactttgg attaatattat agataggtat taataccaat aatagtaatt acaggctatc 120
atttttttgc acacatctta aatcctgaaa caagcttgag tttcttctcc gttcttcaga 180
catcagcaga aagagggttc ttcttaaatgg aaaatctaatt tcatcttata ttctgagtcc 240
tccgtgcctg gagtagtact tggcttggtg caataaactg tttctgctcg gcagtcctgg 300
cttcaagcct cccacaggca gattcttttt aatgctccaa atcccttcca cggccactg 359

```

<210> 462

<211> 342

<212> DNA

<213> Homo sapiens

<400> 462

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tttcattaaa aatccagctg cagtggccgt tgaagggatt tggagcatta aaaagaatct      60
gacctgtggga ggcttgaagc caggactgcc gagcagaaac agttttattgc cacaagccaa    120
gtactactcc aggcacggag gactcagaag ataagatgaa ttagattttc cattaagaag      180
gaacctcttt ctgctgatgt ctgaagaacg gagaagaaac tcaagcttgt ttcaggattt      240
aagatgtgtg caaaaaaatg atagcctgta attactatta ttggtattaa tacctatcta      300
taaattaatc caaagtaatg aaagactatt ggtaatgttc ag                          342
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<210> 463

<211> 670

<212> DNA

<213> Homo sapiens

<400> 463

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ttttttcttt tcctttttta tttgtcatag tccttccttc atctcactcc aactcttctt      60
tcttggtccc ccgctcggct ccaccgccgc gggcctccct tcacacatag cacaggtaga    120
ggtagctctt ctctatcttc cagtcgggcg ggatctcttc gggcttgtgg cccttcatgt      180
gcttctgcat ggaggagagg ctggggcagt actctgtgca aatgggtgcac tggtagggcg      240
aggcgccggt gtgcgttctt aggtgcttga tcatggccga gtagtcccgg gagcgctggt      300
ggcagagctt acactcaaag ggcttctcac ctgtgtgcac cctatagtgc gtctccagct      360
gatgcttgag gctgaacttc ttgccacagc cattgcactc gtaggggtttc tcacccgtgt      420
ggatgcgttt gtggctcttg agtgtgctct catcccgga gcagctgcc cagaactcac      480
actcgtaggg gtggtcgcct gtatgtgagc gcagggtggcg ttgagagcc gtgtggctgg      540
ggaagggggcg gttgcactca ctgcagatgt agctgcgcac gcccgcgtag acctccatgt      600
gctgctgcag tgcgctctgc gcctggaaac gcttcccaca cagcagacag aagacggcca      660
tgtcagtgcc                                     670
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<210> 464

<211> 320

<212> DNA

<213> Homo sapiens

<400> 464

cacagaaaaa aaaaatttaa tattcaacat gcaaaacaac ctttaaaaga aacatgaaat	60
cataaagcaa agctaacagc caaccaacaa ataccgccta gcaatgattt ccactggatg	120
tggaagaggg ttaataaaga cgctgttggc aacgcgtaca gaactatcac tggcaatcag	180
catactgagc tatccagtgg aggccggcgc cgtgtttttg ctaaaataca tgttgtagaa	240
gtcataattc atagtgaaga atctcaacag gttttcttac agatttaatt actctcacac	300
aaataattca tttggaaacc	320

<210> 465

<211> 364

<212> DNA

<213> Homo sapiens

<400> 465

cttgacagcc cactggttct tcctgtcctc ttgctctagt ctgtatcaga aagcagaatg	60
actgtacttt tgttttacaa acaaccacct gataggacgg acaactccacg agataaggaa	120
aggcacgtgc ccttgagctt gaatggaagc agcctctgga gggggcagcc actgccgttc	180
gaggagagag agctcttcag cagtggccag agtgccacgt gactctgcag atgaccctg	240
ggagccgggt gatgggcacc tgctggggct tttgtttttt ctttttcaact ggctggcttg	300
atcctcagtg gcaaaaggac ccctgagccc cttctccgag ccctggagca ctctcgga	360
cacc	364

<210> 466

<211> 508

<212> DNA

<213> Homo sapiens

<400> 466

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taggattcga tgcccaccaa aattcttgta aatgaagcag gacttgattt caaattctgt      60
ctatacacac aatatttggc cacatagacc actccccaaa gtctgcaaaa cactgcctac      120
tgggcaggct tacagtgaca gaaaagtatg agaacacaat atattatttt tataaagact      180
aaaatcagat ttaggctgtc tagatatctt attccagaaa acacagattt aagatttttc      240
agtgattctt gccttcccc tccccttttc ttcccgaatg agataaccat ttctttcaca      300
atgatgaacc atcccttttt atggaaaaat ggctttcttt ctccattgga tcaggacaaa      360
gacatcactt cttggccaca ctggccacag ccttcttggc tgcatacctc aggtcaatgg      420
ctgaagtaat ggggagtcgc ctgttggtga gtatcttctg ggcctcttgg acgttgggtc      480
cctcaagccg gaccaccagg gggacctt                                         508

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<210> 467

<211> 323

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (129)..(129)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (226)..(226)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (297)..(297)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (302)..(302)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (310)..(310)

<223> a, t, g, c

<400> 467

gctcattgca tgatttcac ttttaattaaa taagtcaagt aggccatcag gagttgggtt 60

cacattctat tctgcaaagc aggccctgac tgctggggct gccagctctc tgaagggcag 120

ccccacgtnt tccaggagac ggcagattgt ctgtggccat ggcaaggaca tctgggacga 180

cagtgcacgc aatggggctg ggagcaatgt ggaacggcgc cagagntgaa gcagaatgag 240

ctacatgcta cacatacaca cacgtggatg catatgtaca taccatggca gtgtatnccg 300

tnaaggggtn tctcgtacca tgc 323

<210> 468

<211> 574

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (480)..(480)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (526)..(526)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (548)..(548)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (563)..(563)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (570)..(570)

<223> a, t, g, c

<400> 468

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cgtgtccttt ggcaccccggt aactggactg gggacaaatt tgttacgtgt ttccaaggct      60
acagacatgg cgccatcctc acaggcctag ctcatgtcat ggatcagggtg ctttgctggg      120
gggatacaat gacccatgtg gtctgcgctct tctgccattg gcttgaactg ggcaccccct      180
gaagtctcca tctcagctgt atattctagt ccaaattttc ctggctcccc tgctccctcc      240
caggtcctgc aactgtcttt ttgccaaca cctcagccct gtttgctatt tcatgtctgc      300
atggtacgag acaccccttc acggcataca ctgccatggg atgtacatat gcatccacgt      360
gtgtgtatgt gtagcatgta gctcattctg ctcagcctct ggcgccgttc cacattgctc      420
cagccccatt gctgtcactg tcgtcccaga tgtccttgcc atggccacag acaatctgcn      480
gtctcctgga aacgctgggg tgccttcaga gagtggcagc ccagnagtc agggctgctt      540
tgagaatnga atgtgaaacc aantcctatn gcct                                     574

```

<210> 469

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (114)..(114)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (133)..(133)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (306)..(306)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (336)..(336)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (354)..(354)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (392)..(392)

<223> a, t, g, c

```

<400> 469
tttttgtcag agtataaaaa agtgagtgca gcaaaacaag gaagacgaga caggcgacca      60
cctcgtgaac gaagattcga aaagccactt gaagaaaagg gtgaaggagg cganttttca      120
gttgatagac cgnttattga ccgacctatt cgaggtcgtg gtggtccttg aagaggtcga      180
ggggggccgtg gacgtggaat gggccgagga gatggatttg attctcgtgg caaacgtgaa      240
tttgataggc atagtggaag tgatagatct ggcctgaagc acgaggacaa acgtggaggt      300
agcggntctc acaactgggg aactttcaaa gacganttaa ctgacttgga tcantcaaat      360
gttgactgaa gtacaggtcg tgcagaaaac cntcgtgccg attttttggc ctcgagg      417

```

<210> 470

<211> 447

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (369)..(369)

<223> a, t, g, c

```

<400> 470
gatacaattt acagctatgg taagatgatt accacagccc tgattcaggt gtggtcttta      60
gcttcagaaa gtccatcggg catgtagctg actgtcattg ctaaatctgt tgcttgacaga      120
ggcctcagtg ctctggcttt gcgagtagag tcctcaccat ttaagctctt cctacataca      180
ggacatgtgt catgcagttc tagccacggc acaatacaac tgctgtgaaa gaagtgattg      240
caaggtaact gcoggacttc ctcttcaact gtgtaatctt ctttgcatac tggacactct      300
aaacccatat caacttgttc ctgagttact gtcactgttg gaagagatgt gatcttttcc      360
ttgtcagcng ggggagggcc tgtgttttcc agttgtccta aaagctgggt tacaatggca      420
tcaagccctg tctgacccca ggcatag      447

```

<210> 471

<211> 318

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (127)..(127)

<223> a, t, g, c

<400> 471

aatagagcca atgaaagggg tcaccagact cacactgact tctggggagc aagacctcca	60
cggttgccat tgggtcggag atacagatct cgaggaagtt ctcgtcctga cagatctcca	120
gctattnaag gaatactaca acacatcttt gcaggattct ttgcaaattc tgccattcct	180
ggatctccac accctttttc ctggagcggg atgctgcact ccaaccctgg ggactatgcc	240
tggggtcaga cagggcttga tgccatttgt aaccaagcc ttttatggac aactggaaaa	300
cacaaggccc tcccccaa	318

<210> 472

<211> 502

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (30)..(30)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (81)..(81)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (350)..(350)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (402)..(402)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (419)..(419)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (458)..(458)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (468)..(468)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (476)..(476)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (481)..(481)

<223> a, t, g, c

<400> 472

```

tttttttttg tgtgtgctta tttgggagan ggattactgc atttattctc cagaaaaaaaa 60
ggcagacctg aggcatacaca nttaccogga acatttaa atgatgacat gtttcttctc 120
ttctaaactt caacgaaagc tgcttgtaga aactatttaa tgcatactctg ccccatataa 180
caagatattt gatgtagcag agaagccaga agctgagtc cttcatttct ttctgttgcc 240
tccagttgcc agcatagttg caactcgcat aaatatattt aatgtatcca tgtaggatac 300
tcagcatcga gttaatgggg atcatatttt tgaactcca tacattgggn ggatacttct 360
gcacggcttg attaccttc tgggggtatc atacaggagg gnaccatgct ggaaaaggna 420
cttaatccac ccgtaccatt tgcccactga ggtaaagngt gggcaccngg ccgggnttgg 480
ntagggtggg agggacctag gt 502

```

<210> 473

<211> 212

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (33)..(33)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (124)..(124)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (128)..(128)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (166)..(166)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (174)..(174)

<223> a, t, g, c

<400> 473

tctttgaggc cgacgctagg ggccaggaag ganacctgcg aggcgaaggt gaccggggac 60

cacgcatttc agatctgctc ggtagacctg gtgcaccacc accatgttgg ctgcaaggct 120

ggtntgtntc cggacaatac cttctagggc tttccacca gctttnacca aggnctcccc 180

tggtgtgaag aattccatca cgaagaatca at 212

<210> 474

<211> 480

<212> DNA

<213> Homo sapiens

<400> 474

cagagacttt gaagtctgct acccagagga gcctctcagg gactggccgg agatctccct 60

gctgaccgag aacgaccgcc actaccacat tccagtcttt taagtccgct gggggccgaa 120

cagcagtgtc caccagtgtc ggtggtcaca gttgcaataa agtctctctc tgaaaccaa 180

gctagcattt cagcatggaa ggaattagga ccttttcttc aggattacag gtacactgga 240

tgcagccatc atggatgggt tttctttatt tttcagtgtt ttcctctgaa gcagctgcac 300

```

tgatacattt gggagttggt ggcttgactt tgtccataag gggcgtgcc a ttcacatga 360
tggcgggcct ttaagagcac aaagaagttt aatatggaca acaacaggaa aaagcaagaa 420
gaaaacaagt agggaaaaac agctaacctg gagagaaaga atttctttaa cttttatgtt 480

```

<210> 475

<211> 201

<212> DNA

<213> Homo sapiens

```

<400> 475
cggatcacaa cttttactgc agccgctatt ttattgccaa tcagccatga gccccgcctt 60
ccatacacaa tgacatttca tccccacaat cgattaacac aaccatgata gccatgaact 120
cccaactcct ccagctgcta gtgctcaacg ggagagtccc ctccaggtct gtctcattgc 180
agagcccata ttctttctgc c 201

```

<210> 476

<211> 494

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (428)..(428)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (440)..(440)

<223> a, t, g, c

```

<400> 476
acatttgcct cggtttttat tgagtggatc tctcacgaca aaatcatgaa tattacactg 60
aaaggcttat tacattatct ttgtgtagtt actctccagt ataaaccctg tgatgttccg 120

```

```

gttttgatgc ctgggtaaaa gcttaagcat gcacgttaca tttcgtatgg tttcatcaaa 180
aaagtttttg atgcctagtg agactttggc ctgcggaaaa tctctatcac atataattat 240
tataaatgct ctttagtatg gattctctga tgttgatgaa tgtttgaagt cataatggtt 300
tcccactctc agtggttttg tttctctcaa gcatgaattt ttgcaatatt gtacaatgtg 360
agaattgtgc cagaagacct tgccacattc attacatttg ttaaggtttc tcaccagcaa 420
gaattccntt gaagaatccn ggtctcagat tttaccttaa gaccctgcc aattcagtac 480
attaggaaaa gttt 494

```

<210> 477

<211> 312

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (236)..(236)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (259)..(259)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (280)..(280)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (298) . . (298)

<223> a, t, g, c

[illegible]

<210> 478

<211> 252

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$

<221> misc feature

 $\langle 222 \rangle \quad (236) \dots (236)$

<223> a, t, g, c

 $\langle 220 \rangle$

```
<221> misc_feature
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 $\langle 222 \rangle \quad (247) \dots (247)$

<223> a, t, g, c

```
<400> 478
catagttcat agtttattac aaatgcatat tatccaactc agtagaaatc catcgtaccc 60
cagaatgtac agaaggtatg caatgttcca gagtgtcatt gtcagctctg gctttacata 120
tatattaaat atatatatgt tttgagacag ggtctcgtctg tcacccaggc tggggcatca 180
ttctaagagc cagaacacag aataacacct gataaaggta gcaattccag aataanccag 240
gtctagntca tc 252
```

<210> 479
<211> 525
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (306)..(306)
<223> a, t, g, c

<220>
<221> misc_feature
<222> (417)..(417)
<223> a, t, g, c

<220>
<221> misc_feature
<222> (434)..(434)
<223> a, t, g, c

<220>
<221> misc_feature
<222> (468)..(468)
<223> a, t, g, c

<220>
<221> misc_feature
<222> (487)..(487)
<223> a, t, g, c

<220>

<221> misc_feature

<222> (507)..(507)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (514)..(514)

<223> a, t, g, c

<400> 479

tttttttttt tgggtggggag gaaatctttt ttattttttat acatgacaag attttacatc	60
aagaatagtc agttaaatag tacaaattta cattcatgag gtatgtttta aaaaaatcaa	120
ctaaaaaacc cacttctttat tgtaacccat aatcccacat ttacagtgc aggggagaag	180
gggactggtg gggggcatcc aaaacaagtc tctgccaaaa gaaatgactt acatttcaca	240
ttccctctcc acacaggatc caaacgatga gagtataatt tacaattcat ctttttcagc	300
tgtagnttcc tttgtgtttt cttgtttttt ttcattctgtt cccacatcca tttctttgtc	360
tttgtcttgc tctttgtctt ctgctgtctc ctcagggtct tcggcggggg tcttcncct	420
ttgcatcagg ggtntgttca aactgaggga agggattctt tctattcnat ctccctatgg	480
ctttagngtc tgggaaaagg catcccnggc ccgnttcact ggtgg	525

<210> 480

<211> 384

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (17)..(17)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (368)..(368)

<223> a, t, g, c

<400> 480

```
cagcaagact gaaactntta aggagccatg aaggaagaag cagcagcaaa agaagagaaa      60
gaagaatctt atgatgaagc tgcagtagag gaagaagaag aaaaacagaa accaaagact      120
aaaaaagttg aaaaaactgt ctgtgaatgg gaacttatga atgatatcaa accaatatgg      180
cagagaccat ccaagaagta gaagatgaat acaaagcttt ctgcaaatca ttttcaaagg      240
aaagtgatga ccctgtggct tgtattcact ttactgctgg aaggagaagt taccttcaaa      300
ttcaatttta tttgtaccca cttttgttcc acgtgggcct atttgatgga tttgggatct      360
taaaaagngc cggttacatt tagg                                     384
```

<210> 481

<211> 339

<212> DNA

<213> Homo sapiens

<400> 481

```
ttttatattc ttcttttatt ggctgtcctt gtataataca aatcttcaag tttagataca      60
aaaaaaatct ggaaataaaa gatagaaaag taccgcagcag gcaccccttc cccttcttcc      120
cggacccctc ccagcgggc accgacatga ggtaactgcg catcttctcc tcctcctccc      180
tccccgcctc ctggggcccc aacttgccc tagcccccat gagaccttg cccaaggaag      240
acatgggccc caaagttgga gggatgatgga ggtgagtaca gcattggcag tgaacgcagc      300
gtgtgggcag agggcagccc ttagcttgtg ctgtgcatg                                     339
```

<210> 482

<211> 451

<212> DNA

<213> Homo sapiens

<400> 482

```

tttttatttt tattttctttt tattttaatga tgcaaaatac aaatgctggc ttgatataata 60
ttcacatata actttttctc tcacatttac aactcaacag atggtgaatc cagaggaaca 120
gctacaatca ctatacggag catactacat tagtgtttca aaagtttatt ccagcccatt 180
tcttcttttg tactctaaaa tatcttcatt gtgttgtttg atgagataga tccacaagaa 240
gacagtgggtg cccaaggtga acccaacttt cagccagtca ggtttgcat tcggcggctc 300
tcgcacgtag aactttgatc gcactgaagg gccgctcggg agcctggcgg gggccagcag 360
ccgggaaagg ggacgcagca aggcggacgg cgccatcttg cgtggcccag ctcagtctct 420
ccgagttggc aacagaacca gcgccacctg g 451

```

<210> 483

<211> 432

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (260)..(260)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (273)..(273)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (334)..(334)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (345)..(345)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (363)..(363)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (412)..(412)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (422)..(422)

<223> a, t, g, c

<400> 483

tgccagactt ttagaaatta agtagagcac attttaaata aagtggatt gctttcatct	60
ttacccatt tttgctgaat gcttgataa gagtttaata cttgggcact taggaccact	120
cttcatgttc tataactaaa aggaccagtg tatttgtaaa ctaactgggg catggcagtc	180
aaccagatt tgcagcaaat cttcacccat attgcaaacc agatggagaa cttaactatt	240
ttatggtatc tagcagctgn cttctttttg tgntcacatg catagagcta aaccacagg	300
ctgctgtgta cccctatgaa gtaagaggct tagnaatcat atttntccag gttttccct	360
ggntcacttc taaaatactc ttgaaacatt taaccaattt gaggggaaac cnaataagcg	420
ancaccagga ag	432

<210> 484

<211> 413

<212> DNA

<213> Homo sapiens

<400> 484

```
agcatttaat tctgatttta atttccataa aattaactct acaaagattt ctcaaagaaa      60
tctgaccgcc ttcaaactac atgtttgttt tgtattacat gtaatagatt tccacatatg      120
aaaaaatcat aaaatgaagg ctacgttttc caaccgctat ttaagtactg tttagaaact      180
atcgttgaat gaatgaacct gatTTTgcct catcgtgttt atctaaaaga gtctttgaaa      240
gatatttatt ttccattttc tttacacggt cctctttttt caatctgtaa ataaaaatta      300
atgagcaatt taggacacaa tatcacaaca caattattct gtaattgatc tgataaccaa      360
agacacataa gaataggatg atctatagga tagatgtttc cacacagcat ttg              413
```

<210> 485

<211> 196

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (184)..(184)

<223> a, t, g, c

<400> 485

```
cctgtttggg cccatttatt gtttattttg aataggtaat acagtcacat ggttcaaaat      60
tcaaaatgta caaaaggggtg taagtgttaa gacccttccc tctcctgtcc tcaacctact      120
ggttccccct ccccaaaagt aatcagtgtt acccatttat tctgaatagg gcatacatta      180
agcnattgat gtgttt              196
```

<210> 486

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (433)..(433)

<223> a, t, g, c

<220>

<221> misc_feature

<222> (450)..(450)

<223> a, t, g, c

<400> 486

gcaacagctc gtttgggagg ctggagtgga aacaaagggg gggcatcaaa gatgagaagc	60
caaagcccct acaactccag ccacccagcc aggaggggct gtccaatcac attcaggcat	120
gcgaatgagc tgggccctgg gtgaggtggg ggtctggcct agtggggagc ggcttggcct	180
gggtggggca gggctggcct ggtccagctg tgggctccat tccatcact gctgtccctc	240
ctgaggtctg gattggggat ggggacaaaag aaatagcaag agatgagaaa caacagaaac	300
ttttttctct aaaggactgg ttaaataaat tctgatacag cttacaata caatagtatt	360
gcagctaaaa aataattgta tggctttata tactaatatg taataatctt tcagggtgaa	420
aaagggaag ccnccagaaa tgttgtatan gcgcacttcc cattg	465