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tgggcacaaa	ctgaaggcca	ggcctcaact	agatgggggt	catggcatag	gactatgaaa	180
aagcacaaag	taacatataa	ttaaaaatga	acttgcatgg	taaagtctga	tgatgcggta	240
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ggtaagagag	aacacagtga	gattcaggag	ggagcaaagc	tcagtgattg	ctctatgctt	360
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tttcttttagc	atttgtataa	ctttgggcag	acctcttcat	caagcctgtt	tcactcactgg	480
taaaatgaga	ataaaagttg	gccatccttc	aaatacgggtg	atcaaattgg	ataaatgtac	540
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<210> 21
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 21						
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tatttacaga	attatcacta	cacagacata	tgaagagtaa	tgtatataat	cgcttcaaaa	360
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aaggaagaat	aaataagaaa	ataatctttg	gcctgtgggg	atattttatc	catctcttct	540
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<210> 22
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 22
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 gaatatattg aaataaaggg aaatatgaaa gaggaaggga gactacattg tctttcttay 300
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 ttaggcaagt tgaactcaat tataagagtg ggagaatgtt catttgggca attgtagggc 480
 actaaccagt tgattattgg atgtgacttt atagaaaaat cttctaggag acattggcaa 540
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<210> 23
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 23
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 tcaaaagttt ttagtgacgt tggcgatcat gtagtgacac ggcacattat tctgtggtaa 180
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 gcgtttttct ttcagcattc tttctccttc ctaatttggg catctgattt gctgtcgtcy 300
 gagaaattga ataatgcag ttgttagaat tgcattgaaa ataggaaatca atgaagcctg 360
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 gctacattcc atatgatagg gttttcctta agactgatcg aaagaattca tgaggtcact 480
 tgggtccgacc ctcttatgca gtatatgagg aaactatgac tcagctaata acaatgagcc 540
 aatatgtatt gagtatttat gatgggtccaa gcaatactgt acacgcatga tctcattcg 599

<210> 24
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 24
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 atacaaatta aagagatgac tatgatacag tgttgaaagg actgtaattg ggtgagtaag 180
 atggaacacc tagaacaggt atttacccca atcttgagta catcagggaa ggcttcctag 240
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 aggactagag ggagacttct tatgtcagac acggggtagg caggcctgta atagagctgg 480
 agaatatggc agcggctgct catgaagatc ttcaatgcc acaaaataag cttgggcttc 540
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<210> 25
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 25
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 taagagcttc tgtactgatg tctgattatg taatattcga ggtgtgccaa aaacttctaa 180

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aggcactggt	ttgcaagtaa	actgagtaaa	agaaacattc	atttatacaa	attgcaaadc	420
cttctgattc	cacagaagag	ctaatttcca	cattcagaac	acgtgaactc	ttcggcagga	480
tcgacttcat	tctacttcag	catgaagtta	aattaaatcc	tccagagaaa	ccaatttggg	540
gaactgtctt	tttaaaacac	tattttttct	tcttcttctt	ctaacagatc	tgggtccta	599

<210> 26
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 26						
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tacccaaatt	ctgcatttta	cttacatttg	atgataccta	ctaacttttg	ctaataattt	360
aatcgcacac	tttctacttt	gttttgatag	cacactgtta	atgcaaagtg	gtaatcatcc	420
ctaataaggg	gccactgctg	gaaaatgcag	aacaaggcag	aggaggccct	agcatggatc	480
caacctatgg	agaactgtca	gaacatttgt	gctcagcttc	cttggtatat	tggctagcag	540
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<210> 27
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 27						
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tggttagagag	agaaacagag	aggactccgg	tgactggtct	tataagggca	ctacttttat	180
tggatcagga	tgccacctgt	atgacctcat	ttaaccttaa	ttacctgcaa	atatagtcac	240
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tccatagcac	ctagggttag	acaaaatgta	ttagctacaa	tgccaacagc	atgatatat	360
aaaaaaaaaa	taaaccataa	actatcaagg	atctagaatc	agaaatgcca	tttgacccag	420
cagttccatt	actggttata	tacccaaaag	attataaatc	attctactat	aaagacacat	480
gcacacttat	gtttattgag	gcaactgtca	caatagcaaa	gacttggaac	caaccagat	540
acctatcaat	gatagactgg	ataaagaaaa	tgtggcacat	atacaccagg	gaatactat	599

<210> 28
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 28						
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aggtctagaa	gagtgtctag	ctcctttttac	atcattgcag	gtttgtgtct	agcaaaatta	180
aaccaattta	taaatgtata	aattccacca	atggcagtca	tatatgaatg	tatgtcccct	240
ggatcctcgc	cttcagtgat	tttttttaaa	aaattgtcta	ttgttttgct	agcttaattr	300
gcatacaaa	atacctaaaa	tttgaataac	tttcatttat	tttactatta	atgagtgtgt	360
atattgtgtt	tgccatgggt	ccttactact	tcatttctat	gatggaaatc	tacagaccac	420
aaccgtgagt	gaagtgtctg	gtcaagatca	taaagatgac	cagggcatca	ctggtaccct	480
caaagggcac	atagtataaa	tgaaggatac	aaacgtaaaa	ggaaaaccac	aacaaaaaat	540
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<210> 29
 <211> 599

<212> DNA
<213> Homo sapiens

<400> 29
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 tttttgcact taaatgatta cactctcacc atggtgcca tgcttatttc agtcagtact 240
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 aaactctgtg cagaggtgtc taaaaccta tcagaaagcc aaatgtttct ctttccttta 540
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<210> 30
<211> 599
<212> DNA
<213> Homo sapiens

<400> 30
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 agatgatggt agggaaaagg ctgaaaggaa aactggcaaa tacatgttct tcttaaggca 180
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 attttccagg aagaatgcag aatattatta ttaaacatct tatgcatttc atatatattcc 420
 tgtttataaa ttactttccc aaattatgta tcatgtttcc cttattgttc tcaaaattca 480
 gcattactat ctacttttt tctcattttc agagattaaa gtttaagaaaa attaataatc 540
 tgtgacagaa gttctgcaat ttatagcaac tcacacaaga gcctgctgaa atacattat 599

<210> 31
<211> 599
<212> DNA
<213> Homo sapiens

<400> 31
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 tgcaccaaca gtataattaa gttgaattag aaatcagagt agcagttcaa tcagagaaag 240
 aggtgccacc taacaaattc ttggggcacg ttatgtagcg gataaaaaca acaaaacaar 300
 caattcaaga cccatgaggg aatttatgat agaaactgga agtttctcag ccagtatcaa 360
 tgcattgata ttagagatgc aaaaaagaga tgaataagga agtatcttct tcttaaaata 420
 atatgcaaca ttgttttact agtcaacaaa ctttcatgtc cataccctaa aaatataccc 480
 atcaaaatag atattaccag acagacaatg actaactata gttacagaat tggaaaccta 540
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<210> 32
<211> 599
<212> DNA
<213> Homo sapiens

<400> 32
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 atatttggtg aatccactgt tttcaaagaa aggcaattcc attattgcca aaacctatgt 360

ttgttgtttg	gtttggatga	ttttctagca	aagacttgct	tcccctactt	tgatctgttt	420
ttctcccctt	cttggtctgt	ctgtcccact	tttcgagcct	agtttcacct	ctggattttc	480
tcagtcatat	ttcttttatt	tcgatagggt	aatcagctaa	cacctctgcc	gtgtgggtac	540
ccaaaacagc	aaccaggtta	agctgagcct	ttccccttta	ctttccaatc	tttgaatca	599

<210> 33
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 33	
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gtagaggagg	tgaagagccc
gataagggtg	agacctacca
gaacaagaga	gatgaatcct
aactacttac	cttttttttt

<210> 34
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 34	
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aaaaattgtc	atcatagcta
atgtctgaca	ccatttgcac
gacctacta	atagaaattt
ttcaacctaa	ggactttgta
gttacagagg	cagttgaggg
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<210> 35
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 35	
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gactgtcata	gggatggata
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ggtccagctc	atccatggac
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ctttgttgct	tctaattctat
attaacctcc	ctgaaggcag
aaactctgtg	gaagatgtta
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<210> 36
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 36

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atcctttccc	actttcccca	gccaaactgg	ctgactcact	ctctcaatgc	tcttcataga	180
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cacgtataac	caattcaaaa	tctccaaagc	catcaagatt	cttgggcctc	tccagtctgy	300
ggaatcgtac	ccacctttga	atttttattg	actctgctct	attcaactgg	cagtggctta	360
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tcactgtggc	agcacaaaag	gggtaagtga	accgaacatg	gagtcctgta	atcacaggct	540
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<210> 37

<211> 599

<212> DNA

<213> Homo sapiens

<400> 37

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gacttcatga	acatttaagt	gcatttacca	caaacggata	atgttattta	tgttttgaa	180
taaatagagc	tgaaataaat	atgattacta	cctgcaagta	ttaacattaa	gaggtagtga	240
aattccttgt	attgaaaagt	atatatatct	gaactttttg	cttgccacaa	gtcttgaatr	300
acaagtaaca	aacatctatt	tagaactcac	tgggatcaag	gtcctatgaa	taagaaaatg	360
ccatatacaa	agagaaaactg	gactcctatc	tttcaccata	tataaaaatt	aactcaagat	420
ggattaaaga	cttaaatata	aggcctggaa	ctacaaaaac	actagaagaa	aaccaggaa	480
aaacgcttct	agacattggc	ctaggcaaat	aattcatgaa	taagacctca	aaagtagatt	540
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<210> 38

<211> 599

<212> DNA

<213> Homo sapiens

<400> 38

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tgcttctgtg	ttcagtcctt	gaagctattg	ccaccaccag	ccacttggtg	attcattagt	180
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taaaaatgcc	cttctctgag	aactattatt	ttcaactaac	agaggttgag	tacctggaga	540
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<210> 39

<211> 599

<212> DNA

<213> Homo sapiens

<400> 39

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ctagggtact	aaatgatacc	tccctatttt	gaatatctga	tgggtgggtg	gctttaagaa	480
atctaccaga	cctgcttctc	ctcccatgat	agtttatcaa	ttccattatc	attcaactaa	540

gtagagtggc ctagaattgc ctgagcttcc tgaggaatta aagataatca tcatcaata 599

<210> 40
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 40
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 gcatttggtg tgtggtaagc aacatgttag gtaggttatt tttactttaa ttcaccgttc 180
 cttccaagct actggaatgt ccctcttcca aatgtaaagtg tgaacaagga aaaacacgtt 240
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 gttatgaaag gaagtactaa agaaaaagag cctgtggtcc taaagggccc ctcaatctca 360
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 ctgggcaata ggttagtcaa actaagactt gactaagagg ctgatacataa taatgtaatg 540
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<210> 41
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 41
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 catctcaaat ttcttttcaa ggataattca agtagggaag cccttctgga aatacaggac 180
 ttgaaagcaa ataaaggcat tctattaaga attactaaa attaatataa gaatatattc 240
 cattaatttc aattttaaatt aataggggca tattataaga cattggtatt actaggatgy 300
 tcaacacgaa tagttttaaa atgaatgtaa aagcttccct ctcttaattgt tttatataat 360
 gcaattaaaa aaggaattca tttagctata atgtgcacat atataatttt aatataatta 420
 tgtgtgtatg ccacagctat ccattttacag atttaactat gtataatttt aaaaatttaa 480
 gcacatacaa atataacatt tataaggact tattttatttt agatacatac atctatgtat 540
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<210> 42
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 42
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 tatattactc ctagcataat acacgcaaac acacacatac acacacatat atgttttagta 180
 caaatatata tatgactcta ggtcatatat atactctagg agtataaaga agagacactt 240
 aatctagcca cgtaaatgga cagctgggag tggatggtgt gtttgagatg agtaagagay 300
 acattaatta gttaaggctt tctggatgaa gtgaaaaact taagcaaaga aacagtcaca 360
 taagtaggaa aatgagatgg tagaaagaga tggaaacatga tgtcagagag aaaatggtgg 420
 tatcatgaag acatttgtga aatgtattta tagataaaag catgaattga atacctatag 480
 gatgccattt gaattgaata cttataggat gccatttgaa aatttaagat gggaatacc 540
 tgaccagatt tatattttct gcatgtaatg taactctggt atatagttgt gatatgctt 599

<210> 43
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 43
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 tatttgcatt ctgggtgtct ttttctgttt tgcctccctt tgatgatttt aggaacttta 120

cggtgaattc	atctcagaaa	tactgcttca	cgatatccag	ctataaatct	gaaagacaga	180
atctgagaaa	caggccaagt	ctagaaagag	gaagacatac	ttagggaaat	gaacacaaac	240
actactgtac	caaatagaaa	atacgcaagt	gcagatgaga	cacactgcct	ttatcttcay	300
gttattccac	atagtaaaat	gaattccagg	tggtttatga	gagttgcata	aaaaagttac	360
accacaggaa	tcatggaaaa	attttaagta	aagtcctgtat	ttatacgtag	ggatatgtat	420
aattatataa	agcaaatata	agtcctctga	attagatctt	acttgtttaa	tgtatgagga	480
aaataataca	gtgttatctt	ctaaagtagt	tgcattgtct	gatgcttgag	gaagcaatga	540
gagatgaaaa	atgggaaatt	ttacatgtaa	tcactgcaac	aactatgagt	acaactgag	599

<210> 44
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 44						
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agattctaag	caaatacatg	caactgaaac	aaacatgtgg	gttgttttgc	acatccagaa	120
ataatatcgt	atactcatta	aaacaatcag	gttttttggg	gggaatttta	atttcatcat	180
catagttata	tcctctgtaa	aacagatcca	gaagtttaga	aacacacctt	gatttatatg	240
tgtttgatat	ttgaccaatc	agcagaaact	caaagaattt	acaggctgaa	aagacaccam	300
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aatagcagaa	ttagttaatg	gcagagctgt	taccagaaaa	gagttccgat	tggatcctgt	420
gtgttcggat	gcttatctat	ttaccatgtt	tgtgaataaa	ccatgcaaac	cgtggcagaa	480
gtgaggatgt	tagcatttat	aaatctacaa	gaagagtatc	cacttagaag	aaatagctag	540
gagaaggtcc	ctacaggggg	agcttgcttg	acatgatcaa	gaaagtcttc	atagttgga	599

<210> 45
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 45						
agaatagtag	aattttaaatt	aatatgacta	actacaggtc	aacctaatata	tccataagag	60
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acattaaaaa	tatacagggt	taagggactc	gatttttattc	tcagatttct	caaagacaca	180
cactagcaat	ttagatatac	ttcttatctt	cattgtttgc	tacattgtag	gaaaataaaa	240
acccataaag	aactacacaa	catttacttc	ataaagcttt	tgtttaaaac	ttgttcctay	300
ctcaataaaa	tgattataat	tgttgtcttt	actcactact	tatctttagt	ataaatcccc	360
tgaaactatt	ttactggatt	aaaatctgta	ctgttgtgat	aaatctagat	gaaataatct	420
tattggaaat	atattaatgt	aatgaattaa	tgattaaaaa	aaacataata	ttttaataga	480
atggtatttt	tcagtgaaca	aattatttgt	gttccaaata	taaacaccca	tagtggtatc	540
agattttcat	cattcattat	ctatgaatgg	agaattttct	gttttaaattt	ggtaaccta	599

<210> 46
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 46						
ttaacccagc	actacatccg	acagctgtaa	gggctttcag	ccataataaa	tctctgcctg	60
acttcccaaa	gcaaacagtg	ttgaggagag	tgatccctcc	aataacattt	tgctagctca	120
aatcaccacc	ataacataag	tgattcagac	agtcctgaact	gactccaggc	tttccaacct	180
ccggtcttta	tttctatttt	tcttttactt	atgaactggt	cttaatatct	tgaagactct	240
gaaaaatgtt	gtttcattcc	ttgagattgg	cggaatgccc	atttaacaag	tggtttttty	300
tccccctctc	tcttttgagaa	gattctgcct	cgtgacctga	ttagattagt	gcatttgga	360
acaaagctta	ttcaggctct	gtaattttaga	aaaaaaaat	aatagaatag	ctaaactcta	420
atagtataaa	attaaaacat	tattagtaaa	tatttttggg	aattaaggga	aacaatgtga	480
ttttccttga	tatgtttaat	tccagaaagc	ctgatgttca	cacagcatgt	aactatctac	540
tgtgtatgta	catcagtgct	gccctaaact	ttttggcatc	agagacctgt	ttcatggaa	599

<210> 47

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

<400> 47
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 aaatgcatca ccagcagggtg cacacttcaa agcaaaacat ttctgtgaat ccctggcaaa 120
 aataagggtg tagcctaggt tttgtaagac agcagtggca gggaagagga tgagtgtac 180
 agggaaaacc agccagaagt aaagtactta cagaagatct tatcttccca gatgaaatta 240
 tccaggcttt ggggtgcacag aatatacaat gcagagggtga acagagaaat caaggattgr 300
 gcaagacaag acaaaaacaaa tgaaacacca caaacaatac aaattaatca aaagatgaga 360
 cctgctgcaa tgcttcagga tcagcaatag ccaatagtct tttctagaaa atcctgaacc 420
 cgaaagtggg tcccttttaa gttttgcaaa ctctgggagg cgatgacagc ctctgcaga 480
 ttggcctttg gctgatcaga ttccagcagc tcattcacct ccaaggccag gttctcatct 540
 tatacatcag tggagctttc gcttaggtga gggcccatat ggtaagtttt actgtgcaa 599

<210> 48
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 48
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 tgtctaacct ttgaactgac cgatacatca atctgaagca taatttagtt ctgtctgagc 120
 tcttggttac agcatgaata gctggcttgc tcatattata ccagtctcca aaataatact 180
 ttatgtgctt gtttaaaaat agtcattttc ccttcccaat ttaattatgt atgattattc 240
 gataagggga tgccagagct ggtgtatagt tcctacactc ccattctgat aactctactk 300
 ctatctagcc ttgatcctgc tgttatttcc tgatattcat cagaatccgt aaagcagcta 360
 ctctctggag cctcttttca caccaaagag aaagttgcac ccagggttc gctcaggtga 420
 ggagagatta agagagtgat gcacaggcac aagcgccac attgtgatgt gctgcggttg 480
 tcgagtaaca ttgtagcatt caacaaaata gccttattct gagggagcct cctgtggagt 540
 ctctttttgc aagctggaga aggttcgtag cacacaaaag tccgattttg taattcctt 599

<210> 49
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 49
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 atatatatgc tataataata cgtaggattc aaagacgatt cttcatggga gtccacccca 120
 tgtgtatttc agtatagtag ttttttttaa atttgtctca ttctgtggac taggaaatgt 180
 atcagtctct cactagttct tacattaatt gatcaatccg agatgtactc acatatgatt 240
 tgaatttaga tcccatatct cctgtaggag cagcttggat ttcccacttt tcaagagtr 300
 ctcccttttc acccagggtc gcaagtagat caccagtttc tttgcagttc cctcagatga 360
 aaatagttat ttagtccctg ttgtagagac agatcaatat tttgtgcctc tgctttatgc 420
 atatatctca gttgtagggtg ccacattct taggacctga aatcctgact accatttttg 480
 agggttgtag aatttcatgc tccatacaat acaaggagtt agacttggaa agtaaatgca 540
 caggaaatga ccacacagga agtggaaga atgagggtcta tagaaatagt tagagggtga 599

<210> 50
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 50
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 gctgacact tgaggttagg agtttgagat cagcctggcc aacatgggtg aaccccatct 120
 ctactaaaaa tacaaaaaaa aaaattagct ggacaagggtg gcacatgcct gtaatcccag 180
 ctactcagga ggctgagtca ggagaatctc ttgaaccggg gaagcggagg ttgcagtga 240
 ccgagatagt gccattgcac tccagcctgg gtgacagagc gagactctat caaaaaaam 300

aaatcatgaa	tgagggacat	ttttcacttg	agagatgtct	tctattttgt	agtaaaaaca	360
cacttttttag	tattttacctt	tgggtcttat	atctcctcat	cagcctctgt	ggccttggtg	420
ataaaaactat	ttaccatcct	ccagcattct	tcgtgaatct	ctccagattt	atttctggtc	480
cattggccctc	aaggggagaac	cagctttctcc	cttcactcat	cagcctctgt	tgatcagacc	540
tcctggggagc	accaccctgc	ttctctggca	gtgcacctgc	tcctttgtaa	actagcata	599

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<210> 51
<211> 599
<212> DNA
<213> Homo sapiens
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<400>	51						
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agatcacacc	actgcattcc	agcctgggaa	atagatagag	actctattgc	aacaacaaca		120
acaaaaaatt	caaccctcct	ttcaatcaaa	acccgtaaca	atattctaag	ccagagttgt		180
gtaaactact	ggaatgtatc	tcttttcctt	caaggagaaa	aagataacat	ccttgctact		240
gctcagctat	caagtgaagg	caaaagcagg	tcaagatgaa	tttaaacaaa	ttattcaaar		300
ttcaatatga	aataggtttg	agactccatt	atggttggca	acaagtcatt	aacaggtagg		360
atgcaaatag	agaagtttag	aaaattgaaa	agctgtgagg	acgttgccct	gtggtatatc		420
ctaaacaaca	gcattgggag	tgttttcaga	gttcittatgt	gaccaccgaa	gtcctgccct		480
aaccaacact	aatgctgctg	cttccagagt	agcaataatg	ggtgtgatgt	ctttgactgc		540
acattttttt	tttgtgatcca	ttcaaatttc	tactctcccc	atatgacttt	gtaatccat		599

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<210> 52
<211> 599
<212> DNA
<213> Homo sapiens
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<400>	52						
acaaagaagt	aaaatttatg	tgtaggtgaa	actgataact	tcacagaata	agctctgtga		60
gattttttcc	tagagatggt	tcacactttg	tagcaagagt	gagtcattgt	ttggaagaga		120
gaacctcaaa	ggcactggtc	tccctgctaa	tgttcttgca	ttcttacagt	ttttaccct		180
cagagcagca	aaggaacacc	tttaaacct	aaacatcaga	tccctgccct	gcttaaagcc		240
ttctaatagc	ttatctatac	actgataatc	aaacaagttaa	aactagtgca	tgttttacam		300
agtcctatga	agggcaacat	gaactagtag	ctgcctatct	ctccagcatc	acttcctgcc		360
actgactcca	tgctttggct	cacaggggaa	taagccaagc	tcattggcctc	agggtctttg		420
cacttgctct	ttccaccttg	aatgctctcc	ctctgtattt	ccccattggc	ttctctctca		480
cagcaatttaa	gtctctgcta	aattgccttt	gctttgagaa	actttctctg	cacactctat		540
ctgaataaact	ctcttctctaa	gccccaacca	cctcattctt	ctctctagca	ctacctgat		599

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<210> 53
<211> 599
<212> DNA
<213> Homo sapiens
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<400>	53						
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ttcacaatgt	attctcctat	aaacaccaat	taatggtaac	tattatattt	gattcactcc		120
atgtgatatc	gtctccaaat	tttgaggaat	atgatttgat	ttctaattat	tcagacattc		180
taaaatttcc	aacttgaact	agtaccccct	tccaacgatc	cttacttaat	aaatattttt		240
gtcttccaaa	ttattaacat	ttccctttct	aagggctcct	tttctccatc	ttgctattar		300
caattctttc	caaaaaacaag	aattccaaaa	gcaagaattt	ccaaaaataa	gacagaataa		360
aacaaaaact	tcctccatcc	tttttacact	actaaaaaatt	ttattccaaag	aattgaccac		420
tcctttctgc	caggtgcagt	ggctcacgcc	tgtaatccca	gcactttttg	aggctgaggt		480
ggatcacttg	aggtcataaa	ttcaagacca	gcctggccaa	cataatgaaa	cctcatctct		540
actaaaaata	caaaaattag	ccgagtgtgq	tgccatgtgc	ctgtaatccc	agatactag		599

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<210> 54
<211> 599
<212> DNA
<213> Homo sapiens
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<400> 54
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 tttccaagtt gctttggatc agcttcttac ccataccttaa gtctgtttcc atttctgtaa 120
 agcaaccacc ataacgtgtc ttttgctggt tgttgtaaga attaaatgag gcaatgaatg 180
 taaagtgtt ataataaata gtagctgggt aatgaggaat tactactatg atttggtttt 240
 aaaaagtaaa attggtggca gaatttggag ggcataatgat gagttcagag tgatacatay 300
 ccagtaagta tttagaaatg tacgaccaag gagagcaaaa gtcccaaag ggaactgcta 360
 agtctagaga tggtagttga atccagaaac acgatgata gagccttcca agggggcata 420
 tatagagatg acagctgggg acagatcctt gagaaatacc tgaatttaag cagtaagaag 480
 aaaagccaga aaaagcacac aggaactttt aaacataaga gacacatctt ttaaattttc 540
 ttatttaatt aaattagtat catttgctct atttatgaaa aaaatacaaa tttgaattt 599

<210> 55
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 55
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 caagatgaaa gcataggaac cttcctttca tctgatattc taggaatctt tgaaatgttt 120
 gtatttttgc tcagtttaat attgtttgaa taaatctatg aatattttta ttaaaataaa 180
 gattagctct gcagaacaaa ttcagtgaac agtacttcaa aacttaaaag ataataggtt 240
 aatttttatt tacaagtagc atggtatatt gtgggaaggc ggatatggca agcccacacm 300
 gttataattc caagtatgcc attaaaatag ccacaggaga ggtaggatca acatgttctg 360
 aattgtcaaa tgaatgagaa atcctgagcc ataagtgaag ttttctcatt aggttatagt 420
 atgtttatag atttcaagac tgtgatttta tagtagctat gaaaatattt tcagataaat 480
 gaaatatatt aaaataagct taaactcaaa taactgaatt atgaattatt atggaaggta 540
 tctagagcat tcttttttgt tgattttctt tattttattt ttttttttga gacagcttt 599

<210> 56
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 56
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 atgaaatagt tttttaaact attttaaact tgaggcactt tttaaacaaa ggtttgacat 120
 aggcattgatt ttttaactgag aaaaatatct agccaagtgt gatataaaaag ttaaaaccac 180
 acctcaagaa taggcatttc attttttttt tttaccctga gcaaaaataa atgatctatt 240
 ttcaaataat gtgtatgtgt gtgtggacac ggatggggag ggattgggtt ttatacgca 300
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 gattgaagtg taaatgaatc atgaaatata tggattaaat atgcctggat ttattacaca 420
 taattaaaaa ttttaagact gctttgggca aaatatgact gaggttttct attgaacccc 480
 aaacactcag aaacattgaa acattgtaat accaaatctt tccaagtttg taaggcctaa 540
 aatttctatt gatcctatta tatattttcc cttagaaaca tatcaatgct tattttaag 599

<210> 57
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 57
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 gtgtctgaaa tgtgcaggaa ttttctgcta cctgagatac acttacagat gaacatagac 120
 atggtaaaaa aaaaaaaaaa aaaaaaaaaa aagtactcaa tgcattctct gctatatagg 180
 aggacccttg aaaggtctgt tgagtgaata gtaaatgttg ctgcatttct tttactttta 240
 caggtttcct ttggggagtc tagaatttga taacaatcc gaccattgt gttgattgk 300
 tacctaatat gatcaaaact cttttcgaga caagccagat tgagattcca acaggtttg 360
 tctattaagg acaaatgatt ggataaacag gtttctctct ctctctctct cctcttttct 420
 ctctctctca tacacacaca cacacacaca cacacacaca cacacattta tttatttaaa 480

atattatttat aatgctaaga ataaagtgat aaatgctcag gagatgtcac agtgcattat 540
ttacattaat tccttccttg ctggatgaac cagcaattcc catgaaagag ctgaaccta 599

<210> 58
<211> 599
<212> DNA
<213> Homo sapiens

<400> 58
tacacacaga cacacagaca cacagagtgg aatattattc aaccttacaa aaggagatct 60
tgccatttgt gacaacatgg atgacctgaa catgttatgc tcagtaaaat aagccagaaa 120
caaaaagaaa aatgctacat gatctctctt atatgtggaa tcttaaaagt tgactatgtg 180
gaaacagaaa gtagaatagt ggttaccatg gatggggagg tggggaaaag gggagctgtt 240
ggtaaagggt tacaaggttg tagttatgta ggaggcataa tgtacagcat gagggactay 300
agttaagaat actgtattat atactgaaaa tttgctgaga gagtagattt caggtgctat 360
caccacacac acacacacac acacacacac acacacacac acaaaggtaa ctatgtgaga 420
gatatggtaa cttgattggc taaagtataa taatttcaca catgcaaatc aaaatatatt 480
ttgatataca ttagtaataa atgtatatca atttataaat gtattataaa acttaaatat 540
gtacaataaa attaataaaa atgaatttaa aaaatagttc tgcatttcaa aagatccca 599

<210> 59
<211> 599
<212> DNA
<213> Homo sapiens

<400> 59
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tcccatacca gaatctggtt tgctaattct tttttctag ctttagatat aagtatatca 180
taattttatt aactaatacc ctacagatgg acatgaattt tgttgcaaaa tttttgtgat 240
tttaaagggtg aaacagtttg ctttgtaata aatcaagtta tccagtacat gtttcaaaay 300
agacattaga gaaatccctg gaagtagaag agctgggtta aaagggttagc aacatctgta 360
attttgacat atataatatt ttagcagtgg gtatttattt ctagataaat taaaataata 420
ataatgatac agcgcaaaac gataaaagct gaaaggaaaa tatgggtgagg tataaatgta 480
gaaaggacag agatttctcc tccaaatact gtttctcttg gcccataatt taatcattaa 540
aatatcaaag ataaaattgt agggcaaata aaatatccca cttggacaaa aatcagtay 599

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

<400> 60
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ccattttaag aaaattctgc aactatctta atgtttataa atttatttcc aattgtgttt 120
gttaatcaga gaagatttta agcaattata gctaattata aatcacattt taccagagtt 180
atctaattat gcagcttggt cattctgtgt cacagtaaga tatgtattaa ttatttcatt 240
cctctctcat catgacacag tacagtctga gacctggctt cagtcaccac tttctcacan 300
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gcatectgga tatagagcgc tgggtattgt ttcacctgtt aacctctcc tctcagatct 480
gcttgaaaac aatctcccaa catgcatgta actagttaga ttttctcccc tacaagttct 540
ttctcatgga aatcctttcc gagaaaaataa gcctgtatgc acagacagac acacagaca 599

<210> 61
<211> 599
<212> DNA
<213> Homo sapiens

<400> 61
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tgtagagaat	tacttcaaat	tgccattact	ttgtaaagac	gagcaciaag	gtttattgct	180
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agaagccaga	agttagttag	aaataatctc	ccgtttcctg	ggaaatttca	tcaatgtatc	420
tatataacag	aaatgactac	atgtttcttca	actctttaag	tgcatatttt	ccaaaactcc	480
agttagtatc	tttatgaata	tttaggaaaag	actgaggctg	tatcgagaaa	ttttctgtaa	540
tagacaagct	atgaaattgc	tctctccttt	ctcaccttca	aatttagagt	gtggcccat	599

<210> 62

<211> 599

<212> DNA

<213> Homo sapiens

<400> 62

gattttcttc	cgattacaaa	aatgatatat	gctcactgtt	aaaaaaaaact	gtgaaaataa	60
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taacattggc	cacttttatg	catattatgt	gtacacatag	atttacagtc	ttacgttgaa	180
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<210> 63

<211> 599

<212> DNA

<213> Homo sapiens

<400> 63

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<210> 64

<211> 599

<212> DNA

<213> Homo sapiens

<400> 64

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<210> 66
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 <212> DNA
 <213> Homo sapiens

<400> 66
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 aagataatct tggaagatga ttctgtccct gttgaacttt cagatgagac ttcagtccca 360
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 <212> DNA
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<210> 68
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 68
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 aagaagagca tttcaaaciaa gggaaacagc aaatgcaaag gcactgaagt gggaacatgc 240

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<210> 69
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 69						
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 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 70						
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<210> 71
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 71						
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<210> 72
 <211> 599
 <212> DNA

<213> Homo sapiens

<400> 72

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<210> 73

<211> 599

<212> DNA

<213> Homo sapiens

<400> 73

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<210> 74

<211> 599

<212> DNA

<213> Homo sapiens

<400> 74

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<210> 75

<211> 599

<212> DNA

<213> Homo sapiens

<400> 75

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

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 <212> DNA
 <213> Homo sapiens

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

<400> 78	
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<210> 79
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 79

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 <212> DNA
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<400> 81						
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 <213> Homo sapiens

<400> 82						
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acactattaa	acgatgtaag	agtatttctt	tctagccttt	ctctatgaat	attttatatr	300
cctatgtatt	ttgtattaat	acatatata	tacattcatt	caataaaaaa	cccatgctgg	360
gcgcagtggc	tcacacctgt	catcccagca	gtttggggag	ccaaggcggg	aggatcgctt	420
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aaaacattag	ccacgggttg	tggcgtacac	ctgtggtccc	agctacttgg	gaggatggct	540
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 <212> DNA
 <213> Homo sapiens

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 ggtaaacctc ccctctctca tagccttttt accttctgtg ggttggcgag gctcacattt 540
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<210> 84
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 84
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 tggcagacct ggggcaggat cccagggtctc ctaaccccca agtgagggca ttccacactc 180
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<210> 85
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 <212> DNA
 <213> Homo sapiens

<400> 85
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 aaccttccag gcccctagac agaagcatga cagcatgcac agcagcatcc cttcagggtc 540
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<210> 86
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 86
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 cacagatgag gactcagcac agagaggcta agtgacgttc ccgagaccac acagctggca 180

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ggcccagggg	ttgggagtag	gcaagttggg	cccaggaagt	tgggactggt	ctctggagcc	540
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<210> 87
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 87	
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cagggccag	gaatcagaga gagcagggcc caggaatcag agagagcagg gcccaggaat 180
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<210> 88
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 88	
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cattcattca	gtcatgaatg aatgcattga gtatcttctt tcttctaggt gcttgctgg 120
atcctgggga	gcaaaaaaat cccagtaccc agcaaatgag tcaatcacct ggtccctgc 180
cctctgttag	tggttgtggg gaagcctggt ggtggtgaca aacctctctg tctgggtagg 240
cttctgcagc	tcagagtctt ttgagtacaa ggactgtggg aaatctcaga tcccaaaaagy 300
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tgcagcccca	ggcagaagcc ctcttctcag tatcccaaaa aggcaagcac cgaggcacct 540
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<210> 89
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 89	
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<210> 90
 <211> 599

<212> DNA
<213> Homo sapiens

<400> 90

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gggacctgag	aggggcctga	aggccctgcc	tgctccccag	agccttcccg	gcacctcatg	540
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<210> 91
<211> 599
<212> DNA
<213> Homo sapiens

<400> 91

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gaaagaacca	ttaaaatatg	tattatatca	agaaaaactc	agtttcaagg	caggacatag	180
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ccaacaaagg	agaaagcaga	atatagaaaa	tctcaccaac	ctaagagaag	acaggaaaga	540
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<210> 92
<211> 599
<212> DNA
<213> Homo sapiens

<400> 92

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

<400> 93

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<400> 99
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<210> 102
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 <212> DNA
 <213> Homo sapiens

<400> 103
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<210> 104
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 <212> DNA
 <213> Homo sapiens

<400> 104
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<210> 105

<211> 599

<212> DNA

<213> Homo sapiens

<400> 105

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<210> 106

<211> 599

<212> DNA

<213> Homo sapiens

<400> 106

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<210> 107

<211> 599

<212> DNA

<213> Homo sapiens

<400> 107

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<210> 108

<211> 599
 <212> DNA
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<400> 108
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 agtctccaga ggccaagatg caggtgcctg gcacctgggc tggctgaaag tggggaatgt 480
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<210> 109
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 <212> DNA
 <213> Homo sapiens

<400> 109
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<210> 110
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 <212> DNA
 <213> Homo sapiens

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 aataataata ataacaataa taatatatat aaagcactta ctagtaccct tggcacatta 480
 gtgctcaata aatattagct actattaatc aatcaatcaa caaatatgta ttgagcatcc 540
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<210> 111
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 111
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 ccagctgtca gatgagaaag gatttattta ttgatgtatg tattttacta gcagcactgg 180
 cattagagtt tctttgtcag tgaggggttg agtgatgggt tgattgaaat gaaggttgct 240
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<400> 112						
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 <213> Homo sapiens

<400> 113						
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 <213> Homo sapiens

<400> 114						
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 <213> Homo sapiens

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

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 aaccttgtaa cctttgtaat aaatctgcct ctgcctgatt tctcactgcc tccttttctt 240
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 <213> Homo sapiens

<400> 122						
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ccaactgagc	taattacagt	ggagtcagat	ttgattctgc	ttacatggag	acactcttag	240
ctgttcatac	aacattctta	aaacagtggt	gtcctaagat	actatgacac	aacacacttk	300
ccaagtttac	taatgatctc	atcttttaaa	aatcttaatg	taatgtagca	aacagatgtg	360
tcccttaaga	ggattaaggt	ggaaattcat	tagtgcaata	ataccagtg	atttgtgttc	420
taaaactaac	accaatcaat	caacttagtg	cacattctat	cttagcacta	cttagcttcg	480
agggaaacac	cagagaactg	aacagccagg	tcttctccct	cagggaggtt	atctgagaac	540
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<210> 123
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 123						
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ctgaatactt	tcccaagtca	ttaaataattc	ttggagcaca	tcactcttaa	tgacagtttag	180
gtaatccagt	ctatgtatgt	accatgatcc	atgtaaccat	tgttcccagg	ttccatgagg	240
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atacagatag	tgctataata	catacctgca	gaaaaataaa	tattttttct	catatttgat	420
tacttcctta	agacgaattc	tcaatgttta	gttgctgagt	tgaaggataa	agatttcac	480
ttggatagga	gcagttaccc	tcatttttaag	cattggaggt	agctggaaaag	atggtctcta	540
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<210> 124
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 124						
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gggtgggtat	tggggtcttc	tcttatggag	ggagaccagg	ccagacttaa	ggcctgcagt	540
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<210> 125
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 125						
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tcagtatgcc	tcagaagagg	ttctcagttt	acagtgaatg	gcagtgatgc	tttaatgtac	180
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tgggcagata	aacttattta	tgaattaaat	gttaaagagg	gaggaagatc	aattattttt	300
tgaaaaaaaa	ttatcaccaa	tctgcaaaat	atataccag	aagtttctct	gttttttagag	360
acacatagta	acaaatggaa	tctacattgt	atctattttac	aaactggaaa	catccaactc	420
ctcttcacca	gttagttttg	taatctagat	gttaaaatgt	tagactccaa	ggaaaaatgt	480
ttagagttta	atgttagaaa	agaaaatcct	aaaatttttg	atcaacttga	aaaaagggaa	540
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<210> 126
<211> 599
<212> DNA
<213> Homo sapiens

<400> 126
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acacagatcc cactggcaag actggatccc atgctgttct tacaccagcc atttccaaga 180
gaatgaggcc accataactg gcttaggcca attggtagga cccttcagga ggcagaacct 240
gggaacctag gcagggctct gccacagga agaagcaggt gagcgtgtgg ggggtggcgr 300
tggttgtcaa aacccaatat acagggaaca ttacaggaag agtcacttac tttacaatca 360
tgtcatttca taaacatttc ttgacataat tagggaacaa gaggcagcat gaaggagcac 420
agcttccttg ccattccccc cgccacagtg agacgcctgc aaggacacag acacagcctt 480
tccatcagcc ttcctctgtg gatcccccac ccacactgag ccagcaggtc aatggggaca 540
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<210> 127
<211> 599
<212> DNA
<213> Homo sapiens

<400> 127
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tccttttagg ctccacttga aatcccttct tgctggacaa agcccttctt acccagttcc 120
cactgggcag attgtctcct ccttcatatt ccataagct ccctccacat accttctct 180
tggctcaaat tctttaagaa atgtacactg ggtgcaaact gtgtaccagg cacatggtag 240
gcattgagta aatgtttgtt gagcccattt gctcccaaag catttctgac tgtgtttatk 300
aaaacactat tgggccatgc ctgtaatccc agcacttttg gaggccaaag tgagtggatc 360
acaaggtcaa gagttcaaga ccagcctggc caaatggtga aaccctaact ctactaaaaa 420
tacaaaaatt agccgggcac ggtggcaggt gcctgtaacc ccagctactc ggaggctgag 480
gcaggagaat cgcttgaacc cagggggcag aggttgcagt gagccaagat tgcaccacgg 540
cactgtaacc tggtcgacag agtgagactc cgtctcaaac aaaacaaagt aaaacaaa 599

<210> 128
<211> 599
<212> DNA
<213> Homo sapiens

<400> 128
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agacgtactg atactgaaaa attcttcggt gtgtatctga aattcaaatt gaatgggaac 180
gttttgtact tttatttgct aactctggct gccctacact gagatttgtt aagaaacagc 240
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aattccactc agtgagttag gttggagtcc tggttccctc cgaggctgaa gaggcctgag 360
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tccactgcgc acatttctac cctccctctc tataattcct ccctgtctga ctgagttttc 540
tttgtatatt gtgttctgca gaagaaaaag gcaagattgg acacagaaga gggaaaaag 599

<210> 129
<211> 599
<212> DNA
<213> Homo sapiens

<400> 129
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taactgccc ggagtggact tacagcaaga ccatgtgtag actgggaaac tcttggttct 180
tatttgcaaa gccagagtaa ggggaccaat ctggataggc tggcaacttg gaaggattgt 240

gcatccggtt	gaccactgga	caaataattta	gagggtttact	gcatgtgcta	agcatactty	300
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ccatcatcta	atacagtctg	aggagtgtcg	gacagagggc	gtggcgaggag	gggactagc	420
ccagccccta	aaccgggtta	gggaaggccc	tttgatgccg	aggacctgtc	tacaggcatg	480
tcggaacaca	gcaggaagct	gagatggcac	gaagctgtcc	acccatcttg	cgcccaggct	540
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<210> 130
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 130	
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ccaagctgct	gtctttctga
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tgccccacaa	gggcagtaag
atltggcaaa	acttcccata
agggtttca	agatagcctc
aaaggctagg	caaaaaatga
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caggctggag	tgcatgtgaca
gccattcttc	tgccctagcc

<210> 131
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 131	
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aaagaaaaga	aaaagaaaca
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gtgcccgggc	aataatctact
atcctggaag	ctctaagatg
gccttgataa	gcagcaaggt
cagcagggtg	aatgtaatga
gaataaaaatt	tcttggaagt
tactccatga	aatattattt
aaatctaagt	atatatatat

<210> 132
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 132	
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ggcgaatagt	tgagactctg
gaatatatag	cttctgtgtc
tgctgaaata	attcatcttt
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tcaggaaaaa	aattgcgtct
ctaaataata	cagtacaaca
taacctagag	attacattta
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<210> 133
 <211> 599
 <212> DNA

<213> Homo sapiens

<400> 133

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gctctattgt	ggattttactg	acacatgctg	aactaagctg	tttatttgta	tcattctcttc	180
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aacaaacatt	tattgggcac	ctactagttg	ctgatgtcgt	aggtaacagg	atgcaaagtk	300
atztatgtaa	gacatggctc	ctgcatttcg	ggcactttta	acctagttga	gggaggtaac	360
cataccatac	aggctatgat	accgatatta	aatatgtgcc	tagggcaaag	caatgaattc	420
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ggtttcatgg	tttttattgg	tttggtgttg	aatgggtgag	ggggagaagg	ctatttatatg	540
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<210> 134

<211> 599

<212> DNA

<213> Homo sapiens

<400> 134

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aagtggttca	ctgagctaac	attaatctaa	tttaattctc	aaccagattt	gaaaaaggga	180
gattaattgg	ataaaaaatgt	agcccatttt	ccttcattta	ctcctatttg	ttttcaatgt	240
ctctttcctt	ttctgtctcc	tcctatccat	ttttctctcc	ctgttactct	taagtagtgy	300
ctcctttccc	catccacccc	atctctagcc	atcttccatt	ctatttccgc	taagttgctt	360
tcagttgcag	gatgtccata	ccttggtggc	taaactaatg	tttctcagct	ttgcatattc	420
agagcttgat	atTTTTcaaa	tgggaagaag	tgattatgct	ctggtagtgc	tgattacact	480
cacaagatgt	taattgactt	acggtaatgc	cgatttctgc	aagttctgtg	tatgtatttg	540
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<210> 135

<211> 599

<212> DNA

<213> Homo sapiens

<400> 135

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agtatatgaa	tgaattatt	ttaagttatt	catctcagta	acgtttaggt	gaatgctgat	180
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tttacaccat	aaattttactt	ttcccacctt	ttaaagggat	aatgcaagg	attctaaaty	300
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agctagtagg	aaaaacctcc	aatataatgt	atacctaaag	tagtttggtt	tctgtcatca	540
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<210> 136

<211> 599

<212> DNA

<213> Homo sapiens

<400> 136

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acagactagg	tactttataa	agaacagaaa	tttattttct	gatagttcta	gaggccgcga	180
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agagggagga	atactgcgtc	cccacgtggc	aaaagggtgga	agggcaaaaa	gcgacagtgy	300
gtccctgaca	agccctttta	taacagcgtg	aatttatgca	ggcagaactc	ttatgacct	360
aacaccttcc	agaaggcccc	acctcccaac	actattgcac	tggggattag	gttttcaaca	420

caaatttttg	gggacacatt	cagaccatag	caaagacaga	cacaaaacac	cacatattat	480
gtcactccaa	ttatatatga	gaagtcaaaa	gaggcaaatc	tgtagagata	gaaggtagat	540
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<210> 137
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 137						
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ggggctctcc	tgaaggtctt	ccatgcaagt	ctggtttcct	tctcccttac	atctctgggc	240
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gaaaaacaat	gtaatatattg	tattaattgg	ttgcctaaca	catggctgtg	aaatgttttc	480
ccctacattt	tttggccatg	ctatactctt	tttttttttt	ttcgtgctat	actctttgat	540
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<210> 138
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 138						
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acctagtata	tcacttgatc	acaaaactga	gctagttttt	attcagcacc	tactgtgtac	120
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ggggcctact	tgagactgaa	gtacttgaca	ggcagagaac	tcaaatgga	tgggttttct	540
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 <213> Homo sapiens

<400> 139						
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accccatct	ccaatacatt	ctgtatgtaa	ttgcagggat	gatacatctt	aaagcataaa	420
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ttacaaaatt	aaaaaagtag	ccagggtgtag	tgggtgtcac	ctgtaggccc	agctactcg	599

<210> 140
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 140

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accacaatc	tcaaaaattt	agtgtaacca	ctattggaac	aatggcttag	ttccttttgg	480
atgttttgct	tgtgcatcac	ctttgtggtt	ttattgttat	aaattagatg	ccctccttta	540
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<210> 141
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 <213> Homo sapiens

<400> 141						
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ctaccactct	ttattaaaa	ccatgatata	cccaatacca	ttcattttaag	gcacctgctt	180
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caaagattcc	ccttcaggtt	tctgacttat	gttaacaagg	tagacacaag	tgccattttac	540
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<210> 142
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 <212> DNA
 <213> Homo sapiens

<400> 142						
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caccttcacc	atacacatag	atttcaaata	tttttcttta	tgtcaacact	ggcctaaatt	180
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ctacttcaga	acttcagtac	cttcttttca	acatttttcta	ctttacccac	tgtcgtggcc	420
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cttcccacaa	tgtgtggcca	acagaatact	ggaaaaatga	tggatatgtga	cttctgaagc	540
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<210> 143
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 <212> DNA
 <213> Homo sapiens

<400> 143						
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 <212> DNA
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<400> 145
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 <212> DNA
 <213> Homo sapiens

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 <213> Homo sapiens

<400> 147
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<210> 151
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<212> DNA
<213> Homo sapiens

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<213> Homo sapiens

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 gccagaaga tgcagtgaag caaatgacag gatacatgaa tgcggcctaa attgcttagc 540
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<212> DNA
<213> Homo sapiens

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gggaggaaac	ttgtgtaagg
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ggttcagaca	cacacataca
ccctggcatt	ttggtttgc
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cgacattaag	tagagggaaa
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gaattggggg	agttaaatgc
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gtgtttctgt	ttgattgttg
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gtataatgtg	ttgatatcct
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<210> 160
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<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<210> 162

<211> 599

<212> DNA

<213> Homo sapiens

<400> 162

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<210> 163

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<212> DNA

<213> Homo sapiens

<400> 163

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<210> 164

<211> 599

<212> DNA

<213> Homo sapiens

<400> 164

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gccacagcac	acctaagagc	tcctctcctt	catcagccta	gtcacagctc	ccagactctm	300
ctgcacactg	acagtgtggg	gtgatgctta	ttcccctacc	tccccagat	ttgcaccgac	360
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agagctcatt	cagcatgctt	gcctactcac	tatcctctga	agtctctctg	cctttgcac	540
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<210> 165

<211> 599

<212> DNA

<213> Homo sapiens

<400> 165

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aaaagcaatc	taccaaagtc	tgagagagag	aggcacttac	gcggcatgat	cccttggctc	540
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<210> 166
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 166						
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ggaaaactga	agaaggtaaa	atagaattgg	gaaaacagcc	taaaaaactc	tttgattact	240
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<210> 167
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 167						
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aagtggccaa	actgtttcaa	tgggacagtt	aaaacccaaa	agatatatgt	ccactcggr	300
ctatttcctt	cttcactgca	cctgttattt	atagtgtgc	taaaattaac	ttgaatttca	360
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gctgagacga	agggctcagc	tctattctgg	ggataccaca	caaagaccac	aagtctcgac	480
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<210> 168
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 168						
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<210> 169

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

<400> 169
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 tccttttttc tgcagatcta atcactcaag gagaagtttg aaaaccattg gccagggtt 180
 ctgttctgtg caccacagtg aaacggccct gtggttctgc acagggcagg tgtgggttct 240
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 tggttcaaca tgctgataag cgtgtttgtc agagatgtat acgttgaga cattggggaa 480
 ctaccagtgt gctttggtg ctgttaatgc attgcttcta tttatagacc aactaactag 540
 aaggacaaga aagttagcgt tacagttttt cactctgcc taatcaaat ttatgttat 599

<210> 170
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 170
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 ttgaaacca tagacatgtg aatgtttatg ctgaaacaga agtatttact ttctgataat 180
 aagtgtatgt agtcagatac agtcttttaa gtccactttg tatggtacag aacaaatccc 240
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 gttagtact ttaaaaaaac gtttaattgt tacttcagca agtagaagat ggatattttt 480
 gatgccaga gtgtgtctt ccccgctccag ggtatctcat tctgatcaaa ccgaattggc 540
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<210> 171
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 171
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 caaataatag aaagcactta aggtagaagc taatatcctc ctctgttga ttttagagta 240
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 gattaagttt aggattaaaa agccaattg cgtagactat gtaatggagg aagttggaca 360
 tagatattga gccttggtta aaagatgtta ggggccagg accgtggcac aggcgtgtaa 420
 tcccagctac ttgggagggt gagacaggag gggtgcttga gccaggaggt tcaaggctgc 480
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<210> 172
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 172
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 aagactgatg tggggaatgt cttttttggg ggtctggaga aagaagaggc agtaagaaag 180
 cagttaaata gagaagaaaa aacaatatgg tctgtgccct cagagtcatt gaacagttca 240
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<210> 173
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 173						
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ttgttttttg	ggtttttttt	ttttgaagca	gggtctcact	ctgttgccca	agccagagtg	420
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<210> 174
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 174						
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gaggtggaat	tttagatgga	gtgaccgggg	atgactccac	tgaaaagggtg	acttttgaag	540
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<210> 175
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 175						
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<210> 176
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 176

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tgtttttttt	tttgaaaaaa	agaaaaagtc	tgaataataa	aatgatccat	gaatttatgg	480
tgaggactag	taaaaaagta	aacttcattt	aacaattata	tttaagctaa	gctaggatga	540
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<210> 177

<211> 599

<212> DNA

<213> Homo sapiens

<400> 177

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gattcaacag	aaacaaaaat	agacgattag	gacttaatta	aactaaaaag	cttctgcaca	540
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<210> 178

<211> 599

<212> DNA

<213> Homo sapiens

<400> 178

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<210> 179

<211> 599

<212> DNA

<213> Homo sapiens

<400> 179

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<210> 180
 <211> 599
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 <213> Homo sapiens

<400> 180
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<210> 181
 <211> 599
 <212> DNA
 <213> Homo sapiens

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

<400> 182
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<210> 183
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 <212> DNA
 <213> Homo sapiens

<400> 183
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 <213> Homo sapiens

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 aataatgtat tggaaatggt aacgatactg catggatgaa acaaaagatc gcgttttagaa 180
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 ccaaaaactt cagagtatac ccaaaaaata aaatattaaa agaaagcatt tgctgtaaaa 480
 ccagaccctg ccattaaaaa aaccttagca tcttatttgg gtggatattc taagtgtatt 540
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 <212> DNA
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 aacaggccat agttataaat tttattatta tggcacaact ttacatgtt ttatgtatct 420
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<210> 194
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<213> Homo sapiens

<400> 194

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<212> DNA

<213> Homo sapiens

<400> 195

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atcctctcca	tctggttcaa	agtctcagtg	gtattctggt	gcttatgatg	ccttggtttc	540
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<212> DNA

<213> Homo sapiens

<400> 196

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ccaatgggca	gttaaccaga	gccatccctc	gagagagggg	atcaagccaa	gaggaaggca	540
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<212> DNA

<213> Homo sapiens

<400> 197

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tataaaggca	accttggctt	atataacgtc	tatcgtgaat	actgacatct	ttacttcaact	240
cactaccaat	aataaatata	ttttctgaca	aaaaaaattt	taaaaaagta	accocctaaas	300
agaacaattg	tgttatccca	atcaacagga	ggcaaatgat	ttaataaaca	gtgccagctg	360
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<210> 199
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<210> 204
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 204						
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 ttaggtcctc tattagttaa tgaaataaat tatctgttct actacaggaa atagaagcat 540
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<210> 206
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 <213> Homo sapiens

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

<400> 207
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 agtgattaca cgtgcacgtg tgcacgtgtg tttgtgtgag tgtgaggaag gggtgattcg 540
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<210> 208
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 <212> DNA
 <213> Homo sapiens

<400> 208
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taaaagtttt	agttgtatca	aactgaatat	agtaaaatgc	caagatatatt	caccaggatt	480
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<210> 209
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<400> 209						
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tccttgacag	taaaaaaaat	taaaaaaata	tggagagagt	ctttactttg	atagtcttta	480
aatgatacta	atagtgcatt	tttcaacttta	ttactgtcaa	gctgggagtt	cctcttttgt	540
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<210> 210
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 <213> Homo sapiens

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

<400> 211						
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gcttgagggt	ggagagtggg	aggagggaga	ggagcagaaa	agataacgaa	tgggtactag	480
gcttaataacc	tggctgatga	aataatctgt	acaacaaacc	cccatgacat	gaatttacct	540
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<210> 212
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<212> DNA
<213> Homo sapiens

<400> 212
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aacatcttcc agtcctgaag aggatttttt ttcattgtgt tattggacat ttgtaccttt 480
ttaataaatt tctttttata ttacatatct atatgtatta tttcagtttc ttgtattaat 540
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<210> 213
<211> 599
<212> DNA
<213> Homo sapiens

<400> 213
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<212> DNA
<213> Homo sapiens

<400> 214
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agctgccttt gactctgcta atcacataat aacaggacat agtcagtttt aagggtagaa 540
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<211> 599
<212> DNA
<213> Homo sapiens

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cctcgatgtg cattctaact gccagccac agactgctaa tccactcca ccactgaaag 180
aagaccaggt ttaataattt gtatcaaaat gggaaaggat cacaggcctg taggttttta 240
tgtggctcac ctctgccaa agggatggga atttatggat ttctgaaag aagctgggcr 300
tggaagaaaa gaagagaagg ccccaaactg ccaactaaga agtgtcgcaa tatatttgat 360

gacagtgcag	aggaaaataa	aacacaaggc	acgtggagaa	ggaaacctaa	acagtccaaa	420
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taccatatga	ttgaagagga	tgagctactc	tttgccccag	tcacctaact	ttggcttcac	540
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 <212> DNA
 <213> Homo sapiens

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tggtaggtac	tttgaatcat
gatagaaatt	cagtcattca
ctgcccgaag	ggttttattgc
ataatagatc	tacacatggg
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420	
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599	

<210> 217
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 217	
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agactctgtg	tgtctgggga
caccttgagt	cagaggatgg
atcctaaaag	aatggcttaa
ttgaaacata	aattaaagac
caaaggaaaa	aacaatgtac
tcaataacaa	tgaaaaaaaa
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 <213> Homo sapiens

<400> 218	
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gtatgatgct	agttttgcat
aattacacaa	tgcatgtttt
gaagcactgc	acagaactaa
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<210> 219
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 <212> DNA
 <213> Homo sapiens

<400> 219

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caaagataca	tgcccccgcc	ccactcctga	catttaatat	ctcttagcct	ttggattgaa	540
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<210> 220

<211> 599

<212> DNA

<213> Homo sapiens

<400> 220

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<210> 221

<211> 599

<212> DNA

<213> Homo sapiens

<400> 221

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ttagtggaac	ccagattttc	tctatgattt	gagaaaaatt	actccacatg	ttacctagtt	540
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<210> 222

<211> 599

<212> DNA

<213> Homo sapiens

<400> 222

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ttaagatgaa	tttaggatga	tatctagcta	agtgggaagg	gttcctaaca	gtccagcaga	480
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<210> 223
<211> 599
<212> DNA
<213> Homo sapiens

<400> 223
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<210> 224
<211> 599
<212> DNA
<213> Homo sapiens

<400> 224
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<210> 225
<211> 599
<212> DNA
<213> Homo sapiens

<400> 225
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aaccagccct tgtcacacag ataaaccttt tatctcactt tcccagattt taatcagcag 180
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gaattttttg agctattggc cacggggcaa gatggcgtca ggaagtgtca cctcaagagg 480
caacagataa ctcatTTTTT ctacttaatg gaagtccaac aaatttatca taaaggctta 540
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<210> 226
<211> 599
<212> DNA
<213> Homo sapiens

<400> 226
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ggctgaggtg	ggaggatcac	ttgagtctgg	aaagtcgagg	atgcagtgag	ccatgatggt	180
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ctatgcagcc	atgaaaaaga	ataagctgat	atccttttgg	agaacatgca	tgagagctcgs	300
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gggtgtgacc	aggtggaggt	aactggatca	tgggagcagt	ttcccccatg	ctgttctcat	420
gataatgagt	gatttctcatg	agatatgggtg	gttttataag	catctggcat	ttcccctgct	480
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<210> 227
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 227						
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aaccctctcc	ttaaaaacaa	agtgactaat	acctaagata	tttctgtaaa	cacactcaac	420
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<210> 228
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 228						
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tttcatgaaa	ggttgggggt	ttgttttctt	ctgatgacct	aatagtcaac	acagtagaag	540
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<210> 229
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 229						
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gagcctggga	aacagcaagg	aacataattg	aggcactttt	tgaaccctca	gagcaggagr	300
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ggcatcattt	cttcatgggc	tttcaagtgt	gagagtttgg	ggaaagcatg	tttgttttag	480
ttcatacatt	tccagctcaa	gaagagtcac	gtctaggttt	gatgaagaca	ccattgagca	540
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<210> 230

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

<400> 230
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 tcaatatcaa atgtcaatct tagattataa agtctataat gtatgtatat atatacatgt 240
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 tgattgtctt atttttgaag atctttgaac tttctataga aactctgtgg tggagaatg 540
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<210> 231
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 231
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 ggctcaggga gagaagcacc taccaacatc accgtcatca tcattatatt gtttaagtat 180
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 gaatttatgt ctccatgtgt tgtccatgcc caaaagaata taaatcattc tattataaag 480
 acacatgcat gcatatgttt attgcagcac tattcacaat agcaaagaca tggaaatcaac 540
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<210> 232
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 232
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 caaaaagact tgcgtaaatt cagcatgtat gatcagagga cctgggcatc acaaaacgta 240
 ctcatgggg agcatgtcaa tttgcaagga atatttagaa agacttaact atgctaaaaw 300
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 gttctgcttt cagctctttg aggaattgcc acactgcttt ccacaatgat tgaaataatt 480
 tacactccca ccaacagtgt tcccttttct ctgcaacctt gccagcatgt tattttttga 540
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<210> 233
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 233
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 gaaattgtct tttctaggtg tgagacctac cattgcccac gggattaggt tcaaaactcca 180
 taaaactgac caaatcctgc aaagctgttt atattccatc tatacaattt tattatactt 240
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tggtcatcca	cttttataga	gaactgtgca	ttccttaaag	gaagggactg	tgctctatgt	360
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cgttcttcat	gaattctcag	atcctgacta	ccgtgagcct	actgggggtg	gggagtaaat	480
aatgttcctt	tttacattcc	tagtgtctag	tatagcatct	gacacatatg	agatccgtaa	540
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<210> 234
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 <213> Homo sapiens

<400> 234						
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acattttgtg	tatttgatga	aagtggcctg	aatttggaag	ttatagcaat	caaagaagtt	420
taatcctttc	ttaggatcat	taaatttagt	gagctgggat	gatttggtga	gggtaaagtc	480
tgcatggaag	aatgaaagaa	gtagagttaa	gaaggtcaca	ttttttctct	ctaaattgta	540
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<210> 235
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 <212> DNA
 <213> Homo sapiens

<400> 235						
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ttctccatgg	agtgaatgat	acaaaaaaga	ttaagaacca	ctgaagtaaa	ggtccagcay	300
gttggaatat	aaaaaattaa	tcctgctttg	cagtagtagt	atttttccag	gggactcaga	360
gttaatttcc	acaggaagct	aaacttaaaa	ggggagggtta	ttccttttca	ggagaagtta	420
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<210> 236
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 236						
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gtagcgcttt	gccctattat	gttcaacaat	aataattcac	ggtgacagat	gtaatccacc	180
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acattttggga	gaagaatgga	ctctatctct	tagagagggc	cacatctctt	catatatgta	480
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tatatacaca	tatgtattcg	ggtttttaat	atatatgtgt	ctgtgtactt	atgtgtata	599

<210> 237
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 237

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agtttatatt	cttaacacac	aaaaattgct	tataatatgt	catttagaaa	ataaaaaata	420
attctagctg	ttaaaaaatg	attttccctt	ttgttttggc	aggaagaata	caggcaaaat	480
gcatgttgga	gattcacacc	ctcaccttcc	tggaaagatag	cattttaaga	aatatcttca	540
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<210> 238

<211> 599

<212> DNA

<213> Homo sapiens

<400> 238

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gataaatacc	taatgtaaat	gatgagttga	tgggtgcagg	aaaccaccat	ggcacgtgta	180
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caaacaaaca	aaacccaaaa	aactcgctga	aagcaagtag	agctttcatg	tagggaacty	300
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ggaaacgtca	gtcccacagc	ataagctctg	tacaactctt	gatgaggaat	cagaacaagt	540
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<210> 239

<211> 599

<212> DNA

<213> Homo sapiens

<400> 239

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gtaaattaca	actgagttaa	atacaaaagc	aaatacgttc	agtatatgta	gaaataaagc	360
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<210> 240

<211> 599

<212> DNA

<213> Homo sapiens

<400> 240

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aagcaccatg	tcttgttctt	gatagagaca	gaaatcagga	cgttcttcat	gaattctcag	180
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ttttgataac	tatttcactt	ctaagttttg	ctacactgtt	ggcttttcat	ctttgtttgt	420
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ttactgcagc ctcaacctac tgggctcagg tgatcctcct gcctcagcct ccctagtagc 540
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<210> 241
<211> 599
<212> DNA
<213> Homo sapiens

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<400> 241
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tggagagctc tcccaagagg atccatattt ttagttcctg tttgtggaag taaagcccg 180
actatgaaaa ataaggcaga atccttttaa atgacaagat tcagttaatt ccatgtcttg 240
ttcagttggt cttatatccg ggaactggaa gcacagggtt tgtctctaag ataacctgcr 300
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gattctcctg cctcagcctc ccgagaagct gggattacag gcaaacacca caacacctgg 480
ctaatttttg tatttttagt agagacgggg tttcactatg ttggccaggc tagtatcgaa 540
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<210> 242
<211> 599
<212> DNA
<213> Homo sapiens

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<400> 242
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tcatatatca gaattacaca ggacatcatg ttaatgatca tttattccta gctacttgaa 180
gaataatacc cagtaattat agcaaatgta agtcaaatag taatagcata ctttaaatag 240
tatagtaatt ataagttatg tccatgcac cgggacaagg gtcttttatg cttggtaatr 300
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ttacagctgc ttctttattg cacaatgcaa aatgtattgt taaatttaaa ccatttaaaa 540
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<210> 243
<211> 599
<212> DNA
<213> Homo sapiens

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<400> 243
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gagtgggcat gtacagagat gacatctcaa gagagagaaa ctgaggaagc cagactcttt 240
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agcactaatt tattcacgag gatcctgtcc ccatgacctc cctctaggcc acacctccca 360
acactgccac attgggaaac aaatttcaac atcagttttg gcagagacac cacatccaag 420
ccatagtgca cagtgaataa aagcagtatt cggctgttag atgatactgt tattatcact 480
actgtacaga gatgacttcc ctttaggggt cataaaaggc ctgagagaag ctgtactgct 540
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<210> 244
<211> 599
<212> DNA
<213> Homo sapiens

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<400> 244
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<210> 246
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 <212> DNA
 <213> Homo sapiens

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 aagacttaaa tataaggcct ggaactacaa aaacactaga agaaaaccca ggaaaaacgc 240

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 <213> Homo sapiens

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 <213> Homo sapiens

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<210> 254
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 <213> Homo sapiens

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<210> 255
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 <212> DNA

<213> Homo sapiens

<400> 255

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<210> 256

<211> 599

<212> DNA

<213> Homo sapiens

<400> 256

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<211> 599

<212> DNA

<213> Homo sapiens

<400> 257

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<210> 258

<211> 599

<212> DNA

<213> Homo sapiens

<400> 258

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<400> 259	
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 <213> Homo sapiens

<400> 260	
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<210> 261
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	ctccggatcc
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<210> 262
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 <212> DNA
 <213> Homo sapiens

<400> 262

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gaaaacactt	tatgaatgta	aacgcttcaa	tatggacttc	ctgcattata	gtatcaaggc	240
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<210> 263

<211> 599

<212> DNA

<213> Homo sapiens

<400> 263

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<210> 264

<211> 599

<212> DNA

<213> Homo sapiens

<400> 264

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gagcatttag	tgacttgtcc	taaagttaat	aagtggctgg	gattggattc	aaactcagat	540
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<210> 265

<211> 599

<212> DNA

<213> Homo sapiens

<400> 265

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atgtgaacca	aggattttat	atcctaagaa	aacttttacac	tcctggataa	agggcacaaa	180
cataatttta	tcaatccaca	agaactcaga	ggatactgga	gacaaatttc	agacagtcaa	240
aataattgaa	gagctataga	tgtaaaggca	gggtgatttta	tcacaacttg	ctgctacaaw	300
tcacaaaaag	agagacacac	agatattgca	tgtctccaca	tgaaagaaaag	aaaaatagaa	360
aacacctata	gtctttgtaa	aagacagaat	ttgaatatgg	tcaagcctta	ggaggcagtc	420
acctatttgg	aggagataca	cagggcaaat	ggacatagta	aactgtaccc	atagtgtttg	480
ctacaatacg	ggatcattct	attgcaatcc	atactaccaa	acattttgca	gattaaatgg	540
cctacagcta	gtgaatttat	gaggaagagg	aagggatgga	ggagaaacct	gaagattaa	599

<210> 266
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 266
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 taattttaa atgaaactgct tattttgaaa attgtcttat ttatagtttt gctttgttcc 120
 ttaaataaca agattttatt cctcctccca ctttcccaat ttgtgtactg aaaatcacaa 180
 ggaaagaatt ttgcaaagca caaaatttat ttcatgcttt aagggttaga ctttgtttaa 240
 aaaatctaaa aaattttattt attttctgag actttaatct ttttgataag taaagttcay 300
 ggaaaaccat gtaattggta tagaactttt cacttgaatt gaatcacata atccttctgt 360
 agtagaatac ttttgcattc tgcctggagt aaattagttt ctttaggtta aaaaaatcc 420
 tggaattata tttttcaatt tgaaattcac ttaatatcaa agtgactata attaatctt 480
 ttactgatga tctgaaaaac ggtaataaga aattacaaat aacatatcaa agaaatttca 540
 taaagtatac ctgataaaaa catttcaagt gtgaggtgct ttatttttcc acactaaat 599

<210> 267
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 267
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 tctgtggcat ccaacacagt gtgtacattt aagagcactc tcttgatttc ataattctctt 180
 tcttctttta tttaggattt tgctttgtgg agtaattggc aaggacaact ttacttgggtt 240
 ttatgtctac aaaacagtca tgtgtgaagt aaagagtatg ttattgactc aagagtcats 300
 ataattgaac cacgaagtag attttctatg gttaaaaaaca ctggttttta aaatatggaa 360
 agtcataaat gagtcattggc aatcttctga caaaagcaca gattatacag aaatgtatga 420
 ttcatctgtg ttttctttac acttttacct ggtgagagag aagggtttatt gatttgcaca 480
 tctccttcta ggtattattag agcatatact tgaacgggtga aatttacatt caaaatagag 540
 aagaataact gccacaaaat ctttcatttt aaattgaggg gcaaaatcta ttacagatt 599

<210> 268
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 268
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 accgatagcc tgtagcctt agcgcaaacc cgaatttatt catctgttga gtaagtattt 180
 atgttatatg atgggaactc catcaaccct tgggatatag ggaacaacaa agagtaaaat 240
 gtccccattc ttatgaagct tataagaaac aaataatact gataataata ataaacaagy 300
 ggacaattta tgatagtgtc aagtactatg aagaaaaatg taacacagtg attggaatga 360
 gaaaattctc gaagggcatg atatgcttaa gattattctt aatgggcagg agaattatga 420
 aaggcattta gatgtggaag tataagagtc cacagaagtt cagatgatgt gtagccttct 480
 agacaatgca gaaaactttt ccataattct acaagcaatg caatagcatt ggagggtttt 540
 aaataataaa attacaagtt ctaattaatt tttgcaatct atccatatga caaagggt 599

<210> 269
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 269
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 ctttctgtag aaacttttct caacactcta aaaaaaagg ctaactagaa ggaacagaag 120
 aacaacatac acatgtaaaa accatattga gggaccaaata taaagataat tatgattgga 180

gttgatgaat	ttaaaagtac	cagagaaaat	tgtatcagga	tttttgaata	tcctctttga	240
atgataattc	tactcgttgc	caaagttatt	gacagagtat	tttgtgttgg	gcatgggtgcy	300
agctaggcat	taggaagtgg	agaacaaaat	agatttagtt	cttatcacct	ggagtttaca	360
aattataact	actaggaaga	aaaaaaggct	gagtactcag	aaaatgtgta	agattgagtg	420
gtcctggaag	acaccctga	aggttgacca	ggaactaagt	caagcaaaga	gctgtgggaa	480
aactcttctg	agcagagaga	attccaggaa	ctaaagaaaag	tccagggtgtg	gttgaagata	540
gactcagaaa	taaagaaagc	tgcttgagat	cagatttagtg	aaggagggag	ctaccagat	599

<210> 270

<211> 599

<212> DNA

<213> Homo sapiens

<400> 270

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tgctaaccac	cagtatttgt	attgtatcac	ttctgtaaat	ctagttcaag	ttccttcac	120
tctcaatgtg	tgaagggtccc	taggtcccta	acaaatgcta	tcctaattccc	tacctaataa	180
ttctatatgt	ttactttag	tagaacctca	ctcctgccaa	acgtgggtact	tttctgtttc	240
tagttcagtt	caatggagtt	tccctttaaa	tagggtaatt	ctatttgatc	tccaacccck	300
agattatttt	ttcttaagtt	cattcatttt	tccatttttc	ccccctcttg	aatattactt	360
cctttatcca	tgcatctctt	ctaccattcg	tctttttctt	cactctttct	tctcatcttt	420
gatgtttcct	tctacttctt	tgtctcttta	accccaagg	gagaaaaaca	cctttttcag	480
agccctactc	agagcaccat	gcaatttcat	tttctcaagt	gctacaaggc	aaagattttc	540
tcccctactt	gaattaattt	attgtatatg	taatcgcttc	ctcccaaaga	gttttgatc	599

<210> 271

<211> 599

<212> DNA

<213> Homo sapiens

<400> 271

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aagaaaagaa	aacgagattt	ggtgaccaac	tttgttgtct	gccacagact	gatttaggg	120
aattacttcc	ctcacttatt	ttttgctgta	atttcatgat	ctaactctct	attccacaca	180
atatctctgg	caatgaactt	tattaccact	atggcttatc	ctgggtgtcct	aacactcatt	240
caggttacaa	ggagaacagg	gaataaagag	gaccattcag	gatgatgtgg	gaccacctcr	300
aagcatcagt	gtgctctgag	ggtcttcagg	aaaatctctt	tctcgcttca	catctctctc	360
ctgctgctca	ctcacatgac	tactggaagc	acattcccca	ccaccacaca	agccacacata	420
cccgcacaca	accctcacc	aatgctggag	agaaagcact	ccaggaggag	aattctgtca	480
tactccttca	caccatttca	ctcttgaaac	tcttccacc	gatattcttc	actccggcta	540
ctaatttttc	tctttacatt	ttgtttttta	cttttaagtt	caggtgtgca	agagcaggt	599

<210> 272

<211> 599

<212> DNA

<213> Homo sapiens

<400> 272

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gaacaacaaa	gagtaaaatg	tccccattct	tatgaagctt	ataagaaaaca	aataatactg	120
ataataataa	taaacaagtg	gacaatttat	gatagtgtca	agtactatga	agaaaaatgt	180
aacacagtga	ttggaatgag	aaaattctcg	aagggcagta	tatgcttaag	agtattctta	240
atgggcagga	gaatattgaa	aggcatttag	atgtggaagt	ataagagtcc	acagaagtty	300
agatgatgtg	tagccttcta	gacaatgcag	aaaacttttc	cataattcta	caagcaatgc	360
aatagcattg	gagggtttta	aataataaaa	ttacaagttc	taattaattt	ttgcaatcta	420
tccatatgac	aaagggttaa	taaccataat	ctacaaggaa	cttaaacaaa	tttacaagaa	480
aaaaacaatc	ccatcaaaaa	gtgggcagag	gatatgaaca	gacacttctc	aaaagaagac	540
atttagatgg	ccaacaaaca	tatgaaaaaa	ttctcatcat	cactgggtcat	tagagaagt	599

<210> 273

<211> 599

<212> DNA
<213> Homo sapiens

<400> 273
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ttaaaagctt attgtatgca taatttataa ttcattgggac ttagtctttg ggagagaata 120
cacacgcaga tttatgtagc tacagattga atgtaaaattc aatacccagt cctttaagga 180
gctgagattg tttgtctcct aaccacagaa gttttgtatt ctagtatttt tccagcacta 240
actaaatagc cgaacttgga aaagtcacac tgaatatctg ggacggaatt tcctgatctk 300
aatagtcaga aatataccta aactattcct aggttccctt ccagtttaat ggtggatatt 360
aattatttga aaacatttta gagaacctta actgaagaaa gaactaaggg catcttctga 420
ttggtagact ctctgtttac aagagatggt caatgtattt tggagacaa gaaagtttac 480
cattttgttt ccaagacaaa actgtgtgct ttgcaactat ctgagcacgt tgtcaatatt 540
taccaaattt aatgaatga aaaaaatcta tattataact gacatgagga atcttcaca 599

<210> 274
<211> 599
<212> DNA
<213> Homo sapiens

<400> 274
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ccagctgaaa ccataccctt gtcacatac ttcccttctt ctttcttctt tcccttgctt 120
ccttagagat tctccttgca atggcttcct caaaaaagca ttttcataag caacctcatg 180
tcagcctctg ctccacaga agccaatctg agttaagcag ctgtttaact tagcatgtcc 240
aacataaaat tcttgTTTTt ttctcatccc ctgcccctga acgttctcct ttgcctgtcy 300
ttcttatctc attgaaagta acaacacaag tatcaagtga aaataaaaga atcttctctg 360
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ccaacctagt ctaagatact atcatctgtc ttctagactt caactgggtt cctaactctg 480
atggtattac acaatttttg caatgaagtc ttaccacact ataattccatt ttccataaag 540
cagcattatc attttctaag tcacacactg tagttttaat acaatcccaa actaacaag 599

<210> 275
<211> 599
<212> DNA
<213> Homo sapiens

<400> 275
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tatatctgat aaacaactta tattcataat atgtaaatca tataacaaat gtcaaaattt 120
aataataaat tattaagtag taagaagaaa tttgttgtat aataataaga aattaaatag 180
taagaagaca atcaattcaa ataaatgagc taaagatttc aacagatact tggccaaaga 240
aaatacagga gtttctgtaa ataagtacag ggattctgag tatcatttgt catgagggar 300
gcaaaaatta aagcaatgag atttagctac atagctagaa tggctaacat ttaaaaatat 360
caaccatacc aaatattggc aacaataagg aaaaacagga aatttgtgca ctgtgactat 420
agtgaatatg ctacaaacac tttttaaatc agtttgacca ttaacatata cttacctatg 480
gtctagccat ttcactccta ggcatttacc ttagagaata tatccatgaa aattctttta 540
atgaatttat ggatgatagc caaaaagtag aaacaatcca atgtccacca acaggtgaa 599

<210> 276
<211> 599
<212> DNA
<213> Homo sapiens

<400> 276
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ttcaatagtg agaaattcaa agatttcccg tgagaccaag aacaaggcaa ggatggctcc 120
ctgtgaccat agcttttcaa catcatcctg gatgtcctag aattctttca aggttctact 180
cacaactgga tttctccata atcttacatc tctcatgca caaacttatc acatagcaca 240
cagactgggc ttacataata ttttctttct cttagctcat taagcatttt gtacatctcr 300
tggccctttt cattttataa tgtgtatgaa ttttacctta cagggtgtct cctgtgacat 360

aagccttttg	agagacacaa	taatcatgtc	atcttctgct	ctgtcattca	cacaatgtat	420
agaacaatga	tttgaccaag	taagtgtctg	gatttgttga	tttttaataa	gatactatca	480
agtgtctata	ccagtgtctg	agatcagaga	cgacatttat	gcaaaatact	ttaaacagga	540
gagaggttgc	atgagcacaa	gaaaagcctt	gtctcaaaag	aatgctccct	cattgcagc	599

<210> 277
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 277	
tgagcacaa	60
agtgatgatt	120
agtacattaa	180
aataagaaat	240
atcacactgg	300
gcaaaagtaa	360
tcatttactt	420
taatatatttc	480
tagctgatga	540
cttaaggtcc	599

<210> 278
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 278	
cttcatactc	60
aataagaata	120
tagaccatag	180
cacaggtaag	240
aactagatga	300
gcaacagagt	360
actctcctaa	420
gcttctctgc	480
gggctgccat	540
caatcctgga	599

<210> 279
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 279	
acatgtacat	60
atgtcccat	120
ctattctctc	180
gttccctcatc	240
agcagggtgca	300
aatttttttc	360
taactttata	420
agacatttaa	480
ccagcatgtt	540
atccatcatt	599

<210> 280
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 280

tatttgaaac	tctaagcagc	atatacattt	cccagtcctc	tccacatttc	ccttttggtg	60
gcattctgtt	catttttagt	tttatatgta	ttttagaatt	gtttttccct	atttctgtaa	120
ggaatgccgt	tgggattttg	atagacattg	cattaaatat	gtagatcagt	gggggcagta	180
tgaacatttt	aacaatatta	attcttccca	tctatgagaa	agggatgtcc	ttccatttat	240
ctgtatcttc	tttaattttc	ttcataattt	ttttcatatt	gtacaagtca	tttacctctm	300
tttttatgga	ctggaataag	tttcatttta	aaaattcaat	acataaaggc	ctacctaaca	360
atatgtttta	tataaactac	tccaattatt	tattttcacc	aacctattga	tttctctacc	420
aatgttgaac	ctaaatcttc	actgttttag	ttttaattta	ccacatttag	tctctcagaa	480
ttcaacaaac	cattagttat	tttgccctct	actagtgtaa	gagattgata	tgcttgcaaa	540
taccttgtct	caaccttcac	ttattattac	aaatattcca	catttttccc	cgtatcatc	599

<210> 281

<211> 599

<212> DNA

<213> Homo sapiens

<400> 281

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gaatgccagt	aatataagca	aaatatgtct	gaccacagtt	acttttcatg	agtaaattggg	120
ttctgccaaa	tggctttttc	cctaaaaaact	aagttttttg	aattttgttc	agataatagc	180
aataaagaga	caatcactct	ctacaacagt	tcctaggaag	ttgaagaaaa	ctgcagattt	240
taaggagagat	tcactgttag	gtgtgttggc	ttcatgcctc	ttgatggcat	tcttttagtk	300
gtatgaattt	tgtttaatgg	ggagagaaat	tgaccatagg	aactaatagc	agggtgccaa	360
cagagttaca	aaatggaaga	ttctataagt	agaattggga	ggctggtgat	tcaaatgaca	420
tcttttagcaa	aaatccctgg	gaaataaacc	attttcaata	gtttgctaga	aattattttg	480
attgtaatac	gtttctagca	gtgacacagc	aaatttttag	agcttgcaat	gtgatatgaa	540
cagcaataaa	tcaccaatac	atggccgatg	gcctcttcta	ggcagatccg	tctacaact	599

<210> 282

<211> 599

<212> DNA

<213> Homo sapiens

<400> 282

ggcttcatgc	ctcttgatgg	cattcttttag	tgtgtatgaa	ttttgtttta	tggggagaga	60
aattgaccat	aggaactaat	acgagggtgc	caacagagtt	acaaaatgga	agattctata	120
agtagaattg	ggaggctggt	gattcaaagt	acatcttttag	caaaaatccc	tgggaaataa	180
accattttca	atagtttgct	agaaattatt	ttgattgtaa	tacgtttcta	gcagtgcac	240
agcaaatttt	tagagcttgc	aatgtgatat	gaacagcaat	aaatcaccaa	tacatggccr	300
atggcctctt	ctaggcagat	ccgtctacaa	ctggtaacag	caacctatc	gagtttctct	360
ttatcacaat	accacgaggc	ttatcatcat	tgccatgcct	ttagtaacat	cactttttta	420
aatgggcatt	ttcacaaatg	aatctgcaac	ctacatataa	catgcactct	ttattgaagg	480
ccgtacttac	agtttgactt	tgagtcagct	cagcattcta	aatcaaacgc	aaacagcaga	540
atcatatggc	atagacactt	agcaaactctg	caagggaagaa	taaagacaaa	gttgtaaaa	599

<210> 283

<211> 599

<212> DNA

<213> Homo sapiens

<400> 283

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cttttctca	tcaatagaaa	tgatcagatt	ctaagcaaat	acatgcaact	gaaacaaaca	120
tgtgggttgt	tttgacatc	cagaaataat	atcgtatact	cattaaaaca	atcaggtttt	180
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gaaaagagtt	ccgattggat	cctgtgtgtt	cggtatgctt	tttatttacc	atgtttgtga	480
ataaaccatg	caaaccgtgg	cagaagttag	gatgttagca	tttataaatc	tacaagaaga	540

gtatccactt agaagaaata gctaggagaa ggtccctaca gggggagctt gcttgacat 599

<210> 284
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 284
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 ttcagtagca aaatataaac taggaaaaca aaaataagta ctttaaagac tgaacattga 120
 gcaattccag agagagagag cgagaaagca agtgagaaag agacaaagga gtgatctagt 180
 ctttgcatta aacttattta tttatttact ttaaattcatt catctaatat aaataagtgt 240
 ggattcattt agaagcaaca ctgaccagag aaagagtagc ctatcagggg agatctctgw 300
 tccagaaaga caaggtcaaa ttttctgtg gatatggctc cctgttttac tcctcctcct 360
 gtttgcttc actcctcctc ttctataacc actatcacag tatctgctct tcctttccac 420
 taccatcatc accccacctg gaagtacaat ttttttttc atggaggagt tttgtagaga 480
 aaaaaatttt aaacttttct atgaacctat ggggtttacc tcactcttta taagaaagaa 540
 cactggtggt taaaccccat gcaatgttac ccgtgtgtgt gtgtgtgtgt gtgtgtgtgt 599

<210> 285
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 285
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 ataaaaaag aaattaagat tgatggataa aaataatctc tcaaagattt atttggattt 120
 aatctaaatt taaggtgcc aatatcttta ctctgtaaag aaaattgaat ttttgaggac 180
 actaagtagt ttgagaaata cccttcttta aaatcttctt ctttacctaa atgaacacta 240
 gtgtcctggt tttcttccta tccacctact aattcttagt ctcttcttt cagcacttar 300
 atattcttgt accataggtg ctattcctgg acatctctct ttgtactcag cacagcatct 360
 tcctacttca actcttatct tttggttctg acttccaatt cttatcacta attcattgct 420
 gttcagaccc agtttatata aattcacttc tgtgtctacc agttcctcaa aacggaaacc 480
 atcattcctg aatcatcttt tcatttctcc cttttcatgt attttgcac tcaatgtgag 540
 gcatcacgta gttaaacaaa taaaaaatat gggctatatc cagcacacgt accccacat 599

<210> 286
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 286
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 caatttttgg tttgttctag ctcttctcct aactacctgt atgatcttca gtagatcttg 120
 ttcccacttt tggctcaaatt tttcttattc tttaaaatgg acataataat aatttcatca 180
 agttcttata agataaaatg agatgtcatc catatagtca cctataagta acaaaataac 240
 tcataaatta ctttctttag tcacttgaat gattacatta accagattaa atatcacaty 300
 gaaaacagac aaaacaaata tcatactact ctttatattc aaagatcaat ttgatttttg 360
 agtaattttc caccatttca aagatgcatt caaaacatgt atacatctgc agtcatccaa 420
 tttcatttac cattatatct taagtgtttt ttcatatctg tgcaccatat tcaactgtact 480
 caaatattgc atatttatcc actgataagc ttggccacat gtttattttt tctattatga 540
 ctatcaatta tatctattta tctaattattc taaatatctt gtattgaata catttatgt 599

<210> 287
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 287
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 acctttttca gtagcccccac gattcttgaa tattctattc tgactcatta catctttttt 120

ctcttaattt	tttaatttta	gaagtttcta	ttgtcatatg	ctcaagctca	gatattcttt	180
ctgcagccat	atctagtcga	ctaagtagcc	catcaaaggc	attttttaat	ttgtgttaca	240
gcagttttga	tctccagtct	tttaaaattt	cttctcataa	tttccatctc	cttattctty	300
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 <212> DNA
 <213> Homo sapiens

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<400> 289						
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<400> 290						
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gttcatagaa	ggaatatatt	aagaacgtat	agggaagacg	tgctctatga	gaagcgagac	540
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<211> 599
 <212> DNA
 <213> Homo sapiens

<400> 291
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 ggaatgtgaa atcagctaag agccaaaaag tcatcattag atttggtaac cagtaggtaa 180
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 tttgtgggtt ttgttgttgc tgtttgtttg tttgtttgtt ttgagatgga gtcttgcctc 360
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 ttcaaagtat tctcctgcct cagcctccct agtatctggg attacaggca catggcacca 480
 cactcggcta atttttgtat ttttagtaga gatgagggtt cattatgttg gccaggctgg 540
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<210> 292
 <211> 599
 <212> DNA
 <213> Homo sapiens

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 ctgtgttgta taataaaaaat acaaaaacaa attttatttg atttttattt ttcagaacat 240
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 tgtctaaatc caaacatata aaagaactgc taacataata acatatgtac taacatagta 480
 tctcacttca tttcaggagt tctcctgtct gttagtctaa accaaattca gtttaactaa 540
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<210> 293
 <211> 599
 <212> DNA
 <213> Homo sapiens

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 gctctagggg agaattcttg ctttgctttt tctagttttt agaggctgcc tccagtcctc 240
 ggctcctggc tcttttcccc tatctgcaaa gccagcaaca ctgcatctct ctaacactcy 300
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 aattaaattt acaaagtccc tttgccatgt aacatattta cagggctctg ggattaggac 480
 atggacatct ttgggtgggag gacattatcc tgtctacctt ggacaattac tttgtgtttg 540
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<210> 294
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 294
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 cacttgatcat gtaacaaagt ctctattggg tttacttata tttgcagttt acaatgaatc 180
 ttataagttt actagccaag tggaatatct ttttctttgt ttttgcagat ttttttttcc 240
 ttgtgggtctt tgtgattctt tttcttttta aatgacttca acttttattt tatatacagr 300

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tttcacgtag	tccccagtg	ctattgttcc	aattgttatg	tccacgagta	cccaatgttt	480
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<210> 295
 <211> 599
 <212> DNA
 <213> Homo sapiens

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<210> 296
 <211> 599
 <212> DNA
 <213> Homo sapiens

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taaattatca	atagattata	agctctgtta	ttttaagaaa	atagtgtctc	tcagacctta	180
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attaattatt	tttaattggg	tattttaata	cataataaag	caatgttatg	tatagattcy	300
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atagcttagg	aatttgaaaa	actttgaaat	tgtctcgctt	ctcatagagc	acgtcttccc	420
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gttaaaatac	actttttacca	gagagacaaa	taaaatgggt	acagcccata	tgctttaatt	540
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<210> 297
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 297						
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gtcctgctga	ggctcaatgc	cagctgaaac	catacccttg	ctcacatact	ttcccttctc	180
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<210> 298
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 298

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tggtggatat	taattatttg	aaaacatttt	agagaacctt	aactgaagaa	agaactaagg	180
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agaaagttaa	ccattttgtt	tccaagacaa	aactgtgtgc	tttgactat	gctgagcacr	300
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aatcttcaca	taatacttct	tgctaatttg	aaaaatgaga	cattggttta	gaaaaaatca	420
aagagcttat	atataaatta	aaattctaaa	atcaccttgt	ggttttaata	tattatctat	480
aaatgtataa	ctttgtacag	aaaaaaagtg	ttttccgaag	aatttttaaa	acttaattta	540
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<210> 299

<211> 599

<212> DNA

<213> Homo sapiens

<400> 299

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caaatagcc	agaaataaat	acacacatct	atgggtcaact	gatttttcgg	caagaatgcc	180
acgaatacac	aatggggaaa	gaatagtctc	ttcaataaat	aaaagtgaga	atctgtaact	240
gctgatggag	aatgcttgct	tcatctccag	cctgtgatgt	agtgttaagga	tgagggcccy	300
gtgacctggg	aagcttgagg	ttctgtggat	gactgaagaa	gtttttcacg	agaggcattg	360
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cccaggtaga	gtgcagaggt	gtgatctcag	ctcactgcaa	cctctgcctc	ctgggttcaa	480
acaattatcc	ctgcctcagc	ctcctgagta	gctgggatta	caggcacgcg	ccaccatgcc	540
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<210> 300

<211> 599

<212> DNA

<213> Homo sapiens

<400> 300

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acaccaattt	aggagataac	tctcaccccg	gtcaccacct	cgtcttttct	gttaagctgg	240
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agctcagcta	ctgaccagcc	ctggatgtct	gtgacacagt	atcatgtttc	aggacaacga	360
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ataaacaata	taaaatcttc	ccatttcta	gagcatgcaa	atcaagctct	aaaacatgaa	540
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<210> 301

<211> 599

<212> DNA

<213> Homo sapiens

<400> 301

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ctgggtataa	tgatacta	atattttcct	gtgagaactt	ggcaatatat	tacatatata	180
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accaaagtgt	gtcatatgag	acaaaatttt	gccatgttgc	ccaggctggt	ctcaaactcc	420
tgagctcaag	tgatccaccc	acctcagcct	ctaaaaatgc	tgggtttaca	ggcatgaccc	480

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accatgcccg gcctcaacta attttctaac taaaatattt ctcaaattac taatcaaagg 540
acttaatcac aatttggtca agaatagaata tacatgtttt atacatgtgt gttggtgtg 599

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<210> 302
<211> 599
<212> DNA
<213> Homo sapiens

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tagttctttt cattgcattt acacagatac acacacagac acacacatat aagagcatgt 240
gcacacacat accagtcttg caaggaacag aacttttgaa tattaataaac aacattagar 300
gttatgtatg aggtaattta aattcagttc aatagggaag tattttgact tcagctaaaa 360
aagaatgtga taaaggatct cgatgcctga tattgaaatt cagtgtctac accttatgaa 420
gtaactgggt ggctctttta aaatatattt tttgaataga tcaacttaat aatcattctt 480
aatgtaaaat tttatgcatt gtctagaaaa tttcagcacc tcaacatccc aacttaattc 540
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<210> 303
<211> 599
<212> DNA
<213> Homo sapiens

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<400> 303
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ctccctctgt atttcccat ggctttctct ctcacagcat ttaagtctct gctaaattgc 540
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<210> 304
<211> 599
<212> DNA
<213> Homo sapiens

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<400> 304
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ggatttaaaa aaaaaaacg gttttgggaa aactgtatct ccaactgcag ccacatgcag 180
aagaatgaaa ttggaccctt attttacacc aagcacaata atcaactcaa aatagtttta 240
agacttaaac atacaatatg aaactgaaaa ctattagaat aaaacatagg ggaaaatcty 300
gacattggtt ttggagatga ttttttagtt atgacatcaa aagaacagag caaacttgga 360
caagtgaat tgcattgaaac tacaagacct ctgcatagtg aaggaaacaa ttaacagagt 420
aaaaaggcaa cctacaaatt gggagaaaat acttgccaat cttttatgca ataagaagtt 480
aacatataaa atatgtaaag aacttatata acggaatagc aaaaaaccct caaataactc 540
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<210> 305
<211> 599
<212> DNA
<213> Homo sapiens

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<400> 305
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taaagccttc	taatagctta	tctatacact	gataatcaaa	caagtaaaac	tagtgcatgt	540
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<210> 306

<211> 599

<212> DNA

<213> Homo sapiens

<400> 306

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caaaaaacag	agtctgagga	atatttactg	cattcagtca	caaagtccag	catgcaaccr	300
agaattacta	gacacgagga	aaaacagaaa	cattgacaaa	tgggccagag	aagaattagt	360
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gtgaggaatg	tgtaacaaa	ttaaaagtaa	aatataatgg	gtgatatgat	ggagaatttc	480
agaagagatt	tggaaactgt	aacatacaaa	taaaatggaa	atctttgaat	tataaaaaata	540
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<211> 599

<212> DNA

<213> Homo sapiens

<400> 307

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aaaacaaaac	agctatgtga	ctatctctat	aggtacttaa	gtattctgta	aaagggaaacr	300
tgactaaatc	ctaattgttt	attgaaagct	ttgcccatat	tcaggtttcc	ttaattatta	360
aaatttaatc	ccagcattta	gcaaggctga	ggtgggaaaa	ctgcttgagc	ccaggagtcc	420
aagaccagtc	tgggcaagat	ggcaagacct	cctctctacg	aaaaactttt	ataaatcagc	480
cgggtgtgtg	ggcatgcacc	tgtagtccca	gctactcagg	aggctgaggc	aaaaggactg	540
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<210> 308

<211> 599

<212> DNA

<213> Homo sapiens

<400> 308

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cctctcctct	cctcctctgt	gctcctgtcc	ctccctcccc	ctagcaagggt	ccaggcaaaag	180
ctggagatga	ggctgagatc	cagagtttcc	tagaacgcaa	cttaggatgg	ctaggaaaagg	240
gaagcctgac	tgctcgggtca	ggagggtgca	gtatctcttg	ctgggaacac	agccagttty	300
cacaatgcct	agactgtgta	tgtctatttg	cacaagattg	tcttttctcta	ttttggagtg	360
gtcagacatt	ttatttttgt	tcaagattat	ctggcggttt	agacaaaatt	gcaaaaactgt	420
gcttttattg	actttttgaa	taaacttttg	tattctggag	caaatgtatt	tattttattgg	480
tatgtgcaat	gacaaacttg	gtattttccc	atgttgacat	tatgtatgtt	gtagaattta	540
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<210> 309
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 309
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 acaatgagat accatttcat tctactagg atggctatca tcaagaagac agataacaaa 180
 caagtattga caagaaacca gaagccctct tacactgtcg gtggatcatgt aaaatggtag 240
 agctgctttg gaaaatgggc tggcagttcc tcaaaagggt aaacatgtaa taaccatacr 300
 acctagaaat tccacgctta gttccagcca cactggaatg ctcacatttt ccaaagtgtat 360
 acactcaaga gaaatgaaaa cattaagtct acacaaaaat ttgtacacag atatcagtag 420
 caacattatt cataatagct aaaaggcaaa aattcaatgt ccatcaattg attaataaat 480
 aaatgaaatg tggatatatc acacaatgaa atattattca gccataaaaa aagtactgct 540
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<210> 310
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 310
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 ttactgctga gcacttaaca atgtgacaga cactatgtca ggctctgaga ttagaatgac 180
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 ttttctgcaa tacaaaaaag taattatcac atagtggc tcaataaat attggattaa 360
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 ttttccactg gtccttcaac ctattccttc tcaatctctt tcactgggtc ttctttaatc 480
 cccttcccca ataactttgtc tcagcctggt ctttctttat actttccttc agcaaaactca 540
 tttattcaag gaatacactg taatttccaa aatgtgtact tctagttctg acttttccc 599

<210> 311
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 311
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 acaccccagg aacctgggtg tgcggtaaac aagtaatgtg gctcctggtt tatatttttc 180
 ataacacata atagttttaa actgtatcaa gtatcatagg agcaaaatgt tgacatgttt 240
 agaaaagctg ctgggagatg tttctacttt ctaggccctg tggaaagact catcttggr 300
 gagggaaaag gcttccaaga atcttccagt tatgcaaagg caaggcccag cggtagatct 360
 ggacagagta gggattgaga caaggatgaa ggggcttttc cgaataaagt tgtgttttcc 420
 tttgatgaaa agttgttgtg tggtaaaatt tgggacttcc tctggtggcc cagagatggg 480
 aatttgacag cctggggact gaagaagaga ggacagggtt taaagaccta ggatttttgg 540
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<210> 312
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 312
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 tatttttcat aacacataat agttttaaac tgtatcaagt atcataggag caaaatgttg 180
 acatgtttag aaaagctgct gggagatgtt tctactttct agggcctgtg gaagacttca 240

tcttggcaga	gggaaaaggc	ttccaagaat	cttccagtta	tgcaaaggca	aggcccagcr	300
gtacatctgg	acagagtagg	gattgagaca	aggatgaagg	ggcttttccg	aataaagttg	360
tgttttcctt	tgatgaaaag	ttgttgtgtg	gtaaaatttg	ggacttcctc	tggtggccca	420
gagatgggaa	tttgacagcc	tggggactga	agaagagagg	acagggttta	aagacctagg	480
atttttggag	gagctggggc	taatggagag	tcagccatga	aagaactccc	taggggtgga	540
gatggcaggt	gggccatggt	ttcagtaaga	tgctattcag	gttttcctcc	tgcactgta	599

<210> 313
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 313	
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atgtttctac	tttctagggc
agaatcttcc	agttatgcaa
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gtgtggtaaa	atttgggact
actgaagaag	agaggagagg
gagagtcagc	catgaaagaa
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	300
	360
	420
	480
	540
	599

<210> 314
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 314	
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ttgtctctac	taaaaatata
ctactcagga	ggctgaggca
ctgagattgc	accacagcac
aaaaaaaaaa	aaaaaaaaaa
actatacaaa	cacagtgaac
gaattcatgg	caaaaatctg
tgctgccaga	ggttgcaccc
ctagcaggta	aattgtttaca
tttttcttcc	attaggtccc
	cttaatttat
	ccccactttt
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	120
	180
	240
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	360
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	480
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	599

<210> 315
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 315	
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gcacaaattg	gtttagtcac
catttagttc	agagtgtggt
ctcacacaga	tatattaatg
gctttccagg	caaaaagaag
caaagtgtcat	ttcaacagca
atctgaggat	acccactctc
caaagggcac	agcgtactag
gatttctctg	ggcaaaaact
	acagtgtgct
	cacaaagatg
	caggaggagc
	atttcaaca
	60
	120
	180
	240
	300
	360
	420
	480
	540
	599

<210> 316
 <211> 599
 <212> DNA

<213> Homo sapiens

<400> 316

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aaagtacagg	gtttctttgg	gggctgaaga	aattattctaa	aattgggtgt	agtgatggtt	180
gtacaactct	gaatatgctg	aaacccaata	aattgtacac	tttaagtggg	tgaattgtat	240
gatatataaa	ttagatctca	agaaagctgt	tatcaaaaaa	aaaaaagact	tccctcctcy	300
atgttctatg	aaacctgttt	tttggggttt	tttttttgtt	ttgttttgtt	tttttttttg	360
gcagagtctc	actgtgttgc	ccaggctgca	gtgcagttac	acaatcacac	ctcactgtag	420
ccttgacctc	caaacttcaa	acgatcctcc	cacctcagcc	tacagagtag	ctggggctac	480
agggtgcacac	caccatgccc	agctaattga	aaaaaaacaa	acttattttg	tagagatggg	540
ggtcttgtta	tgtggcccaa	gctggtctcg	aactcccagg	ctcaagcaat	ccttccacc	599

<210> 317

<211> 599

<212> DNA

<213> Homo sapiens

<400> 317

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ctaaaatcac	atgagccaac	tgcttaaagt	aaatctctct	ctctctccct	ctctccactg	180
tggagtcccc	atttgtggaga	gtcatacacc	ttaccacagg	caggaaatca	agggtgttag	240
caggaaaatg	agacccagg	gcccacaaaca	ctgagcagaa	gggagcaagg	cctgtaacts	300
caaagttag	aatgaagagg	ttagagaagg	aaagcaggag	atgggacaga	atgcacagaa	360
cagcatatgg	gacctggact	ttgaacgatg	ggtagaattt	tgatcagggt	taagggaat	420
atgatgaaca	cctgccaata	gtagacatcc	acaatctttg	aatacccttt	cttcatttga	480
cattatccac	attgagagtc	tcagggtctc	aatgtagaat	ccaacaaact	acatttcctg	540
gcctctcttg	ctactaggca	aatagttaac	tgtttccccg	atcagacata	cccgtgtcc	599

<210> 318

<211> 599

<212> DNA

<213> Homo sapiens

<400> 318

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gcaacttttg	agaaatgctt	ttagacata	cccacagact	gtccctgtgg	ctataaaaact	180
gtttgactca	ataatacctg	tgaataact	gagaaggggc	acttactaat	tttctgtgg	240
gtgtttccag	gcatggcagt	atagcatttc	ccatcctctg	cagttgtttt	cccctttgag	300
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ccctcatatc	aaacaaaaaa	aaaaggttgg	gaaacaaaaa	tgaagggtcag	aaattaaatc	420
aaatagcaac	actagagaaa	tagctcaaaa	aaaaaaacgc	caaaagatga	ggtttccaag	480
taaaaaatta	tcaaagcaca	agtgtaaaaa	gtaaagtaga	gatttcctct	caaagagact	540
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<210> 319

<211> 599

<212> DNA

<213> Homo sapiens

<400> 319

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cacacttcgg	agacaaaatga	gaaactctta	ggcaggggccc	ctgctaaggc	cccaggagg	180
ccctgatttg	ggggcagatt	tccttttccct	tttgctcctt	agaaaaagct	ccttttgcaa	240
gaagtttccc	atatgtttgc	tgagctactg	ggagcagggc	caggatacca	agagacgggk	300
tagatcctcc	gtggaaacct	gctgttcagt	tttcccacca	caagccctgc	cctaggggagc	360
ccctggtgca	gggtggcaga	gggaagaagc	ctggcagtg	cacacattgt	gaggaatcta	420

atcaaggatg	gcttcctgta	caaaggactt	tgagacaact	tgaggatggg	gatggcattc	480
ccagggaatg	gcaggcgga	ggacagctga	gatagaagct	cagggcaaag	atgaggagtc	540
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 <211> 599
 <212> DNA
 <213> Homo sapiens

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gtgcagtagt	gctttctata agaccaactt gcctttccac ttggttgaa aatttaaaaa 180
ccaaacctgt	cgtaatctat ctgttctgcc cctccgcct gtatcatgag atgactgaaa 240
attccagggtg	gccataaact caaacaagag cctagccctt ggcttattac cgggtggctay 300
tacaaacctg	cagaccagag cccagggtag tatagagtcc caactctggg ccctgactgc 360
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atctgagggc	cacttggtcat cctgagttaa cacagggatg ccgcagctgg ggtaaggaat 480
tagagaaggg	aaggccagtg ttactgcagt aagagaaaac caggaagtcc atctaggaga 540
tgaaatttgt	gcttgcataa cagagccatg gaaatggcta tcccagcatc tcccctcac 599

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 <212> DNA
 <213> Homo sapiens

<400> 321	
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atgagtcagc	accattttatt gaacaaccag gctttcaaat gttgattcaa aatgctaccc 180
ttatagtaaa	ttcacatcta tgttttgatt tctctctgga ctctccattc tgtgccaatt 240
atcagtctac	catgtcagta gtgtactgtt ttattttacta tagcttaata atatgtttck 300
ttatcagggtg	gagctaactc attatcattc ctcttatcta gaattttact gcctatacgt 360
acaaatatct	tttccagatt aacattataa tcactttcta agccattggg aggattggta 420
tcacaattaa	tgtatacatc tattttattga taattaccat ctttataaaa ttaagtttat 480
tttgttttata	gccaaacatt agttgtatct tcattttatt tagtcttttc actcctcagt 540
agagggtttat	aggttctaaa cactttttct caaatgcatt tctgggcatt tctgctttt 599

<210> 322
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 322	
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acgctttcca	cctgcactgc caagatggga aacagaaggc tgatcgtggg ggggtgtcca 180
tattgataat	tttctggggg cctctggggg cactgggtatc ctgtgggtatc tgggtttggg 240
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tccaaagaga	atgttgaaaga ttatattatt taagggaatc acagtgagtt cagcttgta 360
agtacagggt	ttggcacacg atcactgac aaaacagaat gaatgaatgc acactatttt 420
tcactgaccg	cagttttcct aatagaccct ctctgctggc tggggccctt ttcaaataag 480
aaggagacag	gaattaagggt ttccaattct tacactttct gctttctgct ttgggtcagc 540
tctgtgactt	tgggtcctca tttaaaatg agacagggtg atctctatag ggtcttcca 599

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

<400> 323

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cacctgctga	ccagtttttg	ggaggcagcc	tgagtcttca	agttcttact	gagctccaac	180
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gtatgttctt	tataaacact	aagaagaaaa	agtaggggag	gggagataag	aaatgtcaag	360
gtatgtgtga	gaatttcaga	atggcagggg	gggcgtcact	gaggtagctc	ttgagtaaag	420
accagaagga	agtgaaaaac	agcagtgtac	gtgtctaggg	gacacagtga	ggacaaaagt	480
cctgaatgcc	tggcatgaag	aaggaaatgga	gtggatacca	ggcagtaaat	ggtgaggaga	540
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<400> 324						
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atggctatag	gctgaagaag	gagcaaatga	caaggaaagta	gagatggcaa	gtacagccca	180
ctgtatatgg	agctggcatg	aaaagaaggg	ataaaagtta	cagtataaac	ttgaggggtga	240
cttttctaag	ggaagagaaa	agcatgttta	catattttaga	ggaaaaatgt	cagaaaagaw	300
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tggagtgggt	tcaggtgcat	atattaataa	aaggagtggg	gcagggacag	aaagtcaagg	480
gggttcattt	ctcattgcct	tcgttttctt	ggtaaaggat	atgtttgggc	cattatctga	540
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<400> 325						
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gcagttttgt	ctacttgccc	acttctgcat	ctgcagtgcc	cagagcagag	cctattatay	300
ggtagacttc	agcaaatatt	tattgggtgc	atgaatgaag	ataacagcat	ctgggttata	360
caaagtgcct	tgaataacct	ctctaactga	atgtaagctt	atagatatgt	tatatagcaa	420
ctgaaaagcg	taattgggta	aataagggtg	ggacagggtt	gcattgagtg	actgatcatt	480
cacagtctcg	tttggttag	atgggtgtta	tcaagcagta	ggtggctggt	tttaaaatgg	540
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 <213> Homo sapiens

<400> 326						
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aggagtgtga	gtggatggta	taggtgctcc	actcatatcc	cattggttca	cccttgaggt	180
catcttcaga	cagtccctgc	acacaaactg	agctcctatg	tctctctgca	taaagctgct	240
tctctggcct	ggggagcaag	ctagggagag	ttaccactcc	cagagcaact	cttaaacaay	300
gaaggagagg	agctggcaga	taaacacctc	agcttccttg	ttcttcaggg	gctcaattct	360
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<400> 327
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 taaacattag cctggagctg tgcgtctctt gtctggtttt gatgcttttt ttgttttaac 180
 taaaggctca tgttgtttgt ttaatcttca tcagtactgc aaaaacacat ggtataagac 240
 ttaactctgc cccaagcacc ctacacataa gaagggattt tcatctgaat tagtttgtaw 300
 ttcaaagagc actgggatag ccagattgct aagaatttgc tcaagtaaaa ctttagaact 360
 attggaatct tagagatgtc ttgaatggat ttgttaggat aggatggctg ctgcctgaga 420
 atcctctttg aacctgacac tatttttttt ttttttgagg agacattctt tgtaatactt 480
 tgtgctactt ttctctctag gttaccctga agagacttac ccaatttatg acctttcaga 540
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<210> 328
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 <212> DNA
 <213> Homo sapiens

<400> 328
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aaagaatcac	aaaaaaagtca	gtttaattct	acctaattcc	tctcttttgt	gtttttcata	360
acttgattat	gttgatggct	accttctttg	ccactgggag	atactttata	caataattat	420
agctttaata	tcttcttact	catcattaac	aatgggcaat	taagtattat	tctgttggtc	480
ttaaaagtca	tggttggttg	gccacaactt	tgttaccaag	atctgagaga	caaaccaccc	540
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<211> 599

<212> DNA

<213> Homo sapiens

<400> 349

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gcggcctagg	tgccctcagc	tttcagcttg	gcatatggga	attttgagc	ttgttgggag	180
gccccaggga	ggatggagac	atagtgtctg	caccactgcc	gttttcagag	cctcagaaca	240
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taaacaatat	ataccgacag	gatgtgaatg	aataaaagat	gagtaaataa	aagcacaga	360
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tggcaggaca	gggcagctag	tggtgtctgc	ctcagccttc	ctcctcactg	gaagcagcca	480
ctctgcccac	cctctgtacc	ctaaccctga	agccctcctg	acttcagcag	attctacatt	540
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<212> DNA

<213> Homo sapiens

<400> 350

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agacatagt	ctgccaccac	tgccgttttc	agagcctcag	aacaatctgt	atccttgggc	180
cttttccata	agagggagt	tggaataaca	tatgatttat	aatgtaaaca	atatataccg	240
acaggatgtg	aatgaataaa	agatgagtaa	ataaaagcac	aagaataaat	aagcatcctr	300
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taccctaacc	ttgaagccct	cctgacttca	gcagattcta	cattaggagc	tgacctcttc	480
acactggggc	agtttggtgc	acagaaaaag	cacagaacag	atactaacta	gcattttaac	540
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<210> 351

<211> 599

<212> DNA

<213> Homo sapiens

<400> 351

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aggctgcatt	agggcaggca	gttttgtcta	cttgcccact	tctgcatctg	cagtgcccas	300
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ttgagtgc	gatcattcac	agtctcggtt	ggcttagatg	gtgtttatca	agcagtaggt	540
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<211> 599
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<400> 352

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ggtttagcagg	aaaatgagac	ccagggtgcc	aaaacactga	gcagaaggga	gcaaggcctg	180
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acagaacagc	atatgggacc	tggactttga	acgatgggta	gaattttgat	cagggttaas	300
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tgtccaactt	tgggttgaaa	gttatctgtg	agaggaaaca	gcagtgcctg	cttggcctac	540
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<210> 353
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 <212> DNA
 <213> Homo sapiens

<400> 353

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aaaactaatt	gtctatacac	taaggaacaa	tctgaaaaca	aaatttataa	caacatcaaa	180
aagaataaaa	tacttatgaa	tatatttaac	aaaataagac	tttcacacta	aaaactacaa	240
tctcctttaa	aataaaattaa	agacctagat	aaataaaaaa	gaaatcctct	gttcatagay	300
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<210> 354
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 <212> DNA
 <213> Homo sapiens

<400> 354

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tggctccttag	gcatttttat	cttcatggac	tccattaat	ggggattaat	gtttatatta	180
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tttttcataa	cacataatag	ttttaaaactg	tatcaagtat	cataggagca	aaatgttgac	480
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 <213> Homo sapiens

<400> 355

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catggtcctt	aggcattttt	atcttcatgg	actcccatta	atggggatta	atgtttatat	240
tatatgacca	cattggcata	aagataaata	tgtagtatt	atatattaag	acatgttcty	300

tgacctaaaa	atctatTTTT	ttcctcctga	ttttaagaga	aattaaaaaca	tgtagtgct	360
cactgtgcct	gatggttaaa	taggccctac	ctcgctaagt	tcacaaactg	ctgcttggtt	420
agcaacttac	accccaggaa	cctgggtgtg	cggtaaaca	gtaatgtggc	tcctggttta	480
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cagagcagct	cgtgggtaca aggaaagacc ttcccagatg tcaagtaggc aggacacctg 240
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gtggcttcac	tttgtcctca gggtagtgtg acctcctgtt tcccctttgc acgcacactg 480
cgctcacctt	cacacgagca caccacttc ttcacagggtg tctgcatgca catgtgcaca 540
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gtttaattct	acctaattcc tctcttttgt gttttcata acttgattat gttgatggct 180
accttctttg	ccactgggag atactttata caataattat agctttaata tcttcttact 240
catcattaac	aatgggcaat taagtattat tctgttgtgc ttaaaagtca tgttggttts 300
gccacaactt	tgttaccaag atctgagaga caaaccaccc agcatgaatg acccagtcag 360
gttcaagaca	tggcaggctc tgcctggcct cagggactca ctaagactgc catggtcctt 420
aggcattttt	atcttcatgg actcccatta atggggatta atgtttatat tatatgacca 480
cattggcata	aagataaata tgtagtatt atatattaag acatgttctt tgacctaaaa 540
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ccttctttgc	cactgggaga tactttatac aataattata gctttaatat cttcttactc 180
atcattaaca	atgggcaatt aagtattatt ctgttgtgct taaaagtcag gttgggttgg 240
ccacaacttt	gttaccaaga tctgagagac aaaccaccca gcatgaatga cccagtcagk 300
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tctatTTTT	tcctcctgat ttaagagaa attaaaacat gttagtgtc actgtgcctg 540
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 aatgaaacag tcttaattct gtttcctaag tcatgggaaa tcagaagccc ttatcctaaa 180
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 gcagggacag aaagtcaagg gggttcattt ctcatctgct tcgttttctt ggtaaaggat 360
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 gtgaagggtt ggaaatgggc aaagagggtat tcaggaatca ctccagcttt gcacaggggc 480
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 <212> DNA
 <213> Homo sapiens

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acatttccag gccattctcc ttctttagat cgaagtatca ccacttctta gttggatctt 540
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<212> DNA
<213> Homo sapiens

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<213> Homo sapiens

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cacctcaggc cccaggtag ttgggatcac aggcacatgc caccagccc agctaatttt 540
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tgcaacattt	gggtgtgaag	tcaggagtgc	ctatcctcac	ctaggtctat	aggcacaggc	540
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<213> Homo sapiens

<400> 367

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<210> 368

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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

<400> 369

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<212> DNA

<213> Homo sapiens

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<210> 375

<211> 599

<212> DNA

<213> Homo sapiens

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<210> 376

<211> 599

<212> DNA

<213> Homo sapiens

<400> 376

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<213> Homo sapiens

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<210> 378

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<212> DNA

<213> Homo sapiens

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aaataagcca	aatattgtac	acttccactt	atatatggta	tctaaaatag	tcaaactcag	540
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<210> 379

<211> 599

<212> DNA

<213> Homo sapiens

<400> 379

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<212> DNA

<213> Homo sapiens

<400> 380

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<210> 384
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<400> 384

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<211> 599

<212> DNA

<213> Homo sapiens

<400> 385

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<210> 386

<211> 599

<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<213> Homo sapiens

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<213> Homo sapiens

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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

<400> 409

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gagagctaca	tgtttcgaca	gggtgaggct	gggcctggga	gctcactacc	tctaccaatt	540
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<210> 410

<211> 599

<212> DNA

<213> Homo sapiens

<400> 410

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ggagccaaga	ttggaggcat	ctgaagggtca	ctgtaggacc	ttaaaaatac	caggggaggg	180
tactgtgaga	aacagattcc	catcaactgt	ttactaaaca	ctctatgcta	tttaaaggga	240
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ggaggggggt	ccagtgccct	tggcagcctg	ctgtaacctt	ctgacctctt	gtgtccagcc	360
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tgtccaggcc	cttccctcaa	agaagctgca	aatctaagtaa	gagaataata	tgtgcgtata	480
tgaactata	atttaagaca	ctgtgatcaa	taacctaaag	ggaaaggctc	tgaggacatc	540
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<210> 411

<211> 599

<212> DNA

<213> Homo sapiens

<400> 411

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ctgtccagct	cccttctttg	tcttgaatca	tgcaatatcc	atgcagggaa	aaaaaaaaaa	420
aaaaaaagcc	cttatttgc	gttatgtatc	ctgcctcatt	taatgtatta	tcccagaaaa	480
gtagattgag	ttgtatgtgg	cagattggga	gctgccatca	tggtgggtta	aagtacagac	540
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<210> 412

<211> 599

<212> DNA

<213> Homo sapiens

<400> 412

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aaagaaaact	aataattaga	gagtagagat	aaagtatgaa	gagattagag	agagatgact	180
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gcacggatac	cctgtccagc	tcccttcttt	gtcttgaatc	atgcaatatc	catgcaggga	360
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aaagtacaga	ccaggtagta	cagaaccagg	tagcctgggt	tggaaccag	cttcagtact	540
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<210> 413

<211> 599
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 <213> Homo sapiens

<400> 413
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 ctctgcttgt gtgtgtgaga ttgaaagct tatcacacat gtggctaaaag caggtccagc 240
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 gcatgggtaca atgctagttt tcatttcaag tcctttcttg atgtcactga tgggtgcaat 420
 gagtggagtg gggggacctc aggcccttc aaattctttc tttttgttg ttgttattta 480
 gtttttattt cataatcata aacttaactc tgcaatccat ctaggcatgg gaggaacaa 540
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<210> 414
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 414
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 taattaatgt ttttgagcac ttggagttct ttggagaaag gcctttataa atataaggca 180
 tgattaaagg atatcagttt gctaactctc agaggaaagta cttaatggga tcaggcctgc 240
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 caatggcttt tcctcactct gcattttcct tgcctttct ggaacatgac actggtcact 480
 accctcctc acccttgaaa gtcttattct gtcattcca caagccaac aggtctaaac 540
 tgaagtcac attgaccca aaccaattcc catcattact gccctatttc tcttcacca 599

<210> 415
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 415
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 acgtctcacc agtaactttt tttttggtgg ggggtgggt cctggcaaga gatgggtgat 180
 gtaggaatgg cctagctgca gaaggaggac agccaggtag gacatctgcc tggctcacct 240
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 gctgggagag tgcattaatt aatgtttttg agcacttgga gttcttttga gaaaggcctt 420
 tataaatata aggcagatt aaaggatatc agtttgctaa ctctcagagg aagtacttaa 480
 tgggatcagg cctgcatatg ttgatgactg agtttcattc ttcattcaga tctgcacagg 540
 gctcccatca ctcagctctg ccgccattca tgtagtattc ttctgttctt tcatttcta 599

<210> 416
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 416
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 agatgctgtc tgttctctgc aactcctaag tgttctctct tcacctccat tgtctgccac 180
 gaaaaaaaa atgctacatt gtacacacat taaaatggat cactcaaaag tgtctgaaaa 240
 aagcaagagg aaaacatat ctaattccaa atgtcaaaaa ttaagtggct cctccttgar 300

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caatacagta	ctctcctgcc	caaggccctc	caggccttca	ccacaaacca	tgctgcaggg	420
acaggacgta	agcactgcct	ctgatatgga	gcacttgctg	cgtgtctgac	acacacttta	480
catacacaat	cttctcta	gcttccagta	atcttacagg	tagaattttg	tattattcct	540
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<210> 417
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 417	
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<210> 418
 <211> 599
 <212> DNA
 <213> Homo sapiens

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tgttattggt	tgggtctcagc atttgctggt agtaaaataag taagcagaag taagctgctt 180
aagtcccat	ttagtccaag acagagcaga caaaagacct gatccccaag cccacacct 240
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<210> 419
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 419	
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caatactttc	ttatactttg ggaacttgat gtgttatatt ataggtaaac attttgaaaa 480
caatcaccag	agaggtgtta tacaagagca taatgatatt ctatgaggaa ataggatcct 540
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<210> 420
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 420

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cagcctctcc	cctcactgag	ccagattcca	gcctccggcc	ataggtgaaa	gacaatttcc	180
gattattgtt	ttcaaacatt	ctacatccag	cgcataaaaa	cacaatagtg	acaggaaaaa	240
tacacacaca	cacatacaca	cacacacacc	ccacatgcac	acaacacaaa	ggtttaagcr	300
ctcactataa	gaaggtcagg	ggaccctttt	ctcattccag	tccttgatgt	ggatccaagg	360
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caagcttcct	ccagcaaaaag	gtgacttaga	gggtgtttgtt	caataatg	aggagactca	540
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<210> 421

<211> 599

<212> DNA

<213> Homo sapiens

<400> 421

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agtcctttag	ttttgctctt	cccaattccc	ttcatcatcc	ttccataaaa	ggagaagggc	540
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<210> 422

<211> 599

<212> DNA

<213> Homo sapiens

<400> 422

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gaagatgcct	gcccattcatt	ctaggagccc	tcagctgaaa	agcaccgtat	tgggccctag	540
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<210> 423

<211> 599

<212> DNA

<213> Homo sapiens

<400> 423

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acgaagcgaa	ggcttttctg	ggatatgtgc	ataaaacagt	actttaagc	taaccttta	180
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ggctcttgaa	tgtgaggctt	agtttcagat	cacaggcctg	gaagggggtc	aggtcaagct	480

gagcagacct tcaagccgat taacccaaga gctgaattgt gttgtctgag ggaaggagtc 540
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<210> 424
<211> 599
<212> DNA
<213> Homo sapiens

<400> 424
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taataaaata aagaaaagaa aatcccaggg ctggaacat tttgtttcct acaaaaagaa 240
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aaggaacctg ggagtgggtt tccacatgct atacatatca acgtagcttt taagttttca 540
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<212> DNA
<213> Homo sapiens

<400> 425
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<210> 426
<211> 599
<212> DNA
<213> Homo sapiens

<400> 426
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aatggggttg gttcttcaca gatcatgtaa agggacaggc ttagccctag aaccaactca 180
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ccactggagt atttgtagga aacagtctaa aaaaagacaa cactcacttc cccttgcttc 480
aggctcttca cagtcaactc cactggcatg tttcaggcac ctgctgtgtg ccaggcattt 540
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<210> 427
<211> 599
<212> DNA
<213> Homo sapiens

<400> 427
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aaataaaatta	tctggagcaa	atTTtagtgca	ttccctttaa	cacctgtccc	atgatggaaa	180
aaaaaagtta	gtaataacac	gtttctgtgg	aggcatttcc	attctccacg	cctcagttcc	240
cactgtaatg	ttaattgggt	atggTTTTct	ttgcttctag	tccttacatg	tgcagctgty	300
aaccaggcac	caccccagga	aatgctgcac	ttaaagggat	aagtaagagg	aactgaatca	360
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ccctcatact	ctcatcatca	gaagataatc	actgtttcta	tttttgtata	tttccttcca	540
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<210> 428

<211> 599

<212> DNA

<213> Homo sapiens

<400> 428

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ggctaaaagg	gtgtaatggg	agaaccaact	ttgtctgata	ttgcgagcat	gggagctttt	180
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gggtcccata	gttgataatg	gacaacatcc	ttgcttggtt	cttgtgcacc	aggtgatact	360
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cccttcagca	tagatctgat	catctctatt	tttacaataa	gaagaactta	gctgataaca	540
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<210> 429

<211> 599

<212> DNA

<213> Homo sapiens

<400> 429

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<211> 599

<212> DNA

<213> Homo sapiens

<400> 430

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aataaatcat	tcagttctga	gtagtcattg	tttatacttg	ctgtaaatat	ggttttatgt	540
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 ggtgaccatg tgtgaaattc aagagtcaac aatgatctag gtaagccagg cagattggca 540
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 caaccccaaca gttccagtaa gcattgccct agatggggct ctctgccatg gctctgcccc 480
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 ctttaagctt atgctcagtg ctgccattg ctagtggtaa ttagtgctat gggtctgata 240

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aaggagacct	acagaatttc	ctaacagaat	gagacaatca	aaacatgagg	atcaaaccac	420
gaaagctcgg	aattgctacc	accccatgcc	tctttgcaga	tcctatggca	tgaagtgggc	480
aatgattctg	acaccagtgt	ggaggtgagg	agccagtgtc	gccccagagc	cttcttgctt	540
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<210> 435

<211> 599

<212> DNA

<213> Homo sapiens

<400> 435

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tttttcaaac	tttctctttt	tttttttttt	ccttttaggc	aagagaagcc	atagggatac	540
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<210> 436

<211> 599

<212> DNA

<213> Homo sapiens

<400> 436

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gagaaaaatt	caggaaaatg	tcttataatt	caagaacaac	aaccagtaaa	taaaatgctt	540
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<210> 437

<211> 599

<212> DNA

<213> Homo sapiens

<400> 437

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gctttgggcc	tctaaccacc	ttcttgtttg	tcattttttc	ttttggaatt	tgggccccag	180
tccaaacaca	ttgcatcagg	catggtttcc	tgggtgagga	ggagagcagg	actatcacct	240
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ttctaaccac	attgagattt	gttttgatat	catgtttatc	tgatctaata	tatgacctct	540
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<210> 438

<211> 599

<212> DNA

<213> Homo sapiens

<400> 438

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tgagcacttg	gagttctctg	gacaaaaggcc	tttataaata	taaggcatga	ttaaagggta	540
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<210> 439

<211> 599

<212> DNA

<213> Homo sapiens

<400> 439

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<210> 440

<211> 599

<212> DNA

<213> Homo sapiens

<400> 440

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<210> 441

<211> 599

<212> DNA

<213> Homo sapiens

<400> 441

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 <212> DNA
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 <212> DNA
 <213> Homo sapiens

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

<400> 445

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aaccaatatc	actcaagctg	ctgatccaca	cttgaatctg	taggcttttc	tcaaagtcct	540
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<210> 446

<211> 599

<212> DNA

<213> Homo sapiens

<400> 446

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atcaagacca	tcctgggctaa	catggtgaga	ccccatctct	actaaaaata	caaaaaaaaa	540
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<210> 447

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<212> DNA

<213> Homo sapiens

<400> 447

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gcaggtgtgg	gaaagcctac	ctgatggccg	agatcattaa	gcagcgggcc	tctgattttc	540
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<210> 448

<211> 599

<212> DNA

<213> Homo sapiens

<400> 448

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gggaaggaaa	ctcacaaggc	atgggtatcc	ccactggaag	aatccagagc	aaaacccttc	540
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<210> 449
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 <212> DNA
 <213> Homo sapiens

<400> 449
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 aggacaaaga caatagctcg tgtacattgc tgccacaagg accatgctga gaactttgca 180
 cacatgacct catttcatcc tccactcgc cctctgcatg gaagactggt gtccctcttt 240
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 gtatgttcat tcaccaagct gcagtgcctt tgaggacaaa gctgaaggag ctcccgtctc 360
 agaatgatgc catttagctc gagggcctgc tccctctggc ttgatggcct gtccagaagg 420
 ctctgccagt gccagatgt aaacatctct ccagcagcgt tgccacgtgg aaccctcacg 480
 ctgctggtcc ctgagaagcc acacggggaa cttgccttcc tctgccctcc tcccaggccc 540
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<210> 450
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<400> 450
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 tgcagctgct ttcagggacc agatagcatg aggagggtag gaaatctttg ttgctatctt 240
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 aaagaaaagt tgataaattt ttttccag ataagctaaa gggtagatgt ggggcagcat 360
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 taagtcatag ttgtatatct ccctactcct agattcctcc aaagaaggat tcaggcttag 480
 ttgccctaac tcaaaaggaa cctctctccc ttggtggcat gggtccaggc cgctgtactt 540
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<210> 451
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 <212> DNA
 <213> Homo sapiens

<400> 451
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 cacataatcc tcttctctcc caggggctcc cgaaagatta ggcttcactt gcaggctcca 180
 ggccctggtc ctgcagagtg gttgggcctt tggggtctct cagagagcct aatcattctg 240
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 ctgattttct gtacagctac tcagtgaact ggaagggatt ctttgcacta acaagcagtg 480
 cctccacaaa caatgagttg aggggaaaga ctcaaaagag gccgatacaa tgctgtttgg 540
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<210> 452
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 452
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 ccatctgaga gagatttcag cacatccatc cccccgaga tccagaaccg tatcaagtcc 180

taccccagtc	ccgcagagca	gcttcttcct	ccacagcttc	tgagctgcac	cgaagcaggc	240
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gggaagagta	agattttacaa	taattgggta	catagcatag	ctgactgggc	tgcacagtgt	360
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ataaacgcgg	gcctggaacc	tgcagcagga	gcacacacctg	ggagcttggt	acagaagcag	540
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 <212> DNA
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gttccacata	cataaaaaaga	aactaaagtg	tagagaaggg	aggaaagtcc	cgaatttagt	180
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tgtgttgaga	cccaaattcc	tctgagtcca	cgggcccctt	caagtcagat	gaaattccar	300
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 <211> 599
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ctgccctatt	tctcttcacc	attctcatgg	gcctggattc	caggctcttc	tctccactgc	180
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tgggcagaaa	tgggatgtgt	atgtccctaa	actgccccca	aagacctctc	tgcactgtay	300
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tatgttcaca	caaacataga	catatgttca	cataccctc	ccagcatcct	gactggccca	540
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<210> 455
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 <212> DNA
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<400>	455					
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catagagaaa	gctgaagagg	ggtgcttgct	tctgtggatg	acctcttccc	accagtgca	180
gcgacactcc	ccttttgtct	atagctatcc	ttagtcaagc	cagggtctgcg	ggaccctaac	240
ccacacttcc	gctgtgtttc	tggatctctg	gtttgcaagg	ccagtggctc	tgtgggcaay	300
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gtgcatttca	taacaatttt	tttttttcaa	actttctctt	tttttttttt	ttccttttagg	420
ccaagagaag	ccatagggat	actgtgacct	ttgtctagag	ttgatggggg	tgtgatttgt	480
gaaataaaac	aggaccgtac	tgcttggaa	aaggaaacgg	aagctgacat	aatggggatt	540
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<210> 456
 <211> 599

<212> DNA
<213> Homo sapiens

<400> 456

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aagggtcatg	gggcattaat	tcagatcaaa	aaaagggagg	aatctatatg	tatccacaaa	180
gatacatggc	aagcatcact	ttttttcctg	aaatatattg	ggctagaaag	ctaatttaca	240
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tgcactttca	tatagtatat	actactagca	tataatatta	cagaatcttc	aggttagaaa	360
actcatagtg	aaagcaatat	acatcttaat	atagtatatg	ctagtatata	atattacaga	420
atcttcaggt	tagaaaactc	atagtgaag	caatatgcat	cttcacataa	tatgtactag	480
tgtataatac	tagcatatga	cagaatcttc	aggttagaaa	actcatagta	aaagcaatat	540
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<210> 457
<211> 599
<212> DNA
<213> Homo sapiens

<400> 457

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cgaaaagatg	atgattttacc	caagggtcatg	tagctaagtg	gtcaaaaaac	taggctgagc	180
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aactctggct	ctttccagtc	ccatggggcca	aagagccaag	acacctcaca	ttctgggtcc	360
caggttccca	gagtcctgtc	aaatgtcacc	aagtccattt	gagtctgtcc	tcctaagggc	420
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gaggaatcag	gggtagagca	gagcttgact	cccacagggtg	tgcaggctgg	agctgggggtg	540
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<210> 458
<211> 599
<212> DNA
<213> Homo sapiens

<400> 458

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tacgtcatgc	aaacaggccc	ttggactctg	tctcatgtcc	tctggcttag	aagcagggat	180
gtttgtaatc	tacaaacaaa	aggtcgtctg	gccaaccttt	tgagatgtaa	tctcgaatcc	240
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gtgggcttca	gtctctccca	ggcatcagcc	ctaaccctgt	ggcatggggc	ctgcccagct	360
gcctcccaga	cgtcacacct	tgcaggctgg	actgtgtcag	cagctgcctt	gctttccttg	420
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<210> 459
<211> 599
<212> DNA
<213> Homo sapiens

<400> 459

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aagaagggtga	acctggtcta	tttcccatag	aattgtctga	ttcatcccct	ttgttagtaa	180
ttagaagaac	aacgtcaagg	ccaaatttca	aacagcaagt	cagcagcaaa	tccaggcaaa	240
cccctcaaac	ttgagcactg	cttgtcttgt	atgccctgtt	atgccagctt	cattcaaatk	300
gtgaccttga	tccaactgag	gaagctcata	ctcaggaagc	actataggat	ctcattacca	360

ctgccagatt	gaccactgtc	ttctacagct	ctgttcatgg	acagtccagg	gctcacagca	420
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<210> 460
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 <212> DNA
 <213> Homo sapiens

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agattttgtc	cactgcttcc ttgagtctag actggcggag gagcaggggc tcatgactat 180
aacatgaacg	tgaaccgtgg atcaaagtgg gtgttcaaga cagctgattg gacaagggtcc 240
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<210> 461
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 461	
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tgaccacttg	ggtgtctgtg ttgccctttc tcagtcctct cactgtgagt agcagctcat 480
tgtattcatt	cactgggacc acacactttc cgtaggattt cctcagattt taatacattt 540
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<210> 462
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 462	
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gagccctatc	tttcttggtc atcccttgct cttccaaggg ctgggtggag ttaagacaca 180
gaacttcctt	gtattttttt catatacact accctgtgtt gctctgtgca caatagggtg 240
taccattcaa	gcagtggaat tggatccctc tagaaccctc actgggcaac ctgaggaacr 300
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catctttttt	gatatttttg atgcaagaag tctggttaat tgataaaacc cagtgtgggc 480
aaaaatagag	ttgtttcttc cccctgcag gcttctctc cccaaccag ttgctaagtg 540
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 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 463

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caagtgggtca	tctcccattt	ccatctccac	atttgagata	agaatacctg	tatctttcct	180
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tggaaattgc	cagctgaaaa	tacacaggta	caatgactcc	cacgctggag	atgaagggtc	360
ccctttccca	tgctttgacc	acgatagacc	gtgtaccttt	gctaagggtg	agagtcagtc	420
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tgatgtttta	aaaggcgaaa	gattttacgc	atttgaagag	aaaccagagt	ataccaccat	540
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<210> 464

<211> 599

<212> DNA

<213> Homo sapiens

<400> 464

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gtattgacta	gggagtcctt	tccccattgc	ttatttttct	caactttgct	gaagatcaga	540
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<210> 465

<211> 599

<212> DNA

<213> Homo sapiens

<400> 465

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agaattcaaa	gaggcttctt	ttgcacaaat	ggaggggaagg	cactcatcac	acttctcagc	180
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agggaaaggt	ggatggggga	gagagagaag	aaagtaagaa	agagagagag	attgagcact	540
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<210> 466

<211> 599

<212> DNA

<213> Homo sapiens

<400> 466

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gatcactaac	accatagctg	ggaaagatct	taaatcatca	cttgattctg	aaccagagac	180
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aaactaaatt	tgcttaaata	ctcaaagaga	aataacatct	actttaaaaa	ggatattgtg	420
aaataaagca	ggcagaaata	agaattggca	aatatgaaaa	agaatgaatt	aaaaagataa	480
aatacacaga	taggataaat	tctagacatg	aaatagatga	agataaaatt	agtgaatagg	540

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<212> DNA
<213> Homo sapiens

<400> 467
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ctaggataga agaaaatgag gagaaagaag aaagaagacc ttactctcta aattagtatc 180
caagcaaaaa tattcaacac taagaaaacc agtcaacaaa atcaacattt gttatctaat 240
cttgtccaaa agaaattaaa ataatggaac aatctgacta aaactttaaa cttaaatttg 300
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agaaataaga attggcaaat atgaaaaaga atgaattaaa aagataaaat acacagatag 420
gataaattct agacatgaaa tagatgaaga taaaattagt gaataggaag atagtattta 480
agaagccacc aaaacgtagt gcaagtcaga gttaaggga tgaagatata ctgagaagct 540
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<210> 468
<211> 599
<212> DNA
<213> Homo sapiens

<400> 468
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<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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 <213> Homo sapiens

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<210> 472
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<400> 472						
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 <213> Homo sapiens

<400> 473						
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<210> 474

<211> 599
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 <213> Homo sapiens

<400> 474

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

<400> 475

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<210> 476
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 476

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

<400> 477

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 <213> Homo sapiens

<400> 481

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<210> 482

<211> 599

<212> DNA

<213> Homo sapiens

<400> 482

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<210> 483

<211> 599

<212> DNA

<213> Homo sapiens

<400> 483

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<210> 484

<211> 599

<212> DNA

<213> Homo sapiens

<400> 484

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<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

<400> 486
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<210> 487
<211> 599
<212> DNA
<213> Homo sapiens

<400> 487
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tcaatgcagc ctccgcctcc caggttcaag ctattctcct gcctcagcca tccgagtagc 480
tgggactaca ggtgtgtgcc accacgcctg actaattttt gtatttttag tagagacgaa 540
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<210> 488
<211> 599
<212> DNA
<213> Homo sapiens

<400> 488
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ctacacaatg	agaagaacta	gtgtgccaa	cttagagcaa	cttagccaag	ttcaccattg	180
gcaagatcaa	accaagaact	ttgggttctt	gactaccaga	ccactactgg	gatattagct	240
gcctaccaca	aaaaggcttc	tgccctcaag	gaattaatct	ctgacaccta	atgccttgay	300
tgggtgttct	cagatgtacc	aagtttcttc	tcagaaagaa	tctcactatc	tcctgggtcca	360
acatacactg	aatctaata	agatatttat	agaaaaaggt	tatttattaa	tatcactgac	420
aatgaacaga	tgtgagttcc	ttctggaggc	cagaatcggt	aatgagactg	aataaaaactg	480
aattaggaca	gagtgtctaa	aatgtatctg	tcactttggg	ataaatacct	cattttgtct	540
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<210> 489

<211> 599

<212> DNA

<213> Homo sapiens

<400> 489

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tcatcattgc	caactttcag	gcaaagggaa	atggaaagac	ctcaaactca	aaattagccc	180
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ttaatagtca	ggtgttttga	ggtcaagggg	ttaaactcta	acttcagcat	ttatcagcta	360
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atgacataac	tacttaaagt	gcccgatata	agagaagtag	tcaatacatg	gtagctaata	480
ttactgttca	ataagtaatg	ccatggtttg	aatatgtccc	ctccaaaatt	caggagtgtg	540
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<210> 490

<211> 599

<212> DNA

<213> Homo sapiens

<400> 490

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<210> 491

<211> 599

<212> DNA

<213> Homo sapiens

<400> 491

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cagaagctac	acaatatcac	catattctct	tggttaaggg	agtcacagag	gtttgcctgg	180
gttcacgggg	agtggatggg	acgtagaccc	caccattcaa	tgggagaagt	ttcgtcacat	240
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tctccatgcc	aagcatgtga	taggggtttt	aagaactttt	tcacttattc	tgcaggatcc	360
tattatccta	attttactga	tagggaagct	gagggttaggg	aagatgaatt	ggccacacag	420
ccaagtggca	gaacaagttg	tcaggcccag	gccttcttgc	ttccacagta	acactgtata	480
aaggtgaagg	tagatttctt	cagaaagtcc	tgaataacta	tgggaaggtt	atttgtgtag	540
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<211> 599
<212> DNA
<213> Homo sapiens

<400> 492
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ttcaacgcgg agaactgct ctgtgccagg cccccacctg ggaggtgtgg gcaaccttcc 180
tgcccttcgg gtgtcagag tctagtctgg agacaataag aaaaatggtt aatcaccatg 240
gaatgtgcta ggccttagc ccgaagcagg ggtctggtta ttgaggtttg ttgaaggaar 300
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ctactcggga ggctgagga ggagaagcac ttgaaccggg gaggcagagg ttgcaatgag 540
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<210> 493
<211> 599
<212> DNA
<213> Homo sapiens

<400> 493
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ccaaactggt tcaatgggac agttaaacc aaaaagatat atgtccactc ggcactatgt 180
ccttcttcac tgcacctgtt atttatagtg ctgctaaaat taacttgaat ttcattctta 240
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gaaggtctga ctctttttgt caaaaacttg gctgtaagga caaatagcaa cttagacac 480
tctgaggatg agagggaaag gcctgactca cttcaagtag ggaacagagg caataagaga 540
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<210> 494
<211> 599
<212> DNA
<213> Homo sapiens

<400> 494
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ctgaatttaa cagcagacac ctcatgccat gaggccagca atgccagca caggcccccc 240
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gaacaccact cagtggcacc tcctgcatga ctctggccgc gtcacttcac ttctcagctc 360
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atgtgtggga atgacttcat ggatgagagc aggtgtgagg acctggaatg cccaaggcca 480
gcccatagcc acgaataatt ggtggctatg attgcaacag ccagtgtcat gatggacagc 540
agacagaacg ggaagaaact ccagaccaa tgggagaaga cagcaccac accctctac 599

<210> 495
<211> 599
<212> DNA
<213> Homo sapiens

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tcccagacag tgaataaaat gtgcctcatg atagcagtc tacaacaaat accttacaag 180
aaactcacag agaagagggg cagagcaact cagtggaaaa gcaggtgtgg tttaaagcc 240

tggctctgcc	ccgagccatg	tgaccttagg	aaatagactg	tgccctgag	tttcaatcty	300
gtcacctgta	aattaggagt	aaccatacag	atcgcaagtc	aacacctgcc	cttgaccgcg	360
tgcggggctc	agcggtcact	gacatgcagt	gaaaaagtg	aggttctagc	tgggcgcggt	420
ggcttatgtc	tgtaatccca	gtactctggg	tggctgaggt	gggcagatca	tgaggtgagg	480
agttcgagac	cagcctggcc	aacatgggtg	aacttcgtct	ctactaaaaa	tacaaaaatt	540
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aattattcaa	ccaaacatta atctgaagtg ttgctgtgaa agtattttgt agatgtaact 180
aacattcata	atcacttggc tttaaataaa ggaggctgtc ctagataatc tggatgggcc 240
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taaagtagag	aaaatctgtg ttgttgata gagtacatat acttttataa acagaatgtt 360
ggtaaaaaata	tgaatgttaa aggtactctt gacaagcact cagaaggaaa tgaggaacac 420
gttattggaa	actaacagaa agacgatcct cgttttacag tagcagaaag gtttagctaaa 480
ttgtgtccaa	cagttgtatg gaaagcagaa tttttaagca aggaatttgg aaatttagat 540
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<210> 497
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 497	
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gcactatttt	gacaagatga cttcattaca ttccttgaac tttattcatg cccacaaaca 180
ctacagggtat	gctttcctta tgattctcaa tcctttttct atggtgttca aatgtgttcc 240
aattttttaa	ggtggaattc tatttgtctt cttagagttct tctctaagag actgagtgay 300
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agtttaggaat	tcttcagtcg attctactct tacatcaaaa ctccatgcag caatcagcct 480
agacaacctg	aaatgttgcc aggccacgga aaacctgcca cagtaagaaa atctaccaca 540
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<210> 498
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 <212> DNA
 <213> Homo sapiens

<400> 498	
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ttaatcatgt	gttggtggtt gtgatgtact agtgtgtact ctttctattt catctgatat 180
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ataataactt	agtagctaag aaaaaacttg gagaataaga gattaggagg aatgcagaaa 420
atgttagtag	aggaaagtat gaattttgaa aagataaatt gcttgagggg aggaagcagt 480
atggccgtgc	tgccctctgc tgctttgctt tggaaggagc ccagaggtgt catgtcttct 540
gtgactgtaa	aggttccagg cagttctgcc acatgtggct gccgagtact tgaaatgca 599

<210> 499
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 <212> DNA

<213> Homo sapiens

<400> 499

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ctgtcctgtc	taggatctag	cctagggtgt	gacacagagt	aagcactcat	gatgtgaaat	180
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gaaaaagtaa	gagttgagag	gagactgaaa	tttaaaatgg	cattatgtta	acagctacam	300
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tagtttttcc	tggggatatct	caagcagttg	cagctagggtg	ggactggagt	catgtctaaa	480
gtttccttag	atgtcttggg	gttgatgggtg	gctgtcagct	gggtcccacc	tgggactgtt	540
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<210> 500

<211> 599

<212> DNA

<213> Homo sapiens

<400> 500

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ggaactagga	ttcgtaccca	catttctgtg	actctaaagt	ggaggcacct	gatcatatgc	180
aatgtgcctc	tttgtcagaa	agaaaaagga	gagccaagca	ggataaaatc	taagagggat	240
aaaagggcaa	ataattgtca	tcttttagag	tgtttctaaa	gcccagtgta	agatgaactr	300
ttagaaaatt	attaaatgtg	acaaattaat	tttatttcag	agaataaggg	aacaatgcaa	360
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gggatattac	ataaacttct	tgattgaaaa	acttcttgct	tcatgaacgc	aaaaatttaa	540
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<210> 501

<211> 599

<212> DNA

<213> Homo sapiens

<400> 501

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aggactactg	cctatctggc	tctcagtggt	ggaacatcca	ctccacaaaa	gcagagagca	180
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aagattgtca	gttggctcgt	tcattcattt	attgaactaa	tatgtatagg	tgatacttay	300
aggtgataaa	acaacatgaa	cagataaggt	caatatattat	aggcaataaa	acaacaacat	360
ggacagatga	ggtccctgcc	ctcatagaac	atatgctcta	gcagggaaaa	cataataaat	420
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gagaacagag	agtgcagagg	gtgggtgataa	ttttagatag	ggtacacaga	gaaggccctt	540
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<210> 502

<211> 599

<212> DNA

<213> Homo sapiens

<400> 502

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taaaatttta	gctatttgac	tcaaaaagat	aaaaatttaa	aaataaaaatt	tgataaagtc	360
tgcagcaaaa	tttgtcttct	ctgtggaaga	aagaaatcca	taaaattaaa	cttcatgtag	420

tgtctgagcg	taaaagctac	aatcagcta	aacttggttg	aatggggttaa	aattctcaag	480
atcaaacaca	taaaggagaa	gccagatcat	tataatacat	taggagccca	tttaactact	540
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 <212> DNA
 <213> Homo sapiens

<400> 503	
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cctgggcaac	180
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taaaattaat	300
atgatgagcc	360
aattagatat	420
cctagacttc	480
ctgtaatccc	540
ggctgtacta	599

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 <212> DNA
 <213> Homo sapiens

<400> 504	
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aacaaggaac	120
aagcaatcta	180
tgaagaggat	240
catgccactc	300
tatctttgag	360
taaaacttac	420
caggataaag	480
taagctcttt	540
cagagctcta	599

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 <212> DNA
 <213> Homo sapiens

<400> 505	
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gagagactct	120
tgctttgtgt	180
atccatgcta	240
tagagtgggc	300
aggaagtcac	360
agtgcctgct	420
tgatacaaa	480
ttccccctatt	540
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 <212> DNA
 <213> Homo sapiens

<400> 506

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gaggcagaag	gatcatgtga	gctcaggagt	ttgaggctgc	agtgagctat	gatcatgcc	180
ctactctcca	gcctgagacc	ctgtctctga	aaaaagaaga	cagcagagag	tagccattga	240
gctgagaact	gcaccatggc	aaaagacatc	aagaccaaaa	tcaagaacta	caggactgcy	300
ccttttgaca	ggcgcttccc	caaccagaac	cagaccagga	atggctggca	gaaatacctg	360
gacctccacc	acttcaagaa	ggcaatgact	gctaaaggag	gtaatgtatg	gccgggtgca	420
gtggctcacg	cctgtaatcc	cagtactttg	ggaggccaaa	gctgggtgat	tacttaaggt	480
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<210> 507
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 <212> DNA
 <213> Homo sapiens

<400> 507	
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gagtagccat	tgagctgaga
ctacaggact	gccccctttg
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gattacttaa	ggtcaggagt
ctaaaaatac	aaaaattagt
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agtccagcct	gggtgacagg
	gcaagactcc
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 <212> DNA
 <213> Homo sapiens

<400> 508	
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ttctttaacc	actaaaccac
taccaaaaca	cattcataat
cccaactgag	aaaatatggc
tctgaaggat	ttgttcaaaa
aggtctttat	taaaaataag
gctcatgcag	caggcttcgt
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tctttccttt	cttccctacc
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	tgactgcaac
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<210> 509
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 <212> DNA
 <213> Homo sapiens

<400> 509	
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aatgccagtg	atgcatctcc
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tggttaactgt	acttagatca
cagagatgta	acatagtaac
tcatatagtc	tgggccagat
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tccatctcta	caaaaaattt
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	caggcatagt
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<400> 510
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 ctataataaa gttcccagtt ttcccttcat ctgccagcat ccataataa gcatctcctr 300
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 caatgcaacc tcaaactcct tggctcaagt gctcctccct gcctccgctt tcagaggagc 540
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 <213> Homo sapiens

<400> 511
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 ccagcaagca aatgcctatt tctttatgaa gtaaccactt gtctgtaaag gaaaaattag 480
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 caaggagtgc actcatccaa gttactgatt ccgatgtcag caaaacctgc tgaaacccat 240
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<212> DNA
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<213> Homo sapiens

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gaagctcaac	tattttctcca	ccccactcc	aattaaaata	tctgtttcaa	aaagtcattct	420
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agtccgagag	360
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<213> Homo sapiens

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aattttttgca	atagtgtgtg	gccttataat	taataagaga	taagataatt	ttaacctaaa	480
ggtcatttta	agcttacaac	aactagagat	aattttatta	taagttttaa	aaactaactt	540
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<210> 554
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 <212> DNA
 <213> Homo sapiens

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<210> 555
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 aaaacacgga gggcctgcct gtcacaggta ggtgctctta ttgaggaata cagatcactg 180
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 ctggaccatg acctcctctc cttccaactg gatccactc ctctggctat gttgacttca 540
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<210> 556
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 <212> DNA
 <213> Homo sapiens

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 ccttaacgtc tgaccagatt ttcctcacca gagatgtgtc cttccatcac cttgggtgag 180
 tttagtgtcc acatggaaaa tccacctata acctgggctt ctcaaccctt cctccagccc 240

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<210> 557
<211> 599
<212> DNA
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<210> 558
<211> 599
<212> DNA
<213> Homo sapiens
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cctgtggact	cagaaggtaa	gtcttcgcaga	tgtgcgaagg	tggtccaagg	gaggaaaggt		540
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<210> 559
<211> 599
<212> DNA
<213> Homo sapiens
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tccagcaaac	atttactgag	cacctatgct	atgccaggtt	tggggctcag	tgccaggaac	540
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<210>	560
<211>	599
<212>	DNA

<213> Homo sapiens

<400> 560

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<210> 561

<211> 599

<212> DNA

<213> Homo sapiens

<400> 561

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tcattgttct ttgagcattt attgtctgat tttaccctt ttttagcatct atagaagcca 480
cattaatctt tttttactcc agcctttctt ggactttccc ggctttgtgc ttctctatct 540
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<210> 562

<211> 599

<212> DNA

<213> Homo sapiens

<400> 562

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