SEQUENCE LISTING

<110> Selexis S.A.

<120> HIGH EFFICIENCY GENE TRANSFER AND EXPRESSION IN MAMMALIAN CELLS BY A MULTIPLE TRANSFECTION PROCEDURE OF MAR SEQUENCES

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<210> 1

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<212> DNA

<213> Homo sapiens

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<221> misc_binding

<222> (1)..(320)

<223> MAR of human chromosome 1, nt from 36686 to 37008

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<222> (1)..(320)

<223> MAR of human chromosome 1, genomic contig; 36686 to 37008

<400> 1
ttatattatg ttgttatata tattatatta tgttattaga ttatattatg ttgttatatt 60

atataataat attatattat atattatata ttatattata taatatataa taatattata 120

taattatata ttacattata taatatataa taatattata taattatata ttacattata 180

taatatataa taatattata taataatata taattatata atatataata atattatata 240

atattatata atattatata atatataaat atataataat atatattata ttatataata 300

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<210> 2

<211> 709

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<222> (1)..(709)

<223> MAR of human chromosome 1, nt from 142276 to 142984

<220>

<221> misc_binding

<222> (1)..(709)

<223> MAR of human chromosome 1, genomic contig; 142276 to 142984

<400> 2
tacaatatat tttctattat atatattttg tattatatat aatatacaat atattttcta 60

ttatatataa tatattttgt attatatata ttacaatata ttttgtatta tataatatat 120

aatacaatat ataatatatt gtattatata ttatataata caatatatta tatattgtat 180

tatatattat atataatact atataatata ttgtattata tattatatat aatactatat 240

aatatatttt attatatatt atatataata caatatataa tatattgtat tataatacaa 300

tgtattataa tgtattatat tgtattatat attatatata atacaatata taataatata 360

ttataatata taataataat ataatataat aataatatat attgtattat atattatata 420

atacaatata taatatattg tattatatat attttattac atataatata taatacatta 480

tataatatat tttgtattat atataatata ttttattatg tattatagat aatatatttt 540

attatatatt atatataata caatatataa tatattttgt attgtatata atatataata 600

caatatataa tatattgtat tatatataat attaatatat tttgtattat atatttatat 660

tttatattat aattatgttt tgcattatat atttcatatt atatatacc 709

<210> 3

<211> 409

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(409)

<223> MAR of human chromosome 1, nt from 1368659 to 1369067

<220>

<221> misc_binding

<222> (1)..(409)

<223> MAR of human chromosome 1, genomic contig; 1368659 to 1369067

<400> 3
tacacataaa tacatatgca tatatattat gtatatatac ataaatacat atgcatatac 60

attatgtata tatacataaa tacatatgca tatacattat gtatatatac ataaatacat 120

atgcatatac attatgtata tatacataaa tacatatgca tatacattat gtatatatac 180

ataaatacat atgcatatac attatgtata tatacataaa tacatatgca tatacattat 240

gtatatatac ataaatacat atgcatatat tatatacata aattatatta tatacataat 300

acatatacat atattatgtg tatatataca taaatacata tacatatatt atgtgtatat 360

atacatgata catatacata tattatgtat atatatacat aaatacata 409

<210> 4

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(394)

<223> MAR of human chromosome 1, genomic contig; 2839089 to 2839482

<400> 4
tatgtatata tacacacata tgtatatata cacacatatg tatatacgta tatatgtata 60

tatacacaca tatgtatata cgtatatatg tatatataca cacatatgta tatacgtata 120

tatgtatata tacacacata tgtatatacg tatatatgta tatatacaca catatgtata 180

tatgtatata tacacacata tgtatatacg tatatatgta tatatacaca catgtgtata 240

tatatataca catatgtata tatgtatata tacacacata tgtatatatg tgtatgtata 300

tatacacaca tatgtatata tacacatata tatgtatata tacacacata cttatatata 360

cacatatata tgtatatata cacatatgta taca 394

<210> 5

<211> 832

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(832)

<223> MAR of human chromosome 1, genomic contig; 1452269 to 1453100

<400> 5
tatattacta tatatacaat atacatatta ctatatatac catgtattac tatatatatc 60

tactatatat attactatat atacaaaata tatattacta tatatacaat atacatatta 120

ctatatatac catatattac tatatatatc tactatatat attactatat atacaaaata 180

tatattacta tatatactat atattactgt atatacaata tatattacta tatatatact 240

atatattact atatatacac tatatattac tatatataca caatatatat attactatat 300

atacacaatg tatataacta tatatacaat atatattact atatatacta tatatattac 360

tatacatact atatattact ctatatatac aatatatata ttacaatata tactacatat 420

tactacatat actttatata ttactatata tactatatat tactgtatat acaatatata 480

ttactaaata tacacaatat atattactat atatacacaa tatatatatt actatatata 540

cacattatat atgactatat atacacacta tatatattac tatatataca caatatataa 600

ctatatatac acagtataca tattactata tatacacaat atatatatta ctatatatac 660

actatatatt actatatata cacaatatat attactctat gtatacacta tatatattac 720

tatatataca gaatatatat aactatatat acactatatt actatatata ctatatatta 780

ctatatgtac tatatatatt actatatata ctatatatta ctatatatac ac 832

<210> 6

<211> 350

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(350)

<223> MAR of human chromosome 1, genomic contig; 831495 to 831844

<400> 6

aatatataat atataaatat taatatgtat tatataatat atattaatat attatattat 60

attactatat aaataatatt aatatattat attaaaatat taataaatat atcatattaa 120

atattatatt aattaaatat taataaatat attatattaa tatatttata tattaaacct 180

ataacatatg catatactta tttatatata acatgcatgt acttatttat atatacaata 240

tatatttata tattatataa tatattatat gtatttatat attatatatc atatattata 300

tgtatttata tattatatat catataatat atatatttat attatatata 350

<210> 7

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(386)

<223> MAR of human chromosome 1, genomic contig; 1447225 to 1447610

<400> 7

acatttaatt taattatata ctgctatata taattaaatc tatatatcta tataacttat 60

aatttatttt aatttaatta tatatactat atagttatat atacatatat gtaattatat 120

atagtataat tatagtatat atgtatatat aatgtaagta aatatatagt atatatttat 180

atatactata tatttataca tatgtcttta tatatactaa tatatataca catatgtaat 240

atgtacatat ggcatatatt ttatagtgta tatatacata tatgtaatat atatagtaat 300

atgtaaatat atagtacata tttaattata tggtaatata tacacatata tgtaatatgt 360

gtattatagt acatatttta tagtat 386

<210> 8

<211> 585

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(585)

<223> MAR of human chromosome 1, genomic contig; 4955365 to 4955949

<400> 8
atacacacat atacacatat gtacgtatat atactatata tacacacata tacacatatg 60

tacgtatata tactatatat acacacatat acacatatgt acgtatatat actatatata 120

cacacatata cacatatgta cgtatatata ctatatatac acacatatac acatatgtac 180

gtatatatac tatatataca cacatataca catatgtacg tatatattat atatacacac 240

atatacacat atgtacgtat atatactata tatacacaca tatacacata tgtacgtata 300

tatactatat atacacacat atacacatat gtacgtatat atactatata tacacacata 360

tacacatatg tacgtatata tactatatat acacacatat acacatatgt acgtatatat 420

actatatata cacacatata cacatatgta cgtatatata ctatatatac acacatatac 480

acatatgtac gtatatatac tatatataca cacatataca catatgtacg tatatatact 540

atatataccc atacacatac gtatatacgt acatatatat acgta 585

<210> 9

<211> 772

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(772)

<223> MAR of human chromosome 1, genomic contig; 5971862 to 5972633

<400> 9
agtaaacata tatatagtaa atatatatag tgtatatata gtaaatatat atagtgcata 60

tatatagtgc atatatatag tgtatatata gtaaatatat agtgtatata tatagtaaat 120

atatatagtg tatatatagt aaatatatat agtaaatata tatatactat atatagtaaa 180

tatatatata ctatatatag taaatatata tatagtatat atatagtaaa tatatatata 240

gtatatatat agtaaatata tatatagtat atatatagta aatatatata tagtatatat 300

agtaaatata tatagtatat atatagtaaa tatatatata gtatatatat agtaaatata 360

tatatagtat atatatagta aatatatata tagtatatat atagtaaata tatatagtat 420

atatatagta aatatatata gtatatatat agtaaatata tatagtatat atatagtaaa 480

tatatataca ctgtatatat atagtaaata tatatacact gtatatatat agtaaatata 540

tatacactgt atatatatag taaatatata tacactgtat atatatagta aatatatata 600

cactgtatat acatagtaaa tatatataca ctgtatatac atagtaaata tatatacact 660

gtatatacat agtaaatata tatacactgt atatacatag taaatatata tacagtgtat 720

atacatagta aatatatata cagtgtatat acatagtaaa tatatataca gt 772

<210> 10

<211> 304

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(304)

<223> MAR of human chromosome 1, genomic contig; 6221897 to 6222200

<400> 10

atatataata tatataatta tattatatat aatatataat atatataatt atattatata 60

ttatatataa tatattatat attatatata taatatatat tatatattaa atatatatta 120

tatatataat atatattata tattaaatat atattatata tataatatat attatatata 180

atatatataa tatatattat atatatatta tatattatat atatatatta tatatatata 240

atatatataa tatatattat atataatata tattatatat atataatata tataatatat 300

atta 304

<210> 11

<211> 311

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(311)

<223> MAR of human chromosome 1, genomic contig; 9418531 to 9418841

<400> 11

tatatataat atttatatat aatattcatg tatttatata taaatattta tatatttata 60

tataaatatt tatatattta tatataaata tttatatatt tatatataat atttatacat 120

tatatataat atttatatat tatatataat atttatatat aatatttata tattatatat 180

aatatttata tatttatatg tataatatat attttatata tgtatgtata atatatattt 240

tatatatgta tgtataatat attttatata tgtatgtata atatattatt atatataata 300

tataatttat a 311

<210> 12

<211> 302

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(302)

<223> MAR of human chromosome 1, genomic contig; 15088789 to 15089090

<400> 12
atataatata tatattatat atataaatat atataaatat ataacatata tattatatat 60

aaatatatat aaatatataa catatatatt atatatataa atatatataa atatataaca 120

tatatattat atatataaat atatataaat atataacata tatattatat atataaatat 180

atattatata tttatatata taatatatat aaatatataa tatatattta tatatataat 240

atatataaat atataatata tatatttata tataatatat ataaatatat aatatataat 300

at 302

<210> 13

<211> 461

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(461)

<223> MAR of human chromosome 1, genomic contig; 6791827 to 6792287

<400> 13
tatataatat atattatata tacacatata taatatatat tatatataca catatataat 60

atatattata tatacacata tataatatat attatatata cacatatata atatatatta 120

tatatacaca tatataatat atattatata tacacatata taatatatat tatatataca 180

catatataat atatattata tatacacata tataatatat attatatata cacatatata 240

atatatatta tatatacaca tatgtaatat atattataca cacacatata atatatatta 300

tatacacata tataatatat attatatata catatataat atatattata tatacacata 360

tataatatat attatatata cacatatata atatatatta tatatacaca tataatatat 420

aatatataca catatataat atatatatta tatatgcaca t 461

<210> 14

<211> 572

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(572)

<223> MAR of human chromosome 1, genomic contig; 163530 to 164101

<400> 14
atattataat tatatatatt atatataatt atataaaata tatattataa ttatatatat 60

tttatataat atatatatta taattaatat attatatata atatatatat tatatataat 120

atatatatta tatatattat atataatata tataatatat ataatatata atataatata 180

tatattatat ataatatata atatatataa tatattataa tataatatat ataatatata 240

atataatata tataatatat aatataatat ataatatata atatatataa tatataatat 300

aatatataat atatataata tataatataa tatataatat atataatata ttataatata 360

atatatataa tatataatat aatatatata atatataata taatatataa tatataatat 420

atatttaata tatttattaa ttatttgtta tatatttatt aatatataat atataatata 480

tttaatatat tataactata tattatatta taattatata tattatatat atacaattat 540

aattatatat tatatatact tataatatat at 572

<210> 15

<211> 357

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(357)

<223> MAR of human chromosome 1, genomic contig; 1842332 to 1842688

<400> 15

tatatctata tatatctata tatatataat atagataata tctatatata taatatagat 60

aatattatct atatataata tagataatat tatctatata taatatagat aatattatct 120

atatataaaa ttatattata tctatatata ttatatatat aaaattatat tatatctata 180

tataatatag ataatatcta tatataaata gataatatct atatatataa tatagatatt 240

atctatatta tagatataga taatattatc tatattatag atattatcta tatataatat 300

agataatatt atctatatta tatatataat atatctatat tatctataat attatct 357

<210> 16

<211> 399

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(399)

<223> MAR of human chromosome 1, genomic contig; 2309560 to 2309958

<400> 16
attatatata atatatatta tatattatat atatcaagca gcagatataa tatataatat 60

atataatata tataatatat attgtatatt atataatata taatatatat aatatatatt 120

gtatattata taatatataa tatatataat atatattgta tattatataa tatataatat 180

atataatata tattgtatat tatataatat ataatatatg taatatatta tgtaatatat 240

tatataatat atattatata ttatatataa tatatattat atataatata tattacataa 300

tatattacat atattacgta atatatgtta tatattacat ataatatata acatatatta 360

cgtaatatat gtaatatatt acatataata tatacatta 399

<210> 17

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(394)

<223> MAR of human chromosome 1, genomic contig; 2231759 to 2232152

<400> 17
atatatactt ataaattata tacttatata tacttataaa ttatatactt atatatactt 60

ataaattata tacttatata tacttataaa ttatatactt atatatactt ataaattata 120

tacttatata tacttataaa ttatatactt atatatactt ataaattata tacttatata 180

tacttataaa ttatatactt atatataatt ataaattata tacttatata taattataaa 240

ttatatactt atatataatt ataaattata tacttatata taattataaa ttatatactt 300

atatataatt ataaattata tacatatata taattataaa ttatatacat atataattat 360

aaattatata catatataat tataaattat atac 394

<210> 18

<211> 387

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(387)

<223> MAR of human chromosome 1, genomic contig; 7406524 to 7406910

<400> 18
tatattatat ataatatata ttatatataa tataaataat atatattata tataatatat 60

aaataatata taatatataa ataatatata atatataata tataaataat atataatata 120

taacatataa ataatatata taatatataa ataatatata taatatataa ataatatata 180

taatatataa aaatatataa tatataatac atatataaat aatatattat attatatatg 240

atacataata tattatatat aatatattat atgatacata atatattata tagaatatat 300

tatatgatac ataatatatt atatagaata tattatatga tacataatat attatatgat 360

acataatata ttatatataa tatatta 387

<210> 19

<211> 370

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(370)

<223> MAR of human chromosome 1, genomic contig; 9399572 to 9399941

<400> 19

catatataca tatatacaca tatatacaca tatatataca catacatatg tacacatata 60

tatacacata tgtatacaca tatatacaca tatatacaca catatataca catatataca 120

cacatatata cacatatata cacatatata cacatataca catatataca catatataca 180

tatatacaca tatatataat atacacacat atatatacac atatatacac acatatatac 240

acatatatac acatatatat acacatatat acacatatat acatatatac acatatatat 300

acatatatac acatatatac atatatacac atatatacat atatacacac atatatacac 360

atacatatac 370

<210> 20

<211> 377

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(377)

<223> MAR of human chromosome 1, genomic contig; 12417411 to 12417787

<400> 20
attatatata atacatataa ttatatattt atatataaat tataataaat acatataatt 60

atatatttat atataaatta tatataataa atacatataa ttacatatat ttataaatta 120

taataaatac atataattac atatatttat atatgaatta tatataataa atacatataa 180

ttatatatat ttatatgtag attatatata aatatatata atttatatat ataataatat 240

atataattta tatatataat tatatatata ataaatatat ataatttata tatataatta 300

tatatataat aaatatataa taatatatat aatttatata tataattata tatataataa 360

atatatataa tttatat 377

<210> 21

<211> 1524

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1524)

<223> MAR of human chromosome 1, genomic contig; 1643307 to 1644830

<400> 21
tataaatata tataaatata taaatatata taaatatata aatatatata aatatatata 60

aatatataaa aatatataaa tatatataaa tatatataaa tatataaaaa cataaaaata 120

tatataaata tatataaata tataaaaata tataaatata taaatatata aaaatataca 180

aatatataaa tatatacata aatatatata aatatatata aatatataaa aatatatata 240

aatatataaa tatatataaa tatatataaa tatatataaa tatataaaaa tatatataaa 300

tatataaata tataaaaata tatataaata tataaatata taaatatata taaatatata 360

aatatataaa taaatataag tatttatgaa tatatatgaa tatataaata tataaaaaat 420

atatataaat atataaatat atataaatat ataaatatat acatatatac atatataaat 480

aaataaatat aagtatttat gaatatatat gaatatataa atatataaaa aatatatata 540

aatatataaa tatatataaa tataaatata taaaaatata taaaaatata tataaatata 600

taaatatata taaatatata aatatatata aatatatata aatatataaa tatatataaa 660

tatatataaa tatataaata tataaatata tataaatata tataaatata taaatatata 720

aatataaata tataaatata tataaatata tataaatata taaatatata taaatatata 780

taaatatata taaatatata taaatatata aatatatata aatatatata taaatatata 840

taaatatata aatatataaa tatataaaaa tatataacaa tatataaata tatataaaaa 900

tatataacaa tatataaata taaatatata taaaaatata taacaatata taaatataaa 960

tatatataaa tatataaata taaatataaa aaatatatat aaatatataa atatatataa 1020

atatataaat gtataaatat atataaaaat atataacaat atataaatat ataaatatat 1080

aacaatatat aaatatataa aaatatataa caatatataa atataaatat atataaaaat 1140

atataacaat atataaatat aaatatatat ataaatatat aaatataaat ataaaaaata 1200

tatataaata tataaatata tatataaata tatataaata tataaatgta taaatatata 1260

taaatatata aatatataaa aatatataaa tatatataaa tatatataaa tatataaata 1320

taaatatata aatatatata aatatataaa tataaatata taaacatata taaatatata 1380

taaataaaca tatataaaga tatataaaga tataaagata tataaatata taaatatata 1440

aagatatata aatatataaa gatatataaa tatataaaga tatataaata tataaagata 1500

tataaatata atatataaat atat 1524

<210> 22

<211> 664

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(664)

<223> MAR of human chromosome 1, genomic contig; 1398763 to 1399426

<400> 22
acacatatat atataaaata tatatatata cacacatata tataaaatat atatatatac 60

acacatatat ataaaatata tatatacaca catatatata aaatatatat atacacacat 120

atatataaaa tatatatata cacacatata tataaaatat atatatacac acatatatat 180

aaaatatata tatacacaca tatatataaa atatatatat acacacatat atataaaata 240

tatatataca cacatatata taaaatatat atatacacac atatatataa aatatatata 300

tacacacata tatataaaat atatatatac acacatatat aaaatatata tatacacaca 360

tatataaaat atatatatac acatatatat aaaatatata tatacacata tatataaaat 420

atatatacac acatatatat aaaatatata tatacacaca tatatataaa atatatatat 480

acacatatat ataaaatata tatatacaca tatatataaa atatatatat atacacatat 540

atataaaata tatatacaca catatatata aagtatatat atacacacat atatataaaa 600

tatatatata cacatatata taaaatatat atatacacat atatataaaa tatatatata 660

caca 664

<210> 23

<211> 1428

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1428)

<223> MAR of human chromosome 2, genomic contig; 17840365 to 17841792

<400> 23
aatttattat atattatata ttatatatat tatatatatt atatattata tatattatat 60

atattatata ttatatatat tatatattat atatttatat ataatatata tctaatatat 120

atattagata taatatatat ctaatatata tatattttat atatataata tatctctaat 180

atatatattt tatatgtata taatatatct ctaatatata tatattttat atgtatataa 240

tatatctcta atatatatat tttttatata taatatatct ctaatatata tattttatat 300

atataatata tatctaatat atataatata tatattagat atatataaaa tatatatgat 360

atatttatta tatatataat atataatata taatatatat attatattat atacatatat 420

attatataca atatatatta tatatatttt atatacatta tatattatat atattttata 480

tacaatatat attatatatt ttatatacaa tatatattat atatatttta tatttttata 540

tacaatatat attatatata ttttatatat aatatatatt atatatattt tatataatat 600

atattatata tattttatat ataatatata ttatataaat tatatataat atatattata 660

ataaattata atatttttta tatatataat atgtatttta tatataatat attataatat 720

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tgggaattgg aaagacaaat atcgttaaga gaaaattgct tttaggagag gggaaagaat 240

ctatgtgtac ttaagactat ggaatcaatc ccatttaagc tgggaaacta gtttcatata 300

taactaataa attttattta cagaatatct atttacctga tctaggcttc aagccaaagg 360

gactgtgtga aaaaccatca gttctgtcat attcctaaaa aaaaattaaa aagttaaaaa 420

taaataaata ataaaacttc ttttctttca aaataatcaa ggtgcttatt cacatccatt 480

ccaatttggg gaaatactta ttttcctatg attagcgaag agaaaagtaa cttgcatttc 540

aattcaagtt gatacatgtc acttttaaga ggtcaactaa tatttgctag ttgagctaac 600

catataggct ttaaatactt tcatagtaga aagaaaatga aaatcattag tgaactgtat 660

aaaatagatc atactttttg aaagaatcag actgaagttt ccgaaaaaaa gaagtaagct 720

tcaatgaaaa ggtaagtgaa tttagcattt actcagcatc tactatggac ttaacaccta 780

acagtagata atctgaaggc aaacatattt gtatagggac tgcagaatga tagatgataa 840

atatcatctc ttctatttga atgaatattt tttcaaatct ttcacacaca gtggtttgct 900

atggaaagat ttgtagtaca ttaaacaaat ctgaagatgg agttagaaag cttaggctat 960

gttttgagca caacatataa tttctctgtg attgtttctt catctttcaa atgaggttac 1020

tgtgaagatt aaatgagata actaaatgat gataaaataa tgtaatctta gcagcacctt 1080

atttaatctg tgcaacaact ctgtgaagtg agtagggctc agcttcagtc acttctctgc 1140

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tgtcagttga gttaccaaag cacatacata ctcaccaccc tatccaaatc tacaagcctc 1440

ccagtttgtc ttcactattt tggttaaatt aatatgaatt cctagatgaa aatttcactg 1500

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cctacctact cgggaggctg aggcacaaga atcgcttgaa tgtgggaggt ggaggttgca 1740

gtgacctgag atcgtgccac tgcactccag cctaggcaac agagtgagat catgtgtcat 1800

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atacacatat atatacgtat atatatatat gtatatatat acatatatat acatatatat 1920

atatacgtat atatatacgt atatatatat caatgtaaat tatttgggaa atttggtatg 1980

aatagtcttc cctgtgaaca cagatcataa aatcatatat caagcagaca aataagtagt 2040

agtcacttat atgcttatac ttgtaactta aagtaaaaga attacaaaag catatgacaa 2100

agactaattt taagatatcc taatttaaat tgttttctaa aagtgtgtat accattttac 2160

ctatcatatg aataatttag aaacatgttt ataaaattaa tgtccaaatc cattcaaaag 2220

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acctacatat aatgaaatat tagcagcatc tatgtaacca aagttacaca gtgaatttgg 2340

gccatccaac actttgagca aagtgttgaa ttcatcaaat gaatgtgtaa tcatttactt 2400

actaatgcca atacacttta aggtaatctt aagtagaaga gatagagttt agaatttttt 2460

aaatttatct cttgttgtaa agcaatagac ttgaataaat aaattagaag aatcagtcat 2520

tcaagccacc agagtatttg atcgagattt cacaaactct aactttctga tacccattct 2580

cccaaaaacg tgtaacctcc tgtcgatagg aacaacccac tgcagggatg tttctcgtgg 2640

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tttataggct agaaggtttg tacaaactaa tctgccacgg attttaaaat atgagtgaat 3000

aaattatatt gcaaaaaaaa tcaggttaca gagaactggc aaggaagact cttatgtaaa 3060

acacagaaaa catacaaaac gtatttttaa gacaaataaa aacagaactt gtacctcaga 3120

tgatactgga gattgtgttg acatattagc attatcactg tcttgctaaa acataaaaat 3180

aaaaagatgg aagatgaaat tacaatacaa atgatgattt aaacatataa aaggaaaata 3240

aaaattgttc tgaccaacta ctaaaggaag acctactaaa gatatgccat ccagcacatt 3300

gccactctac atgtggtctg taaaccagca gcatagggat cctctagcta gagt 3354

<210> 28

<211> 677

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(677)

<223> MAR of chromosome 1 genomic contig; 12803267..12803943

<400> 28
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tatcatatag tatacattat agtatatatc atatagtata cattatagta tatatcatat 240

agtatacgta atagtatata tcatatagta tacgtaatag tatatatcat atagtatacg 300

taatagtata tatcatatag tatacgtaat agtatatatc atatagtata cgtaatagta 360

tatatcatat agtatacgta atagtatata tcatatagta tacgtaatag tatatatcat 420

atagtatacg taatagtata tatcatatag tatacgtaat agtatatatc atatagtata 480

tattatatag tatatatcat atagtatata ttatatagta tatatcatat agtatatatt 540

atatagtata tatcatatag tatatattat atagtatata tcatatagta tatataatag 600

tatatatcat atagtatata taatagtata tatcatatag tatatatact atactatatt 660

atatatagta tacataa 677

<210> 29

<211> 332

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(332)

<223> MAR of chromosome 1 genomic contig; 13079684..13080015

<400> 29
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attatataat tatatattaa tatatattaa ttatattata tatattatat aattatatat 120

taatatatat taattatatt atatatatta tataattata tattaatata tattaattat 180

attatatata ttatatatta taattatata ttatataatt ataatatata tgttaatata 240

atatatataa ttaatatata attaaaacta tttaattata tgtatattat atataatatg 300

tattatttaa ataataaata tattatttat at 332

<210> 30

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(479)

<223> MAr of chromosome 1 genomic contig; 15682296..15682774

<400> 30

acaagtacat atatatatag tatatatata caagtacata tatatagtat atatatatat 60

acaagtacat atatatagta tatatatata tacaagtaca tatatatagt atatatatat 120

acaagtacat atatatagta tatatatata caagtacata tatatatagt atatatatat 180

acaagtacat atatatagta tatatatata caagtacata tatatatagt atatatatat 240

acaagtacat atatatagta tatatatata caagtacata tatatatagt atatatatat 300

acaagtacat atatatatag tatatatata tacaagtaca tatatatata gtatatatat 360

atacaagtac atatatatag tatatataca tatatacaag tacatatata tagtgtatat 420

atatatatac aagtacatat atatacttgt attagtatat atatatatat atacaagta 479

<210> 31

<211> 531

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(531)

<223> MAr of chromosome 1 genomic contig; 15694611..15695141

<400> 31

tataatatat ataatacata atagatatat tatattatat aatagatata taattataaa 60

cataataata tataatgaat ataatataaa ataaatataa taaaatatat aatatatcta 120

ttatgtatta tatattatat atgtttatat ataatataat tatatatgtt tatatataat 180

ataattatat atgtttatat ataatataat tatatattat atattataga tataatatat 240

aatatactat atattataga tataatatat aatatactat atattataga tataatatat 300

aatatactat atattataga tataatatat aatatactat atattataga tataatatat 360

aatatactat atattataga tataatatat aatatatatt atatattata gatataatat 420

ataatatatt atatattata tctatatata atatattgta tattatatat aatatattgt 480

atattatata taatatattg tatattatat ataatatatt gtatattata t 531

<210> 32

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(378)

<223> MAR of chromosome 1 genomic contig; 886276..886653

<400> 32

ttatattata tatcttacat aaattatata tatatattac ataaattata tacaatataa 60

attatataca atataattta tatataaaat ataaattata taaataattt atatataaaa 120

tataaattat ataaataatt tatatataaa atataaatta tgtataaaat ttatatataa 180

aatataaatt gtgtataaaa ttatatataa aatataaatt gtgtataaaa tttatatata 240

aaatataaat tatatataat ttatatatta taatataaat tatatataat atatatcata 300

aaatataaat tatatataat atatatcata agatataaat tatatataat atatatcata 360

agatataaaa tatataat 378

<210> 33

<211> 595

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(595)

<223> MAR of chromosome 1 genomic contig; 3326732..3327326

<400> 33
aaaatatata aatatatata aaaatatata aaaatatata aatatatata aaaatatata 60

aatatatata aatatatata aaaatatata aatatatata aatatatata aaatatataa 120

atatatataa aatatatata aatatatata aatatatata aaaatataaa tatatataaa 180

aatataaata tatataaata tatataaaaa tataaatata tataaatata tataaatata 240

taaatatata taaatatata taaatatata aatatatata aatatatata aatatatata 300

aatatataaa tatataaaaa tatatataaa tatataaata tatataaata tataaatata 360

taaaaatata tataaatata taaatatata taaatatata taaatatata tataaatata 420

tataaatata tatatatata aatatatata aatatatata taaatatata taaatatata 480

tatatatata taaatatata taaatatata taaatatata tataaatata tataaatata 540

tataaatata tatataaata tatataaata tatatataaa tatatataaa tatat 595

<210> 34

<211> 738

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(738)

<223> MAR of chromosome 1 genomic contig; 4485716..4486453

<400> 34
ataatagata atatatatta tatgatagat atataatata ttatataata tataatatat 60

tatatatcta tcatataata tatataatat ataatatatt atatatctat catataatat 120

aatatatata atatataata tatatcatat tatattgtat ataatatata tcatattata 180

ttgtatataa tatatatcat attatattgt atataatata tatcatatta tattgtatat 240

aatatatatc atattatatt gtatataata tatatcatat tatattgtat ataatatata 300

tcatattata ttgtatataa tatatatcat attatattgt atataatata tatcatatta 360

tattgtatat aatatatatc atattatatt gtatataata tatatcatat tatattgtat 420

ataatatata tcatattata ttgtatataa tatatatcat attatattgt atataatata 480

tatcatatta tattgtatat aatatatatc atatattatc tattatattg tatataatat 540

atattatata ttatctatta tattgtatat aatatatatt atatattatc tattatattg 600

tatataatat atattatata ttatctatta tattgtatat aatatataat aaatatagta 660

tatataatag ataatatata gtatatatga tatattatat atactatata ttatatatca 720

tatatactat atactata 738

<210> 35

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(386)

<223> MAR of chromosome 1 genomic contig; 5423067..5423452

<400> 35
taaatatata aaaatatata taaaaatata aaaatattta tataaatata taaaaatatt 60

tatataaata tataaatata taaatatata tttatataaa tatataaata tataaatata 120

taaatatata tttatataaa tatataaata tatatttata taaatatata aatatatata 180

aaatatataa atatatattt atataaatat ataaatatat ataaaatata taaatatata 240

tattttatat aaatatataa atatatataa aatatataaa tatatatatt ttatataaat 300

atataaatat atataaaata tataaatata tatattttat atatttatat atataaatac 360

atatatttca tatatcacat atatga 386

<210> 36

<211> 584

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(584)

<223> MAR of chromosome 1 genomic contig; 5805559..5806142

<400> 36
taaatatttt taaaatatat atattttata atatataatt tatattataa tgtgtacata 60

atatatatta taatataata tatataatac tgtatattat attatatata ttataatata 120

tattattata tattatatta tatataatat aatatatatt ataatatatt atattataca 180

tattataatg tattataata tatattatat tatatattat aatatatatt atattatata 240

ttataatata tattatatta tatattataa tatatattat attatattat atatattata 300

atacatatta taatacatat tatataatat attataatat gtattataat acatattata 360

taatatatta taatatatta tatataataa tatattataa tacatattat atataatata 420

tattatgtat attatatata atatatatta caatgtatat tatgtatatt atatatatta 480

tatatcatat aatatatatt atatataata tgatatataa tatatattat ataatatatt 540

atatgatata tataatatgt attacatgta atatatatca taat 584

<210> 37

<211> 345

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(345)

<223> MAR of chromosome 1 genomic contig; 10802644..10802988

<400> 37

tgtatatata tactatatat atactatata tatagtgtat atatatacta tatatatact 60

atatatatag tgtatatata tactatatat atagtatata gtatatatag taatatatat 120

atatagtata tatatacact atatatagta tatatagtat atatatattg tgtatatagt 180

atatatatag tgtatatata gtatatatat attgtatata tagtatatat attgtgtata 240

tatagtatat atatagtata tatagtatat atagtatata tatagtatat atatactata 300

tatatagtat atatatattg tatatatata ctatatatat agtat 345

<210> 38

<211> 474

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(474)

<223> MAR of chromosome 1 genomic contig; 13496468..13496941

<400> 38
atattatata taatataatt atatctataa ttatatatta tatataatat aattatatat 60

ctataattat atattatata taatatatat tatatataat atataattat atataattta 120

tataatataa tatataatat ataattatat ataattatat aatataatat ataatatata 180

attatatata atttatataa tataatatat aatatataat tatatatatt tatataatat 240

aattatatat aatatataat tatatataat ttatataata taattatata taatatataa 300

ttatatataa tttatataat ataattatat ataattatat attatatata atttatataa 360

tataattata tataatatat aattatatat aatatataat tatatataat tatatataat 420

atataattat atataattta tataatataa ttatatatta tatatattat atat 474

<210> 39

<211> 483

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(483)

<223> MAR of chromosome 1 genomic contig; 2509163..2509645

<400> 39
caaaatacat aatatataat agtattatat aatagtatgt atagttataa tatatagtat 60

aattacaata tatgatatgg tttatatatt atatatagta taatataata taacataata 120

ctattataat atataaacta tataatatat actattataa tatatgaact attataatat 180

ataaactata tataatatat aatatgtact attataatat ataaactatt ataatataat 240

atataaacta ttataataca taaactatta taatatatat aatactatgt atacatatat 300

tacattatgt acatactaca ttatgtatta tgtatgtata tatacacaaa atacataata 360

tataatagta ttatataata gtatatatag ttataatata tagtataatt acaatatata 420

atatggttta tatattatat atagtataat acaatataac ataatactat tatatataaa 480

cta 483

<210> 40

<211> 641

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(641)

<223> MAR of chromosome 1 genomic contig; 2776349..2776989

<400> 40
tgttatatat atataacata gatattatat atacatgtta tatatataac atagatatta 60

tatatacatg ttatatatat aacatagata ttatatatat aacatagata ttatatatac 120

atgttatata taacatagat attatatata catgttatat ataacagata ttatatatac 180

atgttatata taacatagat attatatatg tatgttatat ataacataga tattatatat 240

gtttatataa tatataacat atgtttaaca tatataatat ataacatgtt tatataatat 300

ataacataat tatatgttat atatgatata aaacatatat attatatacg ttatatgtaa 360

tatataacat atattgtata cgttatatgt aatatataac atatattgta tacgttatat 420

gtaatatata acatatattg tatacgttat atgtaatata taacatatat tgcatacgtt 480

atatgtaata tataacatat attgtatacg ttatatgtaa tatgtaacat atattgtata 540

cgttatatgt aatatgtaat atataataca tataacatgt atatataaca tatatgtata 600

taacatatat ataacatata taacatatat gttatattat a 641

<210> 41

<211> 745

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(745)

<223> MAR of chromosome 1 genomic contig; 2858703..2859447

<400> 41

atatttatat atgtaataat atataatata tttatatgta tttgtatatg taataatata 60

tatataataa aatatgtaat aatatataat atatttatat ataaatatat tatattatat 120

atatattatt atatttataa tataatatat atttatatta tatattataa atatatatta 180

tataatatat attataaata tatattatat aatatatatt ataaatatat attatattat 240

atattataaa tatatattat ataatatata ttataaatat atattatata atatatatta 300

taaatatata ttatatttat aatatatatt tttgtatatt atatattata tattataaat 360

attattatat ttataatata ttatatattt tatatataat atatgatata tattataaat 420

atatcttata aatatatata tttatatata tatattataa atatataaat ataaatatat 480

aatataatat aatataatat aataaatata atatataata tatataatat ataataaata 540

taataaatat aaatatatca tataaatata aatataaata taaatatatc atataaatat 600

atatatttat atgatatatt atagtatata taaatatatt tatatattat aaaatattta 660

tataatatat aattataata tatttatata tataaattaa ctaatatata taaactaata 720

taatatataa tgtaataata tagta 745

<210> 42

<211> 307

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(307)

<223> MAR of chromosome 1 genomic contig; 945522..945828

<400> 42

catatataat atatattacc tatgttatat aggtcatata taacataaat atattacata 60

tatgtaatat atattaaata taaatatata acatatatgt gtaactatat atgtaaatat 120

gtacatatac atatatgtaa atatataata tatatttaca ttatattata taatatatat 180

ttacattata tatttatata tacattatat atatttacat tataaatatt tatataatat 240

atatttacat tatattacat tatataaaat acaatatatt acattataat acattataac 300

agataaa 307

<210> 43

<211> 357

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(357)

<223> MAR of chromosome 1 genomic contig; 3402743..3403099

<400> 43
aatattatat taaatataat atattaatat ttaatatatt taatataata ttaaataaat 60

atattataaa taaattataa tatataaata tatattatgt atttatgtat aatatataaa 120

aattatatat aatatatata tttttataaa tatataaata tataataaat aaatatatta 180

aataaataat aatatattaa atattaatat attaaatatt atatattaaa tataatatgt 240

aatatgaaat atattaaata ttatatatta aatataatat ataatgtgaa atatattaaa 300

tattatatat taaatataat atataatatg aaatatatta aatattatat attaaat 357

<210> 44

<211> 323

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(323)

<223> MAR of chromosome 1 genomic contig; 3485830..3486152

<400> 44
atatttatag actatatatt tatatattta gtgtatttgt atactatata tttatatagt 60

tagtatattt gtatactata tatttatata tttagtatat ttgtatacta tatatttata 120

tatttagaat atttgtatac tatatattta tatatttagt atatttgtat actatatatt 180

tagtatattt gtatactata tatttatata tttagtatat ttgtatacta tatatttata 240

tatttagtat atttatatac tatatactta tatatttagt atatttatat actatatact 300

tatatattta gtatatttat ata 323

<210> 45

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(498)

<223> MAR of chromosome 1 genomic contig; 3548336..3548833

<400> 45
aattattact atattgttaa tataattatt atataatata atataattat atcactatta 60

ttatattata gtattaatat aatagtgtat aacattaata taatatagta ttaatataat 120

agcgtataac attaatataa tatagtatta atataatagc gtataacatt aatataatat 180

agtattaata taatagtgta tattaatata atatagtatt aatatataat attaatataa 240

tatatcaata taatagtata taatataata taatatatca atataatagt atataatata 300

atataatata tcaatataat agtatataat ataatataat atatcaatat aatagtatat 360

aatattaata taatataata tcaatataat agtatataat attaatatat taatataata 420

gtatataata ttaatgtaat ataatattaa cataatgtat ataataatat aatagtatat 480

aatactaata taatataa 498

<210> 46

<211> 400

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(400)

<223> MAr of chromosome 1 genomic contig; 4595109..4595508

<400> 46

aaatatatta tattatatat tatatattat tcaatatact ataatatata ttatatatgt 60

ttaatacaat atataatatt tacatatatt cccatttatt tatataacat atattatatg 120

atattatata ttactccata taatataata tattatacat aatatattac tcagtataat 180

acataatata tataatatat tactcggtat aatatataat attatatgtt atgcaatata 240

atatataata ttatatataa tacattattc aatataatat ataatattat atataataca 300

ttattcaata taatatataa tacactattc aatataatat acaatattat atataataca 360

ttattcaata taatatatat tatataatat atatatttat 400

<210> 47

<211> 403

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(403)

<223> MAr of chromosome 1 genomic contig; 7205509..7205911

<400> 47
agtatatata tgtgtatata tatgagtata tatatgtgta tatatatgag tatatatatg 60

tgtatatata tgagtatata tatgtgtata tatatgagta tatatatgtg tatatatatg 120

agtatatata tgtgtatata tatgagtata tatatgtgta tatatatgag tatatatatg 180

tgtatatata tgagtatata tatgtgtata tatgagtata tatatgtgta tatatgagta 240

tatatatatg tgtatatatg tgagtatata tatgtgtata tatatgagta tatatgtgta 300

tatatatgag tatacatatg tgtatatata tgagcatata tgtgtatata tatgagtata 360

tatatgtgta tatatatgag tatatatgtg tatatatatg agt 403

<210> 48

<211> 309

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(309)

<223> MAR of chromosome 1 genomic contig; 7507280..7507588

<400> 48

tataaaatat atattattta tatattatat ataaaatata tattatatta tatattatag 60

atataataaa taaataatat ataatatatt atataattat ttatacataa ttatatataa 120

ttatatgtaa ttgtacaatt atatataatt atatacaatt atacacataa ttatatacaa 180

ttatacaatt atatacataa ttatatatat aatatacata attatatatt aattatacaa 240

ttatatacat aattatatat aattatacaa ttatatacat aattattatg tatattatat 300

tatataata 309

<210> 49

<211> 516

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(516)

<223> MAR of chromosome 1 genomic contig; 3581085..3581600

<400> 49

atatatatat atatatatat atttatatat atatatatta atatatatta tatataaaaa 60

tatataaaat ttatatatat aatttatata tataaaaata tataaaattt atatatataa 120

tttatatata taaaaatata taaaatttat atatataatt tatatatata aaaatatata 180

aaatttatat atataattta tatatataaa aatatataaa atttatatat ataatttata 240

tatataaaaa tatataaaat ttatatatat aatttatata tataaaaata tataaaattt 300

atatatataa tttatatata taaaatatat aaattatata tataattata tatataatat 360

aaaattatat atataattat atatataata taaaattata tatataatta tatatataat 420

ataaaattat atatatattg tatatatata aaatatacaa aatttatata tataaaatat 480

aaaatataca taaaaataaa tatatataat ttatat 516

<210> 50

<211> 534

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(534)

<223> MAR of chromosome 1 genomic contig; 3084851..3085384

<400> 50

atataatata tatgactata tattttatat tatattctat ttcaataaaa tatttatatt 60

ttattatata ttataatata taattatata tgtaataata tataatatat aatatatatt 120

ttatattata ttttatattt atttttatat tttatattat attttattat atatattata 180

atatataatt atatatgcaa taatatatta tatattataa tatataatta tatatgcaat 240

aatatattat atattataat atataattat atatgcaata atatattata gattataata 300

tataattata tatgcaataa tatattatat attatatatt agataatata ttaatatata 360

ttataacata taatatataa catataatat ataatatatt atctaatata taatataaca 420

tataatatat aatatattat ataatatatt attacatata taatatattg taatatataa 480

tattacatat atcttcaaaa agagttatgt gtatataata catatatata ccat 534

<210> 51

<211> 583

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(583)

<223> MAR of chromosome 1 genomic contig; 160087..160669

<400> 51
tatttatata aaatatataa aatatattat atataaatat attatatata atatatttat 60

atattataca atatatttat atattatata taatatattt tatataatat acataatata 120

ttttatatat tatatataat atattttata tataatgtac aatatatttt atatattata 180

tataatatat tttatatata ctatacaata tattttatat attatatatt ttatatatat 240

ttttcatgta acatatatat tttatatata atatatatac catatataat atattttata 300

tataatatat ataccatata taatatattt tatatataat atgtatatca tatatagtat 360

attttatata taataggtat accatatata atatatttta tatataatag gtataacata 420

tataatatat tttatatata atatgtatac catatataat atattttata tattatagat 480

accatatgta atatacttta tatataatat agataccata tgtaatatac tttatatata 540

atatagatac catatgtaat atactttata tataatatag ata 583

<210> 52

<211> 314

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(314)

<223> MAR of chromosome 1 genomic contig; 4350424..4350737

<400> 52
tatgtgtata taaatatatg tatatatgtg tatataaata tatataaata tatgtatata 60

tgtatatata catatattta tatataaata tatgcatata tttatatata aaatatatgc 120

atatatgtat atatataaaa tatatacata tatgtatata tataaaatat atacatatat 180

gtatatatat aaaatatata catatatgta tatatataaa atatatacat atatgtatat 240

atataaaata tatacatata tgtatatata taaaatatat acatatattt atatatataa 300

aataccaagt ctta 314

<210> 53

<211> 828

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(828)

<223> MAR of chromosome 1 genomic contig; 8443267..8444094

<400> 53
tattatataa ttatatatac tatataatta tataatatat agttatatag tatatataat 60

atatataata tatactatag tatatataat atatataata tatactatag tatatataat 120

atataattat atataatata tataatatag tatatattat atatatatta tatatatata 180

atatatatat aatatatata atatagtata tataatatat aattatatat aatatataat 240

atagtatata taatatataa tatatatata attatatact ataatatata taatatataa 300

ttatatatta tatactatag tatatattat tatatataat agatataata tatataatta 360

ttatataata tagtatatat aatatataat tatatataat agatataata taatataatt 420

atatataata tagtatatat aatatataat tatattatat tatatataat atataattat 480

aatatataat tatattatat aatatatata atatataatt atattatata attatattat 540

ataatatata taatatataa ttatattata taatatatat aatatataat tatattatat 600

aatatatata atatataatt atattatata atatatataa tatataatta tattatataa 660

tatatataat atataattat atattatata taatatagta tatataatat gtaattatat 720

atcatataat atataacatt gtatataata tataattaca tattatataa tgtatataat 780

atataattat atacattata taatatagta tataattata tattatgt 828

<210> 54

<211> 573

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(573)

<223> MAR of chromosome 1 genomic contig; 8703190..8703762

<400> 54

tatattatat ataaaatata catataatat acctataata tacatataat atataatata 60

tattatgtac atataatata catataatat atataatata taatgtacat ataatataca 120

tataatatat gttatatatt atatataaaa tataggatat atataatata gaatatatat 180

actatattgt atatataaga tatataatat atagtatata tactatataa tatataatat 240

atagtatata taatatataa tatagaatat atatacaata tataatatag aatataggat 300

atatatagaa tatacatata taatatgtat atattatata ttatattata tattatataa 360

aaatatataa tatataatat aaaaatatat tatatattat ataatataaa atatattata 420

tattatatat tatataatat aaaatatatt atatattata tattatatat aaaatatatt 480

atatattata tattatatat aaaaatatat tatatattat atattatata taaaaatata 540

ttatatatta tatataaaaa tatatattat tac 573

<210> 55

<211> 597

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(597)

<223> MAR of chromosome 1 genomic contig; 8819076..8819672

<400> 55

acatatctta tatataaaat atataaatat acacatattt tatatataat atatattata 60

tatatgaaat atacacatat ttttatatat ataatatata tattatatat aatatatgca 120

tatattatat ataaaatata tatattatat ataaaatatg catatattat atataatata 180

tataatataa aatatataat atatattata tattatatat aatatatatt atatataata 240

catatatata atatataata tatataaaat ataatatata tattatataa tatatatata 300

aatatatata atatatatat aatatatata ttatatataa aatatatatt atatgtaaaa 360

tatataatat atataatata tatattatat gtaaaatata tattatatat aaaatatata 420

atatataaaa tatatattat atataaaata tataatatat aaaatatata atatatataa 480

aatatataat atatataaat atatattata tataaaatat ataatatata taaatatata 540

ttatatataa aatatataat atatataaat atatattata tataaaatat atattat 597

<210> 56

<211> 646

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(646)

<223> MAr of chromosome 1 genomic contig; 759619..760264

<400> 56
taatatatat aatatatatt atataataat atataatata tattatatta taatatataa 60

tatattatat aataatatat attatataat atataataat atatataata catattattt 120

aataatatat aatatatatt atataataat atataatata tattatataa taatatacat 180

tatattatat aatatataat atatataata tatattatat aataatatat aatatatatt 240

atagaatgat atattagata ttatataatt atatatataa tattatatat tatataataa 300

tatataatat atattatata attatatata taatattata tattatataa ttatatataa 360

tatattatat aattatatat ataatattat atattatata attatatata atatatatta 420

tataattata tatataatac tatatattat ataattatat ataatactat atattatata 480

atttatataa ttatatatat tatatattat ataattatat atattatata ttatataata 540

acatatatat tatatattat ataataacat atatattata tattatataa tacatatata 600

ttatatatta tataatacat tattatataa tatataatat atatta 646

<210> 57

<211> 752

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(752)

<223> MAR of chromosome 1 genomic contig; 1226710..1227461

<400> 57
taaacatata tataaatata tataaatata tatataaata tatataaata tataaatata 60

taaatatata tgaatatata aatatatata aatatatatg aatatataaa tatatatata 120

aatatatata aatatatata taaatatata taaatatata taaatatata taaatatata 180

taaataaata tataaatata tataaatata taaatatata tataaatatg taaataaata 240

tatataaata tataaatata tataaatata tataaatata tatagaaata tatatagaaa 300

tatatataaa tatatataga aatatataga aatatatata gaaatatata taaatatata 360

taaatataga aatatatata aatatatata aatatatata gaaatatata atatatataa 420

atatatataa atatataaat atatatataa atatatatat aaatatatat aaatatatat 480

aaatatatat aaatatatat aaatatatat attaatatat aaatctatat taatatatat 540

taatatataa atctatatta atatatatta atatatatat taatatatat taatatataa 600

atatatatat taatatataa atatatataa atatatatgt aaatatatat ataaatatat 660

ataaatatat atataaatac atataaatat atatataaat atatataaat atatatataa 720

atatatataa atatatatat aaatatatat aa 752

<210> 58

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(300)

<223> MAR of chromosome 1 genomic contig; 1119049..1119348

<400> 58
taatatacat tttatataat atatgtaata tatattttat atatatgtaa tatatatttt 60

atataatata tgtaatatat attttatata tatgtaatat atattttata taatatatgt 120

aatatatatt ttatataata tatgtaatat atattttata taatatatgt aatatatatt 180

ttatataata tatgtaatat atattttata taatatatgt aatatatatt ttatataata 240

tatgtaatat atattttata taatatatgt aatatatatt ttatatatat gtaatacata 300

<210> 59

<211> 617

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(617)

<223> MAR of chromosome 1 genomic contig; 3603613..3604229

<400> 59
aaaatataat atatataata tataatatat ataatatatt atatataaaa tatataatat 60

ataatatata taataaaata tacataatat ataatgtata ataaaatata cataatatat 120

aatatataat aaatatataa tatataatat ataataaaat atataatata taatatataa 180

taaaatatat aatatattat atataataaa atatataata tattatatat aataaaatat 240

ataatatatt atatataata aaatatataa tatattatat ataataaaat atataatata 300

ttatatataa taaaatatat aatatattat atataataaa atatataata tataatatat 360

aataatatat ataatatata atatatataa taaaatatat ataatatata atatatataa 420

taaaatatat aatatataat atatataata aaatatatat gatatataat atatataata 480

aaatatatga tatataatat atataataaa atatataata tataatataa tatataatat 540

atatactaaa aaatatataa tatataataa aaaatatata atatataata tatataatat 600

ataataaaat atatata 617

<210> 60

<211> 674

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(674)

<223> MAR of chromosome 1 genomic contig; 2592460..2593133

<400> 60

taagcttata tatatatata agcttatata tatatatata agcttatata tatatagaaa 60

gcttatatat atatagaaag cttatatata taagaagctt atatataaaa gcttatgtat 120

aaatatatat aaatatattt atttatgctt atagatacat atataaatat atttatttat 180

atttatatat aaacatatat ttatatatat ttatataata tttatttatt atataaataa 240

atatataata aataataaat atatataata tatttattgt attatttata taaatttatt 300

aatataatat ataataaaat aataattata taaatatata aatatctata aatatatata 360

aatatatata atatctataa atatatataa atataaatat atataatatc tataaatata 420

gataaatata aatatatata atatctataa atatagataa atataaatat atataactat 480

atataaatat atataactat atataaatat atatataaat atatataact atatatataa 540

ctatatatat aaatatatat aactatatat ataaatatat atataaatat atataactat 600

atatataaat atatataact atatataaat atatatataa atatatataa ctatatatat 660

aaatatatat ataa 674

<210> 61

<211> 1694

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1694)

<223> MAR of chromosome 1 genomic contig; 2891680..2893373

<400> 61

atatgtaata catatattat atatgcatat atacatgcat atgtatatac atatattata 60

tatgcatata tacatgcata tgtatataca tatataaagt atgattatat ataatatata 120

catgtatatg tatatacatg tatatattat attatatatt atttatacat attattatgt 180

ctatatataa tataatatat acatattaat aatataatac ataatataat ataatatatt 240

atataataca taatataata taatatatta tataatacat aatataatat aatatattat 300

atgatacata atataatata atatattata tgatacataa tataatataa tacatattaa 360

taatatatta ttattattaa tataatatat acatattaat atacatacat atatattata 420

ttatatataa tatacatata atataatatg taatattata tataatataa tacataatat 480

aatacatatt aataatatat tattaataag ataatatata tgtatctata atatatacat 540

atatgtatat gtatgtatat attatagata tacatgttta tacatgtata tattatagat 600

atatacatgt atatacatgt atatattata gatatataca tgtatatacg tatatattat 660

agatatacat gtatatatgt atatatatta tagatataat atatacaaga atataagaat 720

atatataata taatatataa tacacataat acgtatatat tatatataca tgtatattat 780

atatgtacat atatacatgt atattatata tacatgtata ttatatatac atgcatatta 840

tatatatttt tatatataat atccatgtat attatgtata tttgtgtata ttatatatac 900

atgtatatta tatatacatg catattatat atatttttat atataatatc catatatatt 960

atgtatattt gtgtatatta tatatacaca tatattatat atacatggat attatatata 1020

cacatatatt atatatacat atatattata tatacacata tattatatat acatgtatat 1080

tatatataca cgtatattat atatacacac gtatattata tatacacgta tattatatat 1140

acacacgtat attatatata cacgtatatt atatatacac acgtatatta tatatacacg 1200

tatattatat atacacacgt atattatata tacacgtata ttatatatac acacgtatat 1260

tatatataca cgtatattat atatacacac gtatattata tatacacgta tattatatat 1320

acacacgtat attatatata cacgtatatt atatatacac acgtatatta tatatacatg 1380

tatattatat atacatgtat attatatata cacatgtata ttatatatac atgtatatta 1440

tatatacaca tgtatattat atatgcatgt atattatata tacacatgta tattatatat 1500

acacatgtat attatatata catatatatt atatatacat gtatattatg tatacatata 1560

tattatatat acatgtatat tatagataca tatatattaa atatacatgt atattatgta 1620

tacatatata ttaaatatac atgtatattg tatatacata tatattatat acatgtatat 1680

tacatgtata cata 1694

<210> 62

<211> 587

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(587)

<223> MAR of chromosome 1 genomic contig; 3432560..3433146

<400> 62
gaattatata tatatagctg aattatatac atatataata tatacaatat atattatata 60

tttatatatg atatatacaa tatatattac atattatata tacaatatat aatatataat 120

atataatatt atatattata tattgtatat aatatatatt atataacatt atataatata 180

taatattata tattatatat tgtatataat atatattata taacattata taatatatac 240

tattatatat tataatatat aatatataat aatatataat agtatatatt atatatattg 300

tatatattat atataaatat ataatatata atatatatta tataatatat attatataat 360

atatattatt atatattata tatttatata taatatatat tatatatatt atattttata 420

tataaatata taatatataa taatatataa tttaatatat ataatatata caatatataa 480

tatataatat attaatatat ataatatata caatatataa tatataatat ataatatata 540

atataaatta ttatatataa tatatattat atatagctga attatat 587

<210> 63

<211> 313

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(313)

<223> MAR of chromosome 1 genomic contig; 3805392..3805704

<400> 63
tatataatat gtatattatg taatatttta tatagcatat atgtatatta tatataatct 60

tttatatata gtatataata tgtatattat atattatata attatataat tatgtattat 120

ataaaatata ttatataata tataattata tatttttga aatatagatt atatataata 180

tatatggcag tgagctgaga tataatatat attatctata ctatataata tatattatat 240

atactctata ttatatatgt atatattata tataatatat acatatataa tgtgtatata 300

ttatatataa taa 313

<210> 64

<211> 349

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(349)

<223> MAR of chromosome 1 genomic contig; 4521378..4521726

<400> 64
ttatatacac tatataatat gtatttatat atacttatat acactatata tgtatttata 60

tataattata tacactatat aatatgtatt tatatataat tatatacact atataatatg 120

tatttatata taattatata cactatataa tatgtattta tatataattg tatacactat 180

ataatgtata tttatatata attgtataca ctatataatg tatatttatg tataattgta 240

tacactatat aatgtatatt tatgtataat tgtatacact atataatgta tatttatgta 300

taattgtata taccatataa tgtatattta tgtataattg tatatacca 349

<210> 65

<211> 500

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(500)

<223> MAR of chromosome 1 genomic contig; 3240166..3240665

<400> 65

ttaatatata atatatatta tatatttata tattaatata taatatatat ttatatataa 60

tatatattat atatttatat tacatatatt tatatgttaa tatatatttt atatatttat 120

atattttata tatttatata ttatatattt atatattata tttatatatt atatatttat 180

attatatatt tatatattat atttatatat tatatattta tattatatat ttatatattg 240

tatatttata ttatatattt atatattgta tttatatatt atatatttat atactatata 300

tatttatata tattatatat ttatatatta tatatattta tatatattat atatttatat 360

attatatata tttatatata ttatatattt atatattata tatatttata tatattatat 420

atatttatat atattatata tttatatata atatatatta tatattttat ctatatattt 480

atatattaat atatattata 500

<210> 66

<211> 866

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(866)

<223> MAR of chromosome 1 genomic contig; 409429..410294

<400> 66
atatatataa tatattatat atattatata ttatatatat aatacatata ttatatatat 60

aatatataat acatatatta tatatattat atattatata taatatataa tacatatatt 120

atatataata tataatatat aatatattat ataatataat tatataatta tataatataa 180

tataatatat aatattatat aattatataa tatatataat tatattatat attataaata 240

ttatataata tatatattac aaatatatat tatatatatt ataaatatta tataacatat 300

atattatata atatatataa tatataatat atataaaaat ataatatata agatatatat 360

aatatatgat atatatgata tataatatat gatatatatg atatatataa tatatgatat 420

atatgatata tatgatatat ataatatatg atatatatga tatatatgat atatgatata 480

tatgatatat gatatatatg atatatatga tatatgatat atatgatata tatgatatat 540

gatatatatg atatatatga tatatgatat gatatatata atatatgata tgatatatat 600

aatatatgat atatatgata tatgatatgt aatatatatg atatattata tataatatat 660

aatatataca taatatataa tatataatat ataatatata taatatgtga tatatataat 720

atatgatata tgatatatga tatatattat ataatatata taatatatat tatatataat 780

atatattata taatatatat aatatatatt atatataata tataagatat aagatataat 840

atatataata tataatatat ataata 866

<210> 67

<211> 335

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(335)

<223> MAR of chromosome 1 genomic contig; 614754..615088

<400> 67
acccaatata tgtgtatata tgtatgtata tatacatata catacataca tatatgtaca 60

tacatatata catacataca tatatatgta catacatata tacatacata catatataca 120

tataacatat atacacacat atatacagat atacatatat acatacatat atacatataa 180

catatataca tacatatata catataacac atacatacat acatatatac atacaacata 240

tatacataca tatatacata tgtatacata catatatgta tacatatatg tatacatata 300

tgtatacata tatgtatata tatattgtta tatat 335

<210> 68

<211> 455

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(455)

<223> MAR of chromosome 1 genomic contig; 1299520..1299974

<400> 68
ggatatatat attattagtt gttatattat tatatattat atatattatt atatataata 60

tattatatca tatatattat tatatataat atattatatc atatatatta ttatataata 120

tattatatca tatatattat tatatataat atatattata tatattatta tatataatat 180

atattatata tattattatg tataatatat atattatata ttatttatat atatataaat 240

tatataataa tatataatta attatacata tatacatata taagtataca tataatatat 300

ttatatagta tatataaata tatatacaat atatttatat attatatatt atatataaat 360

atatacaata tatttatatc atatatttta tatatgatac atataatata tattatatat 420

gatatataat atatatcata tatgatatat aacat 455

<210> 69

<211> 404

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(404)

<223> MAR of chromosome 1 genomic contig; 1970778..1971181

<400> 69
atatataata tgtataatat ataatatata tcatatattg ttctatgtat attacatata 60

atatgcatta tatattatat attgcatata atatgcatta tatattatat attgcatata 120

atatgcatta tatattatat attgcatata atatgcatta tatattatat attgcatata 180

atatgcatta tatattatat attgcatata atatgcatta tatattatat attgcatata 240

atatgcatta tatattatat aatatataca catataatat atataattta tatatattta 300

tatatattta catttattat atatttatta tatataaata tatttttata tattacttat 360

atattatata taatatatat aatatatata ttatatataa tata 404

<210> 70

<211> 605

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(605)

<223> MAR of chromosome 1 genomic contig; 3562918..3563522

<400> 70

tatatatata aaatacatat atattatata tattatatat aatacatata ttatatatta 60

tatataatac acgtatataa tatataatat ataatacata taatatatat gatatataat 120

acatataata tatatgatat ataatacata tataatatat atgatatata atacatatat 180

aatatatatt atatataata catatataat atatattata tataatacat atataatata 240

tattatatat aatacatata taatatatat tatatataat acatatataa tatatattat 300

ataatacata tataatatat attatataat acatgtatat aatatatatt atatataata 360

catatatatt atataataca tgtatataat atatattata tataatacat atatattata 420

tattatatat taatatattt atataatagt aatatataat attaatatat tatatatatt 480

aatattatat ataatacata tattatatat aatataaata tatataatac atatataata 540

cacatattat atataataca tatattatat ataatatata tattatatat aatatatatg 600

taata 605

<210> 71

<211> 317

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(317)

<223> MAR of chromosome 1 genomic contig; 189743..190059

<400> 71
tattttttat atttatatat tatatatatt tttatatgta atatattata tataaaatta 60

tataatttta ctacatataa tatataaaat tatataattt tactacatat aatatataaa 120

attatataat tttactatat ataatatata aaattatata attttatata taatatatat 180

tataatatat attatatgca atatatatta tatattatat tataatatat tgtatatttt 240

tgtatataaa atatataata tataatatat ttatagacaa taatatataa tataatatat 300

aaaattttat atataaa 317

<210> 72

<211> 522

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(522)

<223> MAR of chromosome 1 genomic contig; 229111..229632

<400> 72
gatatatata tttatatata taaaagatat atattattta tatataaaga tatatattta 60

tatatataaa agatatatat tatttatata tataaaagat atatatttat atatatgata 120

tatattattt atatatataa aagatatata tttatatata tgatatatat tatttatata 180

taaaagatat atataaaaga tatatattat ttatatatat aaaagatata tatataaaag 240

atatatatta tttatatata taaatgatat atattattta tatataaaag atatatatta 300

tttatatata aaagatatat attatttata tatataaaag atatacatat aaaagatata 360

tatttatata taaaagatat atatatttat atataaaaga tacatatatt tatatatata 420

aaagatatat atatttttat atataaaata tatattatat atataaaaga tatatataaa 480

tatatatatc ttttatatat aaaagatata tataaatata ta 522

<210> 73

<211> 1110

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1110)

<223> MAR of chromosome 1 genomic contig; 1138030..1139139

<400> 73
tatgtatgta tacataatat attatatatg tatattatgt atacataata tattatatat 60

gtatattatg tatacataat atattatata tgtatattat gtatacataa tatattatat 120

attatatgta tattatgtat acataatata ttatatatta tatgtatatt atgtatacat 180

aatatattat atattatatg tatattatgt atacataata tattatatat tatatgtata 240

ttatgtatac ataatatatt atatattata tgtatattat gtatacataa tatattatat 300

attatatgta tattatgtat acataatata ttatatatta tatgtatatt atgtatacat 360

aatatattat atattatatg tatattatgt atacataata tattatatat tatatgtata 420

ttatgtatac ataatatatt atatattata tgtatattat gtatacataa tatattatat 480

attatatgta tattatgtat acataatatt tatatattat atgtatatta tgtatacata 540

atatattata tattatatgt atattatgta tacataatat gtacacataa tatttatata 600

ttatatgtat attatgtata cataatattt atatattata tgtatattat gtatacataa 660

tatttatata ttatatgtat attatgtata cataatattt atatattata tgtatattat 720

gtatacataa tatttatata ttatatgtat attatgtata cataatatat tatatattat 780

atgtatatta tgtatacata atatattata tattatatgt atattatgta tacataatat 840

attatatatt atatgtatat tatgtataca taatatttat atattatatg tatattatgt 900

atacataata tattatatat tatatgtata ttatgtatac ataatatatt atatattata 960

tgtatattat gtatacataa tatattatat attatatatg tatattatgt atacataata 1020

tattatatat tatatatgta tattatgtat tatattatat attatgtata ttatagatta 1080

tgtatgcata cataatatgt attgtatatt 1110

<210> 74

<211> 521

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(521)

<223> MAR of chromosome 1 genomic contig; 2863407..2863927

<400> 74
aatatatata aatatataaa tatatataaa tatatataca tataaatata taaatatata 60

tatgtaaata tatgtaaata tatgtaaata tatgtatatg tatatatatg taaatgtatg 120

taaatatata taaatatatg taaatatata taaatatacg taaatatata aatatatata 180

actatatata aatatatata aatataaata tataaatata tataaatata tataaatata 240

taaataaata catataaata tataaataaa tacatataaa tatatataaa tatataaaaa 300

tatatataaa tatatatata aatatataaa catatataaa tatataaata tatataaata 360

tataaataca taaaatatat aaatatatat aaatatataa atatatataa atatagataa 420

atatagataa atatataaat atatataaat atataaatat agataaatat ataaatatat 480

aaatataaat atataaaaat atatataaat atataaaaat a 521

<210> 75

<211> 560

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(560)

<223> MAR of chromosome 1 genomic contig; 5712303..5712869

<400> 75
atataattat atatatatta tatattatat ataattatat attatatata atgtataatt 60

atatattata tataatatat ataaatatat atatttttta tataaatata ttatatattt 120

atatattata tataaattta tatatataaa tttttatata ttatatatat ttatatatta 180

tatattgtat atatttatat attacatatt gtatatattt atatattata tattatatat 240

ttatatatta tatattatat atttatatat tatatattat atatatttat atattatata 300

taaattattt atatataata tataaatata tattatataa tataaatttg tatatataat 360

atatatttat attatatata aaatatttat attatatata aaatataata taaatatata 420

catataatat atatattata tatttataat tatatattat atataataca tataatatat 480

aatatataat acatatatat catatatgaa atatatatca tatattatac atattatata 540

taacatatat attatatatc 560

<210> 76

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(479)

<223> MAR of chromosome 1 genomic contig; 8578812..8579290

<400> 76

tatggtatac atatagtata tatggggtac atatatggta tatatatggg ttatatatat 60

gatatatatt atatatgtat atggtatata tatggtatat atattataca tgcatatggt 120

atgtatatgg tatatatatg atatatacat atggtgtata tatatgttat atatgatata 180

tataaggtat atatatggta tatataaggt atatatagta tatatatggt atatataagg 240

tatatattgt atatatatgg tatatataag gtatatatat tgtatatatg gtatatatat 300

ggtttatata tatggtgtgt atatatggtg tttatataca cactttatat actatatatt 360

atatacacac tatatataat atatattata tatagttaaa tatatggtat atgcaattag 420

atatatggta tatgtaatta tatatatggt atatagatgg tgtatatatg gtatatata 479

<210> 77

<211> 477

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(477)

<223> MAR of chromosome 1 genomic contig; 8579294..8579770

<400> 77
tatagtatat atacacacta taggtaatat actacatatt atatacacac tataaataaa 60

atatataata tataatattt tctatatagt atatattata tattgtatat actatatata 120

atatatacta tagacagtag atactttata tactatagac agtatatact atatactgta 180

tacactatag acagtatata ctatatactg tatacagtat atgtagtgta tatgtagtgt 240

atataatata tagtatatat tatctatact atatacagta tatatagtgt atacataata 300

tatattatat attatatata ctatatacag tatacatagt gtatatgtag tgtataatat 360

atataatgtg tatataaaat atatatacta tatataatat atattatata taatatatac 420

actatatata ctatagatac actatatatt cactatatat actatatata ctatata 477

<210> 78

<211> 331

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(331)

<223> MAR of chromosome 1 genomic contig; 8580024..8580354

<400> 78
actatatgtt atatacataa gatatagtat ataccatata ttatatacat tatatatagt 60

gtatactata tataatgtat ataatatata gtatatatac actatatata ctatgtatat 120

atacactata tatactatgt atatatacac tatatatact atgtatatat acactatata 180

tactatgtat atatacacta tatatactat gtatatatac actatatata ctatgtatat 240

atacactata tatactatgt atatatacac tatatatact atgtatatat agtgtatata 300

tactgtatat gttatagtgt atatatagta t 331

<210> 79

<211> 410

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(410)

<223> MAR of chromosome 1 genomic contig; 8580705..8581114

<400> 79
tatagtctat attatataca gtctatataa tatatagtat atactatata tacttttcct 60

cattctgact atatactata tatatactat atatagtata tgtagtgtat atatacacca 120

tatatactat atatagtata cataccatat atagtatact atacatacca tatatagtat 180

acataccgta tatagtatac tatacttacc atatatagta tacatactat atataatata 240

tctggtgtat atatacacta tatatactat atatactata tatagtatat gtacactatt 300

tatagtattt atagtatata tactgtatat atagtatgta gtatatatac tatatattat 360

gtagactata tataatatag actatgtgta gagtatatat actatatata 410

<210> 80

<211> 433

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(433)

<223> MAR of chromosome 1 genomic contig; 12979167..12979599

<400> 80

atatataata tatatatgtc ctatatataa aatatatcat atatataaat atatatgata 60

tattttatat attaaatata taattatata taaatatata tttatatata aatatattat 120

ttcaatatat ataaatatat ttaaatatat ttaaatagaa tattaaatat ataaatatat 180

aattatattt aatatataaa tatatattaa atatataatt atatttaata tatataaata 240

tatattaaat atataattat atatttatat atttattata tataaatata tatttgttct 300

aaataaatat atattctaaa tatataatat tttatattat ataatatata atataaaata 360

tataataaat atataatata taaataaata aatatttatt ataaaataca tataaatatt 420

aaatatatat taa 433

<210> 81

<211> 385

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(385)

<223> MAR of chromosome 1 genomic contig; 16336644..16337028

<400> 81
tttatataaa tatctatata aataaatata taaatatata aatataaata tatataaata 60

tataaataaa tatataaata tatataaata taaatatata tataactatg aatttatatt 120

tatataaata tatatctata tgaatataaa tatatattta tataaatata aatatatata 180

taaatatata tatttatata gatataaata tatatataaa tatatatatt tatatagata 240

taaatatata tctatatatg aatatatatc tataggaata taaatatata tctatataaa 300

tataaatata tataagtata aatatatata aatatatatc tatataaata taaatatata 360

tataaatata aatatatata taaat 385

<210> 82

<211> 363

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(363)

<223> MAR of chromosome 1 genomic contig; 20624448..20624810

<400> 82
tatatatata gttatatata tatttatata tatagttata tatatatttt tatatagtta 60

tatatatagt tatatatata gttatatata tatagttata tatatagtta tatatatagt 120

tatatatata tagttatata tatagttata tatatagtta tatatatagt tatatatata 180

tagttatata tatagttata tatatatagt tatatatata gttatatata tatagttata 240

tatatagtta tatatatagt tatatatata gttatatata tagttatata tatatagtta 300

tatatatata gttatatata tatagttata tatatagtta tatatatata gttatatata 360

tag 363

<210> 83

<211> 310

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(310)

<223> MAR of chromosome 1 genomic contig; 566025..566334

<400> 83
tatatataat atatattgta tatattatat attgtatata taatatatat tgtatatatt 60

atatattgta tatataatat atattgtata tattatatat tgtatatata atatatatat 120

tgtatatatt atatattgta tatataatat atatattgta tatattatat attgtatata 180

taatatatat attgtatata ttatatattg tatatataat atatatattg tatatattat 240

atattgtata tataatatat atattgtata tattatatat agtatatatt atatatagta 300

tatataatat 310

<210> 84

<211> 1236

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1236)

<223> MAR of chromosome 1 genomic contig; 1171429..1172664

<400> 84

aaagtattat atgtattata tgtatatgta ttatatatta catatgtatt atatataata 60

tatattatat attattatat attatatatt atatattatt atttatataa tgtattatat 120

attatatagt atatatagta tatataatgt attatatatt atatagtata tatagtatat 180

ataatgtatt atatatagta tatataatgt attatatagt atatatacta tataatgtat 240

tacatattat gtatagtata tgtaatgtat tatatattat atagtatatg taatgtatta 300

tatgtattat atagtatata ttatatatga tgtattattt agtatatata atatatatga 360

tgtattatat aacatatata atatatatga tgtattatat agcatgtata gtatatatga 420

tgtattatat agcatgtata gtatatatga tgtattatat atagcatgta tagtatatat 480

gatgtattat atatagcatg tatagtatat atgatgtatt atatatagca tgtatagtat 540

atatgatgta ttatatatag catgtatagt atatatgatg tattatatat agcatgtata 600

gtatatatga tgtattatat atagcatgta tagtatatat gatgtattat atatagcatg 660

tatagtatat atgatgtatt atatatagca tgtatagtat atatgatgta ttatatatag 720

catgtatagt atatatgatg tattatatat agcatgtata gtatatatga tgtattatat 780

attatatatg gtatatatga tgtattatat attatatatg gtatatatga tgtattatat 840

attatatatg gtatatatga tgtattatat attatatata atatatatga tgtattatat 900

attatatata atatatatga tgtattatat atgatgtatt atatataata tatatgatgt 960

attatatata ttattatcta ttatatacga tgtattatat gcaagttatt atgtataata 1020

tataatgtat tatatattat ataatgtata atatataaat atataaatat ataattatgt 1080

ataaatatag aaatatatac attatacatt atatacatta taatgtataa tatataaata 1140

tattatatat aaatgtatac attatatata aatatattat atacattata tataaaatat 1200

gtatatagtt attatacctt atatatacta aacagt 1236

<210> 85

<211> 309

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(309)

<223> MAR of chromosome 1 genomic contig; 1925173..1925481

<400> 85

atatatttat ataaatatat tttatataaa tatatattat ataatattat aatatatgtt 60

atattatata tattttatac aatatataat atatattata tatattttat acaatatata 120

atatatatta tatatatttt atataatata taatatatat tatatatatt ttatacaata 180

tataatatat attatatatt atataatata tattatatat attttatata atatataata 240

tatattttat acaatatata atgtatatca ttatattata taatgtatat catattatat 300

aatgtatat 309

<210> 86

<211> 312

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(312)

<223> MAR of chromosome 1 genomic contig; 4396756..4397067

<400> 86

cacagtgtat atatagtata tatactgtat atatactgtg tatatacact gtatatacac 60

agtgtatata cagtatatat actatatata cactgtgtat atatagtata tataaattct 120

aggaatatat atactatata tatactatat atataaattc taggaatata tacacactat 180

atatacacta tatatacaca tatatacact atatatatta tacacatata ttatatatat 240

acactatata tacacgagat atataacata tacactatat actatacata acatatatac 300

tatatatact at 312

<210> 87

<211> 398

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(398)

<223> MAR of chromosome 1 genomic contig; 56057..56454

<400> 87
atatatatta catattatat atataatata tattatataa tatatattat attatataat 60

atataatata aatataatat aaattatatt atataatata taatataaat ataatataaa 120

ttatataaat ataatatata ttttattata taatataata tatattatat aaatataata 180

tataaattat ataatataat atatattata taatataata tattttatta tataaatata 240

tattatatta tataatatat attttattat ataatatata ttatatattt atagaatata 300

atatatattt tattatataa tatatattat ataatatata ttatatttat atataacata 360

tattattata taaaatatgt ataatatata ttatataa 398

<210> 88

<211> 391

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(391)

<223> MAR of chromosome 1 genomic contig; 56984..57374

<400> 88
tactataata catattatat ataatattat atactatata ttactatatt attatattat 60

atataattaa actatattat agtatataat atataatata tactatatgt aatattacta 120

tgatactgat attatattat atataattaa attatattat attaatatat aaattatata 180

taatacataa tatataaatt atattatatt atttatatat aatgtatgcc atataattta 240

tatataatgc attatatata atttatatat aatgcattaa atataaatta tatataatgc 300

attatatata attatatata atgcattata tataatttat atttaatata taaatttata 360

tttaatatat ttatatatta tatataataa a 391

<210> 89

<211> 309

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(309)

<223> MAR of chromosome 1 genomic contig; 469547..469855

<400> 89

atatatatgt aatatatatg ttatatatgt aatatatatg ttatgttata tatgttatat 60

atatgttata tataatatat atgttatata tacgttatat gttatatata tgttatatat 120

aatatatgtt atatatacgt tatatgttat atatgttata tataatatat gttatatata 180

atatatgtta tatatgttat atataatata tgttatatat attatatata atatatgtta 240

tatatattat atataatata taatatatgt gatatataat ataaaatata tgtgatatat 300

attatatat 309

<210> 90

<211> 441

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(441)

<223> MAR of chromosome 1 genomic contig; 546190..546630

<400> 90
atacacaaca tatgtgtata tatatagtat atatacacaa catatgtgta tatatatagt 60

atatatacac aatatatgtg tatatatata gtatatatac acaatatatg tgtatatata 120

gtataaatat atactatata tagtatatat agtataaata tatactatat atagtatata 180

catagtataa atatatacta tatatagtat atacatagta taaatatata ctatatatag 240

tatatacata gtataaatat atactatata tagtatatac atagtataaa tatatactat 300

atatagtata tacatagtat aaatatatac tatatatagt atatacatag tataaatata 360

tactatatat agtatataca tagtataaat atatactata tatagtatat acatagtata 420

aatatatact atatatagta t 441

<210> 91

<211> 1367

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1367)

<223> MAR of chromosome 1 genomic contig; 124643..126009

<400> 91
atatttatat gatatataat atatataata ttatatataa tattatatat gatatataac 60

attatataat attatatatg atatatatta tatatattat atatgatata taatatatat 120

aatattatat atgatattat atatcatata taatatataa aatattatat atgatatata 180

atatatataa tattatatat attatatata ttatatatca tatataatat tctaaatata 240

taatattata tgatatataa gattatatac attatatata atatataata ttatatatga 300

tatataatat tatatacatt atatataata tataatgtat ataatattat atattatata 360

tttatattat atacaatgta tataatatta tatatcatat atatttatat tatatacaat 420

gtatataata ttatatatca tatataatat tatatacaat gtatataata tatattatat 480

atatttatat tatatacaat gtatataata tatattatat atatttatat tatatacaat 540

gtatataata tatattatat atatttatat tatatacaat gtatacaata ttatatatta 600

tatattatat atttatatta tatacaatgt atatattata tattatatat ttatattata 660

tacaatgtat atattatata ttatatattt atattatata caatgtatat attatatatt 720

atatatttat attatataca atgtatatat tatatattat atatttatat tatatacaat 780

gtatatatta tatattatat atttatatta tatataatgt atgtaatatt atatattata 840

tatttatatt atatataatg tatgtaatat tatatattat atatttatat tatatataat 900

gtatgtaata ttatatatta tatatttata ttatatataa tgtatgtaat attatatatt 960

atatatttat attatatata atgtatgtaa tattatatat tatatattta tattatatat 1020

aatgtatgta atattatata ttatatattt atattatata taatgtatgt aatattatat 1080

attatatatt tatattatat ataatgtatg taatattata tattatatat ttatattata 1140

tataatgtat gtaatattat atattatata tttatattat atataatgta tgtaatatta 1200

tatattatat atttatatta tatataatgt atataatatt atatattata tatttatatt 1260

gtatataata ttatatatta tatatttata ttgtatataa tatatattat atatttatat 1320

tgtatataat attatatatt atatatttat attatatata atgtata 1367

<210> 92

<211> 458

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(458)

<223> MAR of chromosome 1 genomic contig; 58908..59365

<400> 92
tatatgatat atatgatata tatgggatat atatgatata tatgatatat atggtatata 60

tatgatatat agtatatatg atatatatgg tatatatatg atatatagta tatatgatat 120

atatggtata tatgatatat agtatatatg atatatatgg tatatatggt atatatatga 180

tatatgatat atatgatata tatgatatat gatatatatg atatatatga tatatatggt 240

atatatgata tatatggtat atatggtata tatatgatat atatgatata tatggtatat 300

atatgatata tatgatatat atggtatata tatgatatat atgatatata tggtatatat 360

atgatatata tgatatatat ggtatatata tgatatatat gatatatatc atatatatgg 420

tatatatatg atatatatga tatatatcat atatatgg 458

<210> 93

<211> 330

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(330)

<223> MAR of chromosome 1 genomic contig; 306867..307196

<400> 93
ataatatata aatatatatg atatatatct atatatatca tatataaata tatatgatat 60

atatctatat atatcatata taaatatata tgatatataa atatatatga tatatatcta 120

tatatatcat atataaatat atatgatata taaatatata tgatatatat ctatatatat 180

catatataaa tatatatgat atatatctat atatcatata taaatatata tgatatatat 240

ctatatatat catatataaa tatatatgat atctatctat atatatcata tataaatata 300

tatgatatct atctatatat atcatatata 330

<210> 94

<211> 353

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(353)

<223> MAR of chromosome 1 genomic contig; 636899..637251

<400> 94
tatgtataca tatacacata tacgtatata tatacatata tacacatata cgtatatata 60

tacgtataca tacatatgta tatgtatacg tatacacaca tatgtatatg tatacgtata 120

cacacatata cgtatatatg tatacgtata cacacatata cgtatatgta tacatatata 180

tgtgtacata tacgtatata cgtatatgta tacatatata cgtttatgta tatatacgta 240

tatacgtata tatgtatatg tatacatata tacatatatg tgtatatacg tatatacgta 300

tatgtgtata tatacaatat acatacatgc acatatatgt gtatatgcac ata 353

<210> 95

<211> 345

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(345)

<223> MAR of chromosome 1 genomic contig; 1435510..1435854

<400> 95

atcatatata ttatatatca tatatatgat atataaaaat tatatatcat atatatgata 60

tataaaaatt atatatatca tatataatat atataatata ttatatatat aaattatata 120

taatatatat aaattatata tatcatatat atgatatata atttatatat catatatatg 180

atatatataa tatattattt atatataata tattatatat tatataatat gtaatatata 240

ttatatatta catattatat tatttataaa taatatttta taatatatat aatattatat 300

aatatagaat attatatatt atatattaca tattatataa tatat 345

<210> 96

<211> 521

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(521)

<223> MAR of chromosome 1 genomic contig; 39695..40215

<400> 96
tatatatata atagatatta tatatctatt atatatctat tatatatata atagatatta 60

tatatctatt atatatataa tagatattat atatctatta tatatataat agatattata 120

tatctattat atataatata tatctattat atattatata tctattatat ataatatata 180

tctattatat atattatata tctattatat atataataga tattatatat ctattatata 240

taatatatat ctattatata ttatatatct attatatata tgtatctatt atatatatta 300

tgtatctatt atatataata tatatctatt atatatatat tatatataat atatattata 360

tatattatat atctattata tataatatat atctattata tatattatat atctattata 420

tatattatat atctattata tataatatat atctattata tatattatat atctattata 480

tataatatat attatatata tattatatat tgtatatcta t 521

<210> 97

<211> 484

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(484)

<223> MAR of chromosome 1 genomic contig; 1286007..1286490

<400> 97
atatcatata tattatatat catatatatg atatataaaa attatatatc atatatatga 60

tatatataaa ttatatatat catatataat atatataata tattatatat ataaattata 120

tataatatta tatataaatt atatatcaca tatatgacat ataaattata tatcacatat 180

atgatatata atttatatat cacatatatg atatataatt tatatatcat atatatgata 240

tataatttat atatcatata tatgatatat aatttatata tcatatatat gatatatata 300

atatattatt tatatataat atattatata ttatataata tgtaatatat attatatatt 360

atataatatg taatatatat tatatattac atattatatt atttataaat aatattttat 420

aatatatata atattatata atatagaata ttatatatta tatattacat attatataat 480

atat 484

<210> 98

<211> 244

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(244)

<223> MAR of chromosome 1 genomic contig; 73556..73879

<400> 98
attatatatt atattatata atatataata atattatata attatatatt acattatata 60

atatataata atattatata ataatatata attatataat atataataat attatataat 120

attatataat attatataat atataaatat ataataatat atattatatt atataatagt 180

atatattata ttatataata tatgttatta tattatataa tataaactat tatataatat 240

aata 244

<210> 99

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(463)

<223> MAR of chromosome 1 genomic contig; 179038..179500

<400> 99
tacaatatat tttctattat atatattttg tattatatat aatatacaat atattttcta 60

ttatatataa tatattttgt attatatata ttacaatata ttttgtatta tataatatat 120

aatacaatat aatatattgt attatataat atataatact atataatata ttgtattata 180

tattatatat aatactatat aatatatttt attatatatt atatataata ctatataata 240

tattttatta tatattatat ataatacaat atataatata ttgtattata atacaatgta 300

ttataatgta ttatatataa tatataatac aatatataat attatatata tttatatata 360

tatatatttt gtattatata ttttgtatta tatatatttt gtattatata tttatatttt 420

atattataat tatgttttgc attatatatt tcatattata tat 463

<210> 100

<211> 390

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(390)

<223> MAR of chromosome 1 genomic contig; 55617..56006

<400> 100
tgtataatat atatacttta tatataatat atatacttta tatatatact atatactaat 60

atatataata tatactatat ataatatata ctaatatata taatatatac actatatata 120

atatatacta atatatatta tatatacttt atataatata tactaatata tataatatat 180

atactttata tataatatat actaatatat ataatgtata tactttatat ataatatata 240

ctaatatata atatatatac tttatatata atatatacta atatatatta tatatacttt 300

atatatataa tatatactta tatattatat atgcttatat ataatatata cactaatata 360

taatatatat actttatata ttatatttta 390

<210> 101

<211> 582

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(582)

<223> MAR of chromosome 2 genomic contig; 1157405..1157986

<400> 101
tgtatatgta tatatacaca tacgcacata tatgtatatg tatatataca catacgcaca 60

tatatgtata tgtatatata cacatacgca catatatgta tatgtatatg tatatgtata 120

tatacacata tacacatata tgtatatgta tatatacaca tatacacata tatgtatatg 180

tatatataca catatacaca tatatgtata tgtatatata cacatacaca tatatgtata 240

tgtatatgta tatatacaca tacacatata tgtatatgta tatgtatata tacacatata 300

cacatatata catatatgta tacatatatg tgtatatata tacacatata tatacatata 360

tgtatacata tatgtgtata tatacacata tatatacata tatacatata catatatatg 420

tgtatgtata tatacacata tacatatata tgtatatgtg tatatatatt agacagatat 480

atatgtacat atacatatat atgtatatgt atatgtatat gtatatgtat atgtatatgt 540

atatgcatat ataatataca tatacatata tgtatatgta ta 582

<210> 102

<211> 322

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(322)

<223> MAR of chromosome 2 genomic contig; 1858638..1858959

<400> 102

acaccatata tacaccatat atatacatac catatatata ccatatatat acataccata 60

tatataccat atatatacat accatatata caccatatat atacatacca tatatataca 120

ccatatatat acataccata tatataccat atatatacat accatatata taccatatat 180

atacatacca tatatataca ccatatatat acataccata tatatacacc atatatatac 240

ataccatata tataccatat atacaccata tatatacacc atatatacac accatatata 300

ccatatatat acaccatata ta 322

<210> 103

<211> 914

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(914)

<223> MAR of chromosome 2 genomic contig; 5712196..5713109

<400> 103

aaatatatat tctatatata gaaaatatat attctatata tatagaatat atatagaata 60

tatattctat atatattcta tatatataga atatatatat aaaacatata ttctatatat 120

aaaatatata ttctatatat ataaaatata tattctatat atatagaatg tatataaaat 180

atatattcta tatatataga atgtatataa aatatatatt ctatatatat agaatgtata 240

taaaatatat attctatata tatagaatgt atataaaata tatattctat atatatagaa 300

tatatataac atatatatga aatatatata aaatatatat aaatacatat ttctatatat 360

aaatatatat aaatacatat ttctatatat aaatatatat caatacatat ttctatatat 420

aaatatatat aaatatatat tcatatatat aaaaatatat aaatatatat tcatatatat 480

aaaatatata tgaatatata ttctctatat ataaaatata tataatatat attatatata 540

taaaatatat ataatatata ttatatatat aaaatatata taatatatat tcatatatat 600

aaattatata taaatatata ttcatatata taatatatat aaatatttat ttcatatata 660

aaatatattt aaatatatat ttctatatag aatatatatt ctatatataa aatatatata 720

taaatatatt ttctatatag aaatatatat gaaatatata gaatatatat aaatatatat 780

tatatatact atatatacaa tatatattat atataaaata tatatacaat atatattcta 840

tatattaata tatagaatat atattaacat atatttcaat atattaatat atgaaatata 900

tataaatatt tcat 914

<210> 104

<211> 370

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(370)

<223> MAR of chromosome 2 genomic contig; 5713613..5713982

<400> 104

tatttcatat ataatatata tataaaatat atatttcata tacataatat atataatata 60

aataaaatat atatttcata tatataatat atataatata tataaaacat atatttcata 120

tataatatat ataaactata tatttcatat ataatatata taaactatat atttcatata 180

cataatatat ataatatata tttcatttat attatatata taatatatat ttcatatata 240

taatatataa aatagatata aatatatata aatatatatt tcatatataa tatatataaa 300

atatatatta atatatattt tatatataat atatatattt catatataaa tataaaaaaa 360

tatatatttc 370

<210> 105

<211> 442

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(442)

<223> MAR of chromosome 2 genomic contig; 7481647..7482088

<400> 105
atataaatta tataatatgt tatataatat ataaatatat tatataacat gttatataat 60

atataacatg ttatataata tataacatgt tatataatat ataacatgtt atataatata 120

taacatgtta tataatatat tatgtaatat gttatataat atataatata ttatataaca 180

tgttatataa tatataacat gttatataat atgttatata atatataaat atattatatt 240

atatgttata taatatataa atatattata ttatatgtta tataatatat aaatatatta 300

tattatatgt tatataatat ataaatatat tatattgtat gttatataat atataaatat 360

attatattgt atgttatata atatataaat atattatatt gtatgttata taatatataa 420

atatattata ttatatatgt ta 442

<210> 106

<211> 338

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(338)

<223> MAR of chromosome 2 genomic contig; 9594557..9594894

<400> 106
tatataaata tataccatat atataaatat atatattcca tatataaata tatatattcc 60

atatatataa atatatatat tccatatata aatatatata ttccatatat ataaatatat 120

atataaatat atatattcca tatatataaa tatatatata aatatatata ttcatatata 180

aatatatata tattccatat ataaaaatat atatatattc catatataaa aatatatata 240

tattccatat atataaatat atatatattc catatatata aatatatata tattccatat 300

atataaatat atatatattc catatatata aatatata 338

<210> 107

<211> 364

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(364)

<223> MAR of chromosome 2 genomic contig; 10519720..10520083

<400> 107
ttatatatat ttataataat atatataagc tatatatatt tatatataat atattatata 60

tattagctat atatatttat ataataatat attatatatt agctatatat atttatatat 120

aataatatat ataagctata tatttatata tattatatat tagctatata tatttatata 180

taatatatta tatattagct atatatttat atataataaa taatatatat attagctata 240

tatatttata tataataata tatataagct atatatttat atataatata ttatatatta 300

gctatatata tttatatata ataatatatt atatattagc tatatatatt tatatataat 360

atat 364

<210> 108

<211> 342

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(342)

<223> MAR of chromosome 2 genomic contig; 11481943..11482284

<400> 108
tacatataat atataattat atataatata tattatatat tacatatata atatatatat 60

tacatatgta atatatatat tatatatgta atatatatta tatatgtaat atatatatta 120

tatatgtaat atatattata tatatgtaat atatatatta tatatgtaat atatatatta 180

tatgtaatat atatatgtaa tatatatata atatatatgt aatatatata taatatatat 240

gtaatatata tataatatat atgtaatata tatattatat atatgtaata tatatcatat 300

atatgtaata tatatcatat atatgtaata tatatcatat at 342

<210> 109

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(415)

<223> MAR of chromosome 2 genomic contig; 13499598..13500012

<400> 109
tatatatata tatatatata atataatata atatatatat aaatatatat aatataaatt 60

tatatatata tatttatata tacatatata aatatatatt tatatttata tataaatata 120

tataaatata tataaatata tatttatata tacatatata aatatatatg ttcatataaa 180

tatatatgta tatatacata tataaatata tattatatat gtatatatat aatataatat 240

ataataataa tataatatat attatataaa tataatatat tatatataat atatataata 300

tataatatat aatatataat atataatata tattatatat tatataatat ataaaatata 360

tattatataa tatatataca taatatatat aaataaatat atataaagat ataaa 415

<210> 110

<211> 330

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(330)

<223> MAR of chromosome 2 genomic contig; 16370976..16371305

<400> 110
catttacata tgtatgtata agtatgtata ttacatactt atacatacat acttataaat 60

atataagtat aatacataca tacttataaa tatataagta taatacatac atacttatac 120

atatataagt ataatacata catacttata catatataag tataatacat acatacttat 180

acatatataa gtataataca tacatactta tacatataag tataatacat acatacttat 240

acatatataa gtataataca tacatactta tacatatata agtataatac atacttatta 300

catatgtata taagtatatt acatacttat 330

<210> 111

<211> 702

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(702)

<223> MAR of chromosome 2 genomic contig; 626641..627342

<400> 111

tatatataca catatacata tataatatat atacatatac atatatatta tatatacata 60

tatattacat atatcatata tacatatata ttatatatac atatatatta tatatatcat 120

atatacatat atatattata tattatatat atcatatata catatatatt atatatatta 180

tatatatcat atatacatat atattatata tattatatat acatatatat tatatatatc 240

atataaacat atatattata tatatcatat atacatatat attatatata ttatatatat 300

catatataca tatatattat atatatcata tataatatat attatatata ttatatataa 360

tatatattat atatacatat atattatata tacatatata ttatatatac atatatatta 420

tatatacata tatattatat atacatatat attatatata tacatatata ttatatatac 480

atatatatta tatatacata tattatatat acatatatat tatatataca tatattatat 540

atatacatat atattatata tacatatatt atatatatac atatatatta tatatacata 600

tattatatat atacatatat attatatata catatattat atatacatat atattatata 660

tacatatata ttttatatat atataatata tattttatat at 702

<210> 112

<211> 679

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(679)

<223> MAR of chromosome 2 genomic contig; 3196047..3196725

<400> 112
atatattata tattcatata tcataaatat atatattata tattcatata ttatatatct 60

atatatttat atattcatat attatatatc tatatattta tatattcata tattatatat 120

ctatttatat attcatatat tatatatcta tatattttat atattcgtat attatatatc 180

tatatattat atattcgtat attatatatc tatatattat gtattcatat atatctatat 240

attatatata ttcatatata ttataaatta tattcatata gtatatatct attataaatg 300

tatattcata tagtatatat ctatatatta taaatataca tatattatat atttatatat 360

tatatattca tatagatcta tatattatat atattcatat atgaatatat atattatatg 420

tatatatatt ataaatatat ttatatagta tagatattat atagtatatg catatttata 480

ttataaataa tttacatagt atatgtatat ttataaatta tatatattta catattacat 540

gtatatttat atattataaa tacatattta catattataa atatatttat atattatgaa 600

tataatttat atattattac atatttacat atatgcatag ttatatatta taaatatgca 660

tttatgtaaa tatatattt 679

<210> 113

<211> 728

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(728)

<223> MAR of chromosome 2 genomic contig; 3196778..3197505

<400> 113
tacataaata tatatttaca atatgtaaat atctgatatg taaatatgta tttataatat 60

ataaatatac atataatatg taaatatata aatatacata tactatgtaa atatatgtta 120

tatatacata tactatataa atatagaata tataaatata catatactat ataaatatgt 180

aatatataaa tatatactat ataaatatac atatactata taaatgtatt tataatatat 240

aaatatacat atactatata aattcatata tgaatatata atatataaat atatataata 300

tatgaatata tactcatata taaatatata tgaatatata tttataatat atagatataa 360

tatgaatata tatttataat atatagatat atattatatg aatatatatt tataatatat 420

agatatatac catatgaata tatattatac actatatgaa tatatattta taatatataa 480

atagatatat actatatgaa tatataatat atatactcta tgaatatata atatatatac 540

tatatgaata tattatatac tgtatgaata tataatatat agatgtatac tatatgaata 600

tataatatat agatatatat actatatgaa tatatataat atatagatat atactatatg 660

aatatatatg atatatagat atatactata tgaatatata atatatagat atatatttat 720

gatatatg 728

<210> 114

<211> 413

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(413)

<223> MAR of chromosome 2 genomic contig; 2560638..2561050

<400> 114
atataaatat atatttatat attttatata aatatatata tttatatatt tttatataaa 60

tatatatatt tatatatatt tatataaata tatatattta tatatattta tataaatata 120

taaatatata tatttatata aatatataaa atatataaat atatttatat aaatatataa 180

aatatataaa tatatttata taaatatata aaatatataa atatatttat atataaatat 240

ataaaatata taaatatctt tatatataaa tatataaaat atataaatat ctttatatat 300

aaatatataa aatatataaa tatatttata tataaatata taaaatatat aaatatattt 360

atatacaaat atataaaata tataaatata tttatatata aatatataaa ata 413

<210> 115

<211> 361

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(361)

<223> MAR of chromosome 2 genomic contig; 4965309..4965669

<400> 115
tatacgtata tatacatata tatacgtata tatatacata tatatacgta tatatacata 60

tgtatatatg tgtgtacatg tatatatata catatgtaca tatatatgta cacatatata 120

tatacatata tatgtacaca tatacatata tatgtacaca tatacatata catatatatg 180

tacacatata tatacatata tatgtacaca catatatata catatatatg tacacacata 240

tatacgtata tatgtacaca catatatacg tatatatatg tacacacata tatacgtata 300

tatatgtaca cacatatata tacgtatata tatgtacaca tatatatata cgtatatata 360

t 361

<210> 116

<211> 325

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(325)

<223> MAR of chromosome 2 genomic contig; 5258150..5258474

<400> 116
tacacacaca tatacatata tacatatata cgtgtatacg tatacgtata tacgtatata 60

tacatatatg tatacgtata cgtatatacg tatatataca tatatgtata cgtatacgta 120

tatacgtata tatacatata tgtatacgta tacgtatata cgtatatata catatatgta 180

tacgtatacg tatatacgta tatatacata catatgtata cgtatacgta tatatgtata 240

tatacgtata tgtatacgta tacatatata cgtatatata cgtatatgta tatgtatata 300

cgtatatgta tatatgtaca tatac 325

<210> 117

<211> 1508

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1508)

<223> MAR of chromosome 2 genomic contig; 6057499..6059006

<400> 117
atataatata tataaattat ataatatata aaaattaata tataatatat ataaattata 60

taatatataa attaattata taatatatat aaattatata atatataaat taattatata 120

atatatataa attatataat acatataaat taattatata atatataaat tatataatat 180

atacaaatta tatactatat taattatata ttatataatt aattatataa tatatataaa 240

ttatatatta ttaaattaat tatataatat ataaattata taatatataa attaattata 300

taatatataa attatataat atataaatta attatataat atataaatta tataatatat 360

aaattaattg tataatatat aaattaatta tataatatat aatatataat taataaataa 420

ttatatatta attatataat taataaataa ataataaata tatataatta atatataata 480

tacatcatat atatcacata tagattatat aatagttata tattatataa taaattatat 540

ataatatata ataaacatat ataacatatg ttatatatta cataatatag tataatatat 600

aacatatgtt atatattaca taatatagta taatatataa catgttatat attacataat 660

atagtataat atataacata tgttatatat tacataatat agtataatat ataacatatg 720

ttatatatta cataatatag tataatatat aacatatgtt atatattaca taatatagta 780

taatatataa catatgttat atattacata atatagtata atatataaca tatgttatat 840

attacataat atagtataat atataacata tgttatatat tacataatat agtataatat 900

ataacatatg ttatatatta cataatatag tataatatat aacatatgtt atatattaca 960

taatatagta taatatataa catatgttat atattacata atatagtata atatataaca 1020

tatgttatat attacataat atagtataat atataacata tgttatatat tacataatat 1080

agtataatat ataacatatg ttatatatta cataatatag tataatatat aacatatgtt 1140

atatattaca taatatagta taatatataa catgttatat attacataat atagtataat 1200

atataacata tgctatatat tacataatat agtataatat atatgttata tattacataa 1260

tatagtataa tatataacat atgttatata ttacatatta tagtataata tatatgttat 1320

atattatata atatagtata atatataatg tatgttatat attatataat atagtataat 1380

atataacatg ttatatatta tataatatag tataatatat atgttatata ttatataata 1440

tagtataata tataatatat gttatatatt atataatata gtataatata tatgttatat 1500

attatata 1508

<210> 118

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(415)

<223> MAR of chromosome 2 genomic contig; 7996866..7997280

<400> 118

caattatata atatacatat tatataattg tataaattat acaatcatat aattatatta 60

tatataatat acatataata taattatata taattatata attttataat ataattatat 120

ataattatat aattatatat aatatatatt ataattatat atataatata tatattatat 180

atattatata taatatataa ataatatata taatatatat ataattatat ataataatat 240

atgtaatata tataatatat atataatata ttatttataa ttatatatta tatatatatt 300

ataatatata taattataaa taatatatat tataatatat ataataatat atatataatt 360

atatataata atatatatta taattatata taataatata tataatttat ataat 415

<210> 119

<211> 526

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(526)

<223> MAR of chromosome 2 genomic contig; 8300930..8301455

<400> 119

tatatcatat gatatattat acaatatatc atataatatg atatattata tgatatattg 60

tacaatatat catatgatat atgatatatt atacaatata tcatataagg tatatattat 120

atcatatata atatataata taatatatga tataatatat gatatatgat atataatata 180

tgatatatga tatatgatat ataatatatg atatatgata tatgatatat aatatatgat 240

atatgatata tgatatataa tatatgatat atgatatatg atatgatata tgatatatga 300

tataatatat gatataatat atgatatata ttatatgata tataatatat gatataattt 360

atatgatata taatatatga tatataatat ataatatatg atatgatata tattatatca 420

tatataatat ataatataat atatgatata tattatatat ttttatacat tatatatata 480

aactatataa caatataaca tattatgtgt ataatatata ttacat 526

<210> 120

<211> 402

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(402)

<223> MAR of chromosome 2 genomic contig; 8576553..8576954

<400> 120
atgtatatta tatacaatat agtatatcat atatagtata tattatatag taatgtatta 60

tatataatgt ataatgtata aatatataat atatactaca tactatacta ttatatatac 120

tatatattat atatgataca tatactatat aatatgctat atattatact atataatatg 180

ctatatatta tactatataa tatgctatat attatactat ataatatgct atatattata 240

ctatataata tgctatatat tatactatat aatatactat ataatatgct atatattata 300

ctatataata tactatatat tatactatat aatatactat ataacatact atatattata 360

tatgatacat atactatatt acatatataa tatatatata ta 402

<210> 121

<211> 477

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(477)

<223> MAR of chromosome 2 genomic contig; 8785649..8786125

<400> 121
tatttatata tatatttata tatatattta tatatattta tatatatatt tatatatata 60

tttatatata tatttatata tttatatata tatattttta tatattata tatatattta 120

tatatttata tatatttata tttatatata tatttatata tatttatata tatttatata 180

tatatattta tatatattta tatatatata tttatatata tttatatata tttatatata 240

tatttatata tatatttata tatatattca tatatattta tatatatatt catatatatt 300

tatatatata ttcatatata tttatatata tatttatata tatatttata tatatttata 360

tatatttata tatatattta tatatatatt tatatatata tatttatata tatatttata 420

tatatatatt tatatatata tttatatata tatatttata tatatattta tatatat 477

<210> 122

<211> 773

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(773)

<223> MAR of chromosome 2 genomic contig; 10064737..10065509

<400> 122
atattatata tattacatat atattatatt gtatataata tatatattat attgtatata 60

atatatatat tatattgtat ataatatata tattatattg tatataatat atatattata 120

ttgtatataa tatattatat tgtatatatt atattgtata tattatattg tatacaatat 180

atattatatt gtatacaata tatattatat tgtatataat atattatatt gtatataata 240

tattatattg tatatattat attgtatata atatattata ttgtatataa tatattatat 300

tgtatatatt atattgtata taatatatta tatgtatata atatagtgta tactatatta 360

tataatatat attatataca atatataata tattgtatat catatatgat atattgtata 420

taatatataa tatatgatat attgtatata atatattata tatgatatat tgtatattat 480

atattatata tgatatattg tatattatat attatatatt gtatattgta tattatatat 540

tatatattgt atataatatg ttatatattg tatataatat gttatatatt atatattgta 600

tatatgttat atattatgta ttgtatataa tatgttatat attatatatt gtatataatg 660

tattatatat tatatatatt atatattgta tataatgtat tatatattgt atattatata 720

ttatatattg tatataatat attatataca ttatattata tattatatat tgt 773

<210> 123

<211> 1554

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1554)

<223> MAR of chromosome 2 genomic contig; 1039775..1041328

<400> 123

ataatatatt aaatgtatat ataatatatt aaatataaat atatttataa tatataaata 60

tttatataaa tataaaatat atattaaata taaatatata taaaatatat attaaatata 120

taaaatataa atatatatta aatatatatt aaatatataa aatataaata tatattaaat 180

atattttaaa tatataaaat ataaatatat attaaatata ttttaaatat attaaatata 240

aatatatatt aaatatattt taaatatatt aaatataaat acatatatta aatatatatt 300

atatatataa aatatataaa atataaatat atattaaata tatataaaat atatatgtta 360

aatatataaa agatatataa aatataaata tatattaaat atatataaaa tatatatata 420

ttaaatatat atattaaata taaatatata taaaatataa atatatgtat taaatatata 480

tattaaatat aaatatatgt attaaatata tattaaatat gaatatatgt attaaatata 540

tattaaatat aaatatatgt attatatata tagaatataa atatatgtat taaatatagt 600

atattaaata taaatatata taaaatatat attaaatatg aatatatata aaatatatat 660

attaaaaata tatataatat aaatatatat aaaatatata tattaaaaat atatataata 720

taaatatata taaaatatat atattaaaaa tatatataaa atatatatat taaaaatata 780

tataaaatat atatattaaa aatatatata aaatatatat attaaaaata tatattaaat 840

ataaatatat atattaaaaa tatatattaa atataactat atattaaata tatattaaat 900

ataactatat attaaatata tattaaatat aactatatat taaatatata ttaaatataa 960

ctatatatta aatatatatt aaatataact atatattaaa tatatattaa atataactat 1020

atattaaata tatattaaat ataactatat attaaatata tattaaatat aactatatat 1080

taaatatata tgaaatataa ctatatatta aatatatatt aaatataact atatgtatta 1140

aatataaata tatgtcttaa atatatatta aatataaata tatgtattaa atatatatta 1200

aatataaata tgtgtattaa atatatatta aatataaata tgtgtattaa atatatatta 1260

aatataaata tgtgtattaa atatatatta aatataaata tgtgtattaa atatctatat 1320

taaatataaa tatatgtatt aaatatatat taaatataaa tatatattaa atatatatat 1380

taaatataaa tatatattaa atataaatat atatattaaa tatatatatt aaatataaat 1440

atatataaaa tatatatatt aaatataaat ataaatataa aatatatatt aaatataaat 1500

acatatatta aatatatgta ttaaatatat atataaaata tatgtattaa atat 1554

<210> 124

<211> 650

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(650)

<223> MAR of chromosome 2 genomic contig; 3944813..3945462

<400> 124
catgatatat tatgtataat atatattata gattacatat aaattatata tataatatat 60

aattatataa tatataatat tatataatat attatatata ttatacaatt atataatata 120

tataatatac aattatataa tatataatat acaattatat aatatataat acaatataat 180

atatatttaa tatattatat aatacatatt taatatatta tatattatat gttatatact 240

aaatatataa tatgtattta atatatacta ttatatatgt aatatattat ataatttatg 300

taacatatta tatattatat atgcaatata ttacatgtta catatatatt acatataata 360

tatgtaatat ataatataca ctatattatt atagtatata atatactata ttatgtaatt 420

atataatata gtatattata cactatatta tattatcata taattatata ttatatacta 480

tattacatat atattatgta atataatatg caatatgtta catatataat atatatgtat 540

tatatagtat atatactata gtatatataa aatatatgct ataatatata ttttatatat 600

tatataatac atataatgta tcatatatta tatataatat attttataat 650

<210> 125

<211> 441

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(441)

<223> MAR of chromosome 2 genomic contig; 5314265..5314705

<400> 125
tataaatata tatgaaatat atataaatta tatataattt atatatacat atataaatta 60

tatataaatt atatataaat tatatataca tatataaatt atatattata tataaaattg 120

tatatattta tatataaatt gtatatataa tttatatata aattgtatat ataatttata 180

tatacaatgt atatattaat ttatatatac attgtatata taatttatat atacattgta 240

tatacaattt atatatacat tgtatataca atttatatat acattgtata tacaatttat 300

atataaatta tattatttat atatagtata tataaatata tatactatat ataaattata 360

tatttattta tatattatat tatttatata taaattatat attatttata tatacattat 420

atataaatta tatattattt a 441

<210> 126

<211> 1169

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1169)

<223> MAR of chromosome 2 genomic contig; 5953971..5955139

<400> 126

atgtattcat attatatatt tatatataaa taatatacat tcatattata tatttatata 60

taaataatat atattcatat tatatattta tatataaata tataatatat ttatgtataa 120

ataatatata tattcatatt atatatttct atataaataa tatatatatt catattatat 180

atttatatat aaatatataa tatatttata tataaatata taatatattt atatataata 240

tatatattca tattatatat ttatatataa atatataata tatttatata taaataatat 300

atatattcat attatatatt tatatataaa taatatatat tcatattata tatttatata 360

taaataatat atattcatat tatatactta tatataaata atatatattc atattatata 420

cttatatata aataatatat attcatatta tatatttata taaaaataat atatattcat 480

attatatatt tatatataat atatatattc atattatata tttatatatt ctatatattc 540

atattatata tttatatata aataatgtat attcatatta tatatttata tataaataat 600

gtatattcat attatatatt tatatataaa tatatattca tattatatat ttatatataa 660

atatatattc atattatata tttatatata aatatatatt catattatat atttatataa 720

aatatatata ttcatattat atttatatat aaatatatat attcatatat atatttatat 780

ataatatata tattcatatt atatatttat atataatata tatattcata ttatatattt 840

atatataaat aatatatata ttcatattat atatttatat ataaataatg tatattcata 900

ttatatattt atatataaat aatgtatatt catattatat atttatatat aaatatatat 960

attcatatta tatatttgta tataaatata tattcatatt atatatttgt atatatattc 1020

atatatattt atatataaat atataatatt catattatat ataaatatat atattcatat 1080

tatatattta tatatataaa taatatatat tcatattatt tatatatata aataatatat 1140

attcatatta tttatatata taaataata 1169

<210> 127

<211> 653

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(653)

<223> MAR of chromosome 2 genomic contig; 6427669..6428321

<400> 127
tatatatgta tacatatatg tatatatgtg tatatatgta tacatatatg tatatatgtg 60

tatatatgta tacatatatg tatatatgtg tatatatgta tacatatatg tatatatgtg 120

tatatatgta tacatatatg tatatatgtg tatatatgta tacatatatg tatatatgtg 180

tatatatgta tacatatatg tatatatgtg tatatatgta tacatatatg tatacatgtg 240

tacatgtgta tacatatatg tatacatgtg tacatgtgta tacatatatg tatacatgtg 300

tacatgtgta tacatatatg tatatatgtg tatacatata tgtatatatg tgtatatatg 360

tatacatata tgtatataag tgtatatatg tgtatatgta tataagtgta tatatgtgta 420

tatgtatata agtgtatata tgtgtatatg tatataagtg tatatatgtg tatatatgta 480

tacatatatg tatatatgtg tatatatgtg tatatgtata taagtgtata tatgtgtata 540

tatgtataca tatatatgtg tatatatgta tacatatatg tatatatgtg tatatatgta 600

tacatatatg taaatatgtg tatatatgtg tatatgtata taagtgtata tat 653

<210> 128

<211> 414

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(414)

<223> MAR of chromosome 2 genomic contig; 10890453..10890866

<400> 128
tatattttgt aaatatatat atagtaaata tatgtaaata tatatatttt gtaaatatat 60

atatattttg taaatatatg taaatatata tattttgtaa atatatgtaa atatatatat 120

tttgtaaata tatgtaaata tatatatttt gtaaatatat gtaaatatat atattttgta 180

aatatatgta aatatatata ttttgtaaat ttatgtaaat atatatattt tgtaaatata 240

tgtaaatata tatatatttt gtaaatatat atacatatat attttgtaaa tatataaaca 300

tatatatttt ataaatatat ttataaatat atatattgta aatatattta taaatatatt 360

tataatatat atattgtaaa tatgtttata aatatatata ttgtatatat aaat 414

<210> 129

<211> 496

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(496)

<223> MAR of chromosome 2 genomic contig; 13952568..13953063

<400> 129
taatatacat attatatatt atatattgta tatataatat acatattata tattatatat 60

tgtatatata atatacatat tatatattat atattgtata tataatatac atattatata 120

ttatatattg tatatataat atacatatta tatattatat attgtatata taatatacat 180

attatatatt atatattgta tatataatat acatattata tattatatat tgtatatata 240

atatacatat tatatattat atattgtata tataatatac atattatata ttatatattg 300

tatatataat atacatatta tatattatat attgtatata taatatacat attatatatt 360

atatattgta tatataatat acatattata tattatatat tgtatatata atatacatat 420

tatatattat atattgtata tataatatac atattatata ttatatattg tatatataat 480

atacatatta tatatt 496

<210> 130

<211> 317

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(317)

<223> MAR of chromosome 2 genomic contig; 16942865..16943181

<400> 130

tctcctagta gttatatata tatatatgtg tatatatata tatcctagta gatatatata 60

tatatatatc ctagtagata tatatatata tatatcctag tagatatata tatatatata 120

tcctagtagt tatatatata tatatatcct aacagttata tatatatata tcctagtagt 180

tatatatata tatatcctag tagttatata tatatatata tcctagtagt tatatatata 240

tatatcctag tagttatata tatatatatc ctagtagtta tatatatata ttatatatta 300

tataatatat atataat 317

<210> 131

<211> 464

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(464)

<223> MAR of chromosome 2 genomic contig; 17217049..17217512

<400> 131
acatactata tatatacaca tactatatat actatataca gtatatagta tacatatact 60

atacatatac atatactata catatacata tacatatact aagtatacgt atatacagta 120

catagtatat gtatactata tagtatgtat atatagcata tagtatgcgt atactctata 180

tagcatatag tatgcatata cgctatatag catatagtat gcatatacta tatatagtat 240

agagtatgcg tatactatat atatagtata gagtatgcgt atactatata tatagtatag 300

agtatgcgta tactatatat atagtataga gtatgcgtat actatatata tagtatagag 360

tatgcgtata ctatatatat agtatagagt atgcgtatac tatatatata gtatagagta 420

tgcgtatact atatatatag tatagagtat gtatatatat agta 464

<210> 132

<211> 430

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(430)

<223> MAR of chromosome 2 genomic contig; 19647266..19647695

<400> 132
tgtaaatata tgtaaatata tatttatatt atatattata taaaaatata atatataata 60

tataatatat aaactatata ttaatataat atatataaac tattatataa atacatatta 120

aatatattat atttttaata tttatatatt aaatataata tatatttaat atttatatat 180

taaatatata atatatttaa tatttatata atatatagca tattttatat ttatattata 240

tataacattt tatatttata tttatattta tatatattta atttatattt atattatatt 300

tatatttata ttatatataa cataattata tatattttca tattgtatat aataaagaaa 360

tgtatatttg ttatatataa tatatattat ataatttatt atatattata taatatatat 420

tatataatat 430

<210> 133

<211> 2131

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(2131)

<223> MAR of chromosome 2 genomic contig; 20481223..20483353

<400> 133
tatatataaa tatatttata tttaatatat atttatataa atatattttt atataaatat 60

atatttaata taaatatctt tatatttaat atatatttaa tataaatatc tttatattta 120

atatatattt atatataaat atatatttat atttaatata tattaatatt taatatacgt 180

ttatatttaa tatatatttc tatataaata tatttatatt aacatatatt tatatataaa 240

tatatttata tttaatatat ttacatataa atatatttat atgtaatata tttacatata 300

aatatattta tatttaatat atatgcatat gtaaatatat ttatatttaa taatatttat 360

atataaatat atttatattt aataatattt atatataaat atatttatat ttaatatata 420

ttaaatatat atttatattt aatatatatt aatatttaat atatatttat atttaatata 480

tattatatat aaacatatat ttatattaa tatatattat atataaacat atatttatat 540

ttaatatata ttatatataa acatatattt atatttaata tatatttata tttaatatat 600

tatatataaa catatattta tatttaatat atatttatat taaatatata ttatatataa 660

acatatattt atatttaata tatatttata ttaaatatat atttatattt aatatatata 720

tattaaatat atatttatat ttaatatata tttatattaa atatatattt atattaaata 780

tatttatatt taatatatat ttatattaaa tatatattaa atatttaata tatatttata 840

tttaatatat acatatatat ttatatttaa tatatacata tatatttata tttaatatat 900

acatatatat ttatatttaa tatatacata tatatttata tttaatatat aaatttatat 960

tttatatata taaaaatata tatttatatt taatatatat aaatatatat ttatatttaa 1020

tatatatatt tatattgaat atatacataa atatatattt atatttaata tataaacata 1080

tatttatatt tatatattaa atatatattt atatttaata tataaatata tatttatatt 1140

taatatattt atatatacta atatatttat atttaatata tttatatata gatatattta 1200

tatttaatat atttatgtgt attaatatat ttatatttaa tatatttata tattaatata 1260

tttatatttt atatttatat attaatatat ttatatttta tatttatatt ttatatattt 1320

atatattaat atatttatat ttatatatat ttttatatat taataaattt atattttata 1380

tatttatata ttaataaatt tatattttat acagttatat aaatatattt atattttata 1440

cagttatata aatatattta tattttatag ttatataaat atatttatat tttatacagt 1500

tatataaata tatttatatt ttatacagtt atataaatat atttatattt tatacagtta 1560

tataaatata tttatatttt atacagttat ataaatatat ttatatttta tacagttata 1620

taaatatatt tatattttat acagttatat aaatatattt atattttata cagttatata 1680

aatatattta tattttatac agttatataa atatatttat attttataca gttatataaa 1740

tatatttatg ttttatacat ttatataaat atatttatat tttatacatt tgtatttaat 1800

atatatttat atataaatat attttatatt taatatattt atatataaat atatattgat 1860

atttaatata tatttatata taaatatata ttgatattta atatgtttat atataaatat 1920

atatttatat ttaatatata tgtttatata tcaatatata tttatattta atatatattt 1980

acatataaat atatatttat atttgatata tatttatatt tgatatatat tttatatata 2040

ttaatatatt tacatttgat atatatttta tatatattaa tatatttaca tttgatatat 2100

attttatata tattaatata tttacatttg a 2131

<210> 134

<211> 842

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(842)

<223> MAR of chromosome 2 genomic contig; 20483478..20484319

<400> 134

tatatattta tgtttaatat atatttatag ataaatatat atttacgttt aatatatatt 60

tatagataaa tatatattta cgtttaatat atatttatct ataaatatat ttacgtttaa 120

tatatattta tatattaata tatttatgtt taatatatat ttatatatat taatatattt 180

atgtttaata tatatttata tattaatata tttatgttta atatatttat atatattaat 240

atatttatgt ttaatatata tttatatgtt aatatattta ggtatatata tatttatatg 300

ttaatatata tttatattaa tatattatat ttatatataa aagtatatat aatatataaa 360

tattatataa attattatat agtatttta tatatattta tatataaatt ttatatattt 420

tatatatata aatatatatt tatatataca ttttatatat aaatatatat ttatatatac 480

attatatata taaatatata tatttatatt ttatatataa atatatatat ttatatatac 540

attttatata ttttatatat gtaaatatat atataaattt tatatattgt atatatattt 600

ataaatttta tatatatatt tatatatata atatatataa tatatataaa ttttatatat 660

attatatata tttatatttt atatattata tatttattta tatatattta tatgttatat 720

atatttatat ttatatttat tttttattta tatattttat atatatattt atatatgtat 780

attatatata ttatatatta tataatatat tatatatatt atattatata tttatattat 840

at 842

<210> 135

<211> 645

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(645)

<223> MAR of chromosome 2 genomic contig; 20897566..20898210

<400> 135

gtatatttat attatatatt atataatata tattatatat taataaatta tatataatat 60

aatatatatg tatatttata tttatgttat aatatacata taattatata tgtatgtata 120

catgtataca tatacgtata tgtgtatatg tatacatata ggtatatgtg tacatgtata 180

catataggta tatgtatatg tatacatgta tacatataat ataattacat atgtatgtat 240

acatacatat gtaattatat tatatatgta tatgtatatt tatataatat ataatatgta 300

ttatatatta tacatgcata tttatatgta tattatatat acacatataa tataattata 360

tatgtatgta tatatacaca tatatattta tattatatat gtatattata tacatatatt 420

tatattatat atgtatatat atttatcata tttatatgta atatgcatgt gtaataaata 480

atatacacat ttatatatgt atattatata catatattta tattgtatat gtatatatat 540

ttatatatat ttgtatatca tatatttata tattgtatat ttatgtatat tatatattta 600

tatattatat atgtattata taatatatat gtaaatatat attat 645

<210> 136

<211> 722

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(722)

<223> MAR of chromosome 2 genomic contig; 21664541..21665262

<400> 136

tataatatat attatattct atataatatg taaaatatat attatattct atataatgta 60

ttatatatag aatataatat attctatgta ttctataatc tatataatac atattatata 120

ttatatagaa tattataaat aatatattct atattatata tagaatatat tctatatgtt 180

tatattctat atattatata tgaaatagta tataaaatat atataatata tataaaatat 240

gatatataat atatataaaa taatatataa tgtataatat ataaaataat atataatgta 300

taatatataa aataatatat aatgtataat atataaaata atatataatg tatattatat 360

aaaataatat ataatgtata ttatatataa aataatatat aatgtatatt atatataaaa 420

taatatataa tgtatataaa ataatatata atatattata tataaaataa tatataatat 480

attatatata aaataatata tattatatat aaaataatat ataatatatt atatataaaa 540

taatatatat tatatataaa ataatatata atatattata tataaaataa tatatattat 600

atataaaata atatatatta tatataaaat aatataatat atattatata taaaataata 660

tataatatat tatataaaaa tataaatata ttatataaaa atataaaata taaaatatta 720

ca 722

<210> 137

<211> 305

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(305)

<223> MAR of chromosome 2 genomic contig; 22834991..22835295

<400> 137

aatataaaat atatgatata taatacgtat tatatatgta taatacgtat tatatattaa 60

tatataatat ataatacata ttatatatgt atataatata tactaatata tataatgtat 120

acattatata tttacataat atataataca taatatagaa ttataattat atataataca 180

taatatataa ttatatatat tattatatat gtatttatat tatatataat atattatata 240

taatatatat tatataatta tataagtata taattatgtt atatacataa taatatataa 300

tatat 305

<210> 138

<211> 352

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(352)

<223> MAR of chromosome 2 genomic contig; 25277762..25278113

<400> 138
taatatatat aatatattat atattatata taatatattt tataatatat aaaatatatt 60

atatataata tataatatat tttataatat atataatata ttatatataa tatataatat 120

attttataat atatataata tattatatat attatatatt tatatttatt tatatattca 180

taaatatata tttatatata atatatttta taatatatta tatataatat ataatatatt 240

ttataatata ttataatata taatatataa tatattttat aatatatata atatataata 300

tattatatat ttatatttat ttatatattc ataaatatat atatttatat ta 352

<210> 139

<211> 342

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(342)

<223> MAR of chromosome 2 genomic contig; 25378452..25378793

<400> 139
tatgtacata tatattttat atattatata taatatatat tatatgatat atataatata 60

ttatataata taatatataa aatatatata atatatatta tattatataa attatattat 120

atatatcata taatatattt tatatattat ataatatata ttatattata tatattttat 180

atattatatt atatattata tatatcatat aatatatatt atattatata ttttatatat 240

tatataatat atattatata tttttatata ttatataata tatattatat attttatata 300

ttatataata catatattat atataatata atatatatta ta 342

<210> 140

<211> 663

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(663)

<223> MAR of chromosome 2 genomic contig; 30209437..30210099

<400> 140
aatatatatt acatattgta tatatagtat atgtaatgta tataatatag tatattctat 60

attgtataat agtaatatat agtatatgat atactatata ttacttatca tatatacaat 120

atatattata tcgtatattg tatattatat attgtatata tgtaatatat gatatgtaca 180

tatgttatat atgtatataa tatactatat tatatattgt atattatata catatataac 240

actattatac aatatataat atagcatatt atatacaata tagcatatac aatatataat 300

atagcatatt atatataata tagtatatta tatacaatat ataatatagc atattatata 360

taatataata tagtatatta tatacaatat ataatatagc atatacaata tagtatacaa 420

tatataatat agcatataca atatagtata ttatatataa tatataatat agcatgtaca 480

atatagtatg ttatatacaa tatataatat agcatataca atatagtata ttatatacaa 540

tatataatat agcatataca atatattata ttatatacaa tatataatat agcatataca 600

atatagtata ttatatacaa tatataatac agcatataca atatagtata ttacatacag 660

tat 663

<210> 141

<211> 1200

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1200)

<223> MAR of chromosome 2 genomic contig; 31725089..31726288

<400> 141

tgtacttata tattataatg tatatataaa gtatatactt tatatatact tatatattat 60

aatgtatatt attgtatata agtatatatc ataatatata cttacatatg ctcacatata 120

ttataatgta tattgtatat attatataca tattatatat gtataatgta tatatacatt 180

atatatgtat aatgtatata tacattatat atgtataatg tatatataca ttatatatgt 240

ataatgtata taatatatac aatatatgta taatatataa tatatacaat atatgtataa 300

tatacaatat atgtataata tacaatatat gtatagtata taatatatat tatatatgta 360

tagtatatta tatattatat atgtatagta tataatatgt ataatgtata tattataata 420

tattatatat aatatctata acaatataat atattgtata tattatatat aatatatatt 480

tatataatat atattatata taatatatta tgtatttatt tatattatat ataatataaa 540

tatatataat ataaataata tttattatat attaatataa atatttatat taatatatat 600

ttattatata taaataatat ctatgatata aataatatat aatatacatg tatatgttat 660

aatatataca tataatatac atgtgtatat atactataca tgtatatata acatgtatat 720

atatacatgt atatatatta tgtatacatg tatagtatat atacatgtat atatatacat 780

atatactata catgtatata tacatgtata tatatacata tatactatac atgtatatat 840

acatgtatat atacacatat atactataca tgtatatata catgtatata tatacatgta 900

tgttatatac attattataa tatacatata tagtatacat tatatacatt atataatatg 960

cattattata atataatata cattattata atatacatta ttataatata atatacatta 1020

ttataatata cattattata atatacatta taataatata cattattata atatacatta 1080

taatattgaa gtatatatac tataatatat gtatatatta taatgtatat aatatacatt 1140

attatatata agtatgtatt atatataagt atatattata atatatgtat atacatatat 1200

<210> 142

<211> 325

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(325)

<223> MAR of chromosome 2 genomic contig; 32147252..32147576

<400> 142
aaatacaaat atttatttat atataatata taatataata tatttattta tatataatat 60

ataatttata attatataaa tatataatat atttatatat aatatataat tttattatat 120

attaattata tatataataa atatatataa tatataattt tattatatat taattatata 180

tataataaat atatataata tataataata ttatatacat tatatataaa tataaatatt 240

tatataatat ataatataat atatttattt atatataaat atataatata taattatata 300

aatatataat atatttatat ataac 325

<210> 143

<211> 507

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(507)

<223> MAR of chromosome 2 genomic contig; 32312662..32313168

<400> 143
attatttata taaatattat atttatatta tttatataaa tattatattt atattattta 60

tataaatatt atatttatat tatttatata aatattatat ttatattatt tatataaata 120

ttatatttat attatttata taaatattat atttatatta tttatataaa tattatattt 180

atattattta tataaatatt atatttatat tatttatata aatattatat ttatattatt 240

tatataaata ttatatttat attatttata taaatattta tttatattat ttatataaat 300

attatattta tattatttat ataaatattt atttatatta tttatataaa tatttattta 360

tatttatata aataatatat aaataaatat tttatatgta tataaatatt atttatatta 420

tttatttaaa taaataatat aaattaatat aaatattaat attatttatt ttattataaa 480

taatataaat attatattta tatttat 507

<210> 144

<211> 339

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(339)

<223> MAR of chromosome 2 genomic contig; 33651118..33651456

<400> 144
aaatataata tattatttat atataatata aatgatatat tatgtatata taaaatataa 60

ataatatatt atgtatatat aaaatataaa tattatttat atataaaata taaataatat 120

ttatatataa aatataaata ttatattatt tatatataaa atataaataa tatattattt 180

atatataaaa tataaataat atattattta tatataaata atatataaaa tataaatata 240

tattatatat aaataaaata tatatattat atatataaat ttatatataa tatataaaat 300

ataatatata tatttaatat ttattatata atatataat 339

<210> 145

<211> 461

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(461)

<223> MAR of chromosome 2 genomic contig; 45073053..45073513

<400> 145
tgtgtataca tatatacgtg tacatataca tatatacatg tgtatatata tacgtgtaca 60

tatacatata tacatgtgta tatatatgta catatacata tatacatgtg tatacataca 120

tatatacatg tacatataca tatatacatg tgtatacata catatataca tgtacatata 180

catatataca tgtgtatact tacatatata catgtacata tacatatata catgtgtata 240

tatacatata tacacgtaca tatacatata tacatgtaca tatatacatg tatacatata 300

tacatgtaca tatgtacata tatacatgta tacatatata catgtacata tgtacatata 360

tacatgtata catatataca tgtacatatg tacatatata catgtataca tatatacata 420

tgtacatacg cacagataga catatataca tatgtacata c 461

<210> 146

<211> 1162

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1162)

<223> MAR of chromosome 2 genomic contig; 45487691..45488852

<400> 146

attatattat ctatataaat ctattatatc tattatatta tctatataat atctattata 60

tatattatat tatctatata aatctattat atatattata ttatctatat aaatctatta 120

tatatattat attatctata tatctattat atattatatt atattatatt atatataata 180

tctattatat atattatatt atattatatt atatataata tctattatat atattatatt 240

atctatataa tatctattat atattatata ttatattata tataatatct attatatata 300

ttatattata ttatatataa tatctattat atctattata tatattatat atatctatta 360

tatctattat atatattata tataatatct attatatcta ttatatatat tatatataat 420

atctattata tctattatat tatattatat ataatatcta ttatatctat tatatatatt 480

atatatatct attatatcta ttatatatat tatatataat atctattata tctattatat 540

atattatata taatatctat tatatctatt atatattata tatataatat ctattatatc 600

tattatatat tatatatata atatctatta tatctattat atctattata tatatatcta 660

ttatatctat tatatatatt atatacataa tatctattat atctattata tatattatat 720

atataatatc tattatatct attatatata tactatctat tatatctatt atatatatta 780

tatatgtact atctattata tctattatat ctattatata tatactatct attatatcta 840

ttatatatat tatatatata ctatctatta tatctattat atatattata tatatactat 900

ctattatata tctattatat atattatttt atattatata tagtatctat tacatatatt 960

atattatatt atatataata tctattatat atattatatt atattataaa taatatatat 1020

aatatctgtt atatataata gatattatat ataatatata atatatataa tagatattat 1080

atatattata ttatataata tataatatat aatataatta atataaaata tatataatat 1140

ataattaata taatatgtaa ta 1162

<210> 147

<211> 562

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(562)

<223> MAR of chromosome 2 genomic contig; 45516233..45516794

<400> 147

acatattata tatattatat ataatatata ttatatatac atattatata tattatatat 60

aatatatatt atatatacat attatatata ttatatatac atatatatat tgtatataat 120

atatacatat tatatatatt atatatacat attatatatt atatataata tatacatatt 180

atatattata tataaatatt atatattata tataaatatt atatatataa atattatata 240

ttatatataa atattatata tcttatatat aaatataata tataatatat ataatattta 300

tatattatat ataaatatta tatatattat ataatattat atataatata taaatatata 360

tattatataa atattgtata tattatataa atattatata tattatatat aaatattata 420

tatattatat aaatatatat aaatatataa aatatataaa tatgtaaaat ttatatttat 480

aaatatataa tataaatata taaatataaa tataaattat atataatata taatatatta 540

tacataatat atactatata ta 562

<210> 148

<211> 801

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(801)

<223> MAR of chromosome 2 genomic contig; 45727251..45728051

<400> 148

atatatatat ataatatata catatataga atatatatat tattatattc tatatataga 60

atatatatat agaatatata tatatagaat atatatatag aatatatata tagaatatat 120

atatagaata tatatataga atatatatat atagaatata tatatagaat atatatatat 180

agaatatata tatatagaat atatatatat agaatatata tatatagaat atatatatag 240

aatatatata tagaatatat atatatagaa tatatatata gaatatatat atatagaata 300

tatatataga atatatatat atagaatata tatatagaat atatatatat agaatatata 360

tatagaatat atatatatag aatatatata tagaatatat atatatagaa tatatatata 420

gaatatatat atatagaata tatatataga atatatatat atagaatata tatatagaat 480

atatatatat agaatatata tatagaatat atatatatag aatatatata tagaatatat 540

atatatagaa tatatatata gaatatatat atatagaata tatatataga atatatatat 600

atagaatata tatatagaat atatatatat agtatatata gaatatatat atatagtata 660

tatagaatat atatatatag aatatatata tagaatatat atatatagaa tatatatata 720

gaatatatat atatagaata tatatataga atatatatat atatagaata tatatataga 780

atatatatat atatatagaa t 801

<210> 149

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(346)

<223> MAR of chromosome 2 genomic contig; 50937238..50937583

<400> 149

taaaattata tatattatat ataatatata atatattata tataatatat attataatat 60

atataatata tattatataa aatatattct atagaatata tattctatta tataatatat 120

attctattat aatatatatt atatataata tatattctat tataatatat attatatata 180

atatattcta ttatgatata tattatatat aataacatat attatatata atatatattc 240

tattatataa aatatatatt atataaaata tatattctat tatataaaat atatattata 300

taaaatatat attatattat ataaaatata tattatacta tatata 346

<210> 150

<211> 462

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(462)

<223> MAR of chromosome 2 genomic contig; 55672627..55673088

<400> 150
taaatatata ttatatatta tattatatat aatatattta tatttatata tactataatt 60

tatatataat atatattata tatataatat atttataata tatatcatat aaataatata 120

tatttataat atatatcata taaataatat atatttataa tagatatcat ataaataata 180

tatatttata atagatatca tataaataat atatatttat aatagatatc atataaataa 240

tatatattta taatagatat catataaata atatatattt ataatatata tcatataaat 300

aatatatatt tataatatat atcatataaa taatatatat ttataatata tatcatataa 360

ataatatata tttataatag atatcatata aataatatat atttataata gatatcatat 420

aaataatata tatttataat agatatcata taaataatat at 462

<210> 151

<211> 401

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(401)

<223> MAR of chromosome 2 genomic contig; 56081352..56081752

<400> 151
tatacatgta tgtattcgta tatgtatgtt atatatgtat atgtgttata tacatataca 60

tatatacatg tatatgtgtt atatacatat acatatatac atgtatatgt gttatataca 120

tatacatata tacatgtata tgtgttatat acatatacat atatacatgt atatgtgtta 180

tatacatgtg tatgtgtata tgtatatata catatatgtg tatgtgcatg tgtatatata 240

catatatgta tatgtgtata tgtatatata catatatgta tatgtgtatg tgtatacgta 300

tatatacata tatgtgtatg tgtatgtgta tacgtatata tatacatata tgtgtatgtg 360

tatacgtaca tatacatata tgtgtatgtg tatacgtaca t 401

<210> 152

<211> 765

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(765)

<223> MAR of chromosome 2 genomic contig; 56404208..56404972

<400> 152
tatattatat aaagaatata tattatataa tatgtaaaga atatatatta tataatatgt 60

aaagaatata tattatatat tatgtaaaga atatatatta tatataatat ataaagaata 120

tatattatat aatatataaa gaatatatat tatatattat ataaagaata tatattatat 180

ataatatata aagaatatat aatatataat atataaagaa tatatattat atataatata 240

taaagaatat atattatata taatatataa agaatatata ttatatatta tataaagaat 300

acatatatat aatatataaa gaatatatat tatatataat atataaagaa tatatattat 360

atataatata taaagaatat atattatata taatatataa agaatatata ttatatataa 420

tatataaaga atatatatta tatataatat ataaagaata tatattatat atattatata 480

aagaatatta tatattatat aaagaatata tattatatat aatatataaa gaataaacat 540

atatactata tataaagaat atacattata tatactatat ataaagaata tacattatat 600

atactatata taaagaatat atataatata taaagaatat acattatata taatatataa 660

agaatatatt atatattata taaagaatac attataatat aaagaataca ttatatataa 720

tataaagaat acattataat atataaagaa tatatataat atata 765

<210> 153

<211> 443

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(443)

<223> MAR of chromosome 2 genomic contig; 61953416..61953858

<400> 153

tttatatatt atagataaaa ttatattata ttacatgtaa tatataatat gtaaaatata 60

ttatattaca tatataatat ataatatgta aaatatatta tattacatat ataatatata 120

atatgtaaaa tatattatat tacatatata atataaaata ttacatataa tatattttac 180

ataaatatat attatctatt acatatttat tatatgtaat aatatgtaca tatgtataaa 240

tatgtatata tttatacata tgtatatatt atatatacat atatatgtat atattatata 300

tacatatata tgtatatatt atattatata tacatatata tgtatatatt atattatata 360

tacatatata tgtatatatt atattatata tacatatata tgtatatata ttataaatat 420

gtataataaa gatttatatg taa 443

<210> 154

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(372)

<223> MAR of chromosome 2 genomic contig; 62076211..62076582

<400> 154

tatatataat tatatatgta attatatatc agtatatata attatatata attatcaata 60

tatataatta tatataatta tcaatatata taattatcaa tagatatata taattatata 120

tataattata tataattata tatcagtata tatacttata taattatata tatgtatata 180

taattatatg tataaattat ctataagtat atataactat aatatatatc aattatatat 240

acttatgtat aattatatat actgatatat aattatacat aattatatat atcaattata 300

tataattatg tataattata tatacatata tataattata tatataaatt atatgtaatt 360

atataattac ac 372

<210> 155

<211> 484

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(484)

<223> MAR of chromosome 2 genomic contig; 62158581..62159064

<400> 155
attatatata atataaaaat tatacatatt attttattat atattatata cataatatat 60

atatttcata tataatatat attatatata atataaaata tatattatgt ataattatat 120

ataaaatata ttatataatt atatataaca taaaatatat ataatatata attatatata 180

atataaaata tatatataat ataaaatata tattatatgt aattatatat aatataaaat 240

atatatataa tataaaatat atattatata taattataat ataaaatata tattatatag 300

tatatattat ataaaatata tattatatat aattatatat tatataaaat atatattata 360

tataattata taatataaaa tatatattgt atataattat atataatata aaatatatat 420

aatatatgaa ataagatata tactatatat aatatatata atttacatat aagatatata 480

tcat 484

<210> 156

<211> 644

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(644)

<223> MAR of chromosome 2 genomic contig; 68145036..68145679

<400> 156
tatatatatg ctaatatatg taatatatat tatatatatg ctaatatata tatgctaata 60

tataatatat attatatata aatatataat atatatttat ataaatatat aatatattat 120

atataaatat ataatataaa tatatataat atatactata ttatatatta tgtataacat 180

ataatacata tttgttatat ataatatata tattatatgt tatatattat atattatata 240

taatataaca atatatttta tatattatat gttatatatt atatattata tataatataa 300

cataatatat aatatatatt atattatata ttacatatat tagcaatatt atatataaaa 360

tatatataat atatataaaa tatatataaa aatataaaat atatatcaaa atataaacta 420

tataatatat aaaaatatat tatatataat atataaaaat ataaactata taatatataa 480

aaatatatta tatataatat ataaaaatat attatatatt atatataaaa atatattata 540

tataatatat aaaaatatat ataaaatata aaaaatatat ataaaatata aaaaatatat 600

aaaataatat aaaatatata atatataata atataatata taat 644

<210> 157

<211> 530

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(530)

<223> MAR of chromosome 2 genomic contig; 71257289..71257818

<400> 157
atatctatta tatttatata ctttatataa attatatcta ttatatttat atactttata 60

taaattatat ctattatatt tatatacttt atataaatta tatctattat atttatatac 120

tttatataaa ttatatctat tatatttata tactttatat aaattatatc tattatattt 180

atatacttta tataaatata taattatatt tatatacttt atataaatat aattataaat 240

atatttatat actttatata aatataatta taaatatatt tatatacttt atataaatat 300

aattataaat atatttatat actttatata aatataatta taaatatatt tatatacttt 360

ataattatat gttatattta taattatatt tatataattc ataattatat acattatgtt 420

tatagttata taatttataa ttatatacat tatatttata tttatataat ttataattat 480

ataaattata taaattatat aaattatctt taatttatat tatataatct 530

<210> 158

<211> 337

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(337)

<223> MAR of chromosome 2 genomic contig; 73413615..73413951

<400> 158
acttatatta tatataacta tattattgta tattaatata aattaatgat atataatata 60

ttaattatat attattatat gtgatataaa atacttatat ttatactgta tatatgtata 120

tacacacata tatgtatata tgtatatata cacatatgta tatatgtata tgtatatatg 180

tatactgtat atatgtatat acacacatat atgtatatat gtatatgtat atatgtatac 240

tgtatatatg tatatacata tatacatata tgatatatat cacatatatg tgatatataa 300

atatatttat ataaatataa tattaatatt tatatta 337

<210> 159

<211> 1340

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1340)

<223> MAR of chromosome 2 genomic contig; 77011049..77012388

<400> 159

atgtatttta tatagtatat attatgtatt atattgatat aattatataa caattattta 60

tatataaaat aacaaataaa tatataaaat aataaatata tatttattat taaataataa 120

atatatattt attattaaat aataaatata taaagtaata aatatatatt tatatattaa 180

ataattcata tatatttata tattaaataa ttcatatata tttaaataat taatacatat 240

ttaaataatt aatatatatt tatataatat atatttatat attaaataat taatatatat 300

ttatagatta aattaatata tatttatata ttaaattaaa tttaatatat tatatattta 360

tataatttaa atttaataat ttatataatt taattttaatt taatataatt aaaatatatt 420

aaacattata taatatataa tatattttaat atataatata tatttaatat ataatatatt 480

taatatataa tatatttaat atataatata tatttaatat ataatatatt taatatataa 540

tatatttaat atataatata tatttaatat ataatatatt taatatataa tatatattta 600

atatataata tatttaatat ataatatata tttaatatat aatatattta atatataata 660

tatatttaat gtataatata tttaatatat aatatatatt taatgtataa tatatttaat 720

atataatata tatttgatgt ataatatatt taatatatat ttgatgtata atatatttaa 780

tatataatat atatttgatg tataatatat ttaatatata atatatattt gatgtataat 840

atatttaata tataatatat atttgatgta taatatattt aatatataat atatatttga 900

tgtataatat atttaatata taatatatat ttgatgtata atatatttaa tatataatat 960

atatttgatg tataatatat ttaatatata atatatattt gatgtataat atatttaata 1020

tataatatat atttgatata taatatattt aatatataat atatatttga tatatattta 1080

atatataata tatatttgat atataatata tttaatatat aatatatatt tgatatataa 1140

tatatttaat atataatata tatttgatat ataatatatt taatatataa tatatatttg 1200

atatataata tatttaatat ataatatata tttgatatat aatatattta atatataata 1260

tatatttgat atataatata ttttcttatt aattatttat atataatata taaatatata 1320

ttaattaatt atatattaaa 1340

<210> 160

<211> 937

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(937)

<223> MAR of chromosome 2 genomic contig; 78226855..78227791

<400> 160

tgtgtatata tacatatatg tgtatctatg tgtatatata catatgtgta tatatacata 60

tatgtgtata tatacatatg tgtatatatg tgtatatatg tgtatatata catatatgtg 120

tatatatgtg tatatatgtg tatatataca tatatgtgta tatatgtgta tatatacata 180

tgtgtatata tgtgtatata tacatatatg tgtatatatg tgtatatata catatatgtg 240

tatatatgtg tatatataca tatatgtgta tatatgtgta tatatgtgta tatatacata 300

tatgtgtata tatgtgtata tatacatata tgtgtatata tgtgtatata tacatatatg 360

tgtatatatg tgtatatgtg tgtatatata catatatgtg tatatacaca catatatgtg 420

tatatatgtg tatatataca tatatgtata tatacatata tgtgtatata tgtgtatata 480

tacatatatg tgtatatatg tgtatatata catatatgtg tatacataca tatatgtgta 540

tatatgtgta tatatacata tatgtgtata catacatata tgtgtatata tgtgtataca 600

tacatatatg tgtatacata catatatgtg tgtatatgtg tatacataca tatatgtgtg 660

tatatatgtg tatacatatg tgtgtatatg tgtatatata catatatgtg tgtatatatg 720

tgtatatata catatatgtg tgtatatatg tgtatatata catatatgtg tgtatatatg 780

tgtatatata catatatgtg tgtatatatg tgtatatata catatatgtg tgtatatatg 840

tgtatatata catatatgtg tgtatatatg tgtatatata catatatgtg tgtatatatg 900

tgtatatata catatatgtg tgtatatatg tgtatat 937

<210> 161

<211> 1350

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1350)

<223> MAR of chromosome 2 genomic contig; 79287748..79289097

<400> 161

tatatatatt atatatatag taactgttct attatatata tattatatat atttctgttc 60

tattatatat tatatatatt atattatata ttatatgtaa tatattatat atattataag 120

taatatatta tatatattat atgtaatata ttatatatat tatatgtaat atattatata 180

tattatatgc aatatgttat atatattata tgcaatatgt tatatatatt atatgcaata 240

tattatatat attatatgca atatattata tataatatat gtaatatatt atattatata 300

ttatatgtaa tatcttatat attatatgta atatattata tatattatat gtaatatctt 360

atatatatta tatgtaatat attatatatt atatgtaata tattatctta tatatattat 420

atgtaatata ttatattata tattatatgt aatatatatt atatgtaata tattacatat 480

tatatgtaat atatattata tgtaatatat tacatattat atgtaatata tattatatgt 540

aatatattac atattatatg taatatatta catattatat gtaatatatt atatgtatta 600

tatgtaatat attatatgta ttatatgtaa tatattatat gtattatatg tattatatgt 660

aatatattat atgtattata tgtaatatat tatatattat atgtaattat attatatgta 720

atatattata ttatatatta tatatattat atgtaatata ttatattata tattatatat 780

attatatgta atatattata ttatatatta tatatattat atgtaatata ttatattata 840

tattatatat attatatgta atatattata ttatatatta tatatattat atgtaatata 900

ttatattata tattatatat attatatgta atatattata ttatatatta tatatattat 960

atgtaatata ttatattata tattatatat attatatgta atatattata ttatatatta 1020

tatatattat atgtaatata ttatattata tattatatat attatatgta atatattata 1080

ttatatatta tatatattat atgtaatata ttatattata tattatatat attatatgta 1140

atatattata ttatatatta tatatattat atgtaatata ttttatatta tatatattat 1200

attatatatt atatgtaata tattatatta tttattatat attatatatt atatgtaata 1260

tattatatta tttattatat atattatatt atttattata tataatatat tatattatat 1320

atattatatt atatatattt ctgttctaat 1350

<210> 162

<211> 332

<212> DNA

<213> Homo sapiens

<220>

<221> misc_difference

<222> (1)..(332)

<223> MAR of chromosome 2 genomic contig; 81142998..81143329

<400> 162
ctatgtatat aactatatat aactattata taacttaata agatatataa ctattatata 60

acttaataag ttatatataa ctattatata taacttaata agttatatat aactattata 120

taacttaata agttatatat aactattata taacttatta agttatatat aactatatat 180

aacttaataa gttatatata actattatat aacttaataa gttatatata actattatat 240

aacttaataa gttatatata actattatat aacttaataa gttatatata actatatata 300

acttatatac aacttattaa gctatatata ta 332

<210> 163

<211> 327

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(327)

<223> MAR of chromosome 2 genomic contig; 84019536..84019862

<400> 163
actgacagta tacatactgt atatatatac agtatgtata catatacagt atgtatacta 60

tatacagtat gtatactgta tatatatata cagtatgtat actgtatata tatacagtat 120

gtatacgtat gtatactgta tatatgtatt atagtgtata tatgtattat agtgtatata 180

tgtattatat atattatagt gtatgtatta tatgtgtata tacatataat atattataca 240

tatacatatg cacaatatgt atatgtatta tatgtattca tatacatata tgtatatgta 300

taatatatgt atacatataa tacacat 327

<210> 164

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(407)

<223> MAR of chromosome 2 genomic contig; 1448030..1448436

<400> 164
tatataatat atattacata tatattatat ctatattatt tatattacat atgtaatata 60

tattatattt atattattta tataatatat tatatatatt atattattta tatgtaatat 120

atttatattg tttatatata ttatatttat attatttata tataatacat attatattta 180

tattatttat atataatata tataataaat atataatata tataaaaata tatatattta 240

atatatctat aatatatatt atatatatta tatataatat atataattgt acatatattt 300

attatatata ttatatatat aatatatatt ataaatataa tatataaata tatttataaa 360

tatatataaa tattatattt atacattata tttatataca tattata 407

<210> 165

<211> 1959

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1959)

<223> MAR of chromosome 2 genomic contig; 2117630..2119588

<400> 165
tatacatgtt atagtgtata tagtatacta atatataatg tatgtatgtg tatacatata 60

cacatataat atacacatat ataatatata tagtatataa taatgtataa tatataatat 120

ataatataaa atgtatagta tactacatat ttatatatag tatatagtat gcatagtaca 180

tatatactat atatgtagta tactatagtg tatatatagt acaccatata tagtataaat 240

atactatata gtatatgtac tatatatata ctatatagta tatacagtat acatatatag 300

tatacctata ctatatagta tatatagtgt gcgtatacta tatagtatat atagtgtgcg 360

tatactatat agtatatata gtgtgcgtat actatatagt atatatagtg tgcgtatact 420

atatagtata tatagtgtgc gtatactata tagtatatat agtatacata tatagtgtgc 480

gtatactata tagtatatat agtatacata tatagtatgc gtatactata tatagtatac 540

atatatagta tatctagagt atatgtagta tgtatagtat atatagtcta catactgtat 600

atacagtata tatatactct atagtatact atacagtata gtatactata tagtatacaa 660

tatatgtata ctatagaaac acactatata tagtatacta tatatactat atactatata 720

ctatatatag tatactatat atactacata ctatatatag tgtatgtata gtatatataa 780

actatatata gtgtatatag tatatatatt atatataata tatattatat tatattatac 840

tatatattat atgtatatta tagtatatta tactattata tattatatat tatattatat 900

attatataat ataatataat tatatattat aaaatatata tttttatatt atatattttt 960

aaatatttta taatatatat tttataatat atatattata attattttat atataatata 1020

aaatataata aatattttat aatatatatt tttaaaatat aatatttata tattataaaa 1080

atataaatat ataatatatt atatattata tatagtataa tatataatat gttatatagt 1140

atcttatact attatactat atatattata tagtgtatat atagtatact atatatagtg 1200

tatatagtgt atactatagt gtatatagtg tatactatag tgtatatagt gtatactata 1260

tacactgtat atagtagtgt atactatata cactgtatat agtagtgtat actatataca 1320

ctgtatatag tagtgtatac tatatacact gtatatagta gtgtatacta tatacactgt 1380

atatagtagt gtatactata tacactgtat atagtagtgt atactatata cactgtatat 1440

agtagtgtat actatataca ctgtatatag tagtgtatac tatatacact gtatatagta 1500

gtgtatacta tatacactgt atatatagta tattatatat actatatatg tatatatagt 1560

atacatatat attatatata cagtatatat agtatatata ctatgtagta tatatagtat 1620

atatactata tagtatgtat agtatactat atagtatata tagtatatta tatagtatat 1680

atactatata gtatatatag tatattgtat atatagtata tatactatat agtatatata 1740

gtatattgta tatatagtat attgtatata tagtatacat agtatgtata tatagtatat 1800

atagtataca tatatagtat gtacacagta tatatagtct atatgtatac tacatatagt 1860

atacatgtat actatactac atatagtata catgtatact atactacata tagtatacat 1920

gtatagtata ctacatatac tatacatgta tagaatact 1959

<210> 166

<211> 520

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(520)

<223> MAR of chromosome 2 genomic contig; 2119984..2120503

<400> 166
tatgtatgca tcgtatacat atatagtata tatatgtatg catcgtatac atatatacag 60

tatatatagt atgcatcgta tacatacagt atactatata tacagtatat acagtatact 120

atatatacag tatatacagt atactatata tacagtatat acagtatact gtatatacag 180

tatatacagt atatatagta tactatatat acagtatata tactatgtat tctatatata 240

gtatagtgta catagtatac atatagtata cactatacta tatatagtat actatatata 300

ctctatatag tatatatagt atactatata tagtatatat gtatactata tatagtgtat 360

atatatacta tatatagtgt atatatatac tatatatagt atatatatac actatatatt 420

gtatagtata gtgtatatat agtatagtat atgtatatat acacatgtat acatgtatat 480

atgtatacta atatatacta atatatgtat aaatatatat 520

<210> 167

<211> 954

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(954)

<223> MAR of chromosome 2 genomic contig; 2578285..2579238

<400> 167

tattatatat aactttataa tatataatat atattatata taactttata atatataata 60

tatattatat ataactttat aatatataat atatattata tataacttta taatatataa 120

tatatattat atataacttt ataatatata atatatatta tatataactt tataatatat 180

aatatatatt atatataact ttataatata taatatatat tatatataac tttataatat 240

ataatatata ttatatataa ctttataata tataatatat attatatata actttataat 300

atataatata tattatatat aactttataa tatataatat atattatata taactttata 360

atatataata tatattatat actatatata atatataact ttataatata taatatatat 420

tatatactat atataacttt ataatatata atatatatta tatattatat ataactttat 480

aatatataat atatattata tataacttta taatatataa tgtatattat atattatata 540

ttatatatta tatataactt tataatatat aatgtatatt atatattata tataacttta 600

taatatataa tatataatat aatatataac tttataatat atatatcata tattatatat 660

aactttataa tatatatcat atattatata taactataat atatatatca tatattatat 720

ataactataa tatatatatc atatattata tataacttta taatatatat atcatatatt 780

atatataact ttataatata tatcatatat tatatataac tttataatat atatcatata 840

ttatatataa ctttataata tatattatat ataactttat aatatatatc atatattata 900

tataacttta taatatatat catatattat atataacttt ataatatata tcat 954

<210> 168

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(452)

<223> MAR of chromosome 2 genomic contig; 3836217..3836668

<400> 168
tttatatata aatatatatc ttatatatat ttatatataa tacatatata tcttatatat 60

ataaaatata tatacatatt tatatataaa atacatatgt attatataca tttatatata 120

atacatatgt attatataca attatataat acatatgtat tatatacaat tatataatac 180

atatttataa atatatatat ttatatttat atatatttat atataaataa atatatattt 240

atagatttat ttatataaat atatatttat ataaatatat atttatatat atttatataa 300

atatatattt atatatattt ctatatatat atataaatat atgtataaat atatatattt 360

atacatatat tcatataaat atatatattt atacatgtat ttatatgaat atatatttat 420

acatgtaatt atatgaatat atatttatac at 452

<210> 169

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(417)

<223> MAR of chromosome 2 genomic contig; 3837666..3838082

<400> 169
gatatatata tttatataaa tatatatata aagagatata tttatatatt tatttatata 60

aatatatttc tttatataaa gatatatgta aatatattta tttatataaa tatatttata 120

tatgtaaata tatatttata tatttatata tttatatatt tatttatata aatatatata 180

tttatatatt tatttatata tataaaaata tataaatata aatatatata aatatatata 240

attataaata tagaaataaa tataaatata aatatataaa tatatataaa tataaatata 300

tataaatata aatatatata aatataaata tataaatgta taaatatata aatataaata 360

tatataaata tgtataaata tataaatata taaatatata aaaatatata taaatac 417

<210> 170

<211> 1197

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1197)

<223> MAR of chromosome 2 genomic contig; 6294846..6296042

<400> 170
tatatactaa tatgtatata taaatatata aatatatata cacgtgtata tataaatata 60

tatgtatata taaatatata tacatatatg tatataaaaa tatatacgta tatacgtata 120

tacgtatata tagatatata cgtatatacg tatatacgta tatatagata tatacgtata 180

tacgtatata tagatatata cgtatatacg tatatacgta tacatgtgta tatacgtata 240

tacacatata cgtatacatg tgtatatacg tatatgtata cattatatat acgtatatat 300

acatatatgt atacatgtat atataaatat atacatatat gtatatatta tacatatatg 360

tatatataat atatatatta tatataatat atatattata tataatatat atattatata 420

taatatatat attatatata atatattata tattatatat aatatataca tatataatat 480

attatatatg tacatatgta cataatgtat atatgtatat atataatata tatgcacatg 540

tatatataat atatgtatat tatatataca tatgtatata tgtacatatt atatatgtat 600

atatgtacct attatatata catatgtata tatgtaccta ttatatatac atatgtatat 660

atgtacatat tatatataca tatgtatata tgtacatatt atatatacat atgtatatat 720

gtgcatgcat atataatata taatatatta tagattataa tattatatac atatcatata 780

ttatatactt atatatacat gtatatatta tatacatatt atatattata tacatataat 840

atatgtatat aatatataca tatattatat attatatata atacattatg ttatatatta 900

tgttatataa tatatattat ataatataca tatattatat ataatatata catatataat 960

aaataatata taattatata tataatatat gcatataaat atgtaatata ttttatatta 1020

tatatgatca tatataatat gacatattat atatgattat atatatgata tattatatat 1080

gattatatat attatatata aatatatgat tatatataat catatatata aatatatgat 1140

tatatgatta tatataaata tatatatatg attatatgat tatatataat tgattat 1197

<210> 171

<211> 362

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(362)

<223> MAR of chromosome 2 genomic contig; 6506971..6507332

<400> 171

tatatatagt gtatactata tatacgctat atgcacacat aaactatata tacagtatat 60

aatatgcgta tactatatac acagtatata ctacatgtat actatatata gtatataaga 120

tatatactat gtatataata tatatactag gtatatatat ccatatatat actatatact 180

atagtatata catatatatg tacgtatata tgtatatgta catatatatg tagtatgtat 240

atatatacat atatacacac tatagtatat acatatatat actatatata ccctatatag 300

agtatattat atacagtata ctatatatac tatatatacc ctatatagag catgtctatg 360

ct 362

<210> 172

<211> 2578

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(2578)

<223> MAR of chromosome 2 genomic contig; 6507395..6509972

<400> 172
ggtatactat atatactata gagtatactt tatagtatat atacctatat tatatatata 60

tacatacact gtatagtata tatggtatat atactatata tggcatatat agtttatata 120

tatactatat atggtatata tagtttatat atatactata tatggtatat atagtttata 180

tataccatat atggtatata tagtttatat agtacatata gtatatatac acactgtata 240

gtatatatta tgtagtatat atactatata tactgtatat atagtataaa tactatatat 300

agtatacact atatactata cactatatat actatatact atatactata tatagtatac 360

tatatagtat atagtatact ctatatgtac tatagagtat actatatata ctatacataa 420

aatattttta tatatagtac agcgtatact atatactata tatagtatac tctatatgta 480

ctatagagtg tagtatatac tatacagtat actctatata tactatacag tacactatat 540

atactatata tagtatattt tatatatagt acagtatata cagtatatat attatactat 600

atgtagtaca tatatagttt agtatatata gtatatatac tatactatat gtactacata 660

tataatagta tatatagtat atatactata ctatatgtag tacatatata gtttagtata 720

tatactagta tatagatata tagttatata gatatataat agtatatata gtatatatag 780

catatatagt atatatgcta tatatactat atagcatata ctatatacta tatatacagt 840

atatatagca tatatagcat atataatata tatacttttg atatacatac tatatacagt 900

atatatagta tatatactgt ataaatatac tatatatacc gtatatgcac actatatgct 960

atatatacta tatacactat atacagtata tatagtacac tatactatat aaagtatata 1020

tagtatacag tacactatac tatatacatt atatatagta tatattatac atagtatata 1080

gtatataaat agtatatata gtatatacag tatatatata gcatacttta tatagtatac 1140

acagtatata gatactatat atgctatata tagtatctat atactgtata ttatatatac 1200

taatatagta tatatgtata tatatactgt atatataata tatacatata tagtatatat 1260

actatacata cacactatac atatgtatat atactataca tactatatac tatatatcct 1320

atatatacta tatagtatat tatatatcct atatatacta tatagtatat tatatatcct 1380

atatatacta tatagtatat tatatatact atataccata tatactatat atactgtata 1440

gtatactata tatactatat agtatactgt atatactata tagtatactg tatatactat 1500

atagtatact gtatatacta tatagtatac tgtatatact atatagtata ctgtatatac 1560

tatatagtat actgtatata ctatatatac tatatagtat actgtatata ctatatagta 1620

tactatatat actatatacc atatatacta tgtatatact atatatagta tatactatgt 1680

atatgctata tatagtatat atagtatata tgctatatat agtatatata gtatatatgc 1740

tatatataca gtctatatat agtatatata ctatatagac tatatatata gcatatatac 1800

tatatatact atatataata tatatggtat atacatagta tctatatgta gtatctatat 1860

atagtaccta tatatactat atataggtac tatatatagt atatatactt tatatagata 1920

ctatatatag tatatatact ttatatagta tatatagtat atgtagcata tatagtatat 1980

atagtatata tagtatatag tatgtatagt atatatagat tatattgtat atacagtata 2040

tatactgtat atactatata aatagtacat acagtatata cagtatatat gtactatata 2100

tagtatatac agtatataca gtatatatgt accatatata gtatatacag tatatacagt 2160

atatatgcac tatatgttat atacagtata tacagtatat atgtactata taaatagaat 2220

atactctata tacagtatat atgtactata taaatatata cactatgtac agtatatatg 2280

tactatataa atagtatata cactatatac agtatatatg tactatatag tgtatacagt 2340

atatacagta tataggtact atatatggta tatacagtat atatgcacta tatggtatat 2400

acagtatata tgcactatat atggtatata cagtatatat gtactatata tggtatatac 2460

agtatatatg tactatatat ggtatataca gtatatatgt actatatatg gtatatacag 2520

tttatacagt atatatgcac tatatatggt atatacagta tacatgtact atatatgg 2578

<210> 173

<211> 598

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(598)

<223> MAR of chromosome 2 genomic contig; 7770400..7770997

<400> 173

gtgtattgta tatacatata cgtatctacg tatatacata tatgtattgt atatacatat 60

atgtattgta tatacatata tgtatatacg tatatacata tatgtattgt atatacatat 120

atgtatatac gtatatacat atatgtatat acgtatatag atatacatat atatgtattg 180

tatatacata tatgtatata catatataca tatatattga tatacatata tatgtattgt 240

atatacatat acaatatatg tatatataca tatacatata caatatatgt atatacatat 300

atatgtattg tatatacata tatatgtatt gtatatacat atattgatat acatatatgt 360

atatatacat atatgcatat atgtatatat acatatatgc atatatgtat atatacatat 420

atacatatgt acatatatac atatatacat atatgtatat atacatatat acatatgtac 480

atatatacat atatacatat gtacatatat acatatatac atatgtacat atatacatat 540

atagatatat atacacatat atagatatac ttatatgtat atatacatac atacatat 598

<210> 174

<211> 1048

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1048)

<223> MAR of chromosome 2 genomic contig; 8332422..8333469

<400> 174
cattatatat aatatataat atattattat atataatata tataacatta tatatagtat 60

atatgacata tataacatat attatatata acatatataa aatataacat attatatata 120

acatatataa aatataacat atattatata taacatatat aaaatataac atatattata 180

tataacatgt ataaaatata acatatatta tatataacat gtataaaata taacatatat 240

tatataacat gtataaacta taacatatat tatatataaa atatattata tgttatatat 300

tataaataaa atatattata tgttatatat tataacatat tatataaata atatataata 360

tataacatat attatataaa taatatataa catatattat ataaataata tataacataa 420

catatattat ataacatata acatataaca tatattatat ataacatata acatataaca 480

tatattatat ataacatata acatataaca tatattatat ataacatata acatatatta 540

tattatatat aacatataac atatattata ttatatataa catataacat atattatatt 600

atatataaca tataacatat attatattat atataacata taacatatat tatattatat 660

ataatatata acatatatat tatatataat atataacata taacatatat tatatataat 720

ataatatata acatatatta tatataatat aatatataac atatattata tataatataa 780

tatataacat atattatata taatataata tataacatat attatatata atataatata 840

taacatatat tatatataat ataatatata acatatatta tatataatat aatatataac 900

atatattata tataatataa tatataacat atataatata taacatatag catatataat 960

atataacata taacatatat tatatataac atataacata tattatatat aacatataac 1020

atatataata tgtaacatta tatataac 1048

<210> 175

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(375)

<223> MAR of chromosome 2 genomic contig; 8909678..8910052

<400> 175

tatatacaca tatatacgta tgaatatata tacacatata cgtatgaata tatataccca 60

tatacgtatg aatatacaca tatatatacg tacgtatata tatacacata tatacgtacg 120

tatatatata cacatatata cgtacgtata tatatacaca tatatacgta cgaatatata 180

tacacatata tacgtacgaa tatatataca catatatacg tacgaatata tatacacata 240

tatacgtacg aatatatata cacatatata cgtacgaata tatatacaca tatatacgta 300

cgaatatata tacacatata tacgtacgaa tatatataca catatatacg tacgaatata 360

tatacacata tatac 375

<210> 176

<211> 563

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(563)

<223> MAR of chromosome 2 genomic contig; 10572503..10573065

<400> 176
atttataata tatatgtata aatatatgta tatatttata tttaaatata tgtatatata 60

tttatattta aatatacgta tatatattta tatttaaata tacgtgtata tatttatatt 120

taaatatacg tgtatatatt tatatttaaa tatacgtgta tatatttata tttaaatata 180

cgtgtatata tttatattta aatatacgtg tatatattta tatttaaata tacgtgtata 240

tatttatatt taaatatacg tgtatatatt tatatttaaa tatacgtgta tatttatatt 300

taaatatacg tgtatattta tatttaaata tatgtatgta tttataaata tatatttaaa 360

gtatatattt ataaatgtat acatgtatat ataaatatat atattttaaa tatatattta 420

tatatatatt tatatattta tataagtata tatatattta aatatatgta tatatttata 480

tatttatata agtatatata tttaaatata tgtatatatt tataatatat attttaaata 540

tatatttata tatttattat ata 563

<210> 177

<211> 595

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(595)

<223> MAR of chromosome 2 genomic contig; 11609694..11610288

<400> 177
tataaatact atatatagta tatataatat tatatatact atatataaat atatgtagta 60

taaataatat ataatataga tatataatat aatataatat gttataaata taaatatatt 120

tatataattt aatttataat atataatata taatatataa tttaatttta taatatataa 180

tatataattt aattttataa tatataatat ataatatgta aattatatat aatttaatat 240

atctaaatta tataatttaa atataaatat aatataaata tatctaacat aatatacata 300

acataaatat atatagtata tatagtacat ataaatatat atagtacata tagtatatat 360

aaatatatag tatatataaa tatagtatat ataaatatat agtatatata tagtatatat 420

aaatatatag tatatataaa tatatatagt atatataaat aatatatagt atataaataa 480

tatatattat taaatataat aataatttat tatatatact atatattatt atgtattata 540

ttatatatat tattttatat ttaatatata ttattttata tattatattt aatat 595

<210> 178

<211> 662

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(662)

<223> MAR of chromosome 2 genomic contig; 12699804..12700465

<400> 178
gtatatatat atatatatat atggtgtata tatatatata tatatatggt gtatatatat 60

atatatatat atggtgtata tatatatata tggtgtatat atatatatgc tgtatatata 120

tatggtatat atatatggta tatatatatt tgctatatat atagcagatc tgctatatat 180

atatatttgc tatatatata gcagatctgc tatatatatt tgctatatat atgctatata 240

tatgctacat atatgctata tatatgctat atatatgcta tatatatgct atatatatgc 300

tatatatatg ctacatatat gctatatata tgctacatat atgctatata tatgctatat 360

atatatgcta tatatatgct atatatatat gctatatata tgctatatat atatgctata 420

tatatgctat atatatatgc tatatatatg ctatatatat gctatatata tagcatatat 480

atatagctat atatatgcta tatatatagc ttatatatat gctatatatg ctatatatat 540

gctatatata tagctatata tatgctatat atagctatat atatgctaca tatatgctat 600

atatatgcca tatgtatgct atatatatgc tatatatata tgctatatat atgctatata 660

ta 662

<210> 179

<211> 649

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(649)

<223> MAR of chromosome 2 genomic contig; 12821904..12822552

<400> 179

tatgtaatat tatatatata aattatatat tatacatatg taatattata tatatataaa 60

ttatatatta tacatatgta atattatata tatataaatt atatattata catatgtaat 120

attatatata tataaattat atattataca tatgtaatat tatatatata taaattatat 180

attatacata tgtattatat atataaatta tatattatac atatataata tatatataaa 240

ttatatatta tacatgtata atatatataa attatatatt atacatatat aatatatata 300

aattatatat tatacatata taatatatat aaattatata ttatacatat ataatatata 360

taaattatat attatacata tataatatat ataaattata tattatacat atataatata 420

tataaattat atattataca tatataatat atataaatta tatattatac atatataata 480

tatataaatt atatattata catatataat atatataaat tatatattat acatatataa 540

tatatataaa ttatatatta tacatatata atatatataa attatatatt atacatatat 600

aatatatata aattatatat tatacatata taatatatat aaattatat 649

<210> 180

<211> 3191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(3191)

<223> MAR of chromosome 2 genomic contig; 15356889..15360079

<400> 180

tacaattata tataactata aatataatat aatatatatt atctatatta catattaata 60

tataatatat attacctatt aatatataat ataatatata taatatatat tacctattaa 120

tatataatat aatatatata atatatatta cctattaata tataataaaa tatatataat 180

atatattaca tattattata taatatatat tatataacat atataacata tactatatat 240

tatataacat atataattgt atatgtatta tatatattat atatacttat acataatata 300

taaataatta aatatatgtt ataaatataa caaatatata acatatataa catatataac 360

atatatataa ttacataaaa tatataatac ataatatata ttatgcaaca tattatataa 420

tatataacat ataatgtata ttatattata tcatatataa tacataatat ataatatatg 480

atataatata atatattata tatgatataa tataatatat tatatatgtt ataatataat 540

atatattata tataggatat attataacat attacatatg atataataaa ttttatctta 600

tatataggat atattataat atatcacata tagcatatat taaaatatat tacatatagt 660

atattatata tactatatgt atatatacat atagtatatt atagtatatt atacagtata 720

tattatatat actatatata gtagtataca gtatatatta tatatactat atatagtagt 780

atacagtata tattatacag tatatattat atacactata ttatatatta tgtataatat 840

atactatata tagtatatta tgtagtatat attaaacata atagatatat agtatatact 900

atagataata gatattatat agtatatagt atatattata tataatatat ataatatata 960

ttatatacat atatgatata tgatatatta tatataatat atataatata taatatatgt 1020

aatataatac atattatata taatatatgt aatataatat aatatataat atatgtaata 1080

taataatata tattatataa tataacatat ataaatataa taatatatat tatatgatat 1140

aacatacata aatataataa catatataat atatattata tattatattg tatatatgat 1200

atactatata ttacacatta tacattattt ataatatata attaatatat aacatatatt 1260

agataacata taattatatc tgtaacatat ataagatata attacatata taacatatat 1320

aattatatat atatttatct aattatatat gaaattatat atgacatata aaattatata 1380

ttatatatgt tatatgtatt atatattata tatgttatat atgttatata taacatatat 1440

aacatatata acacacacat ataacatata taacatatat tacatatata acatatataa 1500

cacatatata attatctaac atagataata tatataatat ataatataac atatatatta 1560

tatattatac actctattat attatatata ttatacataa tatataatat atatgatata 1620

atataataca ttgtatatac gatataatat atattgtaca tagtataata tacatatata 1680

gtatattatg tataacataa tatatagtat attatgtata acataatata tagtatatta 1740

tgtataacat aatatatagt atattatgta taacataata tatagtatat tatgtataac 1800

ataatatata gtatattatg tataacataa tatatagtat attatgtata acataatata 1860

tagtatatta tgtataacat aatatatagt atattatgta taacataata tatagtatat 1920

tatgtataac ataatatata gtatattatg tataacataa tatatagtat attatgtata 1980

tataatatac atattatata gtatattatg tatatataat atacatatta tatagtatat 2040

tatgtatata taatatacat attatatagt atattatgta tatataatat acatattata 2100

tagtatatta tgtatatata atatacatat tatatagtat attatgtata tataatatac 2160

atattatata gtatattatg tatatataat atacatatta tatagtatat tatgtatata 2220

taatatacat attatatagt atattatgta tatataatat acatattata tagtatatta 2280

tgtatatata atatacatat tatatagtat attatgtata tataatatac atattatata 2340

gtatattatg tatatataat atacatgtta tgtagtatat tatgtatata taatatacat 2400

gttatgtagt atattatgta tatataatat acatgttatg tagtatatta tgtatatata 2460

atatatataa ggtgtatata tattatgtat atataatata taaggtatat atattatgta 2520

tatataatat atataaggtg tttatataat gtatatataa tatataaggt atgtatatta 2580

tgtatatata atatgtatat tatatataat atatattatt tatatacatt atgtatctat 2640

ataatatata ttatgtatat attaggtatc tatataatat atattatgta tatatattat 2700

gtatctatat aatatatata ttatgtatat atattatgta tctatataat atatatatta 2760

tatgtatatt atgtatctat ataatatata taatgtatat agatatatta tatattatgt 2820

atatatatta tgtatctatt ttatatataa tgtatataga tatacaatat atattatgta 2880

tatattatgt atctatataa tatatattat ttatatagat atatatatta tgtatatata 2940

cataatatat tacatattat gtatatatac ataatatata atatattatg tatatataca 3000

taatatataa tatattatat attacatata ttatatataa tatattatat tatgtatata 3060

tattatgtat atataatgta tatataatat ataaagtgta tatatattgt gtatatataa 3120

tgtatatata ttacatatat tatgtgtata tatattatac ataatatata tactacatta 3180

tacataatat g 3191

<210> 181

<211> 314

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(314)

<223> MAR of chromosome 2 genomic contig; 728676..728989

<400> 181
tgtgtatata tgtatatata atatatatta tataatatgc atatgtataa aatatgtata 60

ttatatatgt atattttata tatatgtata tattatatgt atattttata tatgtatatt 120

ttatatatat gtatatatta tatatgtata ttttatatat atgtatatat tatatgtata 180

ttttatatat atgtatatat tatatatgta tattttatat atatgtatat attatatatg 240

tatattttat atatatgtat attttatata tatgtatatc atatatatgt atatattata 300

tatatgtata tctt 314

<210> 182

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(423)

<223> MAR of chromosome 2 genomic contig; 737493..737915

<400> 182
ataatatata gtgtctttta tattatctaa tatgtaatat aatgtatttt atattatgta 60

ttttatatta tataatatat aatataatgt attttatatt atatgttata taatatatag 120

tgcattatat attatgttat attatatata ttttatttat ataaattata tattatatgt 180

tattttatat atattatata acatataata taacaatgca ttatatatta taaaatatat 240

aatacattac atatattata taatatataa tacattacat atattatata atatataata 300

cattatcata tattacaaat attacattag tataatagta attataatat aatatattat 360

atattacata tattatatta atgtaatagt aattataata taatatatat tatattttat 420

att 423

<210> 183

<211> 724

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(724)

<223> MAR of chromosome 2 genomic contig; 1069556..1070279

<400> 183
tattataata tattatatac attatattgt atatatacta tatatggtat atatagtata 60

cataatataa aatgtatatt gtaatataca ttatatatat acatagtgta cattatataa 120

tataatataa tgtatattat aatatacatt ataatataat agtgtactat gtatatagta 180

tatataatgt atattataat gtattatata gtataatata atataatata cattatatag 240

tattgcatta tatatgctat ataatatata atatattatg tatatataca ttatatatac 300

tatattatat agtacatata atgtatatta tatagtatat ataatataat acattataca 360

tacaatatat aatgtatatt atatagtatg tataatgtaa tacattatac atagtacata 420

aagtatatta taatatatta taatatataa tatacattat atattataat gtatataata 480

tattgtatat atactatata taatgtatat acaattatat ataattgtat atatacatgt 540

atatgtatat gtatatatac atgtatatgt atgtgtatat atacatatat gtatatgtat 600

gtgtatatat gtatatgtat atatgtatat gtatacgtat atatgtatat acaatgtata 660

tataatgtat ataaaaatat ataatatata caatatgtat ataatgtata taattatata 720

atat 724

<210> 184

<211> 383

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(383)

<223> MAR of chromosome 2 genomic contig; 2719918..2720300

<400> 184

atatttatat tttatatatt atttatatat aaatatatat ttatatttta tatattattt 60

atatataaat atatatttat attttatata ttatttatat ataaatatat atttatattt 120

tatatattat ttatatataa atatatattt atattttata tattatttat atataaatat 180

atatttatat tttatatatt atttatatat aaatatatat ttatatttta tatattattt 240

atatataaat atatatttat attttatata ttatatattt atatattata tatatttata 300

ttaatttgtg tataatatat attattaaat ataataaata tatttatttt tatatattat 360

ataaaaatat ataatatata aaa 383

<210> 185

<211> 309

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(309)

<223> MAR of chromosome 2 genomic contig; 4994249..4994557

<400> 185

tataatatat aattgttata acattataac aattatatat tatatataat acaattatat 60

aatatatatt atataattgt aatatataat ataattatat aatatatatt atataatata 120

atatataata tatcatatat gttatatatt ttattatata atatatatta tatataatat 180

tatatataat atatattata tataatatta tatataatat atattatata taatatattt 240

atatatatta tatataatat atattatata ttaaatatta tatatataat atatataaca 300

ttattgtta 309

<210> 186

<211> 740

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(740)

<223> MAR of chromosome 2 genomic contig; 5034916..5035655

<400> 186
tttatatata aaatattata tataatatta tatataatat tttctatata aaatgtgtat 60

ataattatat ataattatat aaaatataat atagaatatc taataatgta taatatataa 120

catataaaaa taatattatt taatatataa tattttatat ataatatttt tatatataat 180

ataatatata ttttatatat aattattaat tatataatta atatataata tatattttat 240

acataattat taattatata taattaatat ataatatatc ttatacataa ttatcaatta 300

tatataatta atatataata tatattttat acataattat taattatata taattaatat 360

ataatatatc ttatacataa tatatataaa tatattatat ataatatata ttatatataa 420

tattatatat aatatatatt atatatataa aatttatata taatattata tataatatta 480

tatattttat atacaatatg atatataata taatttatat attatatata tttatatata 540

attattatat aaattatata aatataaatt atatatttat atataattat tatataaatc 600

attatataat tattataatt ataatatata atataatata atattatata taatatatag 660

tattctatat aaataatata acatatattt tatatagaat attatatata atataatata 720

tattttatat agaatattat 740

<210> 187

<211> 847

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(847)

<223> MAR of chromosome 2 genomic contig; 6074678..6075524

<400> 187
aatatagaca taaatatata tgcataaata tatatatgca taaatatata taaaaatata 60

tataaatata tacataaata tatataaata tatacaaaaa tatatataaa tatataaaaa 120

aatatataaa tatatataca catatataaa tatatataca tacatatata aacatatata 180

cataaatata tatgtataaa tatatataca cataaatata tgtatgaata tatatacata 240

aatatatatg tataaatata tatacataaa tatataaaga tatatacata aatatatata 300

aatatatata cataaatata tataaatata tataaataga tatataaata tatatataaa 360

tatataaata tatatataaa tatataaata tataaaaata gatatataaa tatatatata 420

aatatataaa tatatatata aatatatata aatatataaa tatatatata aatatatata 480

aatatataaa tatatataaa tatataaata tatatataaa tatatataaa tatataaata 540

tatataaata tatataaata tataaatata tatataaata tatataaata tataaatata 600

tatataaata tataaatata taaatatata tataaatata taaatatata taaatatata 660

taaatatata aatatatata aatatatata aatatataaa tatatataaa tatatataaa 720

tatatataaa tatataaata tatataaata tatataaata tatataaata tatataaata 780

tataaatata tatataaata taaatatata taaatatata aatatatata taaatatata 840

taaatat 847

<210> 188

<211> 784

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(784)

<223> MAR of chromosome 2 genomic contig; 6108986..6109769

<400> 188
atttatttat atatttaata tataaaatat atatttaata tataaaatgt atatatatac 60

atatattata tataatacaa tatatattat atataatata tattatatat aatattatat 120

attatattat aatataatat atattatata taatataata tatattatat attattatat 180

ataatataat atatattata tattattata tataatataa tatatattat atattattat 240

atataatata atatatatta tatattatta tatataatat aatatatatt atatatatat 300

tttatatata taatatataa tatatatatt atatatatat tttatatata taatatataa 360

tatatatatt atatatatat tttatatata taatatataa tatatatatt atatatatat 420

tttatatgta taatatataa tatatatatt atatatatat tatatatata taatatgtaa 480

tatatatatt atatatatat tatatatata atatatatta tacataaaat atatattata 540

tataatatat ataatatata ttatatataa aatatatttt atgtataata tatattatat 600

ataatatata atgtatattt atatataaaa tatatattta tatacaatgt atatttatat 660

ataaaatata tatttatata caatgtatat ttatataaat atgtgtttaa tatatgaaat 720

atatatttat atataatata tatttaatct ataaaatata tattaaatat atatttatat 780

ttaa 784

<210> 189

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(381)

<223> MAR of chromosome 2 genomic contig; 10389032..10389412

<400> 189
tatacacata tagagtatat agagtatata tagagtatat ctatagagta tatatgtata 60

tagagtatat aatacagcct accatatata tagtatacat atatatatac tctatatact 120

atatatatag tgtgtatata tatagtatag accctaccat atatatatat aggagtatat 180

atatatacac actcctacta tatatagtat gtatatagag agtatataga gtatatatac 240

agtatatata cacagtatat atatgccata tatagtatct atatacttat atatagtatg 300

tatctatata cttatatata gtatgtatct atatactata tatagtatgt atctatatac 360

tatatagagt atatatgtat a 381

<210> 190

<211> 507

<212> DNA

<213> Homo sapiens

<220>

<221> misc_difference

<222> (1)..(507)

<223> MAR of chromosome 2 genomic contig; 11097807..11098313

<400> 190

aattatatat aatttattat atataatttt atatttataa tatttttata tacatatttt 60

atatatcttt ataattatat attacatata taatattata taatatatat aatatatata 120

atatatatta tatattatat aatatatatt atatatatta tatataatat atataatata 180

tataatatat ataatatata taatatataa tatatattat ataatatata ttatatataa 240

tatatattat atataatata tattatatat aatatataat atatataata tatataacat 300

ataataatat attatacata atttatatat aatttttata taattatata tatttatata 360

tttttatata attatatata tttatatatt tttatataat tatatatatt tatatatttt 420

tatataatta tatatataat ttttatataa atatatataa ttttatataa ttttatataa 480

ttataaaata tataattata tataatt 507

<210> 191

<211> 329

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(329)

<223> MAR of chromosome 2 genomic contig; 11234628..11234956

<400> 191

ttatagttaa atatataaat ataaaatata cagttttata cagtatatat aaaatataca 60

atatataata cataatacat tagttatata tactatatat actatatata ctacacgtat 120

agtatatata tgaaactata tatatactat acgtgtagta tatatatgaa actatatata 180

tactatacgt gtagtatata tatgaaacta tatactatac gtatagtata tatatgaaac 240

tatatatact atatatactt aactataatt gtatatagtt aaaaatataa atataaaata 300

tacagttaaa tatattaata tataatagt 329

<210> 192

<211> 584

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(584)

<223> MAR of chromosome 2 genomic contig; 797844..798427

<400> 192

tattatttta tgttataaat agataaaaat atatactaat atatatgtac ttatatatac 60

atcaatatat aatgtattat tttatactaa cgtatattat atatactagt atataatcta 120

tattatttta tatgttataa atatataata aaatatataa atattttatg catatattaa 180

tatataatat atactaacat gctaatttat atatacttat atataattta tatagtatat 240

aatatataaa tgtatataat acataattta tatatttata tattaatagt ttatatatta 300

gtatatatac taattttata tactaataaa taaattatat aatatataaa ttatatatta 360

tagtacataa tatatattat atagttaaat aactatgtaa ctataatata taactatata 420

tgatatacag ttatatataa tataaatttt acatacagta tataaattat atactataca 480

tttatataca tatggtatat aaattatata ctatacattt atatacatat ggtatataaa 540

ttgtatacta tataatgtgt attagtatat atactaatat atac 584

<210> 193

<211> 363

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(363)

<223> MAR of chromosome 2 genomic contig; 1093824..1094186

<400> 193
tatacacaca catatatata cacatatata tacacatata tatatacaca tatatataca 60

catatatata cacgtatata tgtatacaca tatatatgta tatatataca catatataca 120

cacatatata cgtgtatata cgtatatacg tacatatata cgtgtatata cgtatatgcg 180

tacatatata cgtgtatata cgtatatgcg tacatatata cgtgtatata cgtatatgcg 240

tacatatata cgtgtatata cgtatatgcg tacatatata cgtgtatata cgtatatgcg 300

tacatatata cgtgtatata cgtatatgcg tacatatata cgtgtatata cgtatatgcg 360

tac 363

<210> 194

<211> 545

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(545)

<223> MAR of chromosome 2 genomic contig; 3456187..3456731

<400> 194
tattataata tatatttata tattataata tatattatat tatatattta tatattataa 60

tatatattat attatatatt tatatattat aatatatatt atattataat atatatttat 120

attataatat attatattat aatatatatt atattattat atattataat ataatatata 180

ttataatata tattatatta taatttatat attatatata ttataatata tattatatta 240

tatatatatt tatattataa tatatattat tatatattat atattataat ttatattata 300

ttacaatata tattataaat atatatatta tattataaat atatattttt atattacaat 360

atatattata aatatatatt ttatattaca atatatatta taaatatata tattatatta 420

caatatatat tataaatata tattatatta caatatatat tatattataa tatatattta 480

tatatgatat attatattta atatattata taacataata tataatatat aatatattaa 540

tataa 545

<210> 195

<211> 356

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(356)

<223> MAR of chromosome 2 genomic contig; 5001567..5001922

<400> 195
tataaaatat atgttatata tataatatat attatataat atataatata tataatatat 60

aaaatatata aaatatataa tatataatat aatatataat atatataata tataaaatat 120

atataatata aaatatatat aatatataat atatataata tataatacat ataatatata 180

atatataata tataatatat ataatatata atatataata tataatatat ataatatata 240

atatataata tatataatat ataatatata atatataata tataaatata taaatatata 300

tacacacata cacacacata tatgcatata tatacatata catgtgtaca tagata 356

<210> 196

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(321)

<223> MAR of chromosome 2 genomic contig; 5457330..5457650

<400> 196

tatacaatat attataaatt atatataatt tatatataat atatattata tataaattat 60

atataattta tataatatat aaattatata taatataaat tatatataat ttatataata 120

tataaattat atattatata aattaaatat aatttatatt atatataaat tatatttaat 180

ttatataata tataaattat atttaattta tatataatat aaattatatt tttatatatt 240

atgtataatt tatatattta tacatatata cattataata tattgtatag tatatataat 300

atatagtata tataaagcat a 321

<210> 197

<211> 361

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(361)

<223> MAR of chromosome 2 genomic contig; 8124469..8124829

<400> 197
tatatataat atatattata tatattatat aaattatata taatatgtaa tataaatttt 60

gtaatataaa ttatatatat aaattatata taatatatat taatatatat aatataaatt 120

aatatatata atatataatt atatataatt tatatgatat atataaatat atattatata 180

taaattatat atatcataaa ttatatatca tataaattat atataatata cattatgtac 240

ataatatatg atatataata tataatatat attatatata attatatata tataattata 300

taatatatat aaattataat atataatata tataaattat aatatataat atatataaat 360

t 361

<210> 198

<211> 418

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(418)

<223> MAR of chromosome 2 genomic contig; 11151485..11151902

<400> 198
atgtaactat atatatagta tatatagtat atatatacta tatagtgtgt atatatagta 60

tatatatact atatagtgtg tatatatagt atatatatag tgtatatatc gtatatacac 120

tatatactat atagtgtata tatagtatat gtagtatata tagtatatat agtatagtat 180

atatagtata tatagtgtat atatactgta tatatagtgt acatagtata ctatatagta 240

tacatatagt acactgtata gtatatatag tatagtatat atagtataca tagtatacta 300

tatatagtat agtatacata gtatactata tagtatatag agtatatata cagtatacta 360

tatagtatat agagtatata tacagtatac tatatcgtgt gtatagagta tatataca 418

<210> 199

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(394)

<223> MAR of chromosome 2 genomic contig; 13591477..13591870

<400> 199

ttatatatat tttatatata ttatatatat tttatatata ttatatatat attatatata 60

tattatatat aattatatat aatatatatt atatatatta tatataatta tatataatat 120

atattatata tattatatat ataatatata tataatatat atattttata tatgtattat 180

atatatttta tatatattat atatattata tatatatttt atatatatta tattttatat 240

atataatata acatatataa tatataatta tatattatat atatattata ttatatataa 300

tatatattat atataatata atatataatt atatatatta tatattttat atatttatat 360

aaaaattatt ttatattatt ttatatataa atat 394

<210> 200

<211> 1194

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1194)

<223> MAR of chromosome 2 genomic contig; 14996824..14998017

<400> 200

taatatttat atatacatat aaaatttata tataatatat aatatttata tatacatata 60

aaatttatat atatatataa tatttatata tacatataaa atttatatat aatatataat 120

atttatatat acatataaaa tttatatata atatataata tttatatata catataaaat 180

ttatatataa taaatattta tatatacata taaaatttat atataattta tatataacat 240

ataatattta tatataaaat ttatatataa catatattta tatataattt atatataaca 300

tataatattt atatataata tatatttatt tatacaattt atatataata tataatactt 360

atatatacat acataattta tatgatatat attatatata taatttatat gatatataat 420

atatctaata tatattatat atattatata tattatatat aatttatata atatatatta 480

tatatataat ttatataata tatatattat atatataatt tatataatat atatattata 540

tatataattt atataatata tattatatat ataatttata taatatatat tatatatata 600

atttatataa tatatattat atataattta tatataacat attttatata catatataat 660

ttatatataa tatatattta catatacata tataattttt atataatata aaatatttct 720

atatacatat ataattttta tataatataa aatatttcta tatacatata taatttttat 780

ataatatata tttctatata catgtctaat ttttatataa tatatatttc tatatacata 840

tataattttt atataatata taatattttt atatacataa tttttatata atatatattt 900

acatatacat atataatttt tatataatat atatttatat atacatatat aatttttaca 960

taatatatat tatatataca tatataattt atatacaaca tataatatat acatatataa 1020

tttatataca acatataata tttatgtata catatataat gtatacacaa tatataatat 1080

ttatatatac atatataatt tatatgtaat atatacatat ataatttata tgtaatatat 1140

atacatgtat aatttatatg tagtatatat acatgtataa tttatatgta gtat 1194

<210> 201

<211> 487

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(487)

<223> MAR of chromosome 2 genomic contig; 14998429..14998915

<400> 201

tagtatacat ttacacatac atgtataatt atatgtaata tataatattt acatatataa 60

ttatagataa tatatattta catatacata tataattata tataatatat aatgtttaca 120

tatacataca taattatata taatatatat ttaaatatac atatacaatt atatataata 180

tatatttaca tatgcatata taattataga taatatatat ttacatatac atatataatt 240

atatataata tataatgttt acatatacat atataattat atataatata tatttaaata 300

tacatataca attatatata atatatattt acatatgcat atataattat agataatata 360

tatttacata tacatatata attatatata atatataata tttacatata catatataat 420

gtatatataa tatataatat ttacatatac atatataatt tatatataat atatattata 480

tatatta 487

<210> 202

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(421)

<223> MAR of chromosome 2 genomic contig; 16562490..16562910

<400> 202
tatatgaata tatatatgaa tatatacgta tatatgaata tatacatgta tgtatatatg 60

aatatatgta tatatatgaa tatatatgta tatatgaata tatgtatata tatgaatata 120

tatgtatata tgtatatata tgaatatata tgtatatatg tatatatatg aatatatatg 180

tatatatgta tatatgtata tatatgaata tatatgtata tatgaatata tatgaatata 240

tatgtatata tatgaatata tatgaatata tgtgtatata tatgaatata tatgtatata 300

tatgaatata tgtatatata tatgaatata tatgtatata tgtatatatg aatatatatg 360

tgtatatgaa tatatatatg aatatatatg tgtatatgaa tatatatgaa tatatatgtg 420

t 421

<210> 203

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(479)

<223> MAR of chromosome 2 genomic contig; 21592301..21592779

<400> 203
tatatgtata cgtatataat atattatata ttatatacgt gtacgtatat atgtaatata 60

taatgtatat gtacacgtat ataatatata atatattata tacgtatacg tatacattat 120

atattacata tatacgtata tacgtatata aaatatatgt atatattata tatacgtata 180

taatatatat tatataatat ataatatata cgtatacata taatatatta tatatacata 240

ttatatatta tatatttaaa ttatatatta tatcatatat aatatatatg atataatata 300

taatatacat atattacata atatatatta tatacatata catatataat atataatata 360

ttatatacat atacatatat aatatataat atattatata catatacata tataatatat 420

aatatattat atacatatac atatataata tataatatat tatatataca tattatata 479

<210> 204

<211> 870

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(870)

<223> MAR of chromosome 2 genomic contig; 22557584..22558453

<400> 204
tataatatat aatatacata atatgtatat tttatacaca atataaataa tatacataac 60

atatatgtat attttatata tgtatatttt atatatattt tatatatttt atatatatgt 120

atattttata tataatatat atattgtata taataatata taatatatta tattatatat 180

aatatatata atatatatat aaatatatat tatatataat atgtataata tataatattt 240

tatatataat atgtataata tatattttat atataataat atgtacaata tatattttat 300

atataataat atgtacaata tatattttat atataataat atgtacaata tatattttat 360

gtataatatg tataatatat attttatgta taatatatat tttatgtata atatatattt 420

tacgtatatt ttatatataa tatataatat tttatatata atatataaca ttttatatat 480

aatatataat attatatata ttatatattt tatatataat atatataaat atatatattt 540

tatatataat atattttata tataatatat ataaatatat atattatata taatatattt 600

tatatataat atattttata tataatatat aatatatttt atatattata tataatatat 660

tatatattat atataatata ttatatataa tatataatat ataatatatt atatataata 720

tataatatat aatatattat atataatata taatatataa tatataatat attatatata 780

atatataata tgtaatatat aatattttat atataatata taatataata tataatattt 840

tatatataat atataatata taatatataa 870

<210> 205

<211> 1086

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1086)

<223> MAR of chromosome 2 genomic contig; 30591960..30593045

<400> 205

gtatatataa tatatattat attatgttat atattatgta gactatgtat taaatatatg 60

tatatattat atataaatat ataatatata tttataattt ataattataa atatatttat 120

aatatatttt tctaaatatt tatatattat atattatatc taatgatata taataaatat 180

atttctaata tattttatat ttataaatat tttatatata ttatatattt tatatatact 240

atatattata tattatatat tttatatata ctatatatta tatagtatat attttatata 300

tactatatat tatatattat atattttata tatactatat attatatatt atatatttta 360

tatatactat atactattta ttatatattt tatatatact atatactatt tattatatat 420

tttatatata ctatatacta tttattatat attttatata tactatatat tatatattat 480

atattttata tataatatat atttattata tattttatat attatatata ttatatatta 540

tatatttata tattatataa tatatattat atatagaata tataatatat attatatata 600

atataatata atatatatta tataaaatat atataatata taaaatatat aatatatgat 660

atatataata tatattctat atttatacat atatatttaa tattatatta atatataatt 720

atatattatc atatgtaata atagatataa tatgtaatat ataaattata attatatatt 780

aatattatat attatttaat atgtatattt acacatatat taattattaa atatatatat 840

ttaatatatt aaatattatg tattaaatat atataatata tttataaata ttttatatat 900

aatatataca tatattaaca tatatgtata tatgtatata ttatatataa cattatatat 960

attatgttac atatactata ttttatatgt tacatatact atatattata tgttacatat 1020

aatatatata acatatatta taatatgtaa catattatat ataacatata atatatagta 1080

tatata 1086

<210> 206

<211> 406

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(406)

<223> MAR of chromosome 2 genomic contig; 36233909..36234314

<400> 206
attataaata tatattatag atattagata ttatagatat aatatatata atatatatta 60

tagatattat agatatagat ataatagata ttatagatat tatagatata atatatatta 120

tagatattat agatataata tatattatag atattataga tataatatat attatagata 180

ttatagatat aatatatatt atagatataa tatatattat agatattata gatatagata 240

ttatagatat tatatatatt atagatataa tatatattat agatattata gatatagata 300

ttatagatat aatatatatt atagatatta tagatataat atatattata gatattatag 360

atataatata tattatagat ataagatata ttatagatat tacaga 406

<210> 207

<211> 797

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(797)

<223> MAR of chromosome 2 genomic contig; 36271745..36272541

<400> 207
atataaacat atacgtatat acacatatat acaaatacat atatacatat attatatata 60

tgtatatata ttatattata catatattat atatatatta tattatacat atatacatac 120

acacataaac atattacata catatacaaa ttatacacat atacatatat acatatatgt 180

atatacatac attatatata aatatatgta tataaaatgt acattatata tacatatata 240

ttatgtataa ataatatata aaataaacat aatatatatt tatagatatg atatatataa 300

tatatatgta tacatatata catatatgta tatataatgt acattataca tacataaaca 360

tcatatataa atgttatata tataatataa atatatataa tatataatat atactttata 420

tactatatat aatatatata atatgatata acatatacta tatatactat atataatata 480

tactatatat actgtatata atatataata taatatatac tatatatact aaatataata 540

tacataatat aatatatact atatataata tataatatat aatatagtat atatactata 600

tataataatt acatattata tattatacat tatatattat ataattatta tatataatta 660

tatattacat actttgtata taatgtaaat atacattaga atatataatg tatatatatg 720

tacatatata atgtatatat gtatacatta tataaactat atataaacat tatattatat 780

aaacattata tataaac 797

<210> 208

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(423)

<223> MAR of chromosome 2 genomic contig; 36498521..36498943

<400> 208
tattatatta tatatttaat attatatatt taatatatta tatatttaat attatatatt 60

taatatatta tatatttaat attatatatt taatatatta tatatttaat attatatata 120

taatatatta tatatttaat attatatata taatattata tatataatat tatatattta 180

atattatata tataatatta tatatataat atattatata tttagtatta tgtatttaat 240

atattatata tttagtatta tgtatttaat atattattta tttagtatta tatatttaat 300

atattattta tttagtatta tatatttaat atattatata tttaatatat tatatattta 360

ttatatattg tatatttaat atattatata tttattatat attatatata attatatatt 420

taa 423

<210> 209

<211> 304

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(304)

<223> MAR of chromosome 2 genomic contig; 37179891..37180194

<400> 209

gtgtatatat atcatatata ttatatcata tatatgtgta tatatatcat atattatatc 60

atatatatgt gtatatatat catatatata tcatatatgt gtatatatca tatatattat 120

atatcatata tgtgtatata tatcatatat tatatatcat atatatgtgt atatatcata 180

tatattatat atatctcata tgtgtatata tatcatatat aatatatatg tgtatatatc 240

atatatcata tataacatat atatgtgtat atatcatata tataacatat atcatatatg 300

tgta 304

<210> 210

<211> 693

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(693)

<223> MAR of chromosome 2 genomic contig; 38440448..38441140

<400> 210
tatatattct tttatatatt atatataata tatattcttt tatatattat atatagtata 60

tattctttta tatattatat atagtatata ttcttttata tattatatat agtatatatt 120

cttttatata ttatatatag tatatattct tttatatatt atatatagta tatattcttt 180

tatatattat atatagtata tattctttta tatattatat atataatata tattctttta 240

tatatcatat ataatatata ttcttttata tattatatat aatatatatt cttttatata 300

ttatatatca tgtatatata atatacaaaa tatatataga ttttatatat agattattac 360

ataatagaat atattatata ttatatataa tatatacata atatataata ttatatatga 420

tataatatat atcatatata tcatataata tatattatat atcatatatt atatataata 480

atatatagat tatatataat tatatatata atatatataa ttatatatat tatctatata 540

tagataatat atataattat atataatata ttatatagat tatatataat tatattatat 600

acaaaatcta tatataatat atattatatt atatataata tacataacta tataaaaaat 660

ataatatata atatatataa tatataatat ata 693

<210> 211

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(471)

<223> MAR of chromosome 2 genomic contig; 38887582..38888052

<400> 211
aacatatata ctatatatat tatatactat attatatatt atatatataa acatatatac 60

tatatataat atataaacat attatattat acatgatata gataaacata tatattatat 120

ataatataga taaaatatgt tatatataat ataatgtata gacatatatt atatatacat 180

atattctaca tatattatat atatattcta cacatattat attatatata catatattct 240

acatatatta tatatacata tattctacat atattatata tacatatatt ctacatatac 300

atatatacat atattatata tacatatatt atagatatat aatatataaa catatataat 360

attattatat ataatatata taataatatt atataatata taataatatt atatcttata 420

tataaataat atatatattt tatatatata atattatata tatataatat a 471

<210> 212

<211> 1221

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1221)

<223> MAR of chromosome 2 genomic contig; 43885944..43887164

<400> 212
catataaaca tatattatat gtaacatata aacatattat atgtaacata taatatataa 60

tatataaaca tatattttat atattatatg ttacatataa tatataatat ataaacatat 120

attatatatt atatgtaaca tataatatat aatatataaa catatatttt atatataata 180

tataaacata ttttatatat aatatataaa catattttat atataatata taaacatata 240

ttttatatat aatatataaa catattttat atataatata taaacatata ttttatataa 300

tatataaaca tataatatat ataatatata aaagtatata atataaatat atataatata 360

aacatatata atataaatat atataaaata taaacatatg taatatataa acatatatta 420

tatataatat ataaacatat attatacgta caatatataa acatatattg tacgtacaat 480

atataaacat atattatacg tacaatatat aaacatatat tatacgtaca atatataaac 540

atatattata cgtacaatat ataaacatat attatacgta caatatataa acatatatta 600

tacgtacaat atataaacat atattatacg tacaatatat aaacatatat tatacgtaca 660

atatataaac atatattata cgtacaatat ataaacatat attatacgta caataaacat 720

atattatacg tacaatatat aaacatatat tatacgtaca atatataaac atatattata 780

cgtacaatat ataaacatat attgtacgta caatatataa acatatatta tatgtataat 840

atataaacat ataatatata atatatatta tatatatgtt tattatatat gtttatatat 900

tatatataac atatattatt atattatata tgtttatata ttatatatta tataatatat 960

atgtttatat attatatatt atataatata tatgtttata tattatatat tatataatat 1020

atatgtttat atattatata ttatataata tatatgttta tatattatat attatataat 1080

atatatgttt atatattata tattatataa tatatatgtt tatatattat atattatata 1140

atatatatgt ttatatatta tatattatat aatatatatg tttatatatt atataaataa 1200

taaacttaca tattttatta a 1221

<210> 213

<211> 543

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(543)

<223> MAR of chromosome 2 genomic contig; 45818200..45818742

<400> 213
tatgtatata tacatatata tttatacatg tatatatgta tatatacata tatatttata 60

catgtatata tatacatata tatttataca tgtatatata tacatatata tttatacatg 120

tatatatata catatatatt tatacatgta tgtatatata catatatatt tatacatgta 180

tgtatatata catatatatt tatacatgta tgtatatata catatatatt tatacatgta 240

tgtatatata catatatatt tatacatgta tgtatatata catatatatt tatacatgta 300

tgtatatata catatatatt tatacatgta tgtatatata catatatatt tatacatgta 360

tgtatatata catatatatt tatacatgta tgtatatata catatatatt tatacatgta 420

tgtatatata catgtatatt tatacatgta tgtatatata catgtatatt tatacatgta 480

tgtatatata catgtatatt tatacatgta tgtatatata catgtatatt tatacatgta 540

tac 543

<210> 214

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(463)

<223> MAR of chromosome 2 genomic contig; 47055478..47055940

<400> 214
atacatacat atatacatat atacacatat atacatataa tacacacata tttacatata 60

tacacacata tatacatata tacatatata cacatatata catgcataca catatataca 120

tatatacaca catatacaca catatataca tatatacaca tatatacaca tatacacata 180

tatacacaca tatacatata tacacatata tacatatata catatataca cacatataca 240

catatataca tatacacata tatacacata tacatatata cacatatata cacatatata 300

catatataca catatataca tatatacaca tatatacaca catatacaca tatatacata 360

tatacatatg tatacacata tatacatatg tatacacata tatacacata tacatatata 420

catacacata tatacgtata tatgtgtata tatacacata tac 463

<210> 215

<211> 2482

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(2482)

<223> MAR of chromosome 2 genomic contig; 47492696..47495177

<400> 215
aatatatata aaatatatta tattctatgt aatatataga atatataaaa tatattctat 60

atattatata gaatatatat tttataatat atattattta tatattttta tatatttata 120

ttatttatat atttatatat aatttatata atttatacat ataatttata tataatttat 180

ataaattata tatataattt atatataatt tatatataat ttatataaat tatatatata 240

atttatatat aatttatatg atttttatat ataatttata tataatttat ataattttta 300

tatataattt atatataatt tatataattt ttatatataa tttatataat atatatatat 360

aatttatata taatttatat aatttatata tataatttat atataattta tataatttat 420

atatataatt tatatataat ttatataatt tatatatata atttatatat aatttatata 480

atttatatat ataatttata cataatttat ataatttata tatataattt atataattta 540

tatatataat ttatatatat aatttatata atttatatat atgatttata taatttatat 600

atataattta tataatttat atatataaat tatatatata atttttatat aatttatata 660

tttataattt atatatttat ataatttata tatttataat ttatatattt atataattta 720

tatatttata atttatatat ttatataatt tatatataat tattcatata tttatataat 780

ttacatataa ttatttatat attcatatat aatttatata tttatatata atttatatat 840

aattatttac atatttatat atttatatat aatttatata tatttatata taatttataa 900

ataaaatata taatatataa tatataatat tataatagat aaaatatata ctatatatta 960

tatattttac attatattta atattatatg tataatttta tatcatatat aatatatatg 1020

atatatataa ttttatatca tatataatat atatggtata tataatttta tatcatatat 1080

aatatatatg gtatatataa ttttatatca tatataatat atgatatata attttatatc 1140

atataatata tattatatat aattttatat ctacatatta tatattatat atacaatttt 1200

atatctatct ataatatata ttatatatac aattttatat ctatataata tatattatat 1260

atacttttat attatatata aaatgtatat tatatatact tttatattat atataaaatg 1320

tatattatat ataattttat tttatatata aaatgtatat tatatataat tttattttat 1380

atataaaatg tatattatat ataattttat tttatatata aaatgtatat tatatataat 1440

tttattttat atataaaatg tatattatat ataattttat tttatataaa aaatgtatat 1500

tatatataat tttatattat atataatatg tatattatat ataattttat attatatata 1560

atatgtatat tatatataat tttatattat atataatatg tatattatat ataattttat 1620

attatatata atatgtatat tatatataat tttgtattat atataatatg tatattatat 1680

ataattttat attatatata atatgtatat tatatataat tttatattat atataatatg 1740

tatattatat ataattttat attatatata atatgtatat tatatataat tttatattat 1800

atataatatg tatattatat ataattttat attatatata aaatgtatat tatatataat 1860

tttatattat atataatatg tatattatat ataattttat attatatata atatgtatat 1920

tatatataat tttatattat atataaaatg tatattatat ataattttat attatatata 1980

aaatgtatat tatatatatt atatataaaa tgtatattat atatattata tataaaatgt 2040

atattatata tattatatat aaaatgtata ttatatatat tatatataaa atgtatatta 2100

tgtatattat atataatgta tattatgtat attatatata atgtatatta tatataatat 2160

atattatata taatgtatat tatataatat atattatata ttataatata taatatacat 2220

tatatattac atattatata taatatatta tatattatat attacatatt atatataata 2280

tattatatat tatattaaat atatatttta tatattatat attatatatt atataaaata 2340

tatatattat atattatata aaatatatat atattatatt atatattata ttaaatatat 2400

attttatata taatatatat aatatataat atataaaata tatattatat attatatata 2460

aattatatat attatatata aa 2482

<210> 216

<211> 539

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(539)

<223> MAR of chromosome 2 genomic contig; 47561069..47561607

<400> 216
aacagtaata tatcactaat atataataat atataacagt aatatatcat taatatataa 60

tatatcatta gtatataata ttaatatata ttaatatata atatatcata tacaatatta 120

atatatatta atatataata atatattatt aatgtataat agtaatataa tatattatca 180

atatatatta ctaatatata ataatatatc gttaatatat aatagatcat taatatataa 240

tgttaatata ttatgaatag ataatatatc agtatataat attaatatat taatatatta 300

tatattattt aataatatat aatatattaa taaataatta tatattaata tagcaatata 360

ttaatatatg actgtattat attattaata tataacaata tattatatat tatataataa 420

tttattatat aatatataat aatatattat atattatata acatattaat aatacataat 480

aacattaata atatataata atgttaatat attattatat tatatattaa tatataata 539

<210> 217

<211> 336

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(336)

<223> MAR of chromosome 2 genomic contig; 52853648..52853983

<400> 217
tatatacata aaatatatat attttatata tatacataat atatatatgt atattttatg 60

tatatatcta taatatatat aatataataa aatatacata tatattttat atatatataa 120

tatacatata aaatatacat acataaaata tacatgtata ttttatgtat atataatata 180

tatataaaat atacatgtat attttatata tataatatac atgtataatt aatatacatg 240

tatgttatat atattacatg tatattatat ataatataca tataaatttt aaatttagtg 300

tatattacat gtatattata tataatatat gtatat 336

<210> 218

<211> 406

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(406)

<223> MAR of chromosome 2 genomic contig; 54866263..54866668

<400> 218

tacgtatata aaaatgtata tttacatata taaaataaat attttatata cgtatataaa 60

atatatattt attttatata cgtatataaa atatttattt tatatatgta tataaaatat 120

ttattttata tacatgtata ttaaatatat atttatatat gtatataaaa atatatatta 180

tatacatgta tataaaatat atattatata tgtatataaa aatatatatg tatataaaat 240

atatatatta tatagatata taaaatatat attatataga tatataaaat atatatatta 300

tatagatata taaaatatat atattatata gatatataaa atatatatat tatatagata 360

tataaaatat atatattata tagatatata aaatatatat attata 406

<210> 219

<211> 1452

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1452)

<223> MAR of chromosome 2 genomic contig; 55113305..55114756

<400> 219
ataatatata atatatattg tatattatat tattatatat tatatattat taaatatata 60

tattatatta tatattatat aatatatatt atatataata atatagaata tataattata 120

tattatatta tatattatat aatatatatt atatataata atatagaata tataattata 180

tattatacta tatattatat aatatatatt atatataata atatagaata tataattata 240

tattatataa tatgtgaata atgtaatata taattatatt atttacatat tatataatat 300

ataattatat tatataatat ataattatat tatttgtata ttatatataa catatacatt 360

atattatata taatataatt atatataatt aattataaat taattatata taattatata 420

atataatata taatatacat aatatataat atataataca taatatacat aatataatat 480

atattatata taatataata tatataatat aatataatat aatgtataat ataattatat 540

attatatata atatataatg ttatataatt atattatatt atataattaa ttatatgtaa 600

ttaatataat ataattatta tatataattt tttatataat ataatatata attatataat 660

ataatataat tatattatat tatataatat atatatatta tataatataa tataattata 720

ttatataatt atataatata atataattat atattatatt atataataaa tataattata 780

taatataata tgattatata atatattatg tatattatat attatatatt gtattatgta 840

tattatatat tatatattat gtatattata tattatgtat attatatatt atgtatatta 900

tatattatat attatattat gtataatata ttatgtatgt tatatataat ataaattata 960

ttatatatta tgtatattat atataaatta tattatatat tatgtatatt atatataata 1020

taaagtatat attatgtata ttatatataa tataaagtat atattatgta tattatatat 1080

aatataaagt atatattatg tatattatat ataatataaa gtatatatta tgtatattat 1140

atataatata aagtatatat tatgtatatt atatataata taaagtatat attatgtata 1200

ttatatataa tataaagtat atattatgta tattatatat aatataaagt atatattatg 1260

tatattatat ataatataaa gtatatatta tgtatattat atataatata aagtatatat 1320

tatgtatatt atatataata taaagtatat attatgtata ttatatataa tataaagtat 1380

atattatgta tattatatat aatataaagt atatattata tgttataaat tatatattgt 1440

tatatattat at 1452

<210> 220

<211> 502

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(502)

<223> MAR of chromosome 2 genomic contig; 56350637..56351138

<400> 220

atatattata gaaatataaa tatatagata tatctatata ttatagaaat ataaatatat 60

agatatatct atatattata gaaatataaa tatatagata tatctatata ttatagaaat 120

ataaatatat agatatacct atatattata gaaatataaa tatatagata tacctatata 180

ttatagaaat ataaatatat agatatacct atatattata gaaatataaa tatatagata 240

tatctatata ttatagaaat ataaatatat agatatatct atatattata gaaatataaa 300

tatatagata tatctatata ttatagaaat ataaatatat agatatatct atatattata 360

gaaatataaa tatatagata tatctatata ttatagaaat ataaatatat agatatatac 420

aacatatatg ttacatatta tatattatat atctatatat ctatataaca ttatatatct 480

atatatctat ataacatata ta 502

<210> 221

<211> 794

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(794)

<223> MAR of chromosome 2 genomic contig; 57051633..57052426

<400> 221

aactatatat actatattat atagttatac tatatatact atattatata gttatataac 60

tattatataa ctgtattata tagttatata actattatat aactgtatta tatagttata 120

taactattat ataactgtat tatatagtta tataactata ttatataact gtgttatata 180

gttatatatt atataactat attatataac tgtattatat agttatatat tatataacta 240

tattatataa ctgtattata tagttatata ttatataact atattatata actgtattat 300

atagttatat attatataac tgtattatat agttataaaa ctatattata taactgtatt 360

atatagttat aaaactacta tataactgta ttatataatt ataaaattat actatataac 420

tgtattatat agttataaaa ctatactata taactgtatt atatagttat aaaactatac 480

tatataactg tattatatag ttataaagct atactatata actgtattat atagttatat 540

aactatacta tataactgta ttatatagtt ataaaactat actatataac tgtattatat 600

agttataaaa ttatattata taactgtatt atatagttat ataactatat tatataactg 660

tattatatag ttatataact atattatata agtgtattat atagttatat aactatatta 720

tataactgta ttatacagtt atataactat attatataac tgtattatat acttatataa 780

ctatattata taac 794

<210> 222

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(300)

<223> MAR of chromosome 2 genomic contig; 57069272..57069571

<400> 222
acacatacat atatgtatat atgcacacac atatatatgt atatatacac atacatatat 60

gtatatatac atatatgtat atacgcacat acatatatgt atatatacac gtacatatat 120

gtctctatat atacacatac acatatgtat atacatatat gtgtatatat acacaatcat 180

atatgtatat acatatatac acatatacac aaacatatat gtatatacat atatgtatat 240

acatatatac acatatacac aaacatatat gtatatacat atatgtatat acatacacaa 300

<210> 223

<211> 370

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(370)

<223> MAR of chromosome 2 genomic contig; 57235143..57235512

<400> 223
tatttttata tataactata tatattttat atataaatta tatatatgat catatatata 60

atcatatata taatcatata tgattatata tgatcatata tatatttata tatataatta 120

tatatactta tatataatta tatatatatt tatatatata attatgtata cttatatata 180

tttatatata taattatata tacaatttat atatataatt atatataatt tatatataat 240

tatatatata aattatatat aagtatatat aattatatat atgtttatat ataattatat 300

atataaatga tatgtataat atataactat atataattat atataaatat atatatagat 360

tttatatata 370

<210> 224

<211> 306

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(306)

<223> MAR of chromosome 2 genomic contig; 57693125..57693430

<400> 224
tacgtatata cacgtataaa tataaatata tacatgtata tacgtatata catgtataaa 60

tataaatata tatatgtata tacgtatata catgtataaa tatatatatg tatatacgta 120

tatacatgta taaatatata tatatgtata tacgtatata catgtataaa tatatataca 180

tgtatatacg tatgttgtgt atacatacaa atctgtacat atatacatat atgttgtgtg 240

tatatataca tctatacatg tgtatgcgta tatatgtata tgtatatata gtatatataa 300

tacatg 306

<210> 225

<211> 500

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(500)

<223> MAR of chromosome 2 genomic contig; 59810331..59810830

<400> 225

tttattatat gtaatatata ttgtattatt atatatatta tatataatat atattgtatt 60

attatatata ttatatataa tatatattgt attattatat atattatata taatatatat 120

tgtattatta tatatattat atataatata tattgtatat tatatatatt atatattata 180

ttattatata ttatatatat tatattatta tatattatat attatatata ttatattata 240

tattatatat tatattatat atattatatt atatattata tattatatta tatatattat 300

attatatatt atatattata ttatatatat tatattatat atattatata ttatatatta 360

tatatattat atattatata ttatatatat tatatattat atataatata tattatatta 420

ttatataata ttatatatta tatatattat atattatata taatatatat tatattatta 480

tataatatta tatattatat 500

<210> 226

<211> 565

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(565)

<223> MAR of chromosome 2 genomic contig; 59974589..59975153

<400> 226
atatatgtat aatatgtata tatgtatata ttatgtatat gttatatatg taatatatgt 60

atgtatatat tatatatcat atataatata taatgtgtat atatgtatat atgtatgtat 120

acatgtatat actatgtata tattgtatat attatatatg tatatataca tatacatata 180

taatatatac atatattata tacaatatat acatgtatat tatatacgat atatacatat 240

atattatata caatatatac atagtatata aatgtataca tacatacata tatacatatt 300

atatatgtat atatgtatac ataaatgtat atataatata tatacatata taaatgtata 360

catacgtaca tatacgtata tgtatatgca tatatgtata tatgtgcata catatatatg 420

tatatacata tatgtacata tgtacatata cgtatatatg tacatatgta catatacgta 480

tatatgtaca tatgtacata tacgtatata tgtacatatg tacatatacg tatatatgta 540

catatgtaca tatatacata tatat 565

<210> 227

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(427)

<223> MAR of chromosome 2 genomic contig; 60605573..60605999

<400> 227
tatataatgt atataatgga tatagatata gatatagata tatattttat ataatatata 60

ttatatatta tatataatat atgttatata tattatatat tttatataat atatatatta 120

tataaattat atatatataa tatataatat atatattata tatattttat ataatatata 180

tttaatatta tctattatat attttatata atatatattt tatataatat ataatatata 240

atatatattt tacataatat ataatatata atacgtatta tatataatat ataatacgta 300

ttttatataa tatataatac gtattatata taatacgtat tatatattat ataatatata 360

atacgtatta tataatatac gtaattatat tttattataa tacgtattat atattatata 420

atatata 427

<210> 228

<211> 1199

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1199)

<223> MAR of chromosome 2 genomic contig; 61229949..61231147

<400> 228
gtatacatat ataaagtgta tatataatgt atatacatat atacatatat aaagtatata 60

tataatatat acatatataa agtatatata taatatatac atatataaag tatatataat 120

atatacatat ataaagtata tataatatat acatatataa agtatatata tcatatatac 180

atatataaag tatatatata atatatacat atatacatat ataaagtata tataacatat 240

atacatatat aaagtatata taacatatat acatatataa agtatatata taatatatac 300

atatatacat atataaagta tatataacat atatacatat atacagtata tataacatat 360

atacatatat acagtatata taacatatat acatatatac agtatatata acatatatac 420

atatatacag tatatataac atatatacat atatacatga agtatatata acatatatac 480

atatatacat gaagtatata taacatatat acatatatac atgaagtata tataacatat 540

atacatatat acatgaagta tatataacat atatacatat atacatatat aaagtatata 600

taacatatac atatatacat atataaagta taacatatac atatatacat atataaagta 660

tatataatat ataacatata catatataaa gtatatataa tatataacat atacatatat 720

aaagtatata taatatataa catatacata tataaagtat atataatata tacatatata 780

catatataaa gtatatataa tatatatata catatataaa gtatatataa tatatataca 840

tatatacata tataaagtat atataatata tatacatata taaagtatat ataatatata 900

tacatatata catatataaa gtatatataa tatatataca tatatacata tataaagtat 960

atataatata tatacatata tacatatata aagtatatat aatatatata catatataca 1020

tatataaagt atatataata tatatacata tatacatata taaagtatat ataatatata 1080

tacatatata catatataaa gtatatataa tatgtataca tatatacata tataaagtat 1140

atataatatg tatacatata tacatatata aagtatatat ataatatgta tacatatat 1199

<210> 229

<211> 454

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(454)

<223> MAR of chromosome 2 genomic contig; 62181058..62181511

<400> 229
tatatatcat atattatata tgatatatat tatgtatata atacatatta tatataataa 60

atatttatta tatatgatat atattatgta tataatacat attatatata ataaatatat 120

attatattat atataataaa tatatattat attatatata atatatattt atatataaat 180

atattatata taaatatata ttatatataa aatatttata tattatatat aaatatatat 240

tatatataaa tatttatata ttatatataa atatttatat attatatata aatatttata 300

tattatatat aaaatatatt atatatatta tatatattat atattatata taatatattt 360

aatatataat atataaacat atattatata taatatataa acatatataa atatatttat 420

atataataga taaaaatata tataatatat ataa 454

<210> 230

<211> 658

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(658)

<223> MAR of chromosome 2 genomic contig; 62190919..62191576

<400> 230
tatatacaca actatatata taactatata tatacaacta tatatacaac tatatatata 60

actatatata taactatata taactatata tataactata tataactata tatataacta 120

tatatataac tatatataac tatatatata actatatata actatatata actatatata 180

taactatata tataactata tatataacta tatatataac tatatatact atatatataa 240

ctatatatat ataactatat atataactat atatatataa ctatatataa ctatatatat 300

ataactatat atataactat atatatataa ctatatatat aactatatat atataactat 360

atatataact atatatatat aactatatat aactatatat atataactat atatataact 420

atatatatat aactatatat ataactatat atatataact atatatataa ctatatatat 480

ataactatat atataactat atatataact atatatataa ctatatatat ataactatat 540

atataactat atatatataa ctatatatat aactatatat ataactatat atataactat 600

atatatataa ctatatatat aactatatat atataactat atatataact atatatat 658

<210> 231

<211> 1486

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(1486)

<223> MAR of chromosome 2 genomic contig; 62384127..62385612

<400> 231

attatatcta atctattata tattatatct aatacatatt atatctaatc tattgtatat 60

tatatctaat atataatata ttatatataa tatattatat attatatatt atatacaata 120

tattatatat tatataatat ataatatatt atatataata tattatatct aatatattac 180

atattatatc taatctatta tagatataat atgtaatata ttatatatta tatctaatag 240

atattagata taatatataa tatattatta atataatata ttagatataa tatataatat 300

aataatatat aatatatatt attggtaata tataatatat aattaataat atatattata 360

tataattatt atgaataata tatcatatat aatatctagt atattatata ttaataacat 420

ataaatatta tattaataat aaataacata ttaatattat attaataata tataatatac 480

taatattata ttaataatat ataatatact aatattatat taataatata taatatacta 540

atattatatt aataatatat aatatactaa tattatatta ataatatata atatactaat 600

attatattaa taatatataa tatactaata tattaagaat atataatata ctaatatatt 660

aagaatatat aatatactaa tattatatta ataatatata tttatattaa taatatatta 720

attattatta attaattatt aataattata taatattgat tatattaata ttatcaattt 780

aataatattg attatatatt atatattata tattatatat tatatattat atattatata 840

ttatatatta ataatatata ttagatataa tataatatat taataatata taagatataa 900

tataatatat taataatata tattagatat aatataatat attaataata tatattagat 960

ataatataat atattaataa tatatattag atataatata atatattaat aatatatatt 1020

agatgtaata taatatatta ataatatata ttagatgtaa tataatatat taataatata 1080

tattagatgt aatataatat attaataata tatattagat gtaatataat atattaataa 1140

tatatattag atgtaatata atatattaat aatatatatt agatgtaata taatatatta 1200

ataatatata ttagatgtaa tataatatat taatatatat tagatgtaat ataatatatt 1260

aataatatat attagatata atataatata ttaataatat attagatata atataatata 1320

ttaataatat ataagatata atataatata ttaataatat ataagatata atataatata 1380

ttaataatat ataagatata atataatata ttaataatat atattagata tataatatat 1440

taataatata tattagatat ctaatatcta ttagatatct aataga 1486

<210> 232

<211> 333

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(333)

<223> MAR of chromosome 2 genomic contig; 62538649..62538981

<400> 232
ttatatatat tatatatata tattttatat atatattata tatatatttt atatatatat 60

tatatatata ttttatatat atattatata tatattttat atatatatta tatatatatt 120

ttatatatat tatatatata ttttatatat attatatata tattttatat atatattata 180

tatatatttt atatatatat tatatatata ttttatatat atattatata tatattttat 240

atatatatta tatatatatt ttatatatat attatatata tattttatat atatattata 300

tatatatttt atatatatat tatatatata ttt 333

<210> 233

<211> 480

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(480)

<223> MAR of chromosome 2 genomic contig; 63240325..63240804

<400> 233
tatatataaa atatatattt tttaaatata aaatatatat atattttaat attaatatat 60

atatatttta atatataata tatatattat atattttata tataaaatat atatattata 120

tattttatat ataaaatata tatattatat attttatata ttaaaatata tattttatat 180

attttaatta ttaaaatata tatattatat attttaaata taaaatatat atattatata 240

ttttaatata taaaatatat atattatata ttttaatata taaaatatat atattttata 300

tttatatata taaatatata tattatatat tttaatatat aaaatatata tattatatat 360

tttaatatat aaaatatata tattatatat tttaatatat aaaatatata tattatatat 420

tttaatatat ataaaatata tatattatat attttatata tattaaatat atattttata 480

<210> 234

<211> 302

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(302)

<223> MAR of chromosome 2 genomic contig; 63935480..63935781

<400> 234

atatatataa atatatatat aattatatat agatatatat aattatatat agatatatat 60

attctatatt ctatatatat ataatatata atatataaat tatatataga atatatatta 120

tatataatat attatatata ttatatataa tatatatatt atatatatta tatataatat 180

atatattata tatattatat ataatttata tatattatat atagaatata tattatatat 240

agaatataga atatatataa tatatataga atacagaata tatatagaat atagaatata 300

ta 302

<210> 235

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(407)

<223> MAR of chromosome 2 genomic contig; 63935888..63936294

<400> 235
tataatatat taatataata tatagacagt atataatata atatacagac agtatataat 60

atacagacag tatataatat ataatattat atataatatt atatataata ttatataata 120

tattatatta tatatattat ataatatatt atattatata taatatatgt aatattatat 180

attatattat acataatata ttatatataa tatattatat ataatattat atatattata 240

tataatatat ataataataa tattataata tataatatat aatagtacag tatatattat 300

atatataatt ctatatataa tatatagaat tctatctatt tataatatat atagaattct 360

atatataata tataatatac agaattctat atatattata tatagaa 407

<210> 236

<211> 302

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(302)

<223> MAR of chromosome 2 genomic contig; 66958350..66958651

<400> 236
tattatatat attgtatata tatgtatatt atatatattg tatatataat gtatattata 60

tatattatat atatatgtat attatatata ttgtatatat atgtatatta tatatattgt 120

atatatgtat atgtatatat gtatgtgtat atatatacac atatacacat atatgtgtat 180

gtatatatat gtgtgtatat acgtatatat acatatatac aatttttgta tatatacata 240

tatacacata tatatgtgta tgtgtatata tatacacata tatgtgtgtg tatatacaca 300

ta 302

<210> 237

<211> 651

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(651)

<223> MAR of chromosome 2 genomic contig; 68307125..68307775

<400> 237
gatattatat attgtatata ttatatatgt atataatata ctattatata ttatatatgt 60

atataatttt attaatatat atattatatt atattatata ttatattata ttatattata 120

tatataatat taatattata tattattata tattatatta tattaatatt atatatatat 180

aatatatata atatatataa tagtattata tataatatat ataatagtat tatatattat 240

atatatataa tactattata tatattatat ataatagtat tatatatatt atatatataa 300

tactattata tataatatat actattatat aatatatata atactattat atatattata 360

tataatacta ttatatataa tatatataat actattatat ataatatata taatactatt 420

atatataata tatataatac tattatatat aatatatata atactattat atataatata 480

tataatacta ttatatataa tatatatatt atatataatt atattaatat ataatagtat 540

catatataat aatagtatat ataatatata atatatatat tatatatatt ataatagtat 600

atataacata taatatagta tatatattat atattatata taaaatattt a 651

<210> 238

<211> 367

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(367)

<223> MAR of chromosome 2 genomic contig; 68308243..68308609

<400> 238

atatatatat atgagtcaac catacacata tatatatata atgtttatat atataatgta 60

tatatataat gtttatatat aatgtatata tataatgttt atatatataa tgtatatata 120

taatgtttat atatataatg tatatatata atgtttatat atataatgtg tatatataat 180

gtttatatat ataatgtgta tatataatgt ttatatataa tgtgtatata taatgtttat 240

atatataatg tgtatatata atgtttatat atataatgtg tatatataat gtttatatat 300

ataatgtgta tatatataat gtttatatat ataatgtgta tatatataat gtttatatat 360

ataatgt 367

<210> 239

<211> 499

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(499)

<223> MAR of chromosome 2 genomic contig; 410241..410739

<400> 239
ataatatgta tatatattat attatatatt atattacata ttatatatta tattacatat 60

tatatattta tatattacat attatatatt atattttata ttatatatta tatcatatat 120

atgttatgca ttatataata cataatatat tatatatgat ataatatata ttatatatta 180

ttatatataa tataattaat atattatgta ttatataata tatattatgt tataatatat 240

aatatatatt atataattat ataatatatt atgtattata taatatatat tatgttataa 300

tatattatat tatatatatt atatatatat tatatatata atgtatatta tatataatac 360

ataatatatt atatattata tattatttta tataatatat tatataatgt gatatattat 420

ataatatatt atataacata gtatattata taatatatta tataatgtaa tatattatat 480

attatataat atattgtat 499

<210> 240

<211> 402

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(402)

<223> MAR of chromosome 2 genomic contig; 31531..31932

<400> 240
cacattatat atataaacat tatatatata cacattatat atataaacat tatatatata 60

cacattatat atataaacat tatatataca cattatatat ataaacatta tatatacaca 120

ttatatatat aaacattata tatacaaatt atatatataa acattatata tacaaattat 180

atatataaac attatatata tacattatat atataaacat tatatatata cattatatat 240

ataaacatta tatatataca ttatatatat aaacattata tatatacatt atatatataa 300

acattatata tatacattat atatataaac gttatatata tacattatat atataaacat 360

tatatgtata cattatatat ataaacatta tatatatatg tg 402

<210> 241

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<221> misc_binding

<222> (1)..(421)

<223> MAR of chromosome 2 genomic contig; 32415..32835

<400> 241
ataaatattt tatatataat atataatata tatactatat tatatgttat atatactatt 60

ataatatata taatatatat attatatatt atatatacta ttattatata tgatactatt 120

atatattaat ataattatat ataatatata tattatataa tatactatta tatattatat 180

ataatagtat attatataat atatatatta tatataatag tattatatat actattatat 240

attatatata ttatatatat ataaaatata atataatata tataatatat aatattaata 300

ttatatatat aatataatat aatatataat ataatataat atatatatta ataaaattat 360

attaatatat aatatataat agtatattat atacatatat aatatataca atatataata 420

t 421