

CGGTTATCCTGTGTGACTTTTTCTGCTCAATTTAAGCTTTTGCTCTTTAAGCTAGAACCATGTTTAGAGAGTGA
 ATTCAGAAAAGTGTGTAACAACCTC[A/
 G]AAGATGCCAGATTTCTCTCAATGGCAAGCTTACCAACTGTTTTGATCGGAAATCAAGGGTTTTGAGAAGGGGA
 GGGAGAACAAGTTTTTTGAATTGATTT A/G 0.492 91% 4.7% 148
 95.3% 106
 rs630101 1 233813565
 ATGTGTGTAATTAGCAATGTAAAGTCAACATATGAAATCTACATTTTGGCAATATGCTAAAAAAATTGACTAGT
 TAAATGATTGAGAAGTATGTGTTTC[A/
 G]TCATATTGCATCCCAAACAAATTTATTTGCATTTTTATAAGCTTGAGCACTTGTGCTCTTGCTACCAAAAAAT
 TTATAATTTTTTTTTTTTTTTTTTTTTTTT A/G 0.356 73% 23.7% 152
 97.0% 198
 rs880143 1 244765524
 CACTTGAAAAGCTGAAGACTACATTCTTCTTTTCAGTACTGAGGTGAGTAGCAGAAGTAGAGAGGTGTTGAAGAT
 AACTCTTGTTGAGATAGATAGTAGG[C/
 T]GCTGCTTTTGGAGTTTTGGAAATTGAGGCCTAACCTATGGAAACAGGAAGGCTATTCATCCTCAGAGGGTAG
 CAATCTGATTTTTATTAGGAATTTTGA C/T 0.304 71% 77.9% 154
 6.7% 194
 CV65408 2 5104502
 AAATTGTTGTCATTTCACTGGATTTGGGGCACTGGGGAGACTGACCCACATCTTCTCCTCCACCACCCAGATTCC
 TATCATGTGCTGATCTGAACGTTTA[A/
 G]TTTTCAGAAAGGAGAAAAGTCTCCTCCAAGTTCTTCAGGAAATTCATCCCAATATTCATCAGATGCTTTTAAAG
 AACACCAGAAAAAAGTCCAGGTCTGCC A/G 0.271 69% 21.1% 152
 90.2% 194
 rs2339475 2 29974325
 ATGGCCCCCTACCAATTACAGAGCTAGTTGATGGTAGATTGGGGGTCAGAACCCTTGTCTGGGGTTCCACCTG
 GATTCTTAGGTACAAGTAGTCCTG[A/
 G]TTCACCTGGGCAAGGTGGTATCCTGAAGGAATCCTGAAATTTTTCTTAGCTTCTAGGACTTGACGTGAACTAAG
 ACTTGGGGTTTTGGCTTGTTTTTTCTT A/G 0.355 72% 26.0% 154
 97.8% 182
 rs3768641 2 72342728
 GCTGGCCTCTTGGTGCCTGAGGTCCAGTCTATCTCCAAAGGAAAATAGGAGAGGCCCAATCCTGGTGGGTAGA
 GCTGGGCACAGGAAGCTTCTAGAAC[C/
 G]ATTCTCTAGCTCCTTCTCCATGTTTTGGACAAGTGTCTCACCCCCACCTTCTAACCAGACTCCATCTGCCCT
 TCTACGGCAATACTCCAGCCTCTCTAC C/G 0.556 91% 7.7% 156
 99.0% 196
 rs2625051 2 131723626
 GGAGTCCCGGTCCACGCTGAGGCTAAGGCTGAAGGGAAGGCAGAGCTCAGGTGGATGACGGAGGCCAGGCCTTT
 CCCTGAGCTTGGTGGGCTCCCTCCC[A/
 G]GTCACCTTGTCTGAGAACCAGGACACAGAGTCCCCTTGCTTTGGACTGGTTTGGTTTGTGATTCCCCTTGAC
 ATCGCCTCGCCCCAGAGACAAGAGGCC A/G 0.366 80% 87.8% 156
 8.1% 198
 rs2060447 2 163803097
 TTCACATTCATTTAAGTTCTGGTGAATGGATTTATTTCAAGATATTTTACAGACACCAAGGGAGAGACTAGTTT
 TCTACTTCAAATCCCACATAATGCA[C/
 T]GGATTGCCATACCCTGAAAATGCTGATGACCCAGAAATCATTAGGGAGGTAGAACAATTAATAAAGAAATAG
 GAAATAAATCATCCTTGCAAAAATATC C/T 0.436 87% 6.4% 94

93.5% 92
 rs3791896 2 219014623
 TACCAGCCTTGGAGCCCCGATGGAACCTGGGGGAGGGAGGGCAGGAGGCTGAAGGGGTGGGGGAGCAAGAAAAGAA
 GACAGGGAGAAAAGAGGTGAGGAGA[C/
 T]ACAGAACCGAGAAAGGAGATGGCAGTGCCTGGCATCGAGCAGGCGCCCAGTGGATGCCTGTGAGCTGCAGACA
 GAGGCTGCAGAAACAGATGGCAGGAGA C/T 0.442 77% 76.6% 154
 0.0% 196

rs935925 2 237501295
 TGCCTCGCGTTCTGCCAGGTGCCCTCACATGCACTGGGGCCCCAGTCAGTTTCTTTAAGCCCAATCCGGATCTTC
 CATCCTTTTTGCTTCCAGGCGATAT[G/
 T]TGTGATCCACTGCTGTCTTTCGTGGTGTCTCCTGATGACATCTGCAGGGGGCCCCCTGTGAACTCTTTCTAGT
 TAACAGGCATCACTTTTGTGCAGTGAG G/T 0.38 82% 98.7% 300
 16.8% 286

rs7611703 3 2749996
 AATTGAGATGATTGATATTATATATACACACACATAATTTTGAATTGGGGACAACAATGGAAATATTTCTCTCT
 TAGAGAAAATCCACCAAACCTTGTG[C/
 T]TTTATTAGTGATCTTGACGAATAACATGTTTCATTTACCTAGATGTGCCAAAATCACTTAATTCTTTACCAT
 TGAAGTGAGCTCACATTTGACCAGTAC C/T 0.319 73% 78.7% 150
 6.1% 196

rs4596126 3 13634898
 GATGGCCAGGGCAGGGGCTATGGGAAGGGCTGATCTTGCCAGGGGGTGTGGCATTCTGGGGTGCACACTGTGGG
 GTCCTTCACTTCTGTTACCCCA[A/
 C]GTTGGAACCCACAGAAGCCTGAAGCTTCCAGTGATGGGGGATTTGTGAGGCAGGAAAATAGAAGCTTTCTTC
 CTGGGGCTCCATCTGCAGGGACCTGGC A/C 0.304 71% 22.4% 156
 93.4% 198

rs1869868 3 46855580
 GGAGGATGCTGAGTAAGGAGAAAGCTCACCTCTGCAGCTGAGTCCCACCTTTAGGTGCCTCCACCCCATCCATTC
 TGATGTCTGCACCCACAGCCAGTGA[A/
 C]CCAAACCCAGGAACATGTGGTCAGCAGAGCCACATATGAGAGGTAAATGGCCCCAGGGTAGCAACATGGCCAT
 GGCTGGGCCAGAGGCACATTCTAAGTG A/C 0.428 86% 6.8% 132
 92.7% 178

rs1288980 3 71026706
 GCCTTAACTTCGCTTTTACTATCTGAAACCACGTTTTTCATGCCAGTTAGCTCTGGGCCTCCAAAGTGGGCTCCAG
 CTTCAATTTACAAATGTTATAAAACC[A/
 G]AGATTTCCCAACGTTTCTGTTCTAACATATCATGAAAAGAGGTTATGGAAAAGCTTTAACAACATATTCAA
 ATAGACCAGAACTATGGTGGGGTAGA A/G 0.321 77% 4.7% 150
 81.8% 192

CV8291911 3 131437605
 GGCGTTTAAGGTGAACAGTGACCAAGGATTCCCTGCCAAGTTCCAAATCTATCAGAAAGCAGTGTGTTGACAGCTT
 GCTGCAAGTCAACGTCAGTGGGCCA[A/
 C]CTCATCTGAACGCACAGTTCTTGCAGTCTCTTTGGGACACATTTAAGGATAAATCTGCATCCCGGGGCCAGGT
 ATCCATATTACATTCTATCTCCCATCT A/C 0.388 76% 78.9% 152
 2.5% 198

CV3158593 3 170316020
 AAGGGTATTCAAGGGTATTCAAGAATAGTTCAATTTCTTCTTGAAGTCCGTAAGCACAGGAGGAGCTCAAACATAC
 TACCTCCCTGAAAACAAAAAGGGA[G/

T]AAGAAACACTTTCTTACTTAAGAAAGAAAACTTAAGAGAGAAAAACAAAGTCGAATGAGCATAAACTGTCT
CATCAGGTTCTAATTCTTCTGTTTCTA G/T 0.444 87% 94.8% 154
7.6% 198
rs3846193 3 189989078
CCCCTTCTTCTCAGCCCCTAACAGTAGAACAGCCACTGGATATTGAAATAGGTATCAGACACTAGAGAAGGTC
AGAACACAGCTGGTGCATATATCA[G/
T]TTCCAGCCTCAACTGGACTTTTGGCCTTGCCCAATTTCTTTTTTTGTTTGTGTTTGTGTTTGTGTTTGTGTTT
GAGATAGAGTCTTGCTCTGTCACCCAG G/T 0.404 85% 2.6% 156
87.2% 196
rs758973 4 13290256
CTCAGCACCAGCCAGGCCAACAACTCCACTCTCCTCTACCCACATTTTCAGTCCGTGTTTGGGAAGAAAATGTGGAA
TATGGCTTTCTCAACGCAAAGTTCA[A/
C]GAAGTTTAACTCGCTTTACAGAAAGGCTCCTGCGTTGCAGAGGGAATATGAACAACAGAGAGAATCAGACAGT
TCTCTAAACCGGGAAGTGTGAAGG A/C 0.297 72% 19.4% 310
91.0% 322
rs4074 4 75202395
TTCCTAAAAGAGCATCCCAAGCTTAGAGGTCCCTGCCACACAGCACAGCTGTCATAGGCAGTAGCCACTTGGTTG
CCAGGCTGGGGAAACTGCATTCGGA[A/
G]AACTCTAGAGGCTGGAGGAGCAGGGCAGGAGAAGAGTGTTGTGCAATCAGCTTTCCCAGCACCTACTCAGGG
CACCCATTTTCTCATTGCAGTGACAAA A/G 0.377 72% 72.7% 154
1.0% 198
rs1525760 4 117594200
GGCTTGGTAAATCCAAAATTTCAAGGTAGGCTGGCAGACTGGAGATCGTGGGAAGAGTTGCAGTTCAAGTCTGA
AAATAATCTGCTGGCAGCATTTTCCT[C/
T]TTTCTCAGGGGAGGTCAGTCTGTTCTATTAAGACTTTCAACTGATCAGATGGGGATCACCTCATTATAGAGG
ATGATCAACTTTACTCAAAGTCCACCA C/T 0.416 83% 87.7% 308
5.2% 326
rs1530044 4 167005038
CCCAACTTTACCAGTAAATAAAATCAGCAGCATGCAATCGGACACTTACTGGCAAAAAACACTTGCTGATGAA
ATAGCCATAACGTTTTCTTTTATAC[T/
A]CACTTAACATATCTGTGTTGCAATTGCTACAAAACACTAGGAGAAATGTGGTTTTTCTCATGTTTCTTTTTTA
TATAATTTTTCAGAATTAACAATGCC T/A 0.354 79% 89.9% 268
10.6% 310
rs4702813 5 11795406
TTTTCTTCTCTCATGTAGATCAAAGAAATGTCTTCCATTTCTTTCAGAGAATACCCCCCTCCCTGTTCTTGATCC
TATGTTCTAAAAAACAATGTTGGC[A/
G]AAATATAATTACTTTTGGCTTTACTTCCATCATCAGGCATTACTTTCATAATCTGCCATTACCTTATACCCAA
GTGAATAATGAAATATGGCATTAGAAC A/G 0.322 64% 65.4% 156
1.0% 198
rs930072 5 36711572
GTGACATAATCATTCTTTACCAACAATTTGGAATCTAACTTTTAATGATTTGTCTTCGGTTCAGAACCCCTTAGA
ATCATAGCACTTTCAGTGTGTTTTA[C/
T]AAGCTAGTCTATAAAGGGGCCAGAAGAAAATTTTTTGCACAGAAAAACAATATAGTTCTAGAGAGAGATTTG
AAGTGACTTTCTTTGTGCTCCCTCCCC C/T 0.408 82% 87.3% 268
5.4% 312
rs874973 5 72821968

AACTTTTACTTTTTAAAAGACAGAGTAGCACAAAATAGTTTTTTCAAGGTGGTACGCTCATGATAATAGCGACAAG
AAAAACTCTAAATGTAAGTCATCAG[A/
G]AGCTCATCACTGTTATCTTCGTTTCTCCTCCTAGCCACCATGTATGGAGGCTTGGGAATCAAAGGAGATCTAT
GAGAATCATCAGTTGTTTTCTCTGTGT A/G 0.375 81% 9.0% 156
90.4% 198
rs2227282 5 132089395
GGCAGACACACTCAGCAGCCAGAGCTAGACAGGCAGGTGGTAGGAGTCCAGGGCCACGGCAGGGATGGAGTGTCC
CCCCCTCGCTGCGATACCAGAGCAA[C/
G]TAAACGTTAAGGCCTTGCCTAAAGCTGCCCTTAGGATGCATTCTTTTAAAGTTTTTCCATTTAATGCAGAC
TCTTTTCAATTCTTATTTTATCCTTGT C/G 0.398 77% 79.3% 150
2.2% 184
CV2708523 5 167637921
GTGTAATTGATTTTTGATATGCTGCACTGTAGAAGTTGATTATAAGTAGTAATCGTGCCTTTTCTCTGATAAATC
AGTTATGCATTTTACTAAGTTTTT[C/
C]AAATAAAGATAAATGTGGCCCTAAAATAAAGTGGCTATAATCCCAACTCCAAATATTAATAACTCTTTCTTTAA
TAATGGTACTTGTGGTAATTAGCCCAA A/C 0.32 75% 85.1% 154
9.7% 196
CV3167335 5 180785842
TTTTTATTGCTACCTGCTAAAAACGCCTTATTGTCACGGTGCAGGCTAGGTTGGAGGAGTAAACTAGAGACAA
GAAGAGTTAAGAAGCCACTGCAGTA[A/
T]TCAAGACAAATGAGTCAAGCCAAAGGCTGAGATGCTGTACAGGAAGGTCTTAGGGGGACCCTAAATTTAGCT
GGGGTGGTGGTGAAGATTCCTACGA A/T 0.343 73% 76.0% 154
3.5% 198
rs3024354 6 6237429
TCCAAATGAGATAAAGAATGCCTGGAATTCCAGAGGGAAAAATCGAGTGTGGAAAATGCTAATGGAGGTAGTAG
CTTCATTGATAACTCATTGGCACTG[G/
T]TGCTGTGCAGAGGTGCTGTATGCCTCCATTTAATTGTTCAAGCAGCCCTCTGGGCATTGGACTATGGCCATC
TCCATTTTCCCATGAGATAATGGTTG G/T 0.379 78% 82.2% 152
4.3% 188
rs7753949 6 34929249
GAGTAAGATATTTCTAAGGGCAAAAAGGAAACAGTTTTGAAAATCTTAGCTAATACTGAGTTGGCCAGGATGGG
TGAAACAGAGTTAAGGAATGTGTT[A/
G]GCCCTTTTCTGTGCACCTAGAAAATCCTCCAGGGCCAGTAACCATTTTAGGTTTATTTTATTAATAAAACAG
GCCTTTGGGCTTCTGTGTTATTGATT A/G 0.326 70% 73.7% 156
3.5% 198
rs1190286 6 105656516
CACTGGCAGAGCAGAATTTGGCGCTCATGCCCATATGCTGGGTCCAATCGTGTGGCCTCTCAGGAAAGATTTTT
AAATTTGGCATGATAAGGAACCCTA[C/
T]TATATCAATAAACATAAGAAACATAATTAGAAGTACATTCTAAGAGCATTAAATTGACTATGGAAATATTTAA
TAAATTAGATTGAAATATTTGAGAAA C/T 0.336 77% 85.8% 260
9.2% 304
rs1480642 6 136480098
CCCTATGCATTCTACTTAAATATATTTTCAATTTTAAAGGTAAATTTTACAAATATTTATGGATTGTTCCCTTTATT
ACTTTTTATATGTGAGGGAAAGCTC[C/
T]AACTTGCTTTACCTTTCTAAGATATCCCATTTTCTCTATACCATTTGTTGACTAATATATCTCTTGGCCACTG
GTTTGTAAACAGTGCCTTAATTAGTTTT C/T 0.459 89% 0.6% 156

89.4% 198
 rs1454436 6 156879901
 CTCCEAAGACCTAAGAGTGTTCGCATAAGTAAGTGAATGAAGCCTCTCTAGTCCCTGCTCACAGTCAGCCTTCT
 GGAATGGCTCCTGTGCCCTCCTGCC[C/
 T]TCTCACAGCCTGGCCTGTTGGTCTCCTTCACTCTCAGGGACCCTCTGGTCATTGGTCATGCCTGAATCTTGCT
 CTCCTGCCTGAACAAGCTCTGCTGCC C/T 0.268 67% 73.7% 156
 7.1% 196
 rs2965404 7 21493818
 TAGAAAAGTTTGTGGCTGCTATATGAATTGTGGTGGCAAGTTCATTAGATACTGTCACCTTTTGGCACAAAATA
 CTTACAGAAGAAACATTCTAGATA[C/
 T]ATGCATCAAACAGTTTTGCTCACAATGCTATTAGATTTACTAGAGCTTGAAAAATTTGCAACTGTAAATAT
 GTCACATCAAATACACAGTGCTTAGAT C/T 0.366 78% 83.3% 156
 5.6% 198
 rs1011024 7 98808798
 TCACACATGCACATGCCTATAAGAAAGCATTCTCTGGATCCACAGAATTCCAGATTTGGGAATCACTGAATTGAA
 CTGCCGGCCATTGGTGGCTGGTGAG[A/
 G]CTGTCCCTGGCAGTGATGCAGTATTCTGGTCCCTGTGCCAGCACTGATGGGCTGTGGAATCCTCCACCAGTCAT
 TCCCTCTCTCCAGCTCTCCATCTCTGC A/G 0.471 85% 12.3% 310
 97.4% 340
 rs1433391 7 131517752
 ACAGGGCTGTCCAAGAATGAGACATTGAACATTTGTAATAAGCAGCAATTGAAAAGATAAATGGCAAACCTGGA
 GTTTGGGAAGCAGCCAGTAGGACT[C/
 G]TCTTCCTATTCACTCTCAGTAAATACTTCTTGAATAAACCAATGGATGTTTGGCTGGATGGAAGAGTGGATGG
 ATGACACCTAACAGTTCTTCAACCACT C/G 0.378 83% 96.2% 156
 13.6% 198
 rs1861141 7 153452185
 AGGAAATGTAGTTGTTATAAGAAATGCTCAATGTTCCAGAAGTCTATGAGTTACTAGAACAGGAATTTTCAATG
 GCAGTTTTATTCCAGTTTGTCCCCA[A/
 G]TGCTTCAAGAGAGGGTGGGTAGGGCTTTATGTGTTTGGGGAAGTTGCTGAAGAAAGCAGCTGAATAACTGAA
 TCCTTTTACTTATAAAAAGTTCAAAG A/G 0.323 77% 94.2% 156
 16.8% 196
 rs2045638 8 2963312
 CTCAACGAATATTTATTGAATACATTAATAAATACTGGATATGTTCAATTAATTTAATGTGCTATTATGCC
 ATGAAACATTAATCGCCCCCATGC[A/
 G]AAGTGATGAACCTTACCATCACATCTTGGAAAAGGGTAGTTCAGTTTCTGTTGATCCCATGCTGACAAGTGAG
 GACAGGATGGCCTATTAGAATGTACCC A/G 0.283 72% 17.3% 156
 88.8% 196
 CV9319301 8 52792064
 TCTGGGATGTGCCTACTTTAGTCTGGGAGTCACACACATTGACTAGGCTCTATTCACCATGTATTTACAGGTAGA
 CTCCCATGGTGGCAGGCTGGTGCCA[C/
 G]TGCCTGAAACTGGGTGGGTGGTGGTCTGCCTAATGTAAGGGTGTGAAACCCGGTCTCTACTAAATATAAA
 AAAGTAGCCGAGCATGGTGGTGGGAGC C/G 0.391 82% 10.3% 156
 92.4% 198
 rs406079 8 81447385
 TGAAAACATCTTTTTTTTCTTAACCTGAAATAGGCTTAAATTCTCACATTGTCAGATGAGTCTTAACACTTTAGT
 ATTTGCTAAATTTAGCATATTAATAA[A/

T]TTTTTAAAAGGAGTATAAGGGCCCTAAATTGGAAAAAAAAAACTCTACTACGATCATAACTGTGGGATTTTCATT
TCCAGTTTCATTCTGTGAGAATCAATCT A/T 0.277 66% 29.1% 110
95.3% 106
rs7845391 8 121667530
TGGTACAGAGGAAGTAATAAAATGGTCAAGATGGTCCTTCTTGCTGGAAGAGACTCCAAGTCATTTTTACAAGGC
TTGGCTATCAATTGTAGACATAATT[C/
G]TACTGCCAAGCACTCCTGTCCCCAATCACCAGTTGAGGTCTGAGACTAAGCAGCCCCAGGCAGGGAGTGAAAG
CAGGGTAGCCATGCTTGGGTGTGGTAA C/G 0.36 74% 76.9% 156
3.1% 196
rs1871534 8 145644482
GGGCATGGCCTGGGAGTCCATGGTGGGGAACGGAGGGCCAGGGTCGCGGGTTTGTGGGGCAGACCTTGGGCGTC
AGATGCAGGACAGCGTCCCCAGTGA[C/
G]TGCACCCACTGCCAGGCTCAGGAAGGTCTGCAGGATGTAGTGGGTGACCCCCCTGCAGCCAGTGCAGGTCAGC
AGCAGGAGGCCAAAGACCGCGCAGAGG C/G 0.55 94% 98.1% 156
4.0% 198
rs7865808 9 2903620
TGCTCCTGGAAGTGGAGCATGGTGGAACTACCTCAACAATACAAGAGGGGCCATTCTTGCAGGAAGCAGTGTGAT
TCTGTGGCAACCTAGAAGGAGAAAA[A/
G]GTTTGAGTTGAGAAAAACCGAGAGCATGAAAACCTGTCACATCTTCTTCTGCCACAGAACTTCTCCTGTAAA
CAGCTGCCCAGGAAAGTCTATAATTT A/G 0.366 81% 98.1% 154
16.8% 196
rs2301550 9 20344796
CTTTGATGAAGAAAATGAAAGGAGAACCAGCAAGGATGATCAAGGGCAACACAAAGAAACGGAAGGCTTGTGAGT
GTTGGAGCCCTCCTAGTAACAGACT[A/
G]GAAACCTACCTTGTACATTACCACTTCTTTATTTGCTTATCTGATTTGCTTTGCTTTATTGGACTTTTCACT
TCAAGAATCTAGGGATCAAAGAGAACG A/G 0.404 85% 3.2% 156
87.9% 198
rs3780293 9 75533366
CACAGCACACCAGCATGGGAGCAAGAGAGTTTGCTAACAATGCAGAATCTCGGCTCCCACCCCAGATAATGACTC
TGAAGCTGCGCCTTAGCAAGATCCC[A/
G]GGTAGTTCAATTTGCATTATTAACATTGAGAAGCTCTGGAATAAAACATGGGCTTGGGCTCAACGGTGATTCT
TAAACATCCCTCTAGAACAAAATTAT A/G 0.353 70% 71.4% 154
1.5% 198
rs803733 9 121208924
TTTTATATTGGGTTTGGACAGACTCTTAAGGCATGAATTTTAAACCTATAGCTGGAACTTTTTCTTAAATTA
ACTTAATGTCATTGTGGAGGAGATA[C/
T]ATGATGAGAATAAACGGCAATGTTGAAAACCTGGTACAGGGGTAGACTTCCTTTTTATTAATAGGATGATTGGA
GAGACTTTAATGTTGGTTGAACTCTTG C/T 0.495 87% 12.0% 150
98.5% 196
rs4242762 10 3761541
GCAAAGATGAAAATCGTCTTCATGACTTGCATGTGCAGCAGAGGAAACCACAAGTTATTCCCTGCAAGCCGGAAG
CGGGCGGATGTTTTCATGGCCAAAG[C/
G]CAGCAGTCCCCATTTCTGTCTGTCATATTTTAGGGTAACTTGATGGAAGAGAGGGAGCAGGTGGCAGGGACAG
CAAAGCACAGGCACCTTCTAGAAACAG C/G 0.314 62% 62.2% 156
0.5% 198
rs7349 10 31821911

TCAAGTCATTTTACCTTTACCCAGTTTTTAATATAAACTTAAATTTTGAAATTCACTGTGTGACTAATAGCATG
ATGCTCTGCAGTTTTATTAAGAAAT[C/
T]AGCCTAACCATACAACCTCTCATTTCCCTTAGTAAGCCAAATTAGGATTAACCTTCTATAAACAGTGTTGGGAACA
ATGTTAACATTTTGTGCCAATTTGTT C/T 0.567 92% 6.1% 296
98.4% 322
rs2394931 10 74010668
GCTCCTTTCATGACTTAAAACAATTTACTTTATAAGTTTGTATTTATTTAGCAACTTCTCAGGAACTCATTAAAG
AAAGTGAAATTCACCAATACAAATA[A/
G]GTAGGTGTACCCACGACTCAAAGGAACCTCATTTTCCCATTGTTTTTCCCTGAAGAGAAGGTAATTGGCAAG
CAATTAGGTACCTTCCACTCAGCAAAG A/G 0.379 83% 96.5% 144
13.9% 194
rs992528 10 117827169
ATCTTTTCTATAAATTGGCAAAAATTAACAGAAGGATTATGCCAGCATTGGTGACATTAGGGCAAGAGGGCACA
CTCTTATGTTGCAATATTTTGGAGAG[A/
T]CTCTTTCAACATTTTAAATCCTTAACTTATAACCTAATAGGTACTACTACGTGCCAGCATAGGTTGTATGAAT
GTTTGTGAACAAGAATGTACTATTATT A/T 0.34 79% 93.3% 240
14.6% 274
CV2431878 10 134811257
AATTGTTTATAAAGATTAGAAAGATAATTTTAAATTGGGGAAGTAAAATATCTCCTTTTAAACGAATGCAAACAACA
CAAAGTGGGTGAAGTGAAACTGC[A/
G]AGTCCCAAATTCACCCTACAAAGGCAGCTTCCATATTTTAAACCCCATGAGAAGGAAAGATTCTGCTAATTC
TCTTTTATTATTTGCAGTTTTAATTT A/G 0.278 71% 17.9% 156
88.8% 196
rs905552 11 19060468
CCTGACACAAAGCAAGTGCTATCAAAAAGATCAACATTGTTATAATAACTATTATTATTGTTGTTACTCTCGCTA
GGGCTGAGCACTAGAAGAGGGAGAC[A/
G]GGGCTTCTGTAGCTCCGAGTCTGCTAAGCAGGAGCCTGATTTGCCATGGACAGGAGTTGACTTCAGTCCTCA
GGCTTGTGGGGTGGGGGCAGGGAGGAC A/G 0.331 65% 33.4% 302
98.8% 332
rs680273 11 64314995
ACAGTTTAACTCCTCCCAAATTGCAGAAGTGAAAGGCCAAAAGCTAGTATTCTAGAGGTTAGACTGGCCCGACTT
CTTACCTCCAACAGGCATCGGCTA[C/
G]ATCAACTAAATTCTAATCCCAGTTATCCAGGAAGCAAAGAAGGTTTGTAAAAAATTCAACCTTTGGAGGAATT
GACTGGTGACCTGTAGACATATTATTA C/G 0.42 84% 9.0% 156
93.4% 198
CV1559252 11 105661311
ATTTTTAGTTTTTCAACCTTGTAGGATACTATAAGAAGATTGGGATAGATACTGAGTGAGCCTCAGAAAATCAGC
TGGATACACCCAGGCAAGTACTTG[G/
T]GCTAAGTGATAATTCAGATACTACAGAGAATTCAAAGATAAAGTAAGCCAGATTTTGTCAAGAGCACCTGTCT
GTAATCTAATAAAGGAGAAGAGACAAA G/T 0.407 77% 21.8% 156
98.5% 198
rs959354 11 129547233
TGCTCATATCCTAAGTGGCTATTAGAAGATAAACAGGAAGCGTGCATTCCACCTATAGGAAGCATTCTAATATCA
GCATGGAAGGCACCTTTCTCTAAAC[A/
G]GAGCAGCAAGAACAGCAACTCTCCTCTACCAAGGTCAGACACTGCCTGAGCAACATCACTCGAGTGTGGCGC
TCCGAAGGATAGTATCCAAATACGCAG A/G 0.276 73% 9.5% 148

82.0% 128
 CV25605275 12 6839002
 GATAAGCTGGAGAAGATCTTCCAGAATGCCCCGACGGACCCTACCCAGGATTTTCAGCACCCAGGTGTATGTAACC
 AGGTCCTATGTAGGAAAGCTGTTGA[C/
 G]AGTCATGGCCGTATACCTTCCTCCTCCCTGACCGCCTGGGGGGCACAGCACTTTAACCCCTGGCCTTTTTTTTG
 TTTTGTGTTTGTGTTTGTGTTTGTGAGACG C/G 0.345 80% 6.4% 156
 85.9% 198
 rs7957445 12 51694847
 AAAGCAACCTTCAGTTAAACAAAGGGGTACATCAAGTTTGATACTCTTGGATTA AAAATCAGGTGACAATTGGAA
 CATGGAGGAGAAATTCATGATTATA[A/
 G]AAACCATGAAGCCAATCTTTTTTACAACAAAGCTGCTTGTGTTTTTTCTTAATCATGTAGTGGCTGCTATCAGG
 CCAGTTCTGGAACCTCACTGAGTCCCT A/G 0.424 80% 81.8% 154
 2.0% 198
 rs2307220 12 78488342
 ACTATAGCACAAATTCAAGTATTCTCTTAAATTTATATTTAGTCAACTAAAACATGACAGTGACTTTATAAGAGCT
 TTCCTTTTTAAAAGGTTGCTGTTATA[A/
 C]AAAAGTATGACTCTATTACTCTAAATGCTTAGAATAAGTGGAAAGAACAAATGACAGTAGACAAAAACCTTTA
 TGAGTGAGTCATCAACACATAAAAAGGT A/C 0.356 78% 15.8% 152
 93.4% 196
 CV1427295 12 123144749
 CCTGCTGTCCCCCGTGGGAGCCAGCTATCCCCTCTTCAGCCAAGAACAAAGCACTGAGCATCACCACGCACTAGA
 CGCTGGGGTGTAAGGGATGCAGACC[G/
 T]TGCCTCCCCATCCGCGGGGGCATCGTGATCTGGGTAGGGCCAGAGAGCAGGGAGAGGGCCGAAACCTAGAAA
 TAAATGCGTAAGCAAAACCTGCTAAGT G/T 0.306 60% 60.9% 156
 0.5% 198
 rs4759816 12 129808541
 GGCCAGCTGGGCTTGTACCCACAGGCTCTCCTGGGACTATGCAAAATGTTACTCGGGGTTTTCTCCTGGCGCC
 TGAAAATGGGTTCTGCTAAAATCCC[A/
 G]AATCTACCTGTCCAGGTTCCAGGGATTTCAATTA AAAACTCAAAGGAGAAGGAGTTCAGCTGTAGCTTCACGT
 TCACACTTGCCTGAAACGTTCCACTT A/G 0.331 78% 5.3% 150
 83.5% 188
 rs1335870 13 18703776
 AAATAATGAACTCCTGTGACAGTGACTTTGAATGTGTCTTTAACACACTTGACTTAATGAGATCCCTTTTCTGGA
 GGATATAAAAATGTTCCCCAGAGATG[G/
 T]AATGTCACCACTAGGGGATAATCTAATGTCCTAAAAGGGCTAATTATTTCCCTAAAACATTACAACAAACTC
 ATTACTGTAAGGACAACCCTATGAACT G/T 0.286 71% 20.9% 148
 91.5% 130
 rs895898 13 37025547
 CTGGGTATAAATGTCTCCAGAGTTTTTTGCAGTGTGTATCAAAGAGGAAGCCTAGCATCATAAACTTTCTCCG
 ACCTTTCTTCAGCATACTTCAAAC[A/
 C]ATTCCTTTAAACTATGTTTGACCTATTATTTGGTAAAGTTTCACAAACCAATAAAAATACAACCTATGCTAA
 TTTTACAAAGGCATTCGTAGTCATTAC A/C 0.28 72% 82.6% 144
 11.0% 100
 CV3118425 13 70078521
 TTATTAGCCTTTCATCCATTTAAGAACTTAGTATTAATTGAAATCTATTGGGTAGCATATTTATATTTTTTACAG
 TGAGATGTATTTTTAATAACAGCCT[C/

G]CTTAATTGAAATCCCAACAAAGATAGCATATTTGCAAATATTCAGATTTGAAATAATCAAACAGTAAGACAT
 AATTTCCAGTTTGTGGCTATTTATT C/G 0.368 82% 96.8% 154
 15.2% 198
 rs913607 13 104608805
 GCCATACTTGCTGCCATTTTCTGCCTCTCCTCTTGCTTCTCCAGAATGAGAGCACATATTTTGTGTAACATGTA
 TCATGACTTCAGAGAAGAGCGACTT[C/
 G]TTAAAATAGCATTTGATAAAGCAGGGATTTGGGCAGCAAGTTGCTAACTTGCTTTTGTACATTTTGGGCTCCA
 GAATTATAACTTTAAAAGTTAAGTAGG C/G 0.28 70% 20.0% 150
 90.3% 196
 rs1956485 14 24853518
 GCTGAGTGAAGGGAGAGGCAGGCTGAAGGACTTTGAGTCCTGGTCCATTCATCTCAATTTTCTAACTGAACAAC
 CCACTCCCCGACTAGAAAAGTCCTC[C/
 T]CCTTAACTGGGCTATAGCTACAGTCTACAGATAATGCAGCCACTGGATACTAAAAGCCACTAGGTGGCATTG
 TGATTTATTACTTTGGAAGCTGAGATT C/T 0.286 72% 16.2% 154
 88.4% 198
 rs8009244 14 53633793
 CGCCACTGCACTCCAGCCTGGGCGACAGAGCGAAGTCCGTCTGAAAAAAAAAAAAAAAAAAAAAAAAAAGAAA
 GGCATTTATTACCCATCTTAGCAAG[A/
 G]GACTTATTATTAAGATCATATTCTTACACTTCTGTTTTAAAGGAGTCCAGGTGTAAGTGGGTGTCAAAAAG
 CATTGGCACTTCTGGGAGTCATAGGTG A/G 0.441 86% 7.9% 140
 94.1% 186
 rs3825663 14 88419790
 CATGATTTTCAGTTCTTTGGGCGAGTCCGTCATTGGGAGCAGAGATGTCTTTCTCCTTTTTGATCACCCTTTCT
 CAGCCTGCTTCTGCGGCATTTCTGG[C/
 T]TGCAGCTCATCATCACTGCTGGACAGACACCAGCCGAGGTCCTCCTGGGAACCGCTTTTCTGCCTTTTGGGAG
 GTAAAAGTGAATCTGTATTGCTGAATT C/T 0.337 79% 92.2% 154
 13.6% 198
 CV25995662 14 103902599
 GACATATTGGAAGAAATATGGTGGCTTAAAATGCCAACCCGGTTAGATGGAGAGAGGCCAGGACCAAACCGCAG
 TAACATGGTAAGGGGGGGGACACCC[A/
 G]CCCTGCCTGCCATGAGCCTGTCGGCCACGCGGTCTCGGCCCGGTCATGGCGCTGTGTTGGGGCGGTTGC
 GCCCCTTCCGAGAGTCCCCACGGCC A/G 0.415 86% 3.2% 154
 88.8% 196
 rs2714758 15 23026698
 CCACAGGCCCCAGGCCAGTGTACGTACGCCAGGTGCTCAGCCCATGGTGTGCTGAAGCTCTGACCCTTCTGACT
 CCGTGGTCTCCTGCACTGAGCTGTG[A/
 G]TGACCATATCCAGGTCCTGCTAGATGCATGCGTGGGAGGCAGGGTCCCTGGGTTGGGTCAATGATGAGAAC
 CTTGTATTATCTTGAAGAGAGGTGATG A/G 0.475 90% 2.6% 156
 92.3% 196
 rs1426654 15 46142540
 CTATTGTGTTTAGTTGTAAGACATACTTTTCACTTTATTAGGCATAACAATCATTTTATTTATGTTTCAGCCCT
 TGGATTGTCTCAGGATGTTGCAGGC[A/
 G]CAACTTTTATGGCAGCGGGCAGTTTCACTCCTGAATTAGTTACTGCTTTTCTAGGTAAATATTGCTCCTTATA
 CTTCTTGCTTACTCAGTGTGATTTTTA A/G 0.583 96% 1.3% 156
 97.0% 198
 rs1374092 15 70524246

TTAAGAGCCTCAACTTGCAAAAAGGGAAAAAACAGAGGGGAGGGAGTATAACTTGATGTTGCTAGTGCCAAATAT
TGTTTCTAGCCACAAGTTCCCAAAT[A/
C]TGTTATTGGTTTATCAAAAGTAACTATGGTAAGTTTTGTAAAACAGATTCCTAGTTTCCACCACCATGTTTT
TATTTAATATGGTTAGGGCAAGGGCTC A/C 0.328 77% 8.2% 268
85.6% 306
rs188324 15 93430273
CAAGGATGTACACCAAGGAAAATATAGATTAAGATGTGAATCCAAAGAAAAGAAAGTCACGGATGGAACCTTGAG
AAAATACAATTTTAGATTAGTCATG[A/
G]TAGTAGACATCAGATGCAGGGAGTTAAGTTGCGAGAGGATAACGGAGATGTGGCAGAGTTTAGAAAAACAAGT
CATGCTAGAAGCCTTAGAGTGAAAAGG A/G 0.287 64% 66.9% 154
3.0% 198
rs1557519 16 14217742
ATCACTGAGGTTATCTGATAATACCACTCAAAGTACACATCAGCATGATCATGGAAACATAATCTGATCAAAAT
CTCTGTGGTCTGGCTCCCAAAGTC[C/
T]GTA CTCCCTACTTTTTAGCCTTGGCCTAGTGGTTAAGGTTCCACCTTGGTTCACAGGGCCACCCCTTACT
GCCACATGAGCTATTGTGTGCCTGTC C/T 0.394 84% 93.6% 156
10.1% 198
rs7201030 16 76303319
GCAACTTCAGGCCACTATTAACCGTGCAGAGCACTGTGAACAGGAGTTTACTTATTACTGCAAGAAGTCACGGCT
GGTCAATAAGCAAGGTAAGTAAACC[A/
G]TGGTGTCTGTCTTGTGACACATCACATCATGCCTTACTCAACTAGCTCCTGAGAATTTAAGTCTGCAAA
GTGGTGGTGTCTAGCCACTGAGGGTAT A/G 0.445 85% 89.0% 154
4.0% 198
rs3764278 16 84913563
TGGAGGGGGCTGGTGTGGCAAGCAGCCGAGTGTATAATGCCATAAACTCCTTGCATCTTGGCTCTAAAATC
CTGCCGGGAGAGACCAGGGTGGGT[C/
G]GGATCCGATGGGAAAACACAGCGTGGGTTGGGGGAGTGGGATGGAAAGACGGTGGGGACGAGAAGCCCCGAGA
CAGCTAATGCTCATGGAACCCACGGT C/G 0.266 71% 85.3% 156
14.7% 184
rs959071 17 19304375
CAGAAAATATCCTGTGAAAGAAGGGATTGGAACAGGGTGTAAAATGATGGGAAAAGGTGAATTTAAGAATCCA
AGCTTCCTCTCATTATGTAATATAA[C/
T]GAAGATTTGGCAGAAAACGTGCCTCTTGTAGCTCTAGATACAGAATTTTAGGTGCTGACAAAATCTTATGCTG
AATCTGGCACAGCAGTGATTGAGTTAG C/T 0.382 80% 14.7% 156
94.4% 198
rs8082034 17 54341213
ATGTATGTAATCACTTGGCATATTTAAAATGCACCCTTCCCCACTTCCATGACTTTATCCATCTATCTACCTCAC
ACATCACCATTATTTCTTTCTTAC[A/
G]AATCAGAATTAAGTGGTGAAGTACCCATTTATGCTTTTCTTTTCTTTTCTTTGAAAAATAAAATTCTCAGAACT
CAGATCCTTAATGTGTTATTGGATAGT A/G 0.437 83% 14.1% 156
97.0% 198
rs1478785 17 73819988
GGCTTTTCTCTGGGTGAGCTTAGGGACTTCTGGAGGCTTGGGGCTACCATATACATAACTGTTTCCATTTTCCAG
GGATGTTTCAATTTAAAATAACATCGC[A/
G]GGAAACTACTTTGACATTTAAAATCTAGAAAAAGCCAGCAAGCCTGTTTCTTGGCACCTAATGGACACCTTAT
GGGATGGCGTGTCCAAGAGTCTCACT A/G 0.401 75% 24.3% 288

98.8% 326
 rs1941141 18 7620982
 CAGGCATATAGTGTAGTGTCACGTGAGCCAGTGGTAATTTACATGGGGACCCTTAGGTTGGGTTGGCTTATGTGC
 CATGTGAAAGTGAGAGCCTGTGCCC[A/
 G]GGATCTGATTTCTCTTTAATTGAGTATCAAATTAATTCAGAGATCCCGGGGACTACCGGCCAGAAACATTT
 TCCCTCATCCTGATTTGCTTTTCTGTT A/G 0.408 79% 18.5% 146
 97.4% 196
 rs4436849 18 28807433
 GAATTCACCTATGACATGTGCTAGATCATTTGGAAATTTAATATAAAAACCAAAGAAAACAGTGGACGTTTTAT
 CAAAACAATGTACATTTGCCCTTCA[A/
 C]CAGTTACCGTAGGCACGCCATACAGAATTATTATAATAAGGCATTTTCAAAGGGATAAACATAAAATTAACAG
 TAAAAACAGTTTCTTAAAAATCCCAA A/C 0.308 74% 0.6% 156
 74.7% 198
 CV1616421 18 65899322
 AGTTTGACTCAAGAACAAGACCAATGTTTGTAATATCCCTCTGAAAAGTTAGTGTCTGAATATAAAAGAGCTG
 TGACACACCAAAGACTGACACAGCA[A/
 G]GAACTGGGTTCTCATATCCAGCAGGGCCCTGGTATCAAGGCCCTGGTAGGAGTGCTAGATGTCAAGGGAAGA
 CAGGCCGAGATACTTCATCTGCTCCTC A/G 0.344 79% 7.1% 156
 86.4% 198
 rs740450 19 1262716
 GAGGCGGGCTTGGAGGTCCACGGTCCC GCCATGGATGCTGCAGGGGCCACTTAGGTTCAAGCCCTCCGAGGGCTC
 CCTGCCACCCTCAGGAGCAGCCCAG[C/
 G]CACGGGGCTTCTCAGCTCACGCCTCCCTTCGGCCACCAGGCCTTCCCTCGCGCCTGCAGTGGCCTCACCGCAC
 TTCTGTGGGGTGACCTCCTCCTCCCA C/G 0.316 77% 95.5% 156
 18.9% 164
 rs2900918 19 13366333
 TTCATCAAGAAACAGTTGGAAGATCTCGAGGACCAGGTGAAGGTTTGAAGCAGGGTTGGGGTGAATTTAATAAAG
 TGTTGATTAACGTTGTCAGGGGAT[C/
 T]CTGAAGACTCAGCTTAAGAGGATACCTGCAGGAAAGAAAGGAACTCTTCTGCTTCTTCTTGAACAATTTT
 GGCTTTAACGACCATTTCCCCACAAGG C/T 0.314 76% 96.8% 156
 20.7% 198
 CV2829408 19 47115315
 TCCTTAACACACAGACCCACAGAAAACACACAGAAGCACACAGGGTGACACCAGAAACAGCTTCACACACAGACT
 TCGGCACAAGTTCACAGAAGTTGCA[C/
 G]ACACATGCGCCATCCAACAGCCACACATAAACATGCAACCACACAAACATACACAATCAAACATACACAAACA
 GTCATCAGTGCTCTTTAGGGCTGGACA C/G 0.36 81% 94.2% 156
 13.4% 194
 rs6034866 20 17598728
 TGGCTGGCCAAGTTATCCACAGGTAGGGCCCGTGACCCATGTGGACCCTTGACCTCACGACCACCACTGAGGCCT
 CTAGTTGTGAGTCAAGGCAAGCTGG[A/
 G]GACCCAGAGGCCACCTTCTATCTGGATGTGTGACCACAATCAAGTCAGGTGACATCTCTGGTCACAGCTTCAT
 TTACCACATGGTAGCCAGACAGTCTCT A/G 0.453 87% 91.7% 156
 5.1% 198
 rs6013031 20 50160013
 GCTGCCTGGAGCTTCTTCCATCCACCTCCATGCCATCCCGTCCCCACACAGTCCCCTCTTAGCCTGCTTGTCT
 GCTCCGGGAGCTGCCAAGAAGTAGC[A/

G]ACTCCAGCCCCTGGGCCAGGCTTAACTCTGCTGCCAAACCTCCACCCCATCTTCATTATTATTATTCAAG
TTAGTACAGTAATCCCTGGTATCCATG A/G 0.331 68% 29.9% 154
98.0% 198

rs6062548 20 62112041
CAAGGCCAGGGCTTACTCTCCCACAAGACGGGCCTTGGGGTGGGGCAGCCACGTGCTTGTGGCCTCAGCCATG
CACACAACATGTCCAGACCTGGGAA[C/
T]CTAGAGCCTAGGGCCTTTGCCACAGCTGGGACACCCAGTGGTTGTGTTCTTGTGTACAGGCGGGACCC
TCGGGAGGGGCTCATGAAAGTGGGGGA C/T 0.44 85% 88.5% 156
4.0% 198

rs183564 21 16561693
ACATGGGTATGAAAATAATAACATGGGAAGATGGTATCTATCATTTGACGGGCTTTCATCAACCCTGTATGATA
CACTCCAATCCTATCATGAGCTCTT[C/
T]GAAAAGGATTTAGTCTCTTTTTGTCAGATGAGGATAACCCAGACATTTAAGGAGCTGATGTTTTCTCAATTC
CAGAAAAGAATTGGAACCTCAAATCTG C/T 0.313 75% 1.4% 148
76.5% 196

rs2064056 21 35515504
CCTAAGTTTCTTTATTTTCGGAACCTAAGCAGAATTACTTGTTCAGTGAATACATTTGTGGACCACAGCAATGGGG
AGAAAGGAGCCTGAGAAAAGTGTTC[C/
T]TCCGGCCCTTGAGGTCAAAGACCTGTAGGAAGTGGTATGGCAATGACCTTCAGTGACAGCAAGCCCGTGATGT
GACTTCAGCAAAGTGGGATGGGCCATT C/T 0.421 77% 21.8% 156
99.0% 198

rs4821667 22 36073120
TGCGGGAGCCACAGCAGGGGGAGCGGAGTTAGCCTCAGCTGGCTCAGCGGCTACGAGGTACGCCCGGCAGCCTGC
ATTATTAACCATCTATCTGGCTCC[A/
C]TCCAGGGAGATGCTGGGGTGGGGCAGGCTGCTGCCTGGGTCCGGAACCTGGGGCAGCCGGCAGCTCCTGGGA
GCTGGAGTACCGGCCTCATGGCTGG A/C 0.373 75% 77.3% 154
2.6% 196

CV506952 X maps in Celera R27 assembly but not in HG16
CATCATCCCAGCTACTTGGGAGGCTGAGGCAGGAGAATTGCTTGAACCCGTGAGGCGGAGGTTGTAGTGAGCCAA
GATCGCACCATTCACACCAACCTG[C/
G]GTGACAGAGCAAGATTGCATCTCAAACAACAATAATAATAATAAAAAACCTGATATTTGGCTGGGCGC
CGTGGCTCATGCCTGTAATCCTAACAC C/G 0.33 72% 24.0% 77
96.0% 174

rs5955757 X 18735265
ATGTGAAAGTAAAATGGTTTGGGGCAGTTGGATTATGCTTCGCCCTCCCCTGTTTATTACCAGGTGGATGGAA
TGGATATCCTGTGCGTCCGAGAGGC[A/
G]ACAAGTTTGTGCTGCCTATTGTAGATCTGGGAAGGTAAGGCTCTAAAGCCCTCTGGGCTAGTGACATTTAT
CTCTGGAAGTTCAAAGACTGCCTCCCA A/G 0.567 95% 2.0% 204

96.5% 260

rs1414370 X 62316546
ATGATATGAAATATCTGTGGTTTCTTCTGGTAAACCAAATTACATGAACTGGTTATGCTACTGCCATTTGATACCT
GCATTCATCCTTGAAGGAAATAGTA[A/
C]ATTTTAGTTAGAGGTTAGGGGGAAAAAAGGTAATTGTCTATTCATCCAAGTTTCTGGACCCCTTGAATTCTAT
CTAAGGCCCTCTTGGTGTCTGTCAATC A/C 0.523 94% 100.0% 77
6.4% 172

rs992864 X 109264554
GTCATTCATCCCAGTGTTTTATGCCTCTGCTTAAAACCTACCTAAACACTCTTCACTCTTTTGGGAAATTTACTT
ACCTCTTAGCTTTTGGTTCCAGGAT[A/
G]AATATCACTAATAGGCGTTAGTCTGCTCAATTAATTCAATAAATATGAATCAATCTTACTATATGTAAGC
ATCGTGATATGAAATACGGGAAATAAA A/G 0.455 88% 94.3% 159
6.7% 240

rs1908816 X 131686662
GTTGTCTTTATCTTGTCTCATATGCATATACTCAGTTATATGTATGTATACATATAATTTGATTGGATAAATCCA
CCTAAATTAACACTACTCTTGGCTTTT[C/
T]CTTTGCCATGTGGCTGGAGGGTCCACATATTTGAGATTTCAAATAAAGAACATTTAAGGTATCAGTGGAAAA
AACTTAGGAAAAAATCTGTTATCTGT C/T 0.442 82% 16.0% 187
97.8% 229

rs764536 X 146665076
GAGTTATTTCCCTTAATCATTTGACAATTAGGAGCTGACGTGAAGAGATGAGTAATGAAGTACCCTCTGTGATTGT
ACTTTGGAGGTAGCCACAGGGTTT[C/
T]TTATATCTAATCTGCTGTAGTTGCTCTAAGAAGCTGAAGGGAGACTGAGAGGGCAATTCCAAAAGGAATTCT
GCCTTTCCTCATCACTTGAGAATGGAA C/T 0.494 89% 7.8% 153
96.6% 236

European-Amerindian comparison

SNP_ID Chromosome Physical Position in HG16 FASTA sequence,
length 201bp (variant whose frequency is quoted is given to the right of
the '/') SNP (same direction as FASTA; variant whose frequency is
quoted is given to the right of the '/') Entropy (50% European, 50%
Amerindian) Delta (56% average) European Frequency n
Amerindian Frequency n

rs1240709 1 1289239
GCCTGGGGGGAGGGAAGGCCTAGGAGAATCCTATCTGGGTGGCACAGCAGAGGACTTCCAGGCAGGATGCTGAAG
GATAAATGTGGACACGGGTGAGGGA[A/
G]GCACCTGTGGAATCTGCAGGGAGGCTGGACTCCAGTCCTGATGTGCGCCCGGGGAACCAACACCTTGTTTCAG
GGTCTTGGTCACCACCCTGACTGAGC A/G 0.366 69% 20.6% 262
89.7% 58

rs1498111 1 35069270
CTCAGAAAAGCACACAATTTAAAAATTAATAACTCTGAGATTGTGGTTAACCATGGTTGCAGATAAGGGGATATT
ACTATATTGTTATTTGACTATACTT[A/
G]CTTGTGAAGCGATGTGTGACTATCTCATAAACATCATCTTATAATTCGTACATACAGAAGTTGAAATACAAA
ATGCTATGTCTGAAATCCAATCAAGAT A/G 0.329 62% 3.9% 128
65.4% 52

CV1766307 1 64759206
ATCACATGGGGACATTTCCATTGGTTGCTGTGGTGACTATGTCACAAATTAGAGTCCCTCTGGCTAAGATTCTCA
GGCCCAGGGTGCTGTGACTAAACCA[C/
G]TGTAACCACTTCACATCTACTCATACTCCCATTTTCTAAAACCTCAAACCACCAGCCAAAAACAACCTTTA
TTCAAACACAGAGTTTGAATCAAGGC C/G 0.25 59% 79.9% 154
21.4% 56

CV2696375 1 144567591
TAGGGAGTGCAGGGTCTCAAAGCAATATTTCACTTAGTCACTAACTACCAAGATGGATATGATGCTGGACCACC
CCTAGAATCACGCTCTTTGGTCCCA[A/
G]TATTGACTTCTGAATTTAGAAAGAGCCAGCAGAGACTCTCAGGTAAATTCTGCAACTGCTTTCCACCTCTGA
ATTTGGGACAAATCCTCCTCTTCTCC A/G 0.308 62% 9.0% 156
71.4% 56

CV1776485 1 175191361
TTTATTTCAAACCTTAAGCCTATGGGTCACACTTATTTCAAGCAATTTCAATTTCTTAAGAGTCAGGCTGTTGTG
TCTTTGCCTCTCAAAGTCAGCAGC[A/
C]GTTGAAAAGGTAAGTCTGTTCCAATCAATAACCATTTGAAAACAGAAATAGATATTTAAGATGAGTCTGTGTGGA
ATTGCTCCTTTAAGACATCTTTCTCA A/C 0.198 52% 69.2% 156
17.2% 58

rs2065160 1 201968410
TGCTGATCAAAGAATTACACAGACATTTATAGTCTAAGACAGGCATGAGAACATCTGAAAACACATTGTAAAGAA
TGGCCTCTCGATGAGTAAATATGGG[C/
T]CAAATGAAGTAAACAGACTATGCGTAGGTATCATCAAATATAGAGAGAATGAACAGACCGAAGAAGGGAAATA
CAAAGAGTTTTGACGTCCTCACAGCCT C/T 0.465 77% 89.6% 288
12.5% 56

rs4348732 1 227425032
ACTCCAGTCACTCACCTAGTCAGTGGTGATAAGGGCAGGTACCTGGTTGGAAGGTACCTGTGTGTACAAAAGGC
GCACCAGTCACTAAGCTTCGACT[A/
G]AGTTCCAATGCTCAGGGCAGTCTGTGTGTTTAAGTAGGTGTGGGTAGTGCCTAGACCTACACATCTCATTCCCT
CCTGCCGGTCAGTTCTGTGTTGAAGCA A/G 0.258 54% 57.1% 156
3.4% 58

rs2185073 1 243160065
TTCAATAGACGTAGTAAATACTGAACAAAAGTAAACAGAAGTTGACTATAATATCAAAAAGCAGTACCATTTAGT
ATTAGTCTGAAAGCAACTAGTGAAC[A/
G]CATTAAATATAACCAACAAACAACCTTTACGAAATACTTAGAGATTAGGGCCATAAACTACAAGCTAGTGTTT
TTTTCACTTTGAAATGAAAGATCAGAG A/G 0.191 51% 78.8% 156
27.6% 58

CV2130458 2 26198082
GCCCAAGAGCTGGGAGCAGGTCCCCAGTTGGAGTCAGGAAACCCTAGCTCAGGCCTGGCTCAGCCACAATATGC
CGCGTGATGCTGGACCTCTGATGCC[A/
G]GGACTCATGGTGACTTCACCCCTCTGAGCCTGTGCCCTTATATGCCAGCAAGGGGCAGCCCTGCCAGCCAC
CCACACAATGATGGTGTGAGGAGCAA A/G 0.307 58% 40.3% 154
98.3% 58

rs870168 2 49971752
AGGCCTAGTCAATTCTCTAAACTGCCTAAGCTCAGGACCCATTTAGGCAAGAAAAGGTGTTTAGCTTCGTCAGGA
GTTTGTAATACCCCCAGCACTTCCC[A/
G]TTTATGAGAGAATTGAAATCTAGGCTTCTACTATAAGATTTCCACAGGTTCTTTTTTCTTTTATTCAAGAAG
TATTATCTGGGGGAATTGAATAAAATT A/G 0.145 44% 61.3% 310
17.2% 58

CV1961968 2 80288889
AAAGGCAGGCTGAACAGTGGGAAGGCATTTACAGTGAGTCAGCAATTATAGCCTTGCAAATTCTAATTGTCTAC
ACCTTCAGGGTGTAGACAGTTGTGT[C/
G]ACTTTCTATGTATATCCTGAAATGAGTGAAATAAACTGAAAACCTAAGTGATATAGGAATACACAGGTACAG
AACATCACTGGACAACCTCCCATCAAGT C/G 0.233 55% 32.5% 154
87.9% 58

rs182549 2 136827523
GGTTTTCGCCATGTTGGCCAGGCTGGTCTCGAACTCCTGACCTCAGGTGATCCACCCACCTCGGCTTCCCAAAGT
ACTGGGACAAAGGTGTGAGCCACCG[C/
T]GCCCAGCTGAGAATGCTGTTTTTAAGGACATCTTTTTAATGGTAACTTATAGGCCTTTACTGATAGGGTAGGG
GTATTCTGACTTCTTTATACTGAAGAG C/T 0.349 65% 67.9% 156
3.4% 58

rs4894141 2 181039569
TTAATATTAGTGAATAAGACTAAGCATGACTTTAAAATTCTTCCTGTTATACATGATATTAATTGAAATGAT
AATATATATCTGAAGGAAACTTTTG[A/
G]GTATGAGCAAGGACAATTTTAGCATTTTCATGGTTAAATAAAAGCTAAATCAAAACCATCAAATAATGAATAT

AAAATAAACACAACTGAATAACAGCA A/G 0.32 64% 70.4% 152
6.9% 58
rs1000141 2 234529161
TGAGCGTAATTTGAGCATTGAAAAAGCAGAAACAGCATTGTAAAGATGGCTGGAATAGGAAGAGGGCCCTTGGG
GTTGGGCTCAGAGGATGGACTTTTT[A/
G]TGTTTGTGCAGAGCTTGCCAAAGGACTATGCCAAGGCTCTGGGGCCACTCCCCAGAGCTTCAGGATGTGGGT
TGGATGGTGGGAGCAGCTTGGGAGTC A/G 0.272 51% 48.8% 256
100.0% 58
rs7648958 3 15596147
CTTTCCAAATTTAGAGAAAGACAATTTAGAGAAAGACATAAATTTAAATATTCAAGATTTGAGAATCCCCAAAGG
CTAAATTTAAATAAACCATTTCCAG[A/
G]CACATCATACTTAACTGCTGAAAACAAAAGACAAAAGGAAAATCTTGGGAACAGCCATGGAAAAACAACATAT
TACATACAGAGCAACAATAATTTGAAT A/G 0.174 46% 87.8% 156
41.4% 58
rs3796384 3 64484055
CAGTTTTTCAGAAAATCAGAATAGACCTGACCAGCATGCAGATAATCAGTAAGTTAGTGAGGAGTCCTTTGGGAAC
GTGTGCGTTCTTCTCTCCATTCAGA[C/
G]AGCAAGCATGTCTTGCACATTGGCTAGCAGGGAGGTGCGTATTGCACATTGCACATTGCACATTGGCTAGTAT
GGAGAGGAAGAACATTGGGAGCTTACA C/G 0.395 72% 84.6% 156
12.5% 56
CV74522 3 115485057
ATGTTGTTATAAATCCTTGCAATAGTAAATTCTACAGTTAATTATAACCTATAGGAAAAAGTACTGTCCATATTT
AGAATTGATTGACTCTTATTTTCCA[C/
T]ATCTGTAAATTTTGCACCCAGCTATAGGGCTTTAAATAGCTCCATAACTTTAATCATTAGCCCCACTCAGT
CATGACTTCTATGTCTCACCTTCTGA C/T 0.271 60% 72.1% 154
12.1% 58
rs6793735 3 143729515
ATAAACTGGGCTGCAAACAGTTTGTACTCCTGCAGATGTGGTTTCAGGCAATCCTAACTTAATTTAGCTTTTG
TAGCTAATTTGTTAACACATACCC[A/
G]TGCCTGCACAAGCCGAATAATAATGACATCGATATGAATTTACTGGAAGGTGCGTTCTTTCTGCCTTTAATTG
ACTTGCTATATTTATCTTCTTATGGTA A/G 0.213 54% 30.9% 152
84.5% 58
CV380397 3 184121905
ATAAAAGTATGTCAAATGGCCACATTAAGAACAATTCTAGACTTTTAGAAAACCTTTTCAAATCACTATACAA
GTGTTATTCAATGTCCTTTACTAGA[G/
T]GGCCAATAAGTTTCTTCTTTAAAGTCAACATTAAGGAAGGTTTGCTCTCCTAATCGGCAAGTATCTTTTTAT
TAGAGGAGAACTTTGTAAATTATAACC G/T 0.21 54% 20.4% 152
74.1% 58
rs4677637 3 195794436
GTATCTCTGGGTAAGGTCCGCATTGCCTGAGCCCCTTGTGAGAGCACCTCCAACGTATGGGCAGTGGCTATGTCA
TCAGTGCCCTGAAGGATAAAATGTC[A/
G]CCTTGTGGTGTGAGCGTGGGAAGACAGCCCTAGCAAGAGGCGGAGAAGGCACAGGCCTTTCTGCGTTTGGGTGT
CTCACAGGTCCGTCTGGCTGCAGTGT A/G 0.171 49% 27.0% 152
75.9% 58
rs878544 4 5397100
TAAGGCCTAGACTTGGATGTCCATAACCCACTGCATTCAAGAGTTGCAGAAACAAGCTCCATATGGAGAGCAG

CATGCATATGCAGGGAATGGAGGGA[A/
 G]TGTTTTGGGAGGGGAGTGTGTCTTTGGAGGCTAGCTCCTACGAACAGTGACACCATCTAATTAAGCACCTGCT
 AAAAACGGATGAAGAAACATGCTGGAG A/G 0.285 55% 3.3% 152
 58.6% 58
 CV37329 4 22808421
 TTTCCCCACCTATTTTTTTTGCAGAACTTCTAAGTGCTGCTGTATTTACCAAGCTCCAGTTGATATCCAAATT
 GGACAACCTCTGTGTGCCAGGACAA[G/
 T]GTGCTAGGCTTGCTTTAAAATGATACATACAAATAAGATAAAGCAAAGAGACTTGGCTTTAACATTGAGTAAA
 ACAATAATGTGTTTCTTAATAATAAAC G/T 0.258 56% 36.8% 152
 93.1% 58
 rs563671 4 43374262
 TAGAAGCCGGAAACTCACTTTCCAAGTTCTTCTACTCATGTGAAACAGACTTCACTAATAAGTCACACCACCTC
 AGTCTGCTCAAGAAGAAAGCAAAGG[C/
 G]AGAATGCAGAAACAGCATGGCTTTTAGCTTCTCACACAGTGTCTGGCTTTCTGAGGAAGTGAAGCAGAATTT
 CTCATATCCAGTGTCTGCCTCAGTGG C/G 0.17 48% 18.7% 150
 66.7% 54
 rs1921877 4 85421048
 GGATGACAAGTAGGAGAATACTATATGTGTGGGCTAGAAGGAAATTGAATATCATTTTCGTCATTTATTTTAGTTA
 TGAGGAAATGAATTCTTGTAAGGC[A/
 G]AATTATCTTCTCCAAGAGACAGAATATAAATAGAATCCATACCTACCCACTCTGGTTTCCATTCTACACTCAC
 TCTGGTGAGTATATCTGAAATCCAAGG A/G 0.304 64% 80.6% 252
 16.7% 54
 rs7694118 4 134527456
 GGGTCCCCCGGCCCGCACTTGGCTCTTTCATGAAGATGGGTCTGCCTTTGAGCGCTTAGAAGGAAAGGATT
 CCAGCAAAAATGGCTAATCCTTTTC[C/
 T]AGCTGCAGTAAATTGAAGACTGGCCAAAGCCAAGCGAAAACCGCTGCAGTTAAAATGATTTTAGCATCACGTC
 TGCGGCTGAGAATGGAGCGGCAGTGTA C/T 0.125 30% 2.6% 156
 32.8% 58
 CV7665035 4 185111228
 TTTCTTTGGTGATCCCAGAAGGCCTCACAAAGACTCAATAGCAGGTTATATATTAATACGTGGCTAAGATTAATG
 ACAGCAAAGGATACAGGGCAAAAGC[A/
 C]ACAGGAAAAGATGTATCAGTGGAGTCCAGAGAGGTCCAACATAGGATTCTGTTGCTCTTTGTCTGCAGCTACA
 CAGGAATTCTGTCTCTCTCAGCAAA A/C 0.258 58% 68.2% 154
 10.3% 58
 rs2278354 5 10501716
 GAGTAAGCCTCTGCCTTCTCTGTCTGGAAGGCGGGGCTGGCCTTTGGCCCCAAGGTGGGCAGCAGCCTCTGGTG
 TCCAGTGCTGTGGAGAGCCTGGGCC[A/
 C]CCTTCTGCCTTGCCTTCTTTGCCCCACACGCCATCCTGTTTTTACAGACGTGAGTTACTAGAAAGTGGGTC
 ACGGAGCAAGGCTAGGCCTTCTCATG A/C 0.395 72% 12.0% 150
 83.9% 56
 rs900379 5 44415157
 ATAAATTCCTGTGGCTTAAAAAAGAAGAAGGGAAGAGCTCTCAATCCCTAAAAGTTTGTTTACACGACTGTCATT
 TGGTGTAGCATCCCCAGCTCTTCT[C/
 T]ATAAATAGCAGTGGCGGAGCACTCTGACATGGTGAGAAAACAGCCAGCTTTTATGAATATCATATCTTCTCT
 TCCCTCCCTCCAGCTTTAGCACACAG C/T 0.173 49% 70.5% 156
 21.4% 56

rs6872179 5 77913885
AAAGATGCCAGAGATGCTATTAGTACAACAGAGGAGTGGAGGCCTGAGCCCTCCTGCAGCCCAGCAGAGATGCCA
AATGCTCCAGGGAGGAGCTTCGTGC[A/
G]ACCTTCCCGGACCACTCAGGAGAGCAGGGCTCCACAGGAAGGCCAGCAAGGAGACACATCCAATCACCGATG
CTGGGGCAGGGAGAGGGATATGAC A/G 0.207 42% 57.8% 154
100.0% 58

rs2227282 5 132089395
GGCAGACACACTCAGCAGCCAGAGCTAGACAGGCAGGTGGTAGGAGTCCAGGGCCACGGCAGGGATGGAGTGTCC
CCCCCTCGCTGCGATACCAGAGCAA[C/
G]TAAAACGTTAAGGCCTTGCCTAAAGCTGCCCTTAGGATGCATTCTTTTAAAGTTTTTCCATTTAATGCAGAC
TCTTTTCAATTCTTATTTTATCCTTGT C/G 0.385 71% 79.3% 150
8.6% 58

rs262838 5 169155589
AATATGCAAACCTTGTATCCAGTGAAGGCCTGGGCTGGCCACTAGGTAAAGACCAAGGGCTCCTCAGGACAAGAG
AAAACGTATTTATTGTTTGTACCC[A/
G]TGAAGCTAGCAGTGCCTTCTTTTAAAATAGCTCTGAAATTTTTGTTACCTAGAAGGAAATTAGTCAAACCGGA
TCCACTTCCAATGGAGAGAACAGTTCA A/G 0.197 52% 17.5% 154
69.0% 58

rs469318 5 179449668
CAGTCTGTGACGCTCCGCAGATGTCGGTGGCTATAGAGAGAGGTGGCTAGGGAAGGCGATGATCCGCGGATGGGT
GGGGAAGTGAAGGCAAGTCAGC[C/
T]TTGCCAGGCCACCATGTGCCAGGAGCTGGGCAGCCTGAGGAGAGCAAAGATGGGCCGGGAGCCTCCACCT
CAACTGACAGGAGACTGCTCACCACAT C/T 0.142 45% 70.5% 156
25.9% 58

rs2148088 6 7006911
AAAGCTCTAGATTGCCTATGCTGGGTATGGTTCTACCATTGAGAACTCTTCCACTAATTCAGTCCTATCACAAAA
ACTTGGTTTTTAAAAGATGAGCCCT[A/
C]CAAATACAGAGAAATGTGCATCATGAATATTCTTGTTTAAAAGTGTTCATTTTAGGCCGGGCACGGTGGCTC
ACACCTGTAATCCAAGCAGCACTTTGG A/C 0.208 51% 89.5% 152
38.9% 54

rs606548 6 53449515
CCTCAACGACCACAGCTATTTAAATAAGATATACTGGATGTTTTAAATTTTCTAAGTAAATGGTTTAGGCTATTT
GTGAGATTTTACTTAACAGGCTAGG[C/
T]ACCTGCAAACCACCTCACTAATATTACCCATTTAATCTCAATAACCCTGCAAGGAAGGTAGTATTGTCCTCA
TTAATAGATGACAAAATTGAAGTTGG C/T 0.366 66% 5.3% 264
71.4% 56

CV11635757 6 121635172
AAATGGCACTTCTCTCATTAAACCTCTTTTCCCTACTGCTCCCACACGCAGAGCACTCTGACCCCCCTTCTCTGT
CTCTTATATTTCTGACATGTATCAC[A/
G]GACATTTAGTTATGTGGCTTACTCCTCTAGACAACTTAAGAACTATTCCAGAGGAACTAATGATCTCACT
TCGGTATTCCTTTGCAGTGCTCAGAG A/G 0.322 66% 84.6% 156
19.0% 58

rs4305737 6 145032164
CCCTGAGACGGGAGTTAAAGGAGAAAGAATATTCTGTCCTGAATGCTGTGACCAGGCCCGAGTTTTCTTGGCTG
ATCAGCCAATTGAGGCCCTGAAGA[A/
G]CCAAGAAGAAACCTACAATCAAAAACAGGTGAGACTGGTTTCTCCACTACATCATAAAAACACATGCTAGGAG

AACAAAAACCCAAAATCAAGTAGGAA A/G 0.49 75% 75.0% 156
0.0% 58
rs3055 6 169823021
CCTCAGAAAGAATGTAAATCTTTGAGAAGATATAACAATAACTCTACCAGGTCACCAAAGTATCTGTATATGCT
TTAAGTGGCATTTCATGTCACCTTA[C/
T]CGCATGGAAGAACGCTCTCCTTTTAATTCCCTAACTCTCTTCTTCTGGGAAGACAGAACGTGCACAAGGGGAG
CAAAGCGAATGCAGGAAACCAGTGCCC C/T 0.301 63% 26.9% 156
89.7% 58
CV71829 7 1237705
AGACGGCTGGAAGTGGGACACAGCCCCAGCCACCGCTGCAAACCTGCAGGCTGTGGGATGGGGGCTGCAGGTTGC
CCACCTCCGAGACATGGCATCCTCC[A/
G]GGGTTTAATCTTCTTATTTGAAGCCTCAGAATTAATAATCAGGTATACCATGGCCCCGGCTCCAAGACACACA
CCGTGGGCCAGGCACACAGTCGGTGCC A/G 0.2 46% 5.8% 156
51.9% 54
rs2965404 7 21493818
TAGAAAAGTTTGTGGCTGCTATATGAATTGTGGTGGCAAGTTCATTAGATACTGTCACCTTTGGCACAAAATA
CTTCACAGAAGAAACATTCTAGATA[C/
T]ATGCATCAAACAGTTTTGCTCACAATGCTATTAGATTTACTAGAGCTTGAAAAATTTGCAACTGTAAATAT
GTCACATCAAATACACAGTGCTTAGAT C/T 0.168 47% 83.3% 156
36.2% 58
rs2010269 7 50864712
GGGCGCTCAGGCCCTCCCTCCTCCATGAGGTTGGTGTCTCCAGGGGCCCCAGCGCGCATCCTTCCTGGACTCGC
AAAGCCCACGCTACTGCCACTCTTT[C/
T]CTGTTGCACTAATAGCATGTCCTTCCAGCTTGGCGCTCAGCCCCTCAAGGGCTGCGGGAAACTCAAACATC
TCTTAACGTCTCATCCACAAGGCCGA C/T 0.192 51% 22.7% 264
74.1% 58
rs3808013 7 103358733
AGAAGCCTCCCATTGTTTTTAATTGCCATATATTTTCCCCAGAGGATAAAAATTGCTGAAGAGTTTATTTCTAAAA
ACAGAAAATGCTCTACGAATGTAAC[C/
G]AACAAATATGTAAGGTACCAATAGTAAGGTGTGGCATGTGGTGGCAGTAGTGTACTATGATGCTACTATTACA
ATCACAACACTACAATGACAACACTACCACT C/G 0.221 55% 27.0% 152
82.1% 56
CV358711 7 maps in Celera R27 assembly but not in HG16
TGTCAGGATTTATAAAATCAGCTCCTATGGCGACGACACAAACACAGCTCTCAAAGATACTCTCATTCTACCTGG
CATCTCTAACAATGCTAGGTCCCAC[A/
G]TACAAATAAACCAAAAAGGGCCTGAATCTCAGTTCCTGGTAAAAATCTCATCCCATTCTACTTAGCCTAAAG
GTTTTTTTTTTTCTGTTTTAAAAAATAA A/G 0.226 55% 14.9% 148
69.6% 56
CV514951 8 12730715
AGGTTATAACCTGAGCAGACAGGAATACTCACTTTGAGCAACTGTCTAGAGCTTTCAGAGCCAGCCATACAAACA
GTCAAAATCTGATGCAGAAAGAGTA[A/
C]AAAACCCACAATGTAAATAATGAGTAATTTTTTAACTGTGGTATCTGTTTCTGATTTAGGGTCAATCT
TAGTTTACAAACTGAAGCGAGAAGACA A/C 0.373 69% 9.3% 150
78.6% 56
CV25473993 8 48932859
CTCTGGTCTAACTTAGGTTTCTAAACAGAAGAGGCCACACAGTGTGAGAATAGGGACTTGCATGGCCACCATT

TGGTGTAATGATAGGTGCTGATGAA[C/
 T]TGGTCAGTGATAACTTAAAGCATATCAAGCACTTTCACGAGCCTTTTTATACCTTCCTGTGATTTCTTAATTG
 TAGTCTTTATAAGAGAGAAAAGTACC C/T 0.238 52% 6.5% 154
 58.6% 58
 rs1038545 8 91888719
 AGAATCAGTCATCTGCCACCTGAGAAGAGGCTTGAAAAAGTGCTCTACTCCCCTTCTTCACCTGCGCTTTTGT
 TTTTCTACAGTCATCCCCTGAAAAC[C/
 T]TGTGCTCTGCATTTACCACCATGCTGTGAATGTTTAAATGAACAAGTGTCTGTGTTAGGCCACAGGCTAGC
 CTTGAACTCTTGTGACTGCTGCCAGCA C/T 0.203 51% 36.5% 156
 87.9% 58
 rs2124036 8 126604723
 TTCTGCTTCATGGTTATATAGTGTGGAGAAGTCGGTCAGCATTCTATCTTCACTCCTTCATCTGTAAAATGGGC
 ATGAGGAGACAAACACCACTCACTT[C/
 T]GCAGAGTTATCATGTGAACGTGCCCTAAGAAGAGCAAAGGATTCTGCAAAGCATGGTATTAGTGAATTGGTG
 TCATCATCAACTATTTCTTCCATGGCA C/T 0.125 41% 81.2% 266
 40.7% 54
 CV375620 8 144182611
 CTTGCAAATAGTTTTCAAATTTCTACAGAAATCAGGTAGACAGAAATGTACTTCAGAGTTTACTCACAGGAGGGT
 ACTTTACCCAGTTGTGAAAAGCTGT[A/
 T]GAGTGCTGCTAATGCCCCAGTGAAGAAGCTGAGGTCAACATCAGATTTGAAATATTTAAAGTGGATACAACT
 TATTTAGCAATGCAGACAATTAAGTG A/T 0.237 53% 42.3% 156
 94.8% 58
 rs913700 9 460086
 GTTTCTAAAGAGGATCGCGTGAACCCAGCAATTGATTAAGAATCTCAACGGCCCTAATCCCCTGAGAATTGAAC
 TAAGGGCTCCCCAGCAAACACAGCG[A/
 C]TTTACATGGGGCTAGAGAGAGCGGAGCACTGCCGGGGCGGGCGGCGAAGGGCAGCGGTGGTGGGACGGGGCGG
 GTAGGGGGAGTTACTGAGCATGCGCCC A/C 0.191 50% 15.4% 156
 65.5% 58
 rs4478653 9 21843221
 TCATAAGCATGGTACCTATCTCCCAAAGTGCCAGAGTGACAGTGAGGACTTGTCAAGAGCCATTCATCTCTAGAA
 GCACTGTGAACCTTAGCCAAGCATA[C/
 T]GGTTCAGTTATTCAGGATCTTTAAAGACATTATTGAACCAGCGGGAGTGGGCTTGTTATGTCTTAACCTTTAGG
 GGGGAAAAGGGGTGGGGTAGAGATTT C/T 0.217 53% 63.0% 154
 10.3% 58
 rs1417999 9 99490515
 TCTAATCTCCTTCGCTTTAGTTCCTTCTGTGTCTCCTCCTCTAAGTCAGTGGTCTCTGGACAGTTTCCTCTGGAA
 CAGTGTCTAAGAGAGCAAGTCCCAA[A/
 G]TATCAATTTAAGAGCAATGTGAGCTGGTGGCATAAGACTCACCTGAGGAGCCTGTAAAGTAAAGATTCCTGG
 GTCCTGCACCTGAAAGTTCTGACTTGA A/G 0.22 52% 60.9% 156
 8.6% 58
 rs644490 9 121178715
 AGGTAGGTTAGCCAATAATGGAAGCAGGGATGATTTACCTTTTACTATGATCTCAATAATGTTACATTACAGA
 ACCATGTTCTGAGATTCCATTCCCA[C/
 T]CAAGCAAGCTTCTGAATACAGTTTGGCTTCCCATAAATATCTGCTAATAGAGAAGACTGCTCTCAATTACCAG
 CATCTACTTCTTAAACTAATAAAGTGA C/T 0.184 48% 86.3% 270
 38.0% 50

rs768629 10 2305845
GAGAACTATCTGAAGTACTAATGGTAGAGTATTGTCAACAATTAATGACAGGAACTAAACCACAAATCCAGGAC
AGAGAACAACAAGTAGTGTAAAGTCC[C/
T]GAAATAAGGATACCTACTTCTCACATCAAACTGCAGAAAGCAAGAGACAAAAGTGAAGTCTAGAAGGAAATT
GGGGTGGAGATAGGGATAGGGAGATAC C/T 0.17 42% 6.5% 306
48.1% 54
rs660592 10 13152273
TTGGCAAGTAAATGATACAGATGACAAGGATTTTCTCTTTTAGGTCTATTACCTAGAATTTTAGTATTCTCTGC
AAATTAGGTAGGAACACTGTTACTC[A/
G]GTAAAACCTATTTTAATGAGATGATTCTGGGTACAAAAAATGAATTTTACAGAAAATTAGAACTGATGGT
CTATTCAGATTATTTTTGTGAGAAGAA A/G 0.143 41% 89.0% 154
48.3% 58
rs3729496 10 50165794
CACGCCCCACACCAGCCTCAGAGCTCTGAGGTGCCTGGGCTGAGCTTCCCTTCAGACCAGAATCCCGCCCCGTTG
AGGCTTTGAGAAAGGAGTAGGAGCC[G/
T]AGCATTCCGGCAGAGGAAGAAAAACGGCCATCTTTTAGAGTCCGACCTCTGGAAATGTGTGTATGATGTGAT
GTGTGTGTTATTAGAGAAGCTTGCCT G/T 0.27 59% 67.3% 156
8.6% 58
rs765833 10 83545325
CCAGTTGGAAGTGTCTGTAGAGTAACTGGAATGATGGAGACAAATATTACATCATGGCAGTGGGGATGCTGTAGG
TAACTGGAACAGATTTTGATCGTA[C/
G]TGCTTCAAACAAGTAAGTTAACTGGCATCCATTATTTTACAGCAAATGAAAAAAGGAAGAAGAAGAAGAA
ACAGGCAGAAACATGGGTACGGAGGCA C/G 0.39 67% 69.2% 260
1.8% 56
rs992528 10 117827169
ATCTTTTCTATAAATTGGCAAAAATTAACAGAAGGATTATGCCAGCATTGGTGACATTAGGGCAAGAGGGCACA
CTCTTATGTTGCAATATTTTGTAGAG[A/
T]CTCTTCAACATTTTAAATCCTTAACTTATAACCTAATAGGTACTACTACGTGCCAGCATAGGTTGTATGAAT
GTTTGTGAACAAGAATGTACTATTATT A/T 0.264 55% 93.3% 240
37.9% 58
rs231357 11 2669484
CTGGCCCCACACTCACTGCTACATCTCTTCCAAATCATAAATGCAAAGATGGCCAAAGGTGCATGCTCTGTG
ACACGTTTCATAGTCAGACAAAACC[A/
G]GCTGACTGCTTTTACTTTTTTTTTTTTTTTCATTTAGAAGAATTTTCTTGCAACTCCGTCTCTCCTTAGTCAA
CATCAGCTAACTTCATCCTCCCCCTT A/G 0.258 52% 46.5% 312
98.3% 58
rs1945562 11 21564538
CACTCTTTCAGGGACTTACATGTTTATACAATCTGCTTTTTAGCTTTGAATTAATTCATATTTAATTACTATTCA
GTAACATTACAGAATTCCTGTTAC[A/
G]TACCTAGCAAGAATATAAGAAGAAAAATACATCATCTTTTCCATTAGAAATTTAATATCTAGATTGAGTTATC
ATAAAGCAATAAAAAGATGACATAATA A/G 0.26 55% 94.2% 154
39.7% 58
rs4478996 11 66664918
AACACTTGGATCCTTTAAGCCATGCTTTCCTCGTAAGGTTTCCCTATTGGAGTTTTAAGAATTCATTTTTGTTT
TTCTTAGCCAAAGAGAGCTTTATTA[A/
G]TAGTCTCACAGTATTAATAAAAATCTGAATTTGTGTTTGAAGAGTGGGCTATGAGGAAAGCGACAGAATTGTA

TGTAGTATGTGAAATTTGCTGACCTGA A/G 0.368 68% 93.4% 152
 25.9% 58
 rs590274 11 95403723
 ACAGAGCTTTGGTTTTAGAAACAGAGCCTTCTTTAGAAACAGAGCAATGTGCTCAGCTGAAAAACCACATTCCCC
 AAACCTTCCTTGTCGATGGGGTGGGC[A/
 G]GGAGGGTCCAGGTGAATATGTTCTGGCTAAGGGAATCAGATTTCTTTTCTTTCCTTCTCCTACCTGGAATACA
 GGTATGAGACTAGTGATGTGGTAGCTA A/G 0.176 48% 59.6% 156
 12.1% 58
 rs1144214 11 133721793
 CAGGTGGCAGAGCGGAGCCTGGAAGAAAGGCCAAGCCATGGGGGAGAAGAAGTCCCCTTCCCAACCCAGTTCCCA
 GTACCCACCCCAGGTGGCGTGGGCC[A/
 G]AGCCTAAGGTTCTGTTTTCAATGAGATAGAGTAGACTAGATGCGTTAAGATCAGAATCAGGACACTTGTTCCAG
 GGCCCTAGTTCTGACGCCGAAGTACCC A/G 0.126 32% 66.4% 152
 98.3% 58
 CV2663193 12 8152917
 TTGTGTCAGTGTGCATCTGGCTGCATATTAGCATGCGACCACTAGAGGGCATGCTCCTCCTAGCAACTGAAATA
 GTTGTAGGAATTTGCTCAGACTCCT[C/
 G]GTGGCAGGGGAAGCATTGTTTTTATTTTTATTTTTCTTTTTCAACAATCTAAGATAGGACGAGAACAGGGG
 AAGCATTTAAAAGAAAGAAATGAAGA C/G 0.239 56% 31.7% 142
 87.9% 58
 CV11287912 12 54471828
 AGAGCAAGACTCCATCTCAAAAAAGAAAAAAGAAAAAAGAGAAAAAAGAAATTATGGCTCCTTAAGGCCAAT
 TTTCTGTCCTGAAATTATCACCAAG[A/
 C]AACTAGCCAATAATTATTTACTTCAAACTTTTAGGATTTTATTCAAAAAACAGTGCTTGTCTTTAAATGTT
 CCCAAATTCCGTTATTTTTTAGAGTTA A/C 0.393 68% 96.8% 156
 29.3% 58
 rs2304439 12 92573458
 GCCTCTCTGTTAGGTCAATTGTGTGCGAGGCCCTGATGGAGTTACTGTGTTAAAATGCAATGATTCAATTACTCC
 ATTACTTAGATACCCTTTAAGTGAC[A/
 G]CTACGGTTGTCCATCTCCCCGCTATTGAATTGTTTACCCACAGTAAGCATGGCGGGAAGAGCTTCGATCCGAC
 CCTTGAACGCTCAATAAAAATGGCGAC A/G 0.224 47% 3.2% 156
 50.0% 56
 rs2293048 12 116076778
 AAATGGTATAGCTGGGGTGACTTCGTGCCTGTGCAACCACCCAGGGTCTATTGGGTAGGGGTGGGTCGGATTCCG
 AATCCTTCCCTATTGAAGGGTGCTT[C/
 T]TGGTGGCTTGCTGGGCTCCTGGGACGGGCACTGTGCATTTTAATTGCTTTATCTAGGAGGAAAAATACAGGGC
 AGAGCTTGGGTTATCTGACTTACAACC C/T 0.299 62% 11.7% 154
 74.1% 58
 rs7995033 13 23629888
 AATAGATACCAGCCCCAACAGAATACATCTACTCCTTCCCAATCATTATAGACCCCAAGACCAAATATGAAAGA
 TAAAGTATTACTTTGGCCAAGAAGA[C/
 T]TGCAGCATCCATAACAGCTTTGATATGGCGAAGCCATCCCGAGCTCTCCAAACCGGAGTAGAAATCATTGACA
 GAAAGCCCTTTAGTGCCATTGACTGAA C/T 0.209 54% 20.5% 156
 74.1% 58
 CV1432551 13 41979611
 TTATCAATATACCCTAAGTAATTTATTTGTAACCGCATAGTTTGTGGTAAAAAGTTCCTACAATTTTCCTTAT

TTTCAAATATTACCAATGGCAGTAA[C/
G]TTAACACATTTCATGGGAGCAAAGCTACAAAAATGTTAAGTCTGGCCATATAGAAAACCCTGGCTTGATGTGTG
TTTAGTGCTTAAAAATCCCCAAATATA C/G 0.192 52% 26.0% 154
77.6% 58
rs767778 13 77995116
GGGCAGGGGCTGGGCAGGGTTGTGGTTTACTCTTATGTTCCGTGATGAAGAAGCTATGAATGTCAAACACATACT
GTGCCCTTGATTTGAAGAACCCTTGG[A/
T]TTGAATAACCTTGGTTTTAGGATTCTGTCTTTGACTCTTCTGCTATTTTTAAAGTGTGGTGTACTCTTTGTGCGT
TTTATGCTGCTTTTGTAAAGCTGGTCAG A/T 0.149 45% 37.0% 146
82.1% 56
rs3093261 13 111724083
TGCCACCAGGAAGGCCCTTCTCAGAGGACCAGGCTGTGCGTGGTGCCCGCCGTGGGAGGCCAGCCTGGCGTTGGC
ATCCAGCATCATCAGTTTGTGCAGT[C/
T]GGGTGGGGCTCAGTGAGTGCCTCCTGTGTGCCAGGCACAATGACGCACAATGTGTGCACACCAGGCTCATGTG
CAGGTGGCTGCGAGACAGGGCGACCCA C/T 0.135 37% 42.3% 156
5.2% 58
CV1436495 14 19914801
GAACTAAAACAACACTTAGTTACCTACTTCTGGGAAGCCATCTTGGCTCGGACTCCGGGACTGGGTGAGAGTGT
TAAAGAATGTGAAGACCCTGTCCGGT[C/
G]TTCTGTCCGACTATCTAGGTCCAGCCCGAACATACTCTGCTGTATACACTTAGGAGGCCCTCAGTCACGACG
TGAAACCCTGGAGTAATGCCGTATGTG C/G 0.245 50% 48.1% 154
98.3% 58
rs2295903 14 65624359
TATCACTTGTCACTTTTTGCACCTTAAAAAATCTATTCTTAAGCACTTTTGCAGGTAGAAGAGAATTGGAGGTAT
GATTATAGCTAATAATAGGCTAAAC[G/
T]GACCATTGCCTTTTACTTTGATGATGCAATAAGCAGTGTGGTCCATGCCAAGGGAACCTAAAAATCTAGTAG
CCCATTCCCCACTCCAGTTATACATT G/T 0.241 51% 95.5% 154
44.8% 58
rs730570 14 99132931
AAGCTCCAGCGCTGCTTCTCTGGGAAGCCTTCCATGGTTTCTCTGACGGAGACACTCCCCTACTCCAGGCCTGC
AGCACTCACCTGCATCTCACACTGC[A/
G]ATGCAAAATTTGTGTGATTAATGGGTTCAAATGTGCCCCCTCCCCTGGACTTTACAGGGTGTGGAGCTGCT
GGCTTGCTGTTCCAGTGCCAAGTCCC A/G 0.521 81% 13.9% 310
94.6% 56
rs1129038 15 25959218
CACGGCCAGTCAGTCTCTCCACTCCCTCCTCCCGCCTGGCTCGAGGACGGACGCTTCTCATCAGACACACCAGGC
AGCCTACAGTCTACACAGCAGCGAG[C/
T]GCTCTGCTGCCTGGCTCAGGCTCTCATCTCACGAGGACGTTTCCCCATCTTAGTGTCTGTTAAATAATCTTG
TGTAGAGTCCGAAGCAAAGGAGTCGAC C/T 0.481 76% 77.6% 156
1.7% 58
rs1426654 15 46142540
CTATTGTGTTTAGTTGTAAAGACATACTCTTTCACCTTATTAGGCATAACAATCATTTCATTTATGTTTCAGCCCT
TGGATTGTCTCAGGATGTTGCAGGC[A/
G]CAACTTTTCATGGCAGCGGGCAGTTTCAGCTCCTGAATTAGTTACTGCTTTCCTAGGTAAATATTGCTCCTTATA
CTTCTTGCTTACTCAGTGTGATTTTTA A/G 0.722 92% 1.3% 156
93.1% 58

rs734780 15 87294726
CAACCCTCAGATATTTAAATGAATAAAATTTCCCATCAAATCAGCCTTTCTGGCTTCATGATGGCACTGACCTTC
CTTCCTGCCAGCAGTGGGTATCAC[C/
T]GCCCTCAATAGATGAAGCAGGTACATGCAGCATAACACTCCCCTCCACCCTGGCCCTGCCATTCCCTAGTGC
CTCTCCCTTGACCAGCTTCATTCATTA C/T 0.488 78% 93.0% 256
14.6% 48

rs1008574 16 5773395
GATCCCGTTGTGATTCTCCCATGTTACAGATGCATACACTCAAGTAGCAGGAAGGGTGGTCCAGTCATTCAGCAT
GGATGACTCTGAGGTAAGGAAGA[G/
T]AATGGCAAACCTGCATCACTTGTGAATTAGGCTGCTGGAGATTAGGAAAGCAGTTTGTGATGGATTTGTGGCA
CCACCACAACCTGAGAGCCTTATGTGCC G/T 0.166 48% 75.5% 294
27.6% 58

rs888339 16 47719065
AAATGTAACAAGATTATCCATCTGCTTTTGTCTAAATAAATTCAGGGTTTTTACAAACGTAGTGAATTTTCAGCT
TGTAATTTGCTGTCTCCGGTGAGCG[C/
T]GGTGCTGAGAAGACCCGTGATGCTCTCTTTGAAGCCCATTTCGCGCATGCCCCAGGCCTGGGACCTCCATTAA
GCACCAGGCCTCGCCAAGCACCCGTG C/T 0.183 49% 38.8% 304
87.5% 56

rs725131 16 66362029
TTTGTGATGAAGCTGTTGGAGGTAAGTGTGATCAGATTTAAAGAATGAAATGGACTGAAGCTGAGATGGGCAG
GATCCAAACAGATCTGAATGAACTA[C/
G]GGTGATGGCCAAATTATCCAAGATAGAATGTAAATCACATAAAAGGAGCGACATATACTTCCCATCCCTAAAA
AGGAATGCCCAAGACGGTGGAGATCT C/G 0.157 42% 9.7% 236
51.7% 58

rs3785275 16 89585824
TCCACTCTGGGACTTGTGCTTTTCCATTTTCCCTAACCTTGAGTGTCTGTTGTGCTACACCACCCGAGTGAGCTCG
GGGTGGCTGTGCCAGCTCAAGCCG[C/
G]TGCTTTGGGTACAGGGTCCGCCACCATGCTGACGCCAGTGCCAGCTGTGGCACAGACTCTTACCTGGGGGT
CCTGAAGAATCACTTAGCACCTTCCGG C/G 0.264 60% 75.3% 154
15.5% 58

rs759974 17 385709
AATTTTCTTTTCTTTTCTAGCCCTCACTGCTCCTGGCCTCTGGTTCTGCTAAGGTGTGTGACGGTGGACCACCAT
GGTCCTCCGATTGGGTGCCCTGCT[A/
G]CAAGTACCATCAGCCCCTGCAGCCTCTTGAGAGAGGTGACAGTGGTGGCACATGGGTACGGTCCCCTTGCCT
TTGCCCTTGGCCCTTGGCAGGCACCG A/G 0.244 51% 47.5% 240
98.1% 52

rs959071 17 19304375
CAGAAAATATCCTGTGAAAGAAGGGATTGGAACAGGGTGTAAAATGATGGGAAAAGGTGAATTTTAAGAATCCA
AGCTTCTCTCATTATGTAATATAA[C/
T]GAAGATTTGGCAGAAAACGTGCCTCTTGAGCTCTAGATACAGAATTTTAGGTGCTGACAAAATCTTATGCTG
AATCTGGCACAGCAGTGATTGAGTTAG C/T 0.33 66% 14.7% 156
81.0% 58

rs3760281 17 54276849
TGCAAACATTGAACGTCTAGAGAGAGGACAATGGCAGCTTTTTTTCATAGTAAGCCCTTGACTGAGTCTATAATGA
GGCGCAGTGAGTGTGTCTGTGCCT[A/
G]GGAGCACAATCTGTCATCACTTCCAATACCAAAGCTTTCTTCAACCTTGTCAGGCTCAGGTGCCTCATTAC

ACCAATGCTCCTCCACAGGGTGTGTGC A/G 0.236 55% 10.9% 156
65.5% 58
rs7406705 17 80307853
CTCAGCCGAGCGGGACGGCCCTGAGGGCCCCCTGCCCTGGCTGTCCGCATCTCTGAGCTCCAGTGTGCCCTCC
GCCATCCGGCATCCTCCCATCCCTC[A/
G]AAGGCTCTGCCACCATGCTCTTCCCTGACCCCTCACCAGTTGTCACAGAGTCTGGGTGAATGCGGTCTCACCC
TGTTCTCTTCCCTCTGCAGGAACTG A/G 0.24 55% 63.5% 156
8.6% 58
rs1917913 18 5732915
AGAGTAATGAAATTAGATATTCCTTGAAAATGATTTGTTGAGCCTCATTTTGTGACAGGTAGAAAACTGAAACC
TGAGAGGTGTTTTACATTCCTAA[A/
G]AGATAAATCTTAACCTGGTTTCCTATGCACCTCTCAATACCAAGCTTTTCTGACATTGTTTGTGGGAATCTG
GTCAATAAATAAGAGGAAAGACTATAT A/G 0.139 40% 89.7% 156
50.0% 58
rs953786 18 19857774
TGAGAGGCGCTGAGCTTGGGGTGGGAGGGTTTAGGACCAGATTTGGTCTCTGTGGCTGAATCCCCTAGCCTGCTT
AGAACAGCACAATAGCAGGGTCTTT[C/
G]TGCAGACAAAGTGGGGCTGTAGGAAGGGAAGAGGCTGCCAGGCTGGCACAGCTGTGGCTGAAGGAGAGAGGC
AGAGAAGGGAGTGTCTCTGTTGCGTTG C/G 0.279 61% 76.9% 156
15.5% 58
rs1942629 18 75954754
GTTTCAGAAGACACATTACCATTTTGCAAAAACATAGTTTATTATTTAGGACATGCCCTATCTAAGGAGGAAAAA
GCATTCTCTTCTGATAGACTACCCA[A/
G]GTTTATTCCAGATCTCTCACAGAATGACAATTGAGAGGATTTCTAGGTTTAATTGGATACTGCAATAAGGGCC
AAATTTTCTAAAATTGCTACACTTTT A/G 0.243 57% 83.1% 154
25.9% 58
rs1833791 19 9661576
TTTGACATGAATGTGCCACACTGGCAGCTACTAACAGGGGCTGGGACCAATCTAGATGACTTATCTCATAACAGAA
ATTCTTAATGCTATGATCTTAGAAA[C/
T]CTAATCACCAAGGTAAGGTAGCCTGCAGTACTGACCTCACCATCCATTACCCTTCTTACAGATGCCAGACT
CAGGCAACCATGATGTTGTATTACAGAA C/T 0.182 50% 19.5% 298
69.0% 58
rs2216595 19 38225132
CCCCCTTGGCCACAGAGCAGGCCTGTCCAAGGGTCAACCAGAACCCTAGGCCACAAAACATACCACGGCCTTCCC
AGCACATGACAGGGAGTCCCAAAT[C/
T]GGGGCCCTCTCTCACGTACACAGATGACATGAGTTGCTCTCTGCTATGGGAGTGGACAATTCCCATGTCCAA
ACTTGCTTTGGGATAGGGACACTGCTT C/T 0.289 62% 18.4% 304
80.8% 52
rs274176 19 61353716
AGACCATGTTGTATCATTGCTGAAAATGGAAAGCCAGTATCATGTGCCAGAGAGAGAGGTCATGGGAAATCCAT
CACTCACGGCAGTGTTATTCCTGTC[C/
T]GTGTGGACACTGATAGGAGAAGGCTCTGAACCTGAGATCTGCCCTTATTA AAAAGAGAGTAACAGATACAA
GAGAGATGCTAAAGACATCCCAGAGCC C/T 0.348 68% 80.3% 300
12.5% 56
rs1418032 20 2072744
GAAAACCTTAGTAAATGTTGGCTATTAGTCCTAACAGTAAAGTATAGGTTACTTCCATAAGTTAAGCAAGACAAA

AACAAAACTAAAAATTTGGTCAAG[C/
G]CATCAAATGATTTATCAAGCAGTCCAGCCCTCTTAACAGCATATAAAAGGATTCACACTCCTTGTGGTCCTCC
CAGAACTTCATATTCAATCTCTCTCAA C/G 0.263 59% 68.8% 154
10.3% 58
rs878522 20 46302598
TTGCAACCTTTTTACAATGGGATCTGAGTTTATAAGCACCACACCAGCGATCGCTACGTTGTGTTTCATTAACCA
AGTAATAACTGATCTTGCCAAGGAT[A/
G]ACCTTATGATAACGACGTGCTCACAATAAATTTAGCCTTTCTCTGAAGACAACACTGCAGGTTAAATGTTACTGG
TTGTAGTTCAGACCTTGAAAATTGCT A/G 0.323 65% 26.3% 152
91.1% 56
rs722098 21 15607469
CCACCCCTCCCCTATAAACCTTAGGAATCCCCGTTCACTTAGATGCCAGCTTGGCAAGGAAGGGAAGTACACATC
TGTTGACAGTAATGAAATATCCTTG[A/
G]TAAGGATTTAAATTTGGATGTGCTGAATATTTCTTTACCCAACAAAAACACTTTTAATTTCTTTATTGAAAA
CAATAACAGAAAAAAGTTACTCATTAT A/G 0.126 41% 20.1% 254
61.1% 54
rs915750 21 36801936
GCGGTGTGTATTGTGCTAGGTTCTGACTCTCTTTGGTTGAGCAGGAGGCGGCCCTAGCGCCACAGGTGGAGATGG
CTGCCACCTGCTGTGAAGGCACTT[A/
C]CGGTGTCCGCCATCTTGGGAGCAGCTCAGACCGGAAACCACAGGCTGGAGAACGCAACTGGGAATGGAAAGCA
GGAGTGGCTCTTTGTGTTGCTTTGGGC A/C 0.289 60% 7.7% 156
67.2% 58
CV2666421 22 15943021
CTAGCTCAGTGCTGGAGCACAGGATGCGGGGGCTATTTGATACATATGTGTTGACTGAACAAAAGAATGCATGAA
TGAAGGAAAGAACGGTCAGCTCTGC[C/
T]TGGAAGGTAGTGGCAAGCTGAGACCAACCATAGCAATGGTTCCAGATGCTTGGGGTTAGCACCTCAAACCCA
GATGACTGATTTCCCCACAGAAATCAT C/T 0.194 51% 31.4% 156
82.8% 58
rs727563 22 40110416
TAAATCCTGGTCTCCTTGTGTTGTTCCCTTCAGCTAAGATGAATGAACAATATTATGCAGTTTGCACACTGCCTCC
CAATAACCAGGCTGTCTCAAATAAC[C/
T]AACTAACACGGTTTCTCTGAGAAGCTTGTATATTTACCCCTTTTGTGCTTAGATACATTTGAGAAGTGATGGT
TACTACCTTAATAGTCATGTATGCAAA C/T 0.386 70% 74.7% 154
5.2% 58
rs1013549 X 11522490
TGGTACAGACTGACAGCTGCAGTGAAACTTACTTGTACTTTAAATGCATGACCTGGAAAGTCTCACTTTCTGCTT
ATGGTCCCTCCAGCTGTTCACTTCTC[C/
T]CCCTTTACATACACATACACTGTTCAACTTTAGTACTTTGTTATTTCACTTTGAGGTTAACCGTGGAAAGTTTAG
CTGTAAGAGAATGTACATTATTGGTGA C/T 0.426 75% 15.6% 160
90.2% 51
rs3091304 X 69709590
GGAAGGAGGGCCCCTACTGCTGTCTGCCAGGCCGGCCAGCCCGGAAAAGGGCCATTTCTCCTCCTCTCTGTCA
GAGTCGGCTGCTTCAACCTCTCT[A/
G]GCAGCTCCTCAAATGCCTCTTGGAGCACTACTCCAAAAGCTACTGGACTTGGCCGCCAGCCCCAGGCTGTTA
GGGAGCAGGCTCAGCCAGGCCTGAGG A/G 0.379 71% 19.2% 78
90.2% 51

rs2380316 X 116288500
GAATGTATTAAGAACCAAAATGATGGTAACGATCTTATCCATCAAGGAATGAAATTTAGGGAACATTAAGTGCC
ATTTAAGAAGGCATAAAAAGTAGATA[C/
T]TTTAGAACTATTACCATCTGAAATAATTAATGTCTGTTTTCTTGGCTTTTAAAGTGGTAGTAAACTTATAA
TTATCCAGAAAATACAGCTTCAGAGTT C/T 0.429 74% 19.7% 76
94.1% 51
CV299672 X 137547614
AACCAAGATGATAATGGGCCTAGAGATACTAACGAAGACAGAGGATATCATCTACATAAATAACCACTGGTCAAC
ATTTGCCATTTTAACGCTTGTTTTG[C/
T]TCTCCTTAACAGAGCATTCCCTCCATCTGGTGGCAGTTGCTTAAATTGCAGGCCAAAACCTCAAAGAGGCCAAA
ATAAGCCTCTGAAATAGGTTTCAGATTA C/T 0.219 51% 6.4% 78
56.9% 51
rs725796 X 147248065
GGCTGACTCTCTAGAAGAGATGGCCAGTGATTCCCTTTTTAAGGACAAAGGAATAATAACATTCCTAGATGATCC
ATGCCTCCCCTTCAATATGTTTTAT[C/
T]ATCCTGTTTCTGCTAAATACACCTTTCCTTCTCTGTTTCAGCCAGACTTCCATTTTAAATGACTAAAGTGGT
AACTTAATGCTATTGTTTCTATGTTAG C/T 0.205 42% 98.1% 162
56.0% 50

West African-Amerindian comparison

SNP_ID Chromosome Physical Position in HG16 FASTA sequence,
length 201bp (variant whose frequency is quoted is given to the right of
the '/') SNP (same direction as FASTA; variant whose frequency is
quoted is given to the right of the '/') Entropy (50% African, 50%
Amerindian) Delta (85% average) West African Frequency n
Amerindian Frequency n

rs2156087 1 23213056
GCTGGAGGCCCTCCCGCAGACGCACTCTTTCCTGTCCCTGCATCCTTCTAGGCAAAGCCAGTGCCATTTATGTCC
TATTTGGGTCTTGTGAGTCTAACAT[C/
G]TGGTTGAGCCAAAGAAGACCCCGAGAGGGGCACTGCAGGAGATAATACCAATATCTTCCCTCCCGAGGATGAA
AGGTTTAAATGAGATAATATACTGA C/G 0.621 87% 7.6% 198
94.8% 58
rs734908 1 53313955
GAAAAGAAGGACTGGGGACACTCCTGGTGGGAGACAGCACCGTGTACTGGTCCCTGGCTAAGGACGCCACCGGCC
TCCAGGACAGGGCCCTGCCTCACAG[G/
T]GTGCTGCCTCCCGCTGGCTCCGCAGCAGAAGCTTCAGCAGGCCATTCCACCATCCCTCAGACTAGCTACTAG
GTGCAAGCCTGTGGCCATCCTTCTCTC G/T 0.832 97% 1.4% 296
98.3% 58
rs236307 1 93554718
GTGAGGTAGGCCCTCTCTCCAACAGGGCATGGAGGGAGATGGCAGGAGAAAGATATGCCTGCTAGGTACCTGCTT
TTCAGTGTTCAGCACATCTGGAAC[A/
G]TAATACTGCCCATAGCCCCAAACCCTCCCCAAAGCAGCCAGAATCAGGGCATCAAGCCTTACACTGAGGCAC
TCTTGGGCTTTGTCAAGCGGCCCATG A/G 0.67 89% 9.0% 310
98.3% 58

rs2814778 1 156391475
AGGCCTGAGGCTTGTGCAGGCAGTGGGCGTGGGGTAAGGCTTCCTGATGCCCCCTGTCCCTGCCAGAACCTGAT
GGCCCTCATTAGTCCTTGGCTCTTA[C/
T]CTTGGAAGCACAGGCGCTGACAGCCGTCCCAGCCCTTCTGTCTGCGGGCCTGAACCAAACGGTGCCATGGGGA
ACTGTCTGCACAGGTGAGTATGGGGC C/T 0.872 98% 0.0% 338
98.1% 54
rs726777 1 183112204
ACAGCACTCCTCTAAGTTTGGTTAGTTCAAGTCTATTCCTGAGGATGGATCCACTCAGACAGAGGCTGACAAATC
CAGTGTGTCATGGTTGGCAGATTTAGC[A/
T]AATCCACCAAGAAATATCACCCTTGAGACTTTTGAGAGGGTCTTCCCCTGATAATACCCATTTATATTACTC
TTTGGGTGTTGTGTACCTATTTAATTT A/T 0.639 88% 8.7% 298
96.6% 58
rs622815 1 231442485
CTTGACCAAGCAAGTTTGTGCTGCTTGTGATGCATAACGACTCTGCTGAGAAGTGGAGTTATGTTTGAGAAA
ACGGTGTTTTAATTTTGGCTCTGTTT[C/
T]GCTCATTTTCATCTAACACTCCATCCAACCAAAAACCCACACCTCTTCTGATTAGAGGACCAGAGATGCCATAC
TCCCCATCCCCCATAGCTGCCCAGC C/T 0.63 88% 9.1% 198
96.6% 58
rs880143 1 244765524
CACTTGAAAAGCTGAAGACTACATTCTTCTTTTCAGTACTGAGGTGAGTAGCAGAAGTAGAGAGGTGTTGAAGAT
AACTCTTGTTGAGATAGATAGTAGG[C/
T]GCTGCTTTTGGAGGTTTTGGAAATTGAGGCCTAACCTATGGAAACAGGAAGGCTATTCATCCTCAGAGGGTAG
CAATCTGATTTTTATTAGGAATTTTGA C/T 0.708 92% 6.7% 194
98.3% 58
CV65408 2 5104502
AAATTGTTGTCATTTCACTGGATTTGGGGCACTGGGGAGACTGACCCACATCTTCTCCTCCACCACCCAGATTCC
TATCATGTGCTGATCTGAACGTTTA[A/
G]TTTTAGAAAAGGAGAAAGTCTCCTCCAAGTTCTTTCAGGAAATTCATCCCAATATTCATCAGATGCTTTTAAGG
AACACCAGAAAAAATCCAGGTCTGCC A/G 0.528 82% 90.2% 194
8.6% 58
rs1275988 2 26888899
AAACATGGTGGCTATGGTGGTGGAGGTGGGAAGGGTAGTGAAACTCAGGCATTACTGACCCTCTCAGAGCCTTGT
TTCCTTATCTTTTCAACGAGGTGTC[A/
G]TAGCAGATGATCCCACAGGCCTTGCCCAGCTCTAAACAACCTCCAGACTTGGATGGGCTGAGTGAGCAGAATGA
TTGGAATGCAAATCTCAGTGCCAAGAA A/G 0.492 79% 92.0% 176
13.0% 54
rs3768641 2 72342728
GCTGGCCTCTTGGTGCAGTGGAGTCCAGTCTATCTCCAAAGGAAAATAGGAGAGGCCCAATCCTGGTGGGTAGA
GCTGGGCACAGGAAGCTTCTAGAAC[C/
G]ATTCTCTAGCTCCTTCTCCATGTTTTGGACAACCTGTCTACCCCCACCTTCTAACCAGACTCCATCTGCCCT
TCTACGGCAATACTCCAGCCTCTCTAC C/G 0.883 99% 99.0% 196
0.0% 58
rs729253 2 118027382
TAAGGCACCAGTTATAGAGTTAATACCCCCAAAGTTGCCAATATTCCTGTTTTGCCTATCCTAGTACCACCCTCA
CTGCTTCTGGTGTCTACCCATTTCT[A/
G]GAACAAAGCTCTGCATTTTTTATATCAAATGTGCAGACGTGTGCCACAAGCACACCTCCTTTAACACTGCTGA

TCAGTTATCCCTGCAGAAGATTTTGGGA A/G 0.627 87% 88.6% 306
 1.8% 56
 rs1979038 2 149421667
 TGACGAGATGATGTCTAATTTGAATGATGAATGGTCAGAAGAAGCCAATGTAAAGAAGAAAATCAAGTTGCTAAA
 ATTCAATCCACCAAAGCCATTTCC[A/
 G]GAGACTAATTTGCATTTTTAAAGGAATCAGGAACTGAAAACATTGGTGGAAATTGTGGCAGGTATCTCCCTCA
 GAACATACACACAGGCACACACACACA A/G 0.48 77% 19.7% 198
 96.6% 58
 CV11745078 2 178406248
 AGGTACTATTTTGGTGGACCTCTTTGGATATTAGAGGCTTGCTACTAGGTCCCAGTGAACACCTAACCCCTGAGA
 CACCAAGTGACTTTGCGTCGTAATT[A/
 G]TCTATCAGGATCCAGGTGTTAATTCAGGCTCATAACTCACCAGGCCTGGATAGTCCTGAGGATGAGTGAGTTT
 AGTGAGCACGTTGCTTGTATTCTCCTG A/G 0.63 88% 90.9% 198
 3.4% 58
 rs3791896 2 219014623
 TACCAGCCTTGGAGCCCAGTGAACCTTGGGGGAGGGAGGGCAGGAGGCTGAAGGGGTGGGGGAGCAAGAAAAGAA
 GACAGGGAGAAAAGAGGTGAGGAGA[C/
 T]ACAGAACCGAGAAAGGAGATGGCAGTGCCTGGCATCGAGCAGGCGCCAGTGGATGCCTGTGAGCTGCAGACA
 GAGGCTGCAGAAACAGATGGCAGGAGA C/T 0.736 91% 0.0% 196
 91.4% 58
 CV1354130 2 237783987
 TTGTTAAAAGTGTGAATTGTGTTTCGTGCCACACTGTAATGAGAATTTTAATTTTCATGCGCAGCCCAAAGTGTA
 ATGAAAAATCGTCCGTTGCCAGCT[A/
 G]TGCAGACGGTGAATGTCTTTCCCTGCGACATATCCACACTCGTTCTTGTTAATTTATTCATCCATCCACACG
 TTTGTTTCGTTCACTCACTGATGGACAA A/G 0.691 91% 96.0% 198
 5.2% 58
 rs2055314 3 244035
 TATATAAAAAAGAAACACAAGGAACAAAAAATGATATCTTATTCTAGTGAAGGAAATCCAAAGTTGGGGTCTAGA
 ATACAAATACACCTGTGTGCAAGCT[C/
 T]CAGTGATGCCAGTTCCTAGTACTGGAGAGCATTGTGACTCTGAGCAAAAGAGGGAAGACAAACATATGAACAG
 AAAACCTCGTCTTTTCTCAAACATCCT C/T 0.401 66% 1.6% 182
 67.9% 56
 rs4596126 3 13634898
 GATGGCCAGGGCAGGGGCTATGGGAAGGGCTGATCTTGCCAGGGGGTGTGGCATTCTGGGGTGCACACTGTGGG
 GTCCTTCACTTCTGTTACCCACA[A/
 C]GTTGGAACCCACAGAAGCCTGAAGCTTCCAGTGATGGGGGATTTGTGAGGCAGGAAAAATAGAAGCTTTCTTC
 CTGGGGCTCCATCTGCAGGGACCTGGC A/C 0.639 88% 93.4% 198
 5.2% 58
 rs1869868 3 46855580
 GGAGGATGCTGAGTAAGGAGAAAGCTCACCTCTGCAGCTGAGTCCCACCTTTAGGTGCCTCCACCCCATCCATTC
 TGATGTCTGCACCCACAGCCAGTGA[A/
 C]CCAAACCCAGGAACATGTGGTCAGCAGAGCCACATATGAGAGGTAAATGGCCCCAGGGTAGCAACATGGCCAT
 GGCTGGGCCAGAGGCACATTCTAAGTG A/C 0.644 89% 92.7% 178
 4.0% 50
 rs1465648 3 87871130
 CATGATAGTACACATAGAGGAGAACGACATCCAAGGACTGGGTCTAGGATAGACTCCACCAGAAGGAAAGAGA

AAAAGCACAGTATCAAGTTTGACTT[C/
T]GCAACAGTGAATTATTTTATAATAACACCATTGTTTTAGAGTACAATTATACTGGCTCAATTAACATCTCA
AAAAGATTCTGTTGCTGTAGTTTGTTC C/T 0.495 80% 87.6% 186
8.0% 50
CV431015 3 144881439
TAAATCTATTTTCTTGATATGCACATTCATTAGCCTTTCAAACACTGAGGGGGGAGTCCTTCGAGGCACCACAGT
AGTTTGCAGTAAAGTTTCATCTATA[G/
T]CTTCTTTGAGATTGAGAATATAGTTTATTCATTTATTTAGTTTACTTATCCAAAATATAGAGGCTCTTTTCTT
TATTTTCTTTTTTGATACAGTCTTCC G/T 0.639 87% 13.4% 194
100.0% 58
CV2767943 3 187281327
TGTTTCTCTCTCATCACATGGAATCTGTGTGCAATGGAAGCGTCCTGAAAGTGAAAGAGACAAAGCAGATCCTTG
GTGAGTGGTCATGACAGTGCAGTGC[A/
G]GAGGGAAGGGACGCACGCATGCACTCGCTGAGTCATGCCAACCTGGGACTCTATCTATCGCATGGTGGGGCT
CCAGGTCACATCCGCGGAGCCAACAGA A/G 0.622 85% 85.4% 198
0.0% 58
rs7631002 3 199003879
GACAACCTGCACACGAACAAAACATCGTTTCACTCCGTTGAGGCCAGGAATTTAACTGGGATAACCCGGGCAGC
CGTTCTCCGGGTGTCAGGGGACCAA[A/
G]CACCATCAGCCCAACATCTCCTCCATCCTGTTCTCCCTCTTCTTGAACCCGTAGAAATCAATGGCTGGCAGA
GACTCCGATACGCACCGGCGACTCGCC A/G 0.633 86% 86.2% 196
0.0% 58
rs758973 4 13290256
CTCAGCACCAGCCAGGCCAACAATCCACTCTCCTCTACCCACATTTAGTCCGTTTGGGAAGAAAATGTGGAA
TATGGCTTTCTCAACGCAAAGTTCA[A/
C]GAAGTTTAACTCGCTTTACAGAAAGGCTCCTGCGTTGAGAGGGAATATGAACAACAGAGAGAATCAGACAGT
TCTCCTAAACCGGGAAGTGTGCAAGG A/C 0.67 89% 91.0% 322
1.7% 58
CV2062639 4 41966310
CTGGCATCTGCCTCCTTAAGTAAACAGATTTTCACTGAAGTCTTGCCCTTTGACACTGGCCCAATGGACAGTATCA
GGTGCAGATCTGCTTTTATCTACCT[A/
G]AAACACATAATTTTCTTTTACATTTTATCTTGTCCACATATAGAAGACCGTCTTTTCTCACCAGTTTTCAAAA
TATACTTAAGTAATTTGCTTACACATA A/G 0.622 87% 4.5% 198
91.4% 58
rs342945 4 86745074
GATAGAAAACAGTCAAGTCACTCAAGCTTTTGGGTGTATTCTAATTAGGAATCAATGAAGAGAGATAATTCTAAA
ATTATACAATGAAGTATCACTCAA[A/
G]TTAATCTCTTGCTGAGACCCAGGGAATCAGTACCCAGATTCACAGAGAGAGGCAGGGTGAGGCAAACCTAAAAG
AGTTAAATGAAAATGGTGTATGACTAC A/G 0.46 76% 7.3% 328
83.3% 54
rs1525760 4 117594200
GGCTTGGTAAATCCAAAATTTTCAAGGTAGGCTGGCAGACTGGAGATCGTGGGAAGAGTTGCAGTTCAAGTCTGA
AAATAATCTGCTGGCAGCATTTTCT[C/
T]TTTCTCAGGGGAGGTGAGTCTGTTCTATTAAGACTTTCAACTGATCAGATGGGGATCACCTCATTATAGAGG
ATGATCAACTTTACTCAAAGTCCACCA C/T 0.639 88% 5.2% 326
93.1% 58

rs1071738 4 170545279
GACCGCACTTATATGCATTGCTAATATGGAATTTAAGATACCATACACAGTCTCTCATGGACCTATCTCTATTGT
AGAATTATGACTTATGTCTTACTTG[C/
G]CAAATTTTTCTGAATGTGACCTTTTTTTGCTGATTTGCTGGGTTTGGGATTAAGTACTAGCATTATTTGCCACCT
TTATATTGATTTATAAAAAAAAAAAGT C/G 0.52 81% 8.7% 196
89.7% 58

rs2411530 4 191558072
TCCTCCGCGCCCCTGTGCTGCCCCGACTCACATACTCGTCCAGAACCAGCCTCAGCCTCTCCGCGCAGAAGTTGC
CCGGAGCCATGGCCGAGTACTCCTA[C/
T]GTGAAGTCTACCAAGCTCGTGTCAAGGGAACCAAGACGAAGAGGTGGGTCCTGCAGCTTGGGCGGGAGCCTC
CTCCGTTCTTTTCGGACGCACTCCACC C/T 0.438 75% 83.7% 196
8.6% 58

rs4702813 5 11795406
TTTTCTTCTCTCATGTAGATCAAAGAAATGTCTTCCATTTCTTTCAGAGAATACCCCCCTCCCTGTTCTTGATCC
TATGTTCTAAAAACAAATGTTGGC[A/
G]AAATATAATTACTTTTTGGCTTTACTTCCATCATCAGGCATTACTTTCATAATCTGCCATTACCTTATACCCAA
GTGAATAATGAAATATGGCATTAGAAC A/G 0.65 87% 1.0% 198
87.9% 58

rs1482680 5 44437643
CAAAGGAAAAGCTGACATAGCTTTTTAGATTATATCTCATTCTTCTTTTTCTTTTCTGTGCAGCCTTTCTTTTAC
AGCACAGTTGAATCTCTAAATACCC[A/
G]ACTACTTTGCATTGTTAGGTACCTCTTAGGTTAGCCCGAGAAAGCCTGAGAAAAGTTCCACAGGAAAGATGC
ACTATTTAACGGAATTCAATCTCTCCC A/G 0.498 82% 81.6% 76
0.0% 20

rs226201 5 81655919
GGAAAGACCAAGATCATAAATATTAATGGTGAAAACACTGTAGTAATAAATTTTCATATGCCAAAAAATGTTTGT
ATCTTACTGTCCCCTGTTCTCACCA[C/
T]GAAGATCATGTTTACCACCACCACCCCCCTTATTTTTTTTATCCTAAACCAGCAAACGCAGGACCTGTA
CCAATTTTAGGAGACAATAAGACAGGG C/T 0.61 87% 8.2% 182
94.8% 58

rs267071 5 117024719
AGCATTGGCTTATGTGGCAGCTGTGGGACTTGAGCATTATAGGGTCAGCAATAAGTAGATAAATTATGGAATCAC
CTGCTTTAATGCTCTGAAAACCTTA[C/
T]GAAAATAAAATGACAGGCTTAGTTCAACCAATAATCAATTCAAAGTATGCTATGAAATTGAGAAGGCTGCATT
AGCAGAGTTTGAAGAAACACTTATCAC C/T 0.722 92% 91.8% 196
0.0% 56

rs6869603 5 150171359
CCTATGGGATTTCTCATGCCATAGACTGCCATGTGGGAGGGGATGGCTTGAAGTTAGGCAACAGGGAGGCCCT
GGTTGGGCCAGGGGACAGTTTGTTC[C/
T]TCAGTTTGACCAAATTCAGCCACTGGGGTTTATTTCTCAGAAATTACCAAGACTATTTCTTCTCCCTGAGG
TCAAATAAAAACATCCAGGAAAGGAC C/T 0.547 80% 20.2% 198
100.0% 58

rs632994 5 175101821
TCTGCCCCGCTTTTGTTCACCTGGTGTTCGTTCCCTGAACAGGCTGCACATCTCTCCCTTTTGTGGCTGCTGAGT
TTCCTGCCGTCTCCCCATTCACTC[A/
G]TCCCTTACCAGACACTCTCGCAAGCTGGGAAGCTATTTGTGACATGGCAGTGGTCTGTTGCCAGAGCTCTGAA

GGCTGACCTCCCAATTTGCTGGCTGG A/G 0.484 77% 80.6% 196
3.4% 58
rs7775219 6 3222297
CCTCGGTCTGCATCTATAAAACAGGGATGAGAAAAGCTCCAATGTCCAAGTGCAGTGGAGGTTAAAGCACGAATG
TGACTAGCATGGGGACAGGAAGATC[C/
T]GTGGCTTGATTGGTTCCAGGTGGCATCCATTGAGTGCCGGGAAGGGGCCACCCAAGTCTTTCAGGGTCTAGGG
GGCAGCTGGGTGTAGGAGGAACCAGAG C/T 0.391 71% 8.7% 196
79.3% 58
rs2274305 6 24399182
CCAATGCTATTTCAAGTGGTAACTAAAGCATGAGGAGTGGTAAGGAGTAAGACTTACCCAAAAGGCCTTCTCATC
GTTGACTTGTCAAAAAGTAACTCAC[C/
T]GTAAGGCAGTTTCTTAAACTTATCTCTGCCAACAGCCACATAAAACTGCCATTCTCCAACCTCTGCTCCACTC
TCAACAAGTTTTCTTCTAAAGTATAA C/T 0.632 87% 96.0% 198
8.6% 58
rs222541 6 95226761
TTAGGACATTTATTATTTCAATTACCATATGTAAGCAACCTAATAAAAATATTAGCATAATCCCCTAAGGCAGCT
TTCATCATCTCTTTAGATTTACTTG[C/
G]TATGCTATCAGTCAGTTATGAATGGAAATCAGAAATAGTTTAAAGTAAATTAAGCAAAAATTACTTTGAATGCC
TACTGATTTTCTGCTCTGACATATACA C/G 0.769 95% 3.6% 196
98.2% 56
rs6570507 6 142660142
GACAAATTTTTGATGAACATAAGAGTAGTCACTTTGTGCTTTTCTGTCTTATCATCAGCAGTTAGGCTCACTTC
AGTGAATTCAGTCCTTGTAGAATAA[A/
G]TCTGCCTTGCCACTGTGACTGCTAAGTTATTTCCACAACTGTCAGTGCAGCTTGCTAGCTTTTGTCTTTCTT
CTCGTCATTTGTCAGGTCCTTAGAATT A/G 0.725 92% 2.5% 198
94.8% 58
CV2529871 6 161977853
GAAGTCAATAAATATTTAAAAACAGAGCATAGTAAGCAGAGATGACAAGTGCAGCCACCACCACAGCTCAGTCAA
TTAAATCCTGCTGCCAGCACAACT[G/
T]CCTGTGTTTTAAAGTGCAACTGGGTATGGGCCATACTCAGAGAGTATATTCCTTGTCAACATTTTTTTTTTTT
CAATAGAAATAGTAAGAGTTTTTCAGAT G/T 0.523 81% 10.1% 198
91.4% 58
rs736556 7 30799340
GCATGCAGAAAATGGAGTGCAGCCCAGGAGGGAAAATGGAAAAGTCCCTTTGGAATTGCCCCACCCACTCTGCTT
CTGGTTCCCTTGAGATTACCAAATT[C/
T]CCAGCACTGTGCTTTTTTGGGGGGATATAGGGGAAGGGCCTTGCCCCACTTCCCTCTTAGTGGAGGGTGGAGT
TTTTGTTGTTTTGTCAGTGTGTTTTGGCA C/T 0.717 92% 6.1% 198
98.2% 56
rs2286251 7 107263408
ACCCATATGTAAAGCAATTGGTGAAGCAATAGGAAACAACAGCTCAGTTTTTTTAAATGGACTTGTGGGTTTTGAAG
GTATCTGTTTATTTTCATTCTGATT[A/
C]ATAATCTCTTCTGATTAACATTTTCTTAGGTCTTCCCTATGGTTACATGTATGAAATAGTAAAAGGTGAGGCT
GATGTCTGTGTTTCACTGTGTATGAAT A/C 0.581 84% 14.6% 198
98.3% 58
rs7791496 7 148255415
AATGAAGTTCAGGGTTATGGGTGTGACAGCTGGTGGTTTTCCATGGGTATCCTTCACTTGAAAAGGAGCTTGACTT

CTCCCCCTTGAGGCACACTGTCACT[C/
G]TGAAAGCAGTGCTAACCTAGCACATGTGCTTTCCCCACACATTACATCTCCACTGCCTGCTTTCTGAATAGA
TATCCACAGCTGAAGATGGATAGATGG C/G 0.636 88% 5.2% 194
93.1% 58
rs2045638 8 2963312
CTCAACGAATATTTATTGAATACATTAATAAATTACTGGATATGTTTCATTTAATATTTAATGTGCTATTATGCC
ATGAAACATTAATCGCCCCCATGC[A/
G]AAGTGATGAACTTACCATCACATCTTGAAAAGGGTAGTTCAGTTTCTGTTGATCCCATGCTGACAAGTGAG
GACAGGATGGCCTATTAGAATGTACCC A/G 0.534 82% 88.8% 196
6.9% 58
rs4871930 8 24713323
GCAGCAAAAAGGTTGATGCGCTTTCCCCACCCTGCACAAAACAGCAGCTAAGACTTGGTGGGAACACCTGGGTAA
TGCCGTCAATGCTAATGGAACACAA[A/
G]CTCCTGCATTAGAAAAACAGGATACCCAGAATAGTAGCTCACCTTCTTAATAATCATCTGGAAGAGATTAG
CATTTTAACTGAAGGTGTAAGTAAAGC A/G 0.597 86% 88.9% 198
3.4% 58
CV25472976 8 75974782
TGTGGGAACATGGACCTGCAAGCTTGCTTCCATCAATTGGACAGAATTTGGGAGCACACTGGGGAAGGTATCTTA
AAGCACAACCTTTTTCTTTATGAAAA[A/
C]ATAAGTGTTTAAAATGAAGTCCTTATTAATTCATCAGTACAATTTTTCAAAGACTTGGTGCCTGAAAGAAAAG
TAATCACGAAACAAGTAACAAAAAATA A/C 0.497 79% 84.5% 194
5.4% 56
rs1031402 8 109046171
ATCAAGCCAGAGGAGGGAAGGGAAGAAGTGAAGGAAAGCAGAAGAGATTGGAAAGCAGTGTGAAGAAGGAGGGAA
TCAGCAATTTTGGGATTAGAGGAAC[A/
G]GCAGCATGCTTGAAATAAGGGTGACTGATCCAGAAGGGTCTAGAGGAGAGAAGAACAGGTGGAAGGTGGGCT
TTGGAAAGAGTAAAAACACTATCCCTA A/G 0.48 78% 91.8% 196
13.8% 58
rs1871534 8 145644482
GGGCATGGCCTGGGAGTCCATGGTGGGGAACGGAGGGCCAGGGTCGCGGGTTTGTGGGGCAGACCTTGGGCGTC
AGATGCAGGACAGCGTCCCCAGTGA[C/
G]TGCACCCACTGCCAGGCTCAGGAAGGTCTGCAGGATGTAGTGGGTGACCCCCCTGCAGCCAGTGCAGGTCAGC
AGCAGGAGGCCAAAGACCGCGCAGAGG C/G 0.807 96% 4.0% 198
100.0% 58
CV1690816 9 14294973
TTGAAAAGGGGAAAACACAAAAGCATCCTGACGTGAGTTTTTCAAAGGAAGAACCAACAGATGTTAAGAGAAGAT
GATGCACTGGCAGGTAGCAGAGGAT[A/
T]CAAGTTATATACACAAGATAAAATAATGAAAAGTTCTTACAATAGAGATTGTTGAACCAACAACAAAATCAAT
GTTTTATCTAAAACCATGGTCTCTTAA A/T 0.659 88% 12.1% 198
100.0% 58
rs3780293 9 75533366
CACAGCACACCAGCATGGGAGCAAGAGAGTTTGCTAACAATGCAGAATCTCGGCTCCCACCCCAGATAATGACTC
TGAAGCTGCGCCTTAGCAAGATCCC[A/
G]GGTAGTTCATTTGCATTATTAACATTGAGAAGCTCTGGAATAAAACATGGGCTTGGGCTCAACGGTGATTCT
TAAAACATCCCTCTAGAACAAAATTAT A/G 0.825 97% 1.5% 198
98.3% 58

rs2230808 9 102942642
CCAACTTTACCATGAGTTGAAAGTACTCCAGGAAACATAAGGATTATTGTTTCATCAAAAAGCTACTAGAACAAAG
ACAGCGGTTTACCTTGACATTATTT[C/
T]TGGTGTCCAGTCCCTGTCATAAATCTTCCCAAGCTGTTGAGAAATCGATCTGCAGAACTGTCCTGTAAACAACA
GAAACCTGCCTCAGTTGTGACTGTTCA C/T 0.513 81% 87.4% 198
6.9% 58
rs590086 9 128619704
TGTTTTTCCGTTGGACGATGGGTTGGGAGAGGATGGCCAGCGAAGCAAATGCATGTTTTTTATGAGTCCTCTGGC
GCCTTTTTGCCTTGGCTACCGAAGC[A/
G]TCTTAAAAGCAGAGATTTTTGAAAGCCCCATTGATTTTTGTGTCATCCATCTCAGATCCTGCCTGGCTCAGAA
TTTTGGAGGAGGCCTCATCACTGCTCA A/G 0.571 83% 84.8% 330
1.8% 56
rs7349 10 31821911
TCAAGTCATTTTACCTTTACCCAGTTTTTAATATAAAACTTAAATTTTAAAATTCACTGTGTGACTAATAGCATG
ATGCTCTGCAGTTTTTATTAAGAAAT[C/
T]AGCCTAACCATACAACCTCTCATTTCCCTTAGTAAGCCAAATTAGGATTAACCTCTATAAACAGTGTGGGAACA
ATGTTTAAACATTTTGTGCCAATTTGTT C/T 0.871 98% 98.4% 322
0.0% 58
rs946979 10 72422373
GAGCTTGTTAAATAGATCCATTCTGGATCCCCATTCTGCACCCCTGAGTGATGGGTTGTATTAATCCAGGTATT
TATTGAACACAAATTATGTGCCAC[G/
T]ATGAGGGAAGAGCAAACAAAGCAGATACAGCACCACCCTCAGGGATTGGGAGTGGCAGCAACCCTCCTGGGG
AGAGGTCCCCAGAATCTGGATGTGTAC G/T 0.565 82% 97.7% 308
16.1% 56
rs2076974 10 111484898
ATTTTAGCCTAGTGCTATAATTGAAGCAGTTGTCTTATTTCTTTGCAAATCAGATAATTTCTTTATAAAGAATCA
AATGCTTGCTCTGTGTTCTAACCAT[C/
T]CCACCATTTTATTCTCTCTCAAAGCTTGAGGACAACCTCGGGACATTTCTTTCATCTCACTATCCTAAAAATC
TTTGCCACTGGAACAATATTAACACTAC C/T 0.635 86% 86.2% 312
0.0% 58
CV3124692 10 130165585
AGCTTTGGCAAGGGGACAGCATAACCCACACCTGGGGAACCTCACCTAAATGTTTAAAGAAATGAGCAGGGCT
CTAAATCACTCAACCTGGGGATCTC[C/
T]CTAGCCAGAAACAAAGACTGATTTTACAGACGTCTTCAGTCTTCCAGTGATTAGGAAGAAAGTTCCAGTAGA
GCTGAACCTCCCTTAAATGTTCTCAAG C/T 0.387 65% 35.2% 196
100.0% 58
rs905552 11 19060468
CCTGACACAAAGCAAGTGCTATCAAAAAGATCAACATTGTTATAATAACTATTATTATTGTTGTTACTCTCGCTA
GGGCTGAGCACTAGAAGAGGGAGAC[A/
G]GGGCTTCCCTGTAGCTCCGAGTCTGCTAAGCAGGAGCCTGATTTGCCATGGACAGGAGTTGACTTCAGTCCTCA
GGCTTGTGGGGTGGGGCAGGGAGGAC A/G 0.563 80% 98.8% 332
18.5% 54
CV1178512 11 46507833
CAAAAAGACACCACAGTGCCTACAGTGTAGATCAGCCTTATTTTACTATTATCAAATATAAACAATTCACAGAGT
GCAAAAATAATGCTTTTACCAGAAA[C/
T]GCTTAAAAACATCTTTACAAAACATTAATGTATTCCTCAGTGCCTCTGGGCAGTGAGCGATAGATGGCAAAAC

ATGAGAGCACAAACATAATCGCAGACAG C/T 0.622 87% 94.1% 188
 6.9% 58
 rs923886 11 96579414
 TTGAGTATAATGACTTAATAAAGAGGCCAAAATGTTTGGTCTACCATGTTTGGAACTAAGTTTGAGATTACCAA
 GATTAACATAGAAGTAGTTATCAT[A/
 G]CACTCCTAGTCTTATCTCTTCTAACTTGTTTTGTGGCCATAATATTTTCAAGTTATTTTAAATTGCTATACT
 TTATAATTTGAATTACATTGGGCTTTG A/G 0.626 86% 14.3% 272
 100.0% 56
 rs1940171 11 124171292
 CCCCATATGCCCTCTCAGCTGCTTCTTTCTAGTGTGACCTGCCTGGCTCCTCTTCAAATACCTGCCATGCAGTGG
 CTTTGAGAAATGCCTATGCAAACAC[A/
 G]AAACTGCTCATGCAAACCCTAGAATCTAGTACTTGGCAGCTCAGTGGAGGCACAGACAACAGGAAGAGATACC
 TGCCAGTCTCACACTCTGTGTAGGGA A/G 0.545 82% 85.2% 310
 3.4% 58
 rs4350408 12 22043980
 TCAGAAACTTCAATTTCTGTTATTAATAAAAAAAAAAAGAATTTGAAATGTGTGCCTGATGTCATTCTCTATTCCCT
 AATTGGTTTCTTCTGGTGAATTCTT[A/
 C]GCTTTGCTTAACTGGTTATTATTGTTGCCTACTTTCATTGGGTACTGGGGAGATTTTAGGCCACTATAGCAC
 TATGCTATCCTAACTTGCAAATGTTTC A/C 0.579 82% 17.7% 198
 100.0% 58
 rs772922 12 54690220
 ACACCAAAGAAAAAGAAAGATAGGTATTTCTAGCCTCGTTTTACTCTGTAGGAACAAATAAGAGTGTGGGACCCT
 GTGAGTGTGGACAATGCCACAGGCA[A/
 G]AGGGACTCCCTTTCTTTATTGGTCTGTTGACTCTGCTGAAGAAAGCTTTGAATTCCAGGCTTTGATTTGCTTC
 CTCTTCTTAGAAGAGTTATGGACTCTG A/G 0.487 75% 74.7% 194
 0.0% 58
 rs1061981 12 87389757
 TTTTACAAACAAAGGCATTTCAAGACTAGTTAATGGAAAGCAGCAACATTATGAATTGTGTGATCAAACCTCCAC
 AAATGAGCTAATTAGAATTTCAATC[C/
 T]GAATGGTTTTATTTTAAAGCCAATTTCAAATAATATTGTTCAAAGATAAGCTGGTTTACTTTAGATTTCTT
 ATCCCCTTTCCAATTTTAAAGTGTA A/C 0.549 82% 83.3% 192
 1.8% 56
 rs4766807 12 115713404
 TTACTGAGTTTGGAAACACTTTCTGCCTCTTACTCGGGCCCTAATGGATACATCTGACTGCATGAAAGATATGAG
 TCATAAACACATGGACCCCATAGTC[A/
 T]ATGTCAGCTGACAGTCACAAGGATCCAAATCAGTGACTTCAAACCTTTTGTCTTTTTTTTTTTTTTTTTTAAAGAA
 ACTGGGTCTCGCTCTGCCACCCAGGCA A/T 0.713 92% 97.0% 198
 5.2% 58
 CV439005 12 131127359
 GTGACGAGACCTGTGAACTCGGGACCCTCCCTTGGGTCAGAGGCCACCGCCGCCTCTTGGAGTCAAGCCTCTGGT
 GCCACCTGTGGGCCCCGTGGGCTGT[G/
 T]TTGGGCGCAGCCCCCTCTTGGCCATGGTCTTGCCAAAGCTGCTTTCTTGGCTGTTCTGAGACTCCAGCCTCG
 AGGGCAAGGCGTACCTGACTTGAATGG G/T 0.537 81% 15.3% 196
 96.6% 58
 CV11500273 13 18883751
 GGTATATAATTTCTTCATGCCTATAGTTTAACTATACCCTACATATTAATCTTTTCAAATGCAGACAATAAA

GTAAGCATATTTTTGTTGCACAAAA[A/
 T]TGCAAATTCAGTCATATATTCATGGACACCCTCCAAATAAGGATAATAACCAGCTAACGCGTGTCTGAGATG
 GTCAGAACCCTGTTCCGTGACGGCACC A/T 0.394 72% 14.3% 196
 86.2% 58
 CV1433571 13 39558947
 TGCAACTCTGCAGTCTCTGTAGAATCTGCCACAATAGGAATAACCTTTATTGAGGTTATTTGCTTACCTATT
 GGTTCCTCAACATTTCCCACTT[C/
 T]ATCTCTTACAAGCGATCAGAGTCCTAGAACCACAGGGAATTTCTGCCAGAGAATACATAAAATATTGCCAC
 TTTCCACTGGATTTTTAAAAAAGTTAT C/T 0.564 84% 92.4% 198
 8.6% 58
 rs4280128 13 73776840
 ATGTAAAGTGCCATTTCTAACACAGATTCAAGAAAAGGCATGAACAAAAAGAAGTATCACAGAATGCTAACAA
 AATTATATTTGGGTAGCGAGGGACT[A/
 G]CGGATAATTCTTTTCTTCTAACTTATCTAAATCTTTTTTTAAGTATTTCACTAAAATCACTTTTTATTACTTT
 AAAATTAACACCTAAAGGAAAGCCCT A/G 0.724 93% 4.1% 196
 96.6% 58
 rs1411736 13 105060209
 CGGAGTCTCTGAGTCCCAGGGCTTCTTCTGCACCTAGTGAGAGAACAGTAATACTCCTCACTCCTCCTTACACA
 CAAGGAAAATTCCTCCTGGAAGAAT[A/
 G]AGAGGTGCGCAATTTGCTAATTACAGCTACCAGTAATGTTAACAATACTCTCCAAGTAATGAAGTAAGATAA
 TATGACCAAACCTGAAACCTCAGATGAA A/G 0.482 75% 97.5% 198
 22.4% 58
 rs2231809 14 21816950
 AGGAAATGGCACTCATGAGAATGTTCTCTCTGACCCTCCTCTTGCCTTCAGGAGGCCCTGTCCCCAGGGGAGC
 CACTGGTTGTGTCCACCGGAGATCT[A/
 G]CAGCTCCTGTACTTCTATGCTGGGCAATGCCAGAGCCACTACTCAGCCCTGCAGGCAGCCGTGGCAGCCCTGA
 TGCCAGTACCCAGGCTAATCAGCCCC A/G 0.597 86% 10.8% 194
 96.4% 56
 rs8009244 14 53633793
 CGCCACTGCACTCCAGCCTGGGCGACAGAGCGAACTCCGTCTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGAAA
 GGCATTTATTACCCATCTTAGCAAG[A/
 G]GACTTATTATTAAGATCATATTCTTACTTCTGTTTTTAAAGGAGTCCAGGTGTAAGTGGGTGTCAAAAAAG
 CATTGGCACTTCTGGGAGTCATAGGTG A/G 0.633 88% 94.1% 186
 6.0% 50
 rs221436 14 78124411
 GTCAGTCTGTAAGATCCCTGAGCATGGTCCAGTAAAGGCTTTTCAGGTCCTATCTAGGCTTCTGGGACATGCA
 GACTGATACACAGCTTCAATCTTTG[C/
 T]ATGTCAGGGGGTGCTGAGGAGAGCAGGGCATAACCACTCAGTTCAAGTGCTCTTACAGAATTCCTCTTCTTC
 AGTCTTTAAATGCACACGGATGACCT C/T 0.618 87% 9.8% 184
 96.6% 58
 CV25995662 14 103902599
 GACATATTGGAAGAAATATGGTGGCTTGAAAATGCCAACCCGGTTAGATGGAGAGAGGCCAGGACCAAACCGCAG
 TAACATGGTAAGGGGGGGGACACCC[A/
 G]CCCTGCCTGCCATGAGCCTGTCGGCCACGCGGTCTCGCCCCCGGTCATGGCGCTGTGTTGGGGCGGTTGC
 GCCCCTTCCGCAGAGTCCCCACGGCC A/G 0.673 89% 88.8% 196
 0.0% 58

rs2714758 15 23026698
CCACAGGCCCCAGGCCAGTGTACGTCAGCCAGGTGCTCAGCCCATGGTGTGCTGAAGCTCTGACCCTTCCTGACT
CCGTGGTCTCCTGCACTGAGCTGTG[A/
G]TGACCATATCCAGGTCCTGCTAGATGCATGCGTGGGAGGCAGGGTCCCTGGGTTGGGTCAATGATGAGAAC
CTTGTATTATCTTGAAGAGAGGTGATG A/G 0.69 91% 92.3% 196
1.7% 58

rs974828 15 58571611
TGTGCCAGACAACCTGCTCAGCCTTTTATACCTCTTGGCCTAACTAGACACACCTGCAGTTTTCCACATGGAATTC
CTCTTCTTGCACTTTGGCCTAAGCA[C/
T]GCATTTTTCTAATGGTGGAAAATATTAACAGACTTTTGTCTTAGAAGGTATCTCACTTCACTTCAAAGCAA
AGTCTACCTTGTGAATTTAATTAGGGA C/T 0.694 91% 92.4% 290
1.7% 58

rs6495569 15 79376056
CTCTATCATCCTGATCTACAGCTGTATTATAGACTGGCACTCGCAACCTGTGTATGATGGCAAGTGTGATGGCAA
ACACAACCTCCTGGCTCTGGAGACC[A/
G]CAGTGCTCACATGTGTGTGTGTTTTTGTGTTGTTGTTTTGTTGTTTTGTTGTTTTGAGAGGGAGTCTCACTC
TGTCACCCAGACTGGAGTGCAGTGGTG A/G 0.375 64% 63.5% 192
0.0% 58

rs900414 15 99589847
ACCTGGGTGAGATGTTGGACTAGTTGACTAGATAGCACCTCCTCTGGGCCAGGTGTCTCCAGGGAGCAACTGATG
GGACGTCAGAGAGGGGCAGTGAAGT[A/
G]GTCAGTACTGACAGCGGAGAGGGTTACAGGCAGGGAGGAGATTATCTCAGGGGCTCTATGATAATCACAATG
CCCAGGTAAACCTCCTCACAGCTGCTT A/G 0.51 79% 94.8% 194
15.5% 58

rs2217271 16 12670919
TTCCAACCTCACCTTTATTTACTAAACAGGTGGGCCAAAGTTTGCTGACCTCTGCACACTATGATCAATCTATTGA
AAGCCAGTCATGGGGATGGGGGTAC[A/
C]TGTTAGATCTGAAAAATGAGATCTGTCTCTGTTCTTTATAAAGTGGGGGAGGAAGGGCGGTATGGTAAGAAA
ATGAACAAATTCTGTGCTGAAGACTGA A/C 0.44 75% 18.3% 322
93.1% 58

rs8046826 16 47951341
AAGAGTCAGTCAAACATGTCTTTAAATGAAGGCTTTCAGATTGGCCGAGGGGATCTAGGGAGAAAGGAGAAAAAC
TTCTCTAAAGCAGGAAGGGGTCACC[A/
G]GGGACCAATATGATGAGTTTTATGGGTTCTGGTACGACTTTGGAGAGGCTGGTCTTTTAGGGCTGATCATCTC
AATGCAGAAAGACAAAGTGAATGTTA A/G 0.649 89% 93.9% 198
5.2% 58

rs4374193 16 76303639
ACTCTTTCCTGGCATTAAATTGGATAACTGTACAGCAAAGGCCTCCTTCTGATACTCAGTGAATGCACAGTGTTT
ATCCCTGATAAAGGGCAAGTGACAC[A/
G]TAAGGTTTTTTTTATCATGGAAAACAGCTAATAAAAAATACGACTTAGTTTTCTGAAAGCGATTATTCTACGTG
CCTCTTTCTCATGGATTGTTGACAGCC A/G 0.566 83% 3.5% 198
86.2% 58

rs276982 16 85982481
GTGCTTGTTTAATTATCTATTGCTTCAGGACAAACCGCCCCCAAAAAAAGTGGCTTAAGTAAAAAATAACTAG
TTCTCATGATTGAGTGGGGTGATGA[C/
G]GTTTCAGCTGGACAGTTTTACTCCCTGAGATGTCAGCTGGGTTCTGTGGTCATCTGAAGGTTTCATCTTGACTGG

ACATCCCTGGTGA CTGCTCACACACT C/G 0.402 67% 33.0% 294
100.0% 50
rs740910 17 5907188
ACGCAGCTGTAAAAAGAATGAGTTAGATTTCTATGAAAGGATTGTAGCATATTGTTAAGTATAACAGTTTGCTA
AGTAAGGTGAGTGGTATAATCATAT[A/
G]TTTGTAAAAAGCAAAACAAAATAAAGCCAAAACCTATCTTTGTGTGTTTGCCTATGAACAGAGAAAAG
GGAAGTGAGGATGCACATCAGACTTAG A/G 0.585 81% 0.3% 332
81.2% 48
rs730086 17 40644922
GAGAGAGAGAGGAGAAGGAGAACCTTGCCCTGGCCAGGGAGCATCTTCCTTTGTCTAAGAAGGCCCTGCGGGCT
GCTCACACCTCATTCTGGTTTTAT[C/
T]CCCCACCCACCCCTTCTCAGGGTGTGCTGAACTTTGTGCAGTACAAGTTTAGTCACCTGGCTCCCCGGGAGCG
GCAGACGATGTTCCAGCTCTCAAAGAT C/T 0.755 93% 93.3% 342
0.0% 58
rs1478785 17 73819988
GGCTTTTCTCTGGGTGAGCTTAGGGACTTCCTGGAGGCTTGAGGGCTACCATATACATAACTGTTTCCATTTAG
GGATGTTCAATTTAAAATAACATCGC[A/
G]GGAACTACTTTGACATTTAAAATCTAGAAAAAGCCAGCAAGCCTGTTTCTTGGCACCTAATGGACACCTTAT
GGGATGGCGTGTCCAAGAGTCTCACT A/G 0.602 83% 98.8% 326
15.5% 58
CV3086255 18 7039282
TGCAGAAGTGAATCCAACAACCTGGGTGAAAGATCGTCAGCGCTTGGTCTGCCATTGATGAGTGATGTATGAAT
CTGAAGATGAAGGCATCAAATAGA[C/
T]GAATGTCAATTGTTTATTTATTTATTTATTTTGGATGGCGTCTCGCTCTTTGGTCCAGGCTGGAGTGCAG
TGGACAATCTTGGCTCACTGTAACCT C/T 0.553 80% 19.7% 198
100.0% 58
rs2306514 18 44398208
GGGTTAGAGGGACGGGTGCACAGCCAGGGCACTTCCTGCCTGGATCCCAAAGCCCACCTGCCAGATTCTGGGTG
CTCTGCTGGGTGGGACCATTTCATGC[C/
T]TTGGCGGTCTAGTGTGAGGCAACTGGATGCTGCCAGAAATTAGGGGCTCCTGCATCACCCCTCTGAATTTCC
CAAGCTGCCCCAACCCCGGGCCCCGCGC C/T 0.704 91% 9.3% 194
100.0% 58
rs3911730 18 66020312
AAAAAATCTAATCTCCCTTTCCCTTAAAATTTACCATTAGAATTAATATATTTGTATTTAACAGATTCCAAAGAG
TTACCAGTTTGATTGGTTTGGTATG[A/
C]GGCAGAAGATAGTGCAGGAACCTCCGAAGGAAGAAGAAAAAGTCCATCCAGAATGCCATCAATTTAGCCTGC
AGATTTGGCTCCACATTAGACCGAAGC A/C 0.567 84% 13.1% 198
96.6% 58
rs1865056 19 9089829
TCCTCTATATGTATAATTATATGTATATTACACAAATATATTCTAATTGTATAATTTTAGGATTAGCTGTAGTCT
CAGTGCTCCCGTGAAAACCTGTTTA[A/
C]TGTGTCTTCACTAGGAAGATTACTCTGTAGAGAAATACTTTCAATTTGAGAAGGAGATGTCGAGTGAAGACAA
GACAGGAGAAAATGGAAGTTGGCAAGA A/C 0.56 84% 10.6% 274
94.2% 52
rs562638 19 44541629
AAGAACCCAGCTCAGCTGCAGCAGGCTCGGAGCTCAGCCATTTCTACCCCTGCCACACTCCCCACCACTCTAAC

ACTAAAGGCAGGAGTTCTGTTTGTG[A/
 G]TATGACTCTGCCTTTATAGTGGGGGCTCCTGTGGGGCAGGCCAGTGTCTTACACAGCTTCGTCACACATCCCC
 ACTGTCCCATCCTGAGCAGGCAGTTGG A/G 0.586 83% 82.8% 198
 0.0% 58
 rs742921 20 882521
 TCCTCATTGTTTTCTCTCTGCAAGACATACTATTGCTTTTTCTTCTGGGTCAAGGCTCTGGGCAAGCACAGCCAGT
 GGGCTGAGAGCCAGGGGTAGAGAGA[C/
 G]TTGGGGACCAACGGGCTCTCACGGAGGGATGAGCTTCTCAACCCTAGCTCAACCCTCAATTCTTTGACACAGG
 CCCAGCGTCTCCAAACATCCAGTGTGG C/G 0.665 88% 88.3% 196
 0.0% 58
 rs880113 20 31873302
 ACCATCTGCAGTCCTTGGACAGTCTCACACACAATTACACGCAGGCCACAGCCATGCTCAGAATCCCACAGCAC
 TCCACACAGCTTCACACATGTACAC[A/
 G]GGAATCTTCTCCCGGCCCCACACCTGCCCAGCACCGACCTTCCAGATGCATTCACTGATTCAACAAATCC
 TTTTTGAGGGTCTTCTCTGTGGAGGCC A/G 0.691 90% 10.1% 198
 100.0% 58
 rs310612 20 62907856
 CGGCCCCGCATGCCCAGCTGCCCTGTCCCCTGCCCTCCAAGTTGTGCCCGCCCGTCCACCCCTTCTCACCTCA
 CCCACCAGGCGCAACACAGCCCAGC[A/
 G]TAGGGCCCCTGCCAGGTGTCGGTGTGAGCAGCCCCTTCCCTGCCTGTGTGCCCCCCCACATGACCTCACCT
 CCTCCCTCAGCCCTAACCAGGTGGGTG A/G 0.801 96% 99.0% 198
 3.4% 58
 rs183564 21 16561693
 ACATGGGTATGAAAAATAATAACATGGGAAGATGGTATCTATCATTGACGGGCTTTCATCAACCCTGTATGATA
 CACTCCAATCCTATCATGAGCTCTT[C/
 T]GAAAAGGATTTAGTCTCTTTTTGTGAGATGAGGATAACCCCAGACATTTAAGGAGCTGATGTTTTCTCAATTC
 CAGAAAAAGAATTGGAACCTCAAATCTG C/T 0.506 77% 76.5% 196
 0.0% 56
 rs766850 21 41467213
 CTCTCTTCTCAGGTTCCACCAGAAACATGTTTATACCCAGGGAAATTACAGAAGGGGTGCCAGGCTGCCACCT
 GCCTCACAGGTATGCCCTATTGTCC[A/
 G]GGTAGTATCTGTTACCTTAACATAACAATGAACCCCAGTGTCTACCAAGGCTGGGCAAACAGGGTGACCCAGA
 GGAGGGATCCATGACACACAGCAAGGG A/G 0.498 80% 11.6% 310
 91.1% 56
 rs25095 22 35677067
 GGAGGGGGCAAGCCCCAGAGGCTGCAGCTGTCCCTGGCCTTGCCATTGCACAGGAGGTGCGAATACGTTAGGCTGG
 CTGGCAGATTACGCTTGGGGAAAC[A/
 G]ATTGCAATAGAAAGTGAGGCTGAGTATCATTACACTAAGTCACCCGCTTGCCGTTGAGGACTGCAGAGTCCA
 AATGGGAGTTGCAGGAACTGGGCTCTG A/G 0.653 89% 92.1% 328
 3.4% 58
 rs138823 22 48388493
 GGCGAGGGGGCTGGGCAGTGCCTTCTCCACCAGGCAAACAGCGGAGCACTCACCTCCGACTTTAGCTGTGCCAG
 GGCCAGCAGACAAAGACGCTGCTC[A/
 G]CCACAGGGACTCAGGTACCGAGCCCACGGCCCCAACCCAGCCGGTCCCCGGAGTCTAAGGCCTCT
 CAACTACCAACTTCTTTATTATCAA A/G 0.57 83% 84.5% 330
 1.7% 58

rs5955757 X 18735265
 ATGTGAAAGTAAAATGGTTTGGGGCAGTTGGATTTCATGCTTCGCCCTCCCCTGTTTATTACCAGGTGGATGGAA
 TGGATATCCTGTGCGTCCGAGAGGC[A/
 G]ACAAGGTTTGTCTGCCTATTGTAGATCTGGGAAGGTAAGGCTCTAAAGCCCTCTGGGCTAGTGACATTTAT
 CTCTGGAAGTTCAAAGACTGCCTCCCA A/G 0.765 95% 96.5% 260
 2.0% 51

rs699863 X 64319586
 GCTTAGATCATAATCATGCTTCTGTAGGTTAATGATTTTTGGTTAGCTCTTAAGGTAATAATTGATATACTT
 GTATACAGGGTCTTATAAAATACA[A/
 G]CTCATACCTAAATCCAGATATTTAATAATTGGGCCATTAAGTCCAATCACACATCACTATGACAGAGCAAAA
 GCTTTTCAAAGGTATAATTTTCTAT A/G 0.763 98% 1.6% 182
 100.0% 15

rs992864 X 109264554
 GTCATTCATCCCAGTGTTTTATGCCTCTGCTTAAAACCTACCTAAACACTCTTCACTCTTTTGGGAAATTTACTT
 ACCTCTTAGCTTTTGGTTCCAGGAT[A/
 G]AATATCACTAATAGGCGTTAGTCTGCTCAATTAATCAATAAATATGAATCAATCTTACTATATGTAAGC
 ATCGTGATATGAAATACGGGAAATAAA A/G 0.747 93% 6.7% 240
 100.0% 51

rs1908816 X 131686662
 GTTGTCTTTATCTTGTCTCATATGCATATACTCAGTTATATGTATGTATACATATAATTTGATTGGATAAATCCA
 CCTAAATTAACTACTCTTGGCTTTT[C/
 T]CTTTGCCATGTGGCTGGAGGGTCCACATATTTGAGATTTCAAATAAAGAACATTTAAGGTATCAGTGGAAAA
 AACTTAGGAAAAAATCTGTTATCTGT C/T 0.685 90% 97.8% 229
 7.8% 51

rs760050 X 147057201
 AGTCTCACAGCCTTTTCCCTGAGCCTTTCAAAGACCTACACCTCTGTGCCTCTATATCACTAATGCTGTACACTT
 CTCAGTCAGGATATAGCTCTGGAAG[A/
 G]CAGGGCTTCCATGTCATGCATGCACCTTGCCCAAGACCGCTCAAATTATGCATGTTTGGAAATATGTGTATCT
 CTGTTGCTGGGCAAAAATTGGATGCTC A/G 0.708 92% 93.8% 243
 2.0% 51

European-East Asian comparison

SNP_ID Chromosome Physical Position in HG16 FASTA sequence,
 length 201bp (variant whose frequency is quoted is given to the right of
 the '/') SNP (same direction as FASTA; variant whose frequency is
 quoted is given to the right of the '/') Entropy (50% European, 50%
 East Asian) Delta (85% average) European Frequency n
 East Asian Frequency n

rs1240709 1 1289239
 GCCTGGGGGGAGGGAAGGCCTAGGAGAATCCTATCTGGGTGGCACAGCAGAGGACTTCCAGGCAGGATGCTGAAG
 GATAAATGTGGACACGGGTGAGGGA[A/
 G]GCACCTGTGGAATCTGCAGGGAGGCTGGACTCCAGTCCTGATGTGCGCCCGGGGAACCAACACCTTGTTCAG
 GGTCTTGGTCACCACCCTGACTGAGC A/G 0.494 77% 20.6% 262
 97.4% 78

rs917105 1 35367136
CTGTATTGGAGATGTGTGTACCTAAAATGGAAGGACCCCATCTAAATAGGGAAGGACATTCTACTTGACTAACC
TTTTAATGATAACATAAACCCAACT[C/
G]GCTCAATTTCCATCAAAGTATGTACCACTCAAGTCCTAAATAGTGTTAAGAGAACCCATATGTGTTTGTAAAGT
CAAACCTTTGGTATATTAACACATACTT C/G 0.371 65% 89.1% 156
23.7% 80
CV3067292 1 61956096
TTAGCTTAAAATTTTGGATGCGGAATAATTTGGTAGAAAAAATATTCATTATTTGCAATGTTTTCGTCTACATAA
GAAAGGCCCTTCACTATGTATACAG[C/
T]TTTTGTTGAACAGCCACTAGCCTTAAAAGACTACACAGTATTAACCTCACATATTCATTTAAATGAATAAAGG
GACAGGTAATGGAGATCTAGCAGATTG C/T 0.371 69% 89.6% 154
20.5% 78
rs997370 1 95091169
CTAGTTAACTGTAGAGAGGAGATATTAGATTAGGTAGCTATTGTCTTATAACAAACAATTGAAGGACCTGGAGAT
GTCAGCCTAGAAAAGCTAAGAATA[G/
T]AAGGACATGATGGCCTTGAAATGTCCCTGGAAATGTGAAAGGACTACTAAGTGAAGGGGGAGTAGACTTATT
CTGGATTGATTCTGATGTTGGGACTAG G/T 0.296 63% 17.3% 266
80.0% 80
rs2768744 1 154088941
AGGGCTGAGCTGTGGCAGGCCACCTGGTGGGACTGAGGATGGATAGGAGGAAGCACAGAGGA
GGCTAGAGGCTGAGATTCGCCCTGC[A/
G]GGAAGTGTGATGGGGCATGCGGCTGGGCTGCACTGGAGGGGTGGGTAGACGCTGGCACTGGGAGGATAGGTGG
GCCAGCATCCTGGATGAAAGGCTGGAG A/G 0.308 64% 16.0% 156
80.0% 80
CV1776485 1 175191361
TTTATTTCAAACCTTAAGCCTATGGGTCACACTTATTTCAAGCAATTTTCTTAAAGAGTCAGGCTGTTGTG
TCTTTGCCTCTCAAAGTCAGCAGC[A/
C]GTTGAAAAGGTAATGTTCCAATCAATAACCATTTGAAAACAGAAATAGATATTTAAGATGAGTCTGTGTGGA
ATTGCTCCTTTAAGACATCTTTCTCA A/C 0.233 55% 69.2% 156
13.8% 80
rs2065160 1 201968410
TGCTGATCAAAGAATTACACAGACATTTATAGTCTAAGACAGGCATGAGAACATCTGAAAACACATTGTAAAGAA
TGGCCTCTCGATGAGTAAATATGGG[C/
T]CAAATGAAGTAAACAGACTATGCGTAGGTATCATCAAATATAGAGAGAATGAACAGACCGAAGAAGGGAAATA
CAAAGAGTTTGGACGTCCTCACAGCCT C/T 0.367 68% 89.6% 288
21.2% 80
rs4348732 1 227425032
ACTCCAGTCACTCACCTAGTCAGTGGTGATAAGGGCAGGTACCTGGTTGGAAGGTACCTGTGTGTACAAAAGGC
GCACCAGTCACTAAGCTTCGACT[A/
G]AGTTCCAATGCTCAGGGCAGTCTGTGTGTTTAAAGTAGGTGTGGTAGTGCCTAGACCTACACATCTCATTCTT
CCTGCCGGTCAGTTCTGTGTTGAAGCA A/G 0.148 43% 57.1% 156
13.8% 80
rs3904857 1 243256554
CAAGGGTTTGGGAAAGAGACCTCTGTCCAAACAAACCTCCTTCTCCGCAAGTGCCAACACCCATCCTTCTTCA
GCAGTTAAAGAGGAGACAGTAAACA[C/
T]AATTGGCTTTCTCAGAATGGAGGGTATGCAGACCCGGTGCAGGGTAAGGCATAAAAGACTAACAGAAGACCGT

CCTGGGGTGAGTTTTGAGGAAGACAG C/T 0.361 63% 64.1% 156
 1.3% 80
 CV1284148 2 7108828
 CTTGAATGACTAATGTCTTGGTTGTACATTATTTACATATCTGGTGGTCCCAAAGGTTTACTTTTGTGGGAAGA
 TCTGCTGATTAAGTTGTCAGCTGAT[C/
 T]ACTCAGAGTTAGTTTTTTCTTTTATTACTATGTGATTTTTGGCATATATATAGAAGTTCAAGACTTGAGTTTC
 ATTTTTACAATGTATCTTCTAGTCCAT C/T 0.132 42% 78.2% 156
 35.9% 78
 CV2130458 2 26198082
 GCCCAAGAGCTGGGAGCAGGTCCCCAGTTGGAGTCAGGAAACCCTAGCTCAGGCCTGGCTCAGCCACAATATGC
 CGCGTGATGCTGGACCTCTGATGCC[A/
 G]GGACTCATGGTGACTTCACCCCTCTGAGCCTGTGCCCTTATATGCCAGCAAGGGGCAGCCCTGCCAGCCAC
 CCACACAATGATGGTGTGAGGAGCAA A/G 0.352 60% 40.3% 154
 100.0% 80
 rs3755447 2 74714732
 TGCTGGGGAGAAAGGAGGGGCAGAGTCTTTCCAGGGGATCCTGGAGAATCAGTTTGAAGATCAGTGCTCCCAG
 GGAGATCCAGCTAGTAGACTTACAA[A/
 G]GCATTTCCGTTACACGGGAACCAGCAGGATGGAGCTGAACAGCGGGGTGGGCTCGGGACGAGGGTAGAGGGC
 TGGCACAGCAGGGTAAGTCTTTGGC A/G 0.424 74% 14.7% 156
 88.7% 80
 CV1604913 2 136122191
 AAGGAGAACTGAGTGCCCGGATGAAGATTCCAAGCAATATGTGGGTAGAAGCCTGGGAAACAGCTAAGCCAATTC
 CTGCTAGAAGGCAAAGGAGACTCTT[C/
 T]GATGATACACGGGAAGCAGAAAAGGTAATTGAGTTTTGAGTCTCTAATACTAGAATGCAAATTACTGTTCTTA
 TGATTTAGGAACTCACTGTCATAGACG C/T 0.467 72% 71.8% 156
 0.0% 80
 rs920249 2 201514872
 GCGAAACAGGTCCTAGAATCAGATCTGTGTCACAGAATAGATGCTGTGACAACAAGCAAATTTGGGTTTTGAGTT
 CAGTCACATGGAAGATGTTGATATA[A/
 C]ACATGAGGAATGAGTCAAGATTCCATTGTTAAAGCAACGTGGCTGAAATTTGATAGTAAACACTCCTAGTGTA
 CACTGAGAGTATCTGGGGTAGTATAGT A/C 0.166 43% 90.9% 154
 47.5% 80
 rs2215173 2 235141922
 GGTTTACTTTTTTGAATCTTGGCTACTTCTGAGTAACAGAAAACAGTGGTCTCAAGAGAAGAATGCAACAGTTGA
 GTGAAAGCCATTATTTGCCGTGGTT[A/
 G]AGTGACATGTACTCTCTCTCTTCTGTGGACAGGGTATTGAGATGTGTCCTGCTGTGGAACAAGATTACCTTG
 TGATTTAATGATAGACATAATGACAGG A/G 0.21 53% 82.5% 154
 29.5% 78
 rs3816835 3 4726802
 TTGTTAAATTGATTTTTTTCGTCATATTTAAGCTACATGCAGTGGTACCTTGAGTAGCATAAGGGCCACCTTGA
 AAGAAGGGGTGGTGGAAAGTTGAC[G/
 T]TGTTTTCACTTTGTTTTCTGCATCAGAGGCTAATGTTTCAGGTAACCATTGGGCAATGTCTAATAATTTGAGA
 TGCCAGACGGTACTAAAGTTACTCTAA G/T 0.175 46% 45.5% 154
 91.0% 78
 rs2362905 3 58069904
 GTTAATATCACATATGGAGGAGCCCACATCCCCGGTGAGCTATTCCTCAGAGAGGACCCAGAGAATAATTGATT

TTGCAGGAAAATGGGTTTGATTTTG[C/
 G]TTATCTCTCTGAGTGGGGAAAACAATCTGATATTTGTAATAGCTGCAAAGGAGAGTTTTTCTTAGGGCTACA
 TCTCCAAGATTATCTCAACTCCCAGTA C/G 0.497 77% 79.6% 152
 2.5% 80
 rs1027402 3 76273727
 CCAATGAAACCACCAATATTTTGAAGTACTCTTCAAAAAAAAAAGAGGGAGCAAATATTAAGTGCCTGTCTCAG
 TTAAATGTTTAAAAGCATATTATGA[A/
 G]GTAACACACAATCAACTAGGACCCTCCAATAAGATATATAAGCCTCTGCTTAATTTTTTAAATGGAAGGAAAC
 ATTAGCAAAATGCAGTGTAATATTAGG A/G 0.153 40% 91.8% 256
 51.4% 74
 rs33262 3 124734125
 ATCTTGGCATCCTCCCGCCACCCAGATGAATGGAAAGTTCTCTCTCCAGGACATGGTTATCCTCATTCCCCACT
 CCTGTGCCTCACGATTCTTACTCTT[A/
 T]TGACAGACTTCTAAAATTCCAGCCTAAATCCTCTCCATTACAGTTTCTACAAATTCTGACTCCTAACTACAA
 AGGGAAGAGAACAGAGTGAAGCCTTCC A/T 0.336 64% 75.3% 146
 11.5% 78
 rs181696 3 156587017
 AGTCTGAGGCACTCATGGGAAAGGTGGCAACAATGTGAAGTCAAGAGCATCTGAGATCCATTTG
 CTAGTAGTAATGTTGTTTAGACATT[A/
 G]AGGAGCTGCCTGGATCTGCGGACCAGCGCAACCCCATTTAAAGCAAAAACAAGGCAACTGATTTATTGTGTT
 CTTTACTATCAGAGCAATCTCTGATTG A/G 0.186 51% 76.9% 156
 26.3% 80
 rs1994855 3 193388479
 TTTTCCAGACTAAGCATACTCAATTTTCTTCTATTTTCAAAATGGAAATAATTTCTTACTCATCCCTTGAATT
 CTCTTAAATCATCTGTCAATTCTCAA[A/
 G]ACAAAATGCAAGCATGGTCCCATTAGCATTAAATTTTCAAGCTGGGCATTGTCACGCAAAGTCATATTCAATT
 TTGATGGGGTTGTTCTGTGAATCACT A/G 0.196 52% 73.7% 152
 21.8% 78
 CV470126 4 1275351
 GTTTGTCACTTCTGGTACTGGCTGGTGAATGTGGGAAACACTAGATAGGAAAAGTTTCCAGAAATCCTTTCATTG
 TGTATTGAAGGAACTAGGAAGGGAG[A/
 G]TGGAAGGTCTCCGAAAGGATTCTTCTCAGGTCTTCTACTGTTTTGTAATCGTGAATGTAATTTGTATTCCA
 GAGTGATTGCATAGCTTCTGATTAATAA A/G 0.199 46% 51.3% 156
 5.0% 80
 CV37329 4 22808421
 TTTCCCCACCTATTTTTTTTTGCAGAACTTCTAAGTGCTGCTGTATTTACCAAGCTCCAGTTGATATCCAAATT
 GGACAACCTCTGTGTGCCAGGACAA[G/
 T]GTGCTAGGCTTGCTTTAAAATGATACATACAAATAAGATAAAGCAAAGAGACTTGGCTTTAACATTCAAGTAAA
 ACAATAATGTGTTTCTTAATAATAAAC G/T 0.21 52% 36.8% 152
 88.5% 78
 rs575774 4 60926884
 TGGTAATCTCTAATGAGTTCAAGTTATGTGAGTCAATGTTTCTGTCAATTTGAATCTTTATGTTAATCCAGAAAA
 GTTGTTATCGAAGCTGATAAAAAGTA[A/
 G]ACTCCATCATTTCTAATGTTTCTTTTTTATTTAACTGTTAGAGCAATGATGATTAATTTTTAATTCAGTGTAG
 GTTTTCTATTTTTAGGTGTTTTCATAC A/G 0.187 49% 15.6% 154
 65.0% 80

rs3775350 4 101781803
CCACGAAGTAAAGCTTTGCAGAAGGCAAGTTTATAGCTCATAAATGTTTCAAATTCCTGTCTGCCCTGCCGAA
TCACATTAACATAATACTGTGCAC[G/
T]AAATAGATGATCAATATATGAAGCAACAAGCATTAAATATATCTAAAATCTTGTTTTGATATGGAAATTTTAA
ACATAGGTGATGATTTCTGTATTACTG G/T 0.345 68% 82.5% 154
15.0% 80
rs4956510 4 142595892
TTTCATTTAAAGACAGCCATGTCCTCAACGGAAAATGATCATCCAATTAACACTGTCTTCATGTGGTTTTATAA
GAGATTAGCATCTGCAATATCAAAC[C/
T]ATTATTTACCAAACAGACCATAATCTGCAGACCTGTGTTGTTGGGATTTTTTTTTTTACTTCTGCCCAAACA
GAATGTGAGTTCCATAAAACAAAGGAC C/T 0.25 58% 24.4% 156
82.5% 80
rs1071738 4 170545279
GACCGCACTTATATGCATTGCTAATATGGAATTTAAGATACCATACACAGTCTCTCATGGACCTATCTCTATTGT
AGAATTATGACTTATGTCTTACTTG[C/
G]CAAATTTTTCTGAATGTGACCTTTTTTTGCTGATTTGCTGGGTTTGGGATTAAGTACTAGCATTATTTGCCACCT
TTATATTGATTTATAAAAAAAAAAAGT C/G 0.122 35% 59.0% 156
93.8% 80
rs1877730 4 188301366
TGACAATATTAACACTACATTCTCTTGTGTTAATCGTCTCATCTAGACTGAATCTCCTCTCCAATTATAACTAT
ATCCAATCCCAGATGAAGGTCTCAC[G/
T]GCACAGTTATAGGAGTGCTCCGTGCTGGACCCTGGGAAGGGGATGCTTTAGAAGGGCCAGGACAGTATCTGC
GAGGGGCTGAAGGTACTCTTGCAAGT G/T 0.359 67% 26.6% 128
93.8% 64
rs3756345 5 1862058
CTACATATTTTTATGCCCAATCATTTGATCATCAAGAGGTCAATGGAAAGAGTGTTTCCTATTTTTTACATTAGT
GACGGGCGAGGGACTCATTTTACAG[A/
T]GGTTGGACACTTCACTGTGTATGATGTGCCGTGTGCTTAACAAGAGATGGCGTGCGGGCTGCTGTGACGGTTC
TCCCTTGATTCCCTCGTGAAGTGCAGC A/T 0.208 49% 91.7% 156
42.5% 80
rs4702813 5 11795406
TTTCCTTCTCTCATGTAGATCAAAGAAATGTCTTCCATTTCTTTCAGAGAATACCCCCCTCCCTGTTCTTGATCC
TATGTTCTAAAAAACAATGTTGGC[A/
G]AAATATAATTACTTTTTGGCTTTACTTCCATCATCAGGCATTACTTTCATAATCTGCCATTACCTTATACCCAA
GTGAATAATGAAATATGGCATTAGAAC A/G 0.308 60% 65.4% 156
5.0% 80
rs1469096 5 53594200
TCATTCCTTGTCTTGTGTTTCCCTCTTTAAAGAAAATCTGCTGTATTCCAACATCTGTTTTATGAGGAAGTGGC
TGAATTTCTCCGTCTGTTTTCTAG[A/
G]CTAGCTCAAAGACAGGGATAATAAAGTCTGGGGCATGTGGCTTTATCTTGGGACTGTAAGGCAGATACTTTGT
CCTCTAATAACAAGAGCATCATTTAAGG A/G 0.298 53% 46.8% 156
100.0% 80
rs301289 5 82690308
CATGTGTTTACTAATTTGTCGAGGCTTGATTGGCTCCAGTGAGAGTTTCTCTAGGAGAACAGCAAGAGTCAGAG
CTAAATAAGGAGGATGGGCCAGATA[C/
T]GGAGAGGGTGATCAAGAAAAGAGCCTCCTGGCAGTACTATAAGTTTCATTATTATTATATAATATTTTCACA

TTTATTCTGTGTACCTTTCTGCGGCAA C/T 0.18 49% 17.3% 156
 66.2% 80
 rs35294 5 142387537
 TTTTTCTGGCTCAGTCTGTGTGCCAGTTGGAGTGAGTCTGCTCAGAAAGTGGATTCTCCACCTTGGGAACCC
 TGTGCATCCAGAGACTATGGGACAT[A/
 C]TTCCTTTTGACTCAATGTTTCACTTGGGATCTGGCAAACATAGACGTATCTCTTGAGGGCTAGGAGTGCCACT
 GATGGGGCCACATTATCAATCCCTGCA A/C 0.401 72% 19.5% 154
 91.2% 80
 rs4976539 5 167618169
 AGCACCCAGCCTGCTGTGATCCTGGACTGGAATAGCAGTGACCTCAGCCTTTCTCCAAAGCTCATATTCGTATGA
 TCATTGAGGCTCTACACTCTCCAAC[A/
 G]ACTTGATCCTTCAACCCGCCCTTCTCCTTCCCCAACATAGATCTTATATTAATCAACTGAAAGCAGATGTTT
 TTAGGAAAGAAGTAGGTGAGGCCTGCA A/G 0.233 56% 21.2% 156
 77.5% 80
 rs2148088 6 7006911
 AAAGCTCTAGATTGCCTATGCTGGGTATGGTTCTACCATTGAGAACTCTCCACTAATTCAGTCCTATCACAAA
 ACTTGGTTTTTAAAAGATGAGCCCT[A/
 C]CAAATACAGAGAAATGTGCATCATGAATATTCTTGTTTAAAAGTGTTCATTTTAGGCCGGGCACGGTGGCTC
 ACACCTGTAATCCAAGCAGCACTTTGG A/C 0.478 78% 89.5% 152
 11.5% 78
 rs243123 6 48680425
 CCTTCAAGCATATGGAGAGAATCTGTATTTGTGGTCTGTACCTTTTGACATATACTATGCTGAACACATGGCCTT
 TCCAAAATACTGAAGGAAACAGTT[C/
 T]TCTGAGTATCATTATCATGTGTTTCCACAGTGACATCTCATTGCAAAGAAAGGTGAAAATTGTTGCTATGAG
 ACTTTGAGTTGATGGAGAATAAAAGAG C/T 0.262 59% 75.6% 156
 16.3% 80
 rs2269579 6 122136989
 TAATGTATCAACTCCTTCAATGCCTTCTGACTACTCTTCAGGACCGTCACCCTCCTGAAGGGGTAAGATTTT
 CTCCATGGTTTGGGGCCTCATGATC[A/
 G]AAACAACCTGCTTCTGCACCTTAAACTGAAGCGATGATACAGAGTAGCACTGAATCGGTGTTAATAAGCAGGCA
 ATAAGGCTATAGCCCCAAGCCTCTAT A/G 0.148 43% 13.5% 156
 56.2% 80
 rs909792 6 149794702
 ACTGTGAAAGAGCTATGGAGTGAAGCCTTGAGCCTGGAGGATGGGTTGGCAGGCCATGGGGCAGCTGTCTGCATG
 TGATGCAGTGTTGCCTGTGCCTGCC[C/
 T]GTGCTGGGGTTGTGCAGTGAGAAGGACATCTAGGACAGACCTAAAAATTAAGCATGTATCATGGTCATGCCTG
 TCGTGTATTTCTGTAAACATATGCC C/T 0.363 69% 85.3% 156
 16.3% 80
 rs3055 6 169823021
 CCTCAGAAAGAATGTTAAATCTTTGAGAAGATATAACAATAACTCTACCAGGTCACCAAAGTATCTGTATATGCT
 TTAAGTGGCATTTCATGTCACCTTA[C/
 T]CGCATGGAAGAACGCTCTCCTTTTAAATCCCTAACTCTTCTTCTGGGAAGACAGAACGTGCACAAGGGGAG
 CAAAGCGAATGCAGGAAACCAGTGCCC C/T 0.452 72% 26.9% 156
 98.8% 80
 CV2622071 7 5893110
 GTCCCTGCTGTCTCTGGGCTCTGCACATGCTGTTCTTTTCTCCGACTCTTTTCCAACCTCCACCTCCAGCCAGT

TCACACTTCCACTTCTCAGTTTAGA[A/
 C]TTTACTTTCTCTGGGACACTTTTCCTTGACATCACCATTCCCCAAGACGGGGTTAGAAACCCCTCCTCAAGGC
 CCCACAGCACCTGTGCTGATTTCTA A/C 0.124 42% 67.9% 156
 26.3% 80
 rs1053962 7 24445570
 ATGTGTTTTAGGTATTTGTGAAGTGTCAATTTGATTATAATCCATACAATGACAACCTAATACCTTGCAAAGAAG
 CAGGATTGAAGTTTTCCAAAGGAGA[A/
 G]ATTCTTCAGATTGTAAATAGAGAAGATCCAAATTGGTGGCAGGTTAGTATGCTTCTCAGAAGTTCCTCAGCTA
 CTTTTCTAATTTAATCTTAGATCTGA A/G 0.262 57% 65.5% 142
 8.3% 72
 rs6463247 7 44580396
 AAGTTGCCCTGGGGGAACGGAACAAACACTACTTTTTCTTCAACCTTTGCTTCCACAGACTTTTTTCATCCCTAAG
 ATACTAGAAGAAGAGCATACATAAA[C/
 T]GACAAATATAGCCAATGTGATACAGAATGTCAGATACTATGATAGAACTTGGCCCTTAGCTGGGTGGTTGAA
 TTAGGTGCTACTTTTTTGAGATGGAGT C/T 0.273 60% 85.1% 154
 25.0% 80
 rs7803075 7 130158317
 AGCACATGCACTTCCCAAGTCGTTGTTTTCTTTGATCTCCTTAGACTCTCTGCCTCCTAGAGAATCTAATCCACA
 TGAAGTGCCTCCTGGATCTTTTAC[A/
 G]TAACTGTGGTTTTTCCACAAGGTTCTTTAAACAAAGGTCCACGTGATAGATTTCTGCTCAAGCTTAGTTCCAGG
 AAACGTTTGGTTTCTGCAGATGTTTAC A/G 0.366 67% 71.7% 152
 5.0% 80
 CV514951 8 12730715
 AGGTTATAACCTGAGCAGACAGGAATACTCACTTTGAGCAACTGTCTAGAGCTTTCAGAGCCAGCCATACAAACA
 GTCAAAATCTGATGCAGAAAGAGTA[A/
 C]AAAACCCACAATGTAAAATAATGAGTAATATTTTTTAATACTGTGGTATCTGTTTCTGATTTAGGGTCAATCT
 TAGTTTACAACTGAAGCGAGAAGACA A/C 0.627 87% 9.3% 150
 96.3% 80
 rs876058 8 29047343
 TGTCATGAAACCTACCTTTATTTTCGGTTTAAACACAAATTAATTCTAAGTCATCTGCCCTATTTTATAGGCAAGAT
 GATACCACAAGAACACAGACTACTC[A/
 G]GAATAAAAAAGGACTCCTTAAATGCCTCCAACATCTTCCTCCTTAGAGGAACAAGCATGATACTTACTTGGCA
 ACCTCCTCCACAACCCCTGTACTGGG A/G 0.159 47% 24.4% 156
 71.3% 80
 rs2290201 8 82444664
 TCAGAAAATATGTTTCTTAAATGGCTTAAATACTTCCTTTGACTAGAAATGACATAGTATGCCATAGAATTATCA
 ACCAATTTAAAAGGAGAATGTTACG[C/
 T]ATATAACATACCTCTTCTTTGATAGTAGAGGTTTTTAATTTTTTAGACGCTGTTAACTGTCAGCATGTCATTG
 GATGAATGTCTCTCAGATAACTATGGA C/T 0.187 51% 19.7% 122
 70.4% 54
 rs7845391 8 121667530
 TGGTACAGAGGAAGTAATAAAATGGTCAAGATGGTCTTCTTGCTGGAAGAGACTCCAAGTCATTTTTACAAGGC
 TTGGCTATCAATTGTAGACATAATT[C/
 G]TACTGCCAAGCACTCCTGTCCCAATCACCAGTTGAGGTCTGAGACTAAGCAGCCCCAGGCAGGGAGTGAAAG
 CAGGGTAGCCATGCTTGGGTGTGGTAA C/G 0.262 59% 76.9% 156
 17.5% 80

CV401132 8 144976682
 AGGAGGGTGAGAGGCAGCGCGGCCCCAGGGATTGTGTCCTGCAGGCAGAGATCTGTGGGAGACCACAGAGGAGG
 GAGCTCCAGTGTGCACATCCTGCGG[A/
 G]CCAGCCTCCTACTCAGGAAGCAGCAGTGGCACCCAAGGCCTCAGGCGTGTACTTGAGTCTGACAGAGGCGGGA
 AGCCTGGGCCAGGTCCTGGGGACTGA A/G 0.298 53% 46.8% 154
 100.0% 80
 rs913258 9 4867246
 AAAGCATATCAGAATTGAGGAGGGGGCAGGATGGAGTTTATAGGTGCTGGGATCAGAGGGAGAGAATAAATGACC
 CTGATACTCTTACTTAGGAAGGCAT[C/
 G]CTCCCCCTCCCTCCCTCCCTCGAGAATCATGGCTTTAAAGACACAGAGATGAGAAAGAGTGGATAGCCAAC
 CTGCCACTGCTTAGTAGGCAATGAAT C/G 0.242 57% 14.8% 142
 71.3% 80
 rs6476611 9 37027959
 GGCCGGAGCTGGACTCACAGGATTCGGGGTCCGTACAGCGCGCACGTGGTACCGCATCTTCGGCAGGCGGCGCCC
 CTAATGCCAGCCCCGCCCTGCTTC[C/
 G]TTTGCCGGGCCTGAACGGTGTGAGCATTGAGGGTGGACGCCGAGTCGCGGCGAGTTGGTCCCTTGCGGTATAA
 ACTTGGGGCTTCCCTAGGGGCGGTGCC C/G 0.219 51% 8.3% 156
 59.0% 78
 rs1449662 9 100250928
 TATGGTGTATGATTGTTAGGACTTTTATTTATAGATGAGAAAATTGGAAATAAGAAAAATTAATTTGCTCAAGT
 ACCCTGATTATAATTCAGTTAGTAA[A/
 T]TGAACGAGGATTTGAAATCTAGTCAGTATGGTTCATCCACTACCCTGTTTGCCTCAGCATAAAATGACCAATA
 TCATTACACTGACTAAATACATTCCAA A/T 0.2 42% 43.5% 308
 1.3% 80
 rs644490 9 121178715
 AGGTAGGTTAGCCAATAATGGAAGCAGGGATGATTTACCTTTTACTATGATCTCAATAATGTTACATTACAGA
 ACCATGTTCTGAGATTCCATTCCCA[C/
 T]CAAGCAAGCTTCTGAATACAGTTTGGCTTCCCATAAATATCTGCTAATAGAGAAGACTGCTCTCAATTACCAG
 CATCTACTTCTTAAACTAATAAAGTGA C/T 0.218 53% 86.3% 270
 33.3% 66
 rs4427247 9 136072562
 CTTTTTTTTTTTTTTTTTTGGATTATATAGATTCACAGTTTTATCTCATCTATAAAAAAAGATAATTCCAGTGTT
 ATTTAAAGGATTCCAAACCATAGAT[A/
 G]AAGACATTTTAACTCTTCAATTCATTTTACAAAATCAGAATAAAAATCTAGATAAAATAGCAATAGAAGGAA
 ACTATTTAGCTACCACAATCATATAAT A/G 0.153 46% 74.3% 152
 28.2% 78
 rs768629 10 2305845
 GAGAACTATCTGAAGTACTAATGGTAGAGTATTGTCAACAATTAATGACAGGAACTAAACCACAAATCCAGGAC
 AGAGAACAACAAGTAGTGTAAAGTCC[C/
 T]GAAATAAGGATACCTACTTCTCACATCAAACTGCAGAAAGCAAGAGACAAAAGTGAAGTCTAGAAGGAAAT
 GGGGTGGAGATAGGGATAGGGAGATAC C/T 0.128 35% 6.5% 306
 41.2% 80
 rs2296511 10 15562824
 CAGTAGTGTTGGATGGTGTGGTCTTAGTTCTAAGTTCTATAGTAAATCAGTCATTTACCTTAGTTCACCTTGTA
 AATTCTATAGTGATTCAGACATTT[C/
 G]TCTCTGCAACTTATGCTGGATTGATCTGGACTGCAACTTACGTTCCCATACGCATTTCAAAGTGTCTGCCAAG

TACAGAACGATTAAGCAAAAGAAAAT A/G 0.323 56% 99.4% 156
43.6% 78
rs1911414 10 55101819
TTCCCCTGAGAATAAAATAGAGAATAAAATTTTTAAGAACATAATGAGCTCATTGGAACTCATGCATGGAAACA
TTGCAGTGTGGGCTCCTTCCTTTC[G/
T]AACCTTCAGAAGTTACAATTTAGGGGTGCTAAAGGATTTCCACACCCTTAGTTACCACATCCACTTATTAAGT
TAATTGGCACTCTTGGAAAGGGCACGA G/T 0.16 46% 18.8% 154
65.0% 80
rs765833 10 83545325
CCAGTTGGAAGTGTCTGTAGAGTAACTGGAATGATGGAGACAAATATTACATCATGGCAGTGGGGATGCTGTAGG
TACACTGGAACAGATTTTGATCGTA[C/
G]TGCTTCAAACAAAGTAAGTTAACTGGCATCCATTATTTAGCAAATGAAAAAAGGGAAGAAGAAGAAGAA
ACAGGCAGAAACATGGGTACGGAGGCA C/G 0.218 54% 69.2% 260
15.4% 78
rs568110 10 114814858
GACTGAAAACGGAGCCCAAAGGGGAAAGTGGGCATGAGGGAGTCAGGGGCCCTAGCAGCAGGTGGCTTCAGGTCA
TTCCTCCAAGTTCATCTTCTGCTCC[A/
G]AGAATGTTGGATTATTGGGAGCTCTCGAGACATGTTTAGGGGAAGGGGGTGGAGAGTAGGAAGTCCTAGCCCC
ATCAGTACACAGGCAAATCACCTGACC A/G 0.257 59% 80.0% 260
21.2% 80
rs2927504 10 127460863
GTAATTTACATTGAAGCCCCAGTCCCTTCCCTCTCCATTCTGCAGTTCACGGAGGTGATGTCACCCCATGCG
TGGTGGAGACTTAGGCCTTCCACGT[A/
G]CCACCCGCTGTCTGGGGCTTTCAGGCCTGTGAAGCATTTTCTTGCTTCTTCTCCACTCATAACCTCCCTCCCT
TCCCAAAGATGTCCCTACCAGCATCAC A/G 0.201 53% 24.4% 156
76.9% 78
rs2013262 11 12186654
AGGGGAGCCCCCTGCATCCTTCCGTCCACCAGGCCCCGACCCAGTACTGCTCCCTGGACAAGGCAGGAGACCCCTT
TCCCACCAGTCAGGGAGCTGCCATG[C/
T]ATTTTGCACGCAAACAGTAGCTGGTGTACAGTTTCTGATTCTTTGGCTAAACCTAAAATCCCATTGGCGAAA
GCTCGTTTTCCACCATCCTGGGCC C/T 0.317 63% 91.3% 298
28.7% 80
rs3825016 11 64134646
AGCCATCCACACACGGCTCCGTGTGGCCCTCGCTCCAGCTGGTGGCCGTGGCATTGGGGTCCAAGAGCTGCCACT
GTGGCTGGCGGAAGCGGCGGCACTG[A/
G]TGGGGCTCTGTTGGGGCCCCGGCGGGATGGAATAGCCAGGAGGGCCTCAGGACTCAAGCTCCCTAGGATGC
TGGCCTGAGCCGTGCTGTTGTCCAGGA A/G 0.199 52% 27.3% 154
79.5% 78
rs7104113 11 114707909
AACCATCATTAAGATTAACATCAGTAACTCAATAAATTCTAGAAATAACAGCTGAAAATGCATGAGAATGGCA
AGACCAGACACCAATACGCATCATG[A/
G]TGGAAAGATGTTTAAAAGGTATGTCCTGTAAATTAGGAGATATTTATATAGTATATAGAATCTCAAAGTTGCA
CTGCTTTATTATTTTGAATCCATTCT A/G 0.283 58% 64.5% 152
6.2% 80
CV1534249 12 22539123
TTAAAGAATTTCTTCATATTTCCCAAATGAAATGTATATAGTAACAGCAAAAATACACTTTCAAATCCATACTCTC

TTTTTTCTAAGACATACACACTTAC[G/
T]GACCAATCTGAACATCCATTTAACATCATCCTTTCTAAAAGAGAATTTTTCTATCATAAGATGAACTATTAT
TCAAGTGGTTGCTCTAATCTATTAAT G/T 0.447 75% 82.7% 156
7.5% 80
rs7957445 12 51694847
AAAGCAACCTTCAGTTAAACAAAGGGGTACATCAAGTTTGATACTCTTGGATTA AAAAATCAGGTGACAATTGGAA
CATGGAGGAGAAATTCATGATTATA[A/
G]AAACCATGAAGCCAATCTTTTTTACAACAAAGCTGCTTGTTTTTTTCTTAATCATGTAGTGGCTGCTATCAGG
CCAGTTCTGGAACCTCACTGAGTCCCT A/G 0.239 57% 81.8% 154
25.0% 80
rs593226 12 110405839
TATTTTACTTTATTTATTTGATTTTATTTGATGAAGTTTATTATTTCTAGTTTGCTTCTTCTATGACCCCTACCTGT
TGTGGGTCTCCAGGCAAGCAGTGCA[C/
T]AGGTAGAGCCATCCTTAGGTAGCCTTTAGACTTAATATTAGGTGAGCTCTCCCCACAGATAGCCTCTCCTTTA
TTTGAATGGAATTATATTTAAGTTTG C/T 0.401 71% 78.8% 156
7.5% 80
rs7489187 12 129979405
GGGCAAGCAGCATGCCTGGGGAGGAAGCGTGGGAAGGAGGCCTGGAGGGACGTGCACAGGCCTTTGTCTGCCAG
GGTAATTTACTGCAAATACACGGC[C/
T]GCTGCTTCAAAGGAGGCGGAGTTCAGCCACATGCCACACCCCCAGATATACTCATTATTCTTACCCATGCT
GCTTTTCCACTCTTACAGAATTTACA C/T 0.131 43% 25.0% 152
67.5% 80
CV36572 13 23691221
TGAAAGTATATGTACATCTGCCATATATCTGCTTATGTGTACAGATGTCTTCATAAAATGCTTTGCTTCTGAGTT
CATGACGAGGGTTGAGAAAGGGAAA[A/
T]TCTTGGCCTTGAAAGTATATGTACATCTGCCATATATCTGCTTATGTGTACAGATGTCTTCATAAAATGCTTT
GCTTCTGAGTTCATGATGAGTCATGAC A/T 0.121 38% 14.3% 154
52.7% 74
CV1433571 13 39558947
TGCAACTCTGCAGTCTCTGTAGAATCTGCCACAATAGGAACTATAACCTTTATTGAGGTTATTTGCTTACCTATT
GGTTTTCTCAACATTTCCCAACTT[C/
T]ATCTCTTACAAGCGATCAGAGTCTTAGAACCCACAGGGAATTTTCTGCCAGAGAATACATAAAATATTGCCAC
TTTCCACTGGATTTTTAAAAAAGTTAT C/T 0.232 56% 17.9% 156
73.8% 80
rs3861128 13 75530334
GAAATATTGTCTCATATTTTTCTCTCCTAGGAATTTCTATTCTGTGGGTAAAAGAAGGAACAGTGGGGTACGT
GGAGAAAATGATTTCTCCGTAAAGG[C/
T]CTATCTGAAAGTATCTGCATGTTGAAAAATTTTATGTAATTAAGTTTTATTTTTAAGAATATATAAATATTC
TTTTTACTTAACAGGTGTGCAAAACC C/T 0.194 52% 77.4% 124
25.7% 70
CV8211003 14 19616294
CAGTATGGATGAGGCAGGAAGCATACTGGGGTGGAGTGGTGGGATGGGATGGGGTAGGGTGGTGGGTAATACA
GTGGATAGCTGATCAGAGCCTCCAG[A/
G]TTTATCATTTACTTTAAACCCACACTCTCTTCTGCTCCCCTCTCCTTTTCATCTCTCTTACCAATCTGC
ACTAAATTCAAATTTCTTAAGAATATA A/G 0.193 46% 52.6% 156
6.2% 80

rs1268646 14 61782542
GAAGAGCCAGGGCCAAGAATGGTAGCAGAAGGTCGGATGCAGATCGGGCACTCTGAAAGGTCCCCACGGTATAGT
AAGGAGAAAGACAGAGCAAACAAAC[C/
T]GGCTGGGGAGGTTACTACAGTGACCTAGGCGAGTACTTTGCCTACAACCTCAGATACTGAAAGCCCTTCATGG
TAAGTTCTATGTCTACAGGAGAGGTAT C/T 0.188 50% 84.6% 156
35.0% 80

rs4983500 14 103017200
GAGCTGCACTTTCACCTACAAATGAGGGGCGAGACTCAGCAGCGCCAGGCAGGGCAGTTGGACGCCACCCAGGAC
AGACCCTGAGAAAGGCTGATCCCTC[A/
G]CCCCTGCCATCGCTCACTGACCCATACATTGCCCTTCCCTGCCAGGGCAATATCGAGGGTCGGCCAGTGTGCC
CCAAAACGGCAGCTTGGGACCCATTCT A/G 0.284 62% 16.0% 156
77.5% 80

rs1129038 15 25959218
CACGGCCAGTCAGTCTCTCCACTCCCTCCTCCCGCCTGGCTCGAGGACGGACGCTTCTCATCAGACACACCAGGC
AGCCTACAGTCTACACAGCAGCGAG[C/
T]GCTCTGCTGCCTGGCTCAGGCTCTCATCTCACGAGGACGTTTCCCCATCTTAGTGTCTGTAAATAATCTTG
TGTAGAGTCCGAAGCAAAGGAGTCGAC C/T 0.532 78% 77.6% 156
0.0% 80

rs1426654 15 46142540
CTATTGTGTTTAGTTGTAAAGACATACTCTTTCACTTTATTAGGCATAACAATCATTTTCATTTATGTTTCAGCCCT
TGGATTGTCTCAGGATGTTGCAGGC[A/
G]CAACTTTCATGGCAGCGGGCAGTTCAGCTCCTGAATTAGTACTGCTTTCCTAGGTAAATATTGCTCCTTATA
CTTCTTGCTTACTCAGTGTGATTTTTA A/G 0.85 98% 1.3% 156
98.8% 80

CV1319948 15 89295572
GTGTCTCGACCCTCCCTCCCTGATCCACTCTGCCCGTCAGCAGGATTCCGGTCTACACCCCGCAGAGACTCCGCA
GCGTACGAGGAGAACCCCGCCTTCT[A/
G]CCAGAAAAAGAAGCGACTTCCTAGATCTCCCGGAAGTCCCTTTCGCTCCCAGCGCTTCGCGTACCAGGAAGGG
GACGGCGTCTGAAAGGGACATTTGAA A/G 0.348 59% 40.8% 152
100.0% 80

rs1002587 16 13871962
ATCCAAGCTCCTAATTAGAGCATTTACCCACAGAGTTCCTTTGCCGGGAGGCTCTGAGCCTGGCTTCTCTCTC
ACCTGTTTCTGATGTGTTTCTACAT[C/
G]CTTAGCAGGTTAACATTGCAGCCAACCCAATGTGCACTTCTTTAATAGGATACTTAAGCACATTCCTGTTGCG
GAGAGAACAGCAGCTCTTCTAAGAATC C/G 0.339 66% 25.3% 288
91.0% 78

rs2270843 16 69749315
GTATGTTTTCTCTCGCCCTCTGGCGTCCTGGCTGGCAGTGGGACAGCTCAGAGGGAGGGGAAACCTAGTCTCT
TCCTGGAAGCACGTCAGTGGGATGG[A/
G]GAAGAGCTGTGGCCTCTGCATCCTGGGGCCGAGCCCATCTGTGGGTGGAGCCGGAGGATCCTGCTTTGGGAAG
GGACGTCTCTGCTGACGTCGGCGTGTT A/G 0.178 40% 42.9% 154
2.5% 80

rs4420527 16 89557983
AGTTGGTCAGAGCTGGGGAGACGGATACCAGCCCCTCCCACTCTACAGAGAGCAGCTTCTGCTCCCGAAGGCCTT
TTTCTGTTTTTGAAGATGCACAAA[C/
T]GTGAGAGATGGAATTCAGGTTCCATGCCAGCTGTGCAGCATTTTATATTTTTATTTATTTATTTATTTATTTA

TTTTTTGAGACAGAGTCTTGCTCTGTC C/T 0.336 60% 61.2% 152
1.3% 80
rs2816 17 8124130
TGTCCCATCTGCAGTGGACCCCAGGCACCCCCCTTTGAGGAGGTGGGGTGAAGTCTCCTTGGCAGGGATTTGTG
ACACTGCATTGCTGGGCTGTGTTCC[C/
T]CGGGCTCTTCTGGACCTTGACCGTGGATACCAGGCCATGTGCCATGGTATTTGGGTCCTGGGAGGGTGGGTG
AAATAAAGGCATACTGTCTTCCATGTT C/T 0.244 50% 52.8% 252
2.6% 78
rs7502682 17 19457480
TTTCCTGAGAGGACCCTGACTGACTCAAGGTCTTACTTTGGTTTCCTCTAAAAGCACAGCAGCCTGTGGAGTGGA
GCATTTTCTGTTGTTTTGGACAACA[G/
T]CTAAGGACAAGACCCCTATTCTCTCTGCAGGTGCAGACACCTCCCTGTGTGTCTTGTGGCAGGCAGCTAGAC
TGCTCCTTTATCCACCCTCCTGTATCC G/T 0.453 73% 76.0% 150
2.6% 78
rs718073 17 71181388
AATTGTGGTTTGCATAAGAATGAATTGCTTGCAGAACGCGTTATAAATGAATATTTTCAGCACCCACCCCGTCC
AGCCCCTCACCTTCAGTGCTTGGGG[A/
G]TCTGCATTTTCAACAAGCCACCCAGGCCATTCTGACACAGGCACTTTAAGAAAACAGGAAGTTGACTGACTTC
TTGGCCAGATAAAGCCTTAATTGAACA A/G 0.127 40% 16.3% 300
56.2% 80
rs7406705 17 80307853
CTCAGCCGAGCGGGACGGCCCTGAGGGCCCCCTGCCCTGGCTGTCCGCATCTCTGAGCTCCAGTGCTGCCCTCC
GCCATCCGGCATCCTCCCATCCCTC[A/
G]AAGGCTCTGCCACCATGCTCTTCCCTGACCCCTCACCAGTTGTCACAGAGTCTGGGTGAATGCGGTCTCACCC
TGTTCTCTTCCCTCTGCAGGAACTG A/G 0.386 64% 63.5% 156
0.0% 80
rs1917913 18 5732915
AGAGTAATGAAATTAGATATTCCTTGAAAATGATTTGTTGAGCCTCATTTTGTGACAGGTAGAAAACTGAAACC
TGAGAGGTGTTTTACATTCCTAA[A/
G]AGATAAATCTTAACCTGGTTTCCTATGCACCTCTCAATACCAAGCTTTTCTGACATTGTTTGTGGGAATCTG
GTCAATAAATAAGAGGAAAGACTATAT A/G 0.118 36% 89.7% 156
53.7% 80
rs953786 18 19857774
TGAGAGGCGCTGAGCTTGGGGTGGGAGGGTTTAGGACCAGATTTGGTCTCTGTGGCTGAATCCCCTAGCCTGCTT
AGAACAGCACAATAGCAGGGTCTTT[C/
G]TGCAGACAAAGTGGGGCTGTAGGAAGGGAAGAGGCTGCCAGGCTGGCACAGCTGTGGCTGAAGGAGAGAGGC
AGAGAAGGGAGTGTCTCTGTTGCGTTG C/G 0.274 61% 76.9% 156
16.3% 80
rs634392 18 68365014
GCTCATTACAGTTTGGATCCCCTTCCCTCAATTTCACTACCTTTTTCTCGTATGTGAATCTGGTGTTAATACATAT
CTTCGCAGCCTGGGTGCATTTATGG[C/
T]GCAGGAAGCTAGGACAGAGTATGCAGAGGATGCCCATGGAAAACAGATGCTGCGTGCACAAGGTCAGAAATAA
AATTCAGCCATTGCTGACTTGTGGCTT C/T 0.417 73% 7.7% 142
80.3% 76
rs1025281 19 7346670
CAGGTTATACCCACCTTGCCTGGGCTCTCTGCAGGGTCCCCCCCCAGAGAGACACCCTTGAGTCCAGGTCTTC

AGCCCTCCTCCTGGCAGGTTCAAAG[C/
 T]AAGGCTGGCCAGTGTTCGGGGGAGACAGGGTTCCTCATCCACAGCTGAGGCATCGAGGCTGAGCCTAGTGGAG
 AAGACAGGGTACTGGGGCTTCAGCAGG C/T 0.225 41% 0.3% 298
 41.2% 80
 rs741441 19 37590914
 CCGGATGGACATCATGATGTCAGACTTACATGCATTGTTCTCCAAATCACTCCTAGATAGCAATAAACAGGCCAT
 CAACGTCAGTGCCTTCTCCCCAACA[C/
 T]ACCCCGTGCTCATCCATGCTGAAATGCCTTTACTTATGCCATTTTCCCTCTATTAGCATGCCCTCCCTTTTTT
 TTTCTTCCCCCAAGACAGGGTCTCAC C/T 0.172 46% 56.0% 298
 10.3% 78
 rs664684 19 60877062
 AAACCTGCTTACTAAGGGTCCCTTTCTGACACCTGTGGCGAAGCCCCCTCCTCCCTGTCCCTTCTGCCTTCAGT
 GCTGGGGTTGGGTGGACGCTGACTG[A/
 G]CTGTTGGGCGTGAGCCTTGTTCACAAACCTGCCTCTCCTTTCCCCACAGATCTTTGTGGAGTTCACCTCTGTG
 TTTGACTGCCAGAAAGCCATGCAGGGC A/G 0.152 46% 23.1% 156
 68.8% 80
 rs1418032 20 2072744
 GAAAACTTTAGTAAATGTTGGCTATTAGTCCTAACAGTAAAGTATAGGTTACTTCCATAAGTTAAGCAAGACAAA
 AACAAAACTAAAAATTTGGTCAAG[C/
 G]CATCAAATGATTTATCAAGCAGTCCAGCCCTCTTAACAGCATATAAAAGGATTACACTCCTTGTGGTCTCC
 CAGAACTTCATATTCAATCTCTCTCAA C/G 0.381 66% 68.8% 154
 2.5% 80
 rs6048661 20 23246415
 GCAGGAACACATAAAGTTCATTCATGGGTTGCTTTGAAGCACCATGCGCTTTTCTGGTATCGAGACTGAATAACA
 CTTATGTCAGAAGTAAAACATTGCT[A/
 G]CAGTGACAGCATGGTTGAGTGACATCATGCCTTCATTCCAAAGACCTGAGGTGTTGCTCCTGAGCCCCCGCTG
 GGGATTGCGGCCAGGTTTCATGCTCTC A/G 0.235 55% 13.5% 156
 68.8% 80
 rs6099797 20 57103748
 CTCACGGCCACCTCTCTCAGAATGGAGGTGACTTGACTTCAGGCAGTCATCTGGAGAAGTCTCCTGCACCTGGGC
 ACCACACTTCAGGGCAGATATGTCC[C/
 T]TGCTGCTTTTTCTTAGGGCACATGGTTCAAGGACAGCCCTGGCAGCTGAAACCCAGGGTTTCAACCCCTCTCC
 AAGCTCACCTGGTGTGAAAACCTCCA C/T 0.361 63% 64.1% 156
 1.3% 80
 rs2823622 21 16453981
 ATTCATAGTCAAGTCTCATCTTGTCCAGAGCAATTATGGTGGTTGGGAAGCCCAAGATGAGAAGGGTAACACAG
 GAACAAGGAAGCTGAATCCTAACAG[A/
 T]CAATCCTGCTTGTTCCTACTATCTCATACCTTACCAGCATTCCATCCTGAGGACTTAACTACCAACTTCAAGC
 TAGCCCATGTCTCATCTTGTGGTTCAT A/T 0.161 39% 42.9% 156
 3.7% 80
 rs440431 21 42926848
 CAGTAGTTTTTGTCTATCTCACTAGCCCATCAGTATTCAGTATTTTTTTTTTTAAGTATTTTGTTCAAAAGTT
 TCTGGCTATCTGCCAAAAGAAGGTT[C/
 G]GTCCATATTGCTTAGTTCACCATTACTAGAAAGAGAAGCTTTATACTGTCATGCTCAGTAGAAATTTAAAAAT
 AGCTCATCTTCTTCTGACACCAATACA C/G 0.327 63% 32.5% 154
 95.0% 80

rs2016118 22 17290370
GGTCAGGGTCTTCCTGCTGTCTCTGAAGACCCCCTGGGGACACGTGCTTGCCTCCTCTGCCCTATGTCCCCTTG
TCGCTCTTCCCTCCTCTGTTGTCCC[A/
G]GGTCGTGCCCATGTGTGCGATCATGTGCCCTTCAACAGACTATGCCCTGGGCATGATGAGGGGTGGGACTGGG
GGAGCACGAGGCAGGTCCTGGCTTAA A/G 0.135 36% 58.8% 306
95.0% 80

rs203316 22 40166690
ACTAGGGGTGCCCTAGCAAGTGTGCGCTGGTGTGAGGTCTGCGAGGCCTTCTGCTGCACATTCATGATCAGA
AAGAACCCCCTGGCACATGTCCTAG[A/
G]TCTCAGCGGCTCAGATCTACAAGCCTGGAAGCAGGGCCTGCGGGAAGCCGGGAAGCTGAGCGTCGGATGTGCA
CTGTGTGAGCCTAAGAAGGGGCAAGAG A/G 0.437 71% 2.9% 308
73.7% 76

rs756827 X 9490701
GGAGAATCTGAATGTGAAAGAGCTCTTGCACGGCTGCGTTTGTTTTCAGCTAAACATTTCTTCTGTTCCACCCC
TGGTATTCTTGTATGTGTGTTCTGC[A/
G]TAGGAGGGCCTGGGAGTTCCTGTTGCTTCTGTGAAGGGGGGAGGACTTGGCCCCACAAATGTCGCCTGCAT
CTCAGGGCCCCACACCCACGCTCCTT A/G 0.326 66% 82.3% 158
16.4% 67

CV289328 X 38976533
CAGAGCCTCTGCAATTTCCAGAAAGCTTTTCAGTTAATAACACATTCTTCCAACAAGCTTACTTAGGGCTGAAAG
TTATTTTCACAAATCTTAAAACTC[A/
T]GCCATAAACAGCTGAGGACCCAGTTCAACGGATCCTGGCCAAACCCACCAACACGGTGACACTCACGGCCCC
GTGGGCCTTCTCCCGCCACCTCTGCCT A/T 0.303 60% 4.5% 78
64.2% 67

rs2209549 X 72825420
AGCTGTTGTGGCCTTCCAGACTTTTCCAAAATTTAACCCTTACACAATGGAACAAGAAAATCTTTATTTTGCCTT
GTTTAGCTGTTTCATGTTTCCACACA[A/
G]GACAGTAGAGTCTAAAACCTTTAAAAGAACGTGTGTGTGTGTATATATATATACATATATATACACACACAC
ACACACACACAAACATATACATATATA A/G 0.627 86% 14.1% 78
100.0% 67

rs909657 X 127489190
TCTGACTCAGCCTGCCTCATGCTGTGACCAGATTTAGAGACCTGAGACCAGATTTAGAGACCAATAAATATTGCA
TGAATATTTGAGAATGAATAAATGA[A/
G]ACAATGGTCACCTTCCAGCAGCATGTCTGTGCACCAGGAGGGGGTGGGCTGTTGCAGTTGGTACCTCCCCACC
AATGCCCTACCTCCTGAAATTTCCAGA A/G 0.307 62% 8.8% 159
70.8% 65

rs2027812 X 151001346
GGTTTATAAGGGGTATAAATAATTGAGGTAGGTGCCTGGTACCCCATCGGTAGTCCACAGATTATAGCCATTATT
ACCCTTGACTGCTTCCCTCTCCCTCA[C/
T]GTCCCCTACCCAATCCTGAACAAGTCCTGGCAATCCCACCTCCTAAATAGGACTAGAACACAATCATTGTCT
CCAGGCCCACTACCCTGAAACACAGAC C/T 0.182 49% 63.9% 202
14.9% 67