|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Table S10. Details of white blood cells predicting SNPs with colorectal cancer uesing multivariable Mendelian randomization in European cohort. | | | | | | | | | | | | | | | | | | | | | | | | | |
| **SNP** | **Colorectal cancer** | | | | | **Basophils** | | | | **Eosinophils** | | | | **Lymphocytes** | | | | **Monocytes** | | | | **Neutrophils** | | | |
| **Effect allele** | **Other allele** | **Standard Error** | **Beta** | **P-value** | **P-value** | **Beta** | **Standard Error** | **F-statistic** | **P-value** | **Beta** | **Standard Error** | **F-statistic** | **P-value** | **Beta** | **Standard Error** | **F-statistic** | **P-value** | **Beta** | **Standard Error** | **F-statistic** | **P-value** | **Beta** | **Standard Error** | **F-statistic** |
| rs1000329 | T | C | 0.0290 | 0.0285 | 0.3089 | 2.95E-20 | -0.020332 | 0.002203 | 85.17873926 |  |  |  |  | 0.00E+00 | -0.0824 | 0.0021 | 1523.1438 |  |  |  |  |  |  |  |  |
| rs10027415 | T | C | -0.0228 | 0.0278 | 0.4123 |  |  |  |  |  |  |  |  | 6.33E-33 | -0.0163 | 0.0014 | 142.9653 |  |  |  |  |  |  |  |  |
| rs1002774 | A | G | 0.0175 | 0.0509 | 0.7311 |  |  |  |  |  |  |  |  |  |  |  |  | 4.48E-73 | -0.0540 | 0.0030 | 327.1675 | 6.15E-45 | -0.0431 | 0.0031 | 198.0537 |
| rs1004870 | T | C | -0.0020 | 0.0275 | 0.9410 |  |  |  |  | 1.27E-38 | 0.0262 | 0.0020 | 169.0258 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs10062687 | G | T | -0.0113 | 0.0330 | 0.7317 |  |  |  |  | 9.47E-25 | 0.0241 | 0.0023 | 105.6546 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs10094039 | G | A | 0.0116 | 0.0276 | 0.6744 |  |  |  |  |  |  |  |  |  |  |  |  | 0.00E+00 | -0.0913 | 0.0019 | 2251.1178 | 2.91E-58 | -0.0318 | 0.0020 | 259.2491 |
| rs10109370 | A | C | 0.0099 | 0.0297 | 0.7376 |  |  |  |  |  |  |  |  | 2.26E-17 | -0.0189 | 0.0022 | 72.0402 |  |  |  |  |  |  |  |  |
| rs10138752 | T | C | -0.0083 | 0.0425 | 0.8446 |  |  |  |  |  |  |  |  | 4.89E-17 | -0.0298 | 0.0035 | 70.4710 |  |  |  |  | 2.67E-26 | -0.0382 | 0.0036 | 112.7063 |
| rs1014258 | C | T | -0.0703 | 0.0405 | 0.0823 |  |  |  |  | 2.68E-54 | 0.0352 | 0.0023 | 241.0838 | 7.55E-107 | 0.0479 | 0.0022 | 482.2263 | 3.08E-72 | 0.0388 | 0.0022 | 323.2497 | 5.12E-47 | 0.0318 | 0.0022 | 207.6813 |
| rs1017875 | T | C | -0.0319 | 0.0356 | 0.3704 |  |  |  |  |  |  |  |  | 5.01E-53 | -0.0361 | 0.0024 | 235.1850 |  |  |  |  |  |  |  |  |
| rs10195713 | T | C | -0.0689 | 0.0427 | 0.1069 |  |  |  |  | 2.74E-17 | 0.0249 | 0.0029 | 71.6197 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs10197805 | C | T | -0.0476 | 0.0391 | 0.2242 |  |  |  |  |  |  |  |  |  |  |  |  | 4.70E-59 | -0.0416 | 0.0026 | 262.8850 |  |  |  |  |
| rs10208293 | A | G | 0.0162 | 0.0305 | 0.5969 |  |  |  |  | 2.51E-285 | -0.0789 | 0.0022 | 1302.8929 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs10237524 | A | G | -0.0355 | 0.0280 | 0.2051 |  |  |  |  |  |  |  |  | 1.35E-21 | -0.0192 | 0.0020 | 91.2558 |  |  |  |  |  |  |  |  |
| rs10279413 | A | G | 0.0313 | 0.0270 | 0.2471 |  |  |  |  |  |  |  |  |  |  |  |  | 4.93E-26 | -0.0198 | 0.0019 | 111.4722 |  |  |  |  |
| rs1032726 | C | T | 0.0362 | 0.0273 | 0.1852 |  |  |  |  | 8.21E-26 | -0.0209 | 0.0020 | 110.5360 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs1036332 | C | A | 0.0399 | 0.0301 | 0.1857 |  |  |  |  | 1.61E-47 | -0.0327 | 0.0023 | 209.8583 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs1038193 | G | C | -0.0068 | 0.0282 | 0.8096 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.13E-24 | 0.0225 | 0.0022 | 105.2541 |
| rs1039341 | T | C | -0.0011 | 0.0275 | 0.9670 |  |  |  |  | 8.79E-29 | -0.0239 | 0.0021 | 124.0446 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs10404823 | T | C | 0.0123 | 0.0272 | 0.6510 |  |  |  |  |  |  |  |  |  |  |  |  | 1.41E-24 | -0.0196 | 0.0019 | 104.9047 |  |  |  |  |
| rs10411174 | G | A | 0.0122 | 0.0523 | 0.8149 |  |  |  |  |  |  |  |  |  |  |  |  | 4.54E-17 | -0.0403 | 0.0048 | 70.6231 |  |  |  |  |
| rs10460159 | C | T | 0.0114 | 0.0270 | 0.6733 |  |  |  |  |  |  |  |  |  |  |  |  | 9.88E-17 | -0.0158 | 0.0019 | 69.1026 |  |  |  |  |
| rs10466905 | A | G | 0.0148 | 0.0343 | 0.6666 |  |  |  |  |  |  |  |  | 7.10E-140 | 0.0620 | 0.0025 | 634.3436 |  |  |  |  |  |  |  |  |
| rs1047891 | A | C | 0.0004 | 0.0290 | 0.9898 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 8.79E-21 | -0.0193 | 0.0021 | 87.5004 |
| rs10492017 | A | G | 0.0413 | 0.0311 | 0.1840 |  |  |  |  | 5.53E-28 | -0.0271 | 0.0025 | 120.3857 | 1.67E-25 | -0.0246 | 0.0024 | 109.0490 |  |  |  |  |  |  |  |  |
| rs10494783 | A | G | 0.0090 | 0.0540 | 0.8675 |  |  |  |  |  |  |  |  | 8.95E-37 | -0.0541 | 0.0043 | 160.6443 |  |  |  |  |  |  |  |  |
| rs1057258 | T | C | -0.0332 | 0.0389 | 0.3921 |  |  |  |  | 2.52E-35 | -0.0321 | 0.0026 | 153.9746 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs10734121 | A | G | -0.0195 | 0.0361 | 0.5900 | 3.28E-19 | -0.025432 | 0.002837 | 80.36044967 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs10762264 | A | G | 0.0167 | 0.0308 | 0.5882 |  |  |  |  |  |  |  |  | 1.06E-23 | -0.0204 | 0.0020 | 100.8186 |  |  |  |  |  |  |  |  |
| rs10777378 | A | G | -0.0202 | 0.0271 | 0.4557 |  |  |  |  | 1.28E-29 | -0.0225 | 0.0020 | 127.8298 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs10780209 | A | G | -0.0075 | 0.0270 | 0.7815 |  |  |  |  |  |  |  |  |  |  |  |  | 5.69E-131 | 0.0454 | 0.0019 | 593.3992 |  |  |  |  |
| rs10782957 | T | C | 0.0328 | 0.0280 | 0.2414 |  |  |  |  | 2.81E-28 | 0.0225 | 0.0020 | 121.8202 |  |  |  |  | 8.97E-27 | 0.0207 | 0.0019 | 114.8801 |  |  |  |  |
| rs10796828 | G | T | 0.0230 | 0.0307 | 0.4530 |  |  |  |  |  |  |  |  |  |  |  |  | 3.26E-20 | -0.0180 | 0.0020 | 84.9517 |  |  |  |  |
| rs10808714 | C | T | -0.0756 | 0.0271 | 0.0053 |  |  |  |  | 6.38E-20 | 0.0184 | 0.0020 | 83.6400 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs10817103 | T | C | 0.0011 | 0.0386 | 0.9763 |  |  |  |  |  |  |  |  |  |  |  |  | 5.60E-18 | -0.0257 | 0.0030 | 74.7795 |  |  |  |  |
| rs10823631 | G | A | -0.0138 | 0.0272 | 0.6127 |  |  |  |  |  |  |  |  | 3.11E-17 | -0.0170 | 0.0020 | 71.4122 |  |  |  |  |  |  |  |  |
| rs10828725 | T | G | 0.0041 | 0.0277 | 0.8836 |  |  |  |  | 4.90E-17 | -0.0173 | 0.0021 | 70.4686 | 1.29E-59 | -0.0321 | 0.0020 | 265.4184 | 3.56E-121 | -0.0473 | 0.0020 | 548.0330 | 5.04E-89 | -0.0400 | 0.0020 | 400.6206 |
| rs10838634 | G | A | 0.0923 | 0.0503 | 0.0667 |  |  |  |  |  |  |  |  | 3.00E-16 | -0.0261 | 0.0032 | 66.8942 |  |  |  |  |  |  |  |  |
| rs10864368 | C | T | -0.0290 | 0.0269 | 0.2805 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4.01E-35 | 0.0237 | 0.0019 | 153.1051 |
| rs1086893 | C | T | 0.0454 | 0.0324 | 0.1614 | 2.41E-43 | 0.029865 | 0.002162 | 190.8155041 |  |  |  |  |  |  |  |  | 4.02E-28 | 0.0217 | 0.0020 | 121.0000 |  |  |  |  |
| rs10882950 | C | T | 0.0387 | 0.0274 | 0.1577 |  |  |  |  |  |  |  |  |  |  |  |  | 3.27E-21 | 0.0184 | 0.0019 | 89.5050 |  |  |  |  |
| rs10888850 | G | A | 0.0137 | 0.0269 | 0.6110 |  |  |  |  |  |  |  |  |  |  |  |  | 1.40E-16 | -0.0154 | 0.0019 | 68.4348 |  |  |  |  |
| rs10892342 | C | T | -0.0124 | 0.0294 | 0.6728 |  |  |  |  |  |  |  |  |  |  |  |  | 7.02E-18 | -0.0181 | 0.0021 | 74.2911 |  |  |  |  |
| rs10935473 | T | G | -0.0518 | 0.0271 | 0.0558 |  |  |  |  |  |  |  |  |  |  |  |  | 2.30E-40 | 0.0250 | 0.0019 | 177.1306 | 1.73E-16 | 0.0160 | 0.0019 | 68.0050 |
| rs10948036 | A | C | 0.0351 | 0.0321 | 0.2743 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3.49E-36 | 0.0297 | 0.0024 | 157.9694 |
| rs10956403 | G | A | -0.0018 | 0.0284 | 0.9489 |  |  |  |  | 4.55E-57 | -0.0332 | 0.0021 | 253.7499 | 3.99E-36 | -0.0249 | 0.0020 | 157.5928 |  |  |  |  |  |  |  |  |
| rs10987787 | G | C | 0.0126 | 0.0324 | 0.6973 |  |  |  |  |  |  |  |  |  |  |  |  | 2.32E-18 | -0.0197 | 0.0022 | 76.4944 |  |  |  |  |
| rs1099448 | T | C | -0.0096 | 0.0271 | 0.7223 |  |  |  |  | 8.32E-19 | 0.0177 | 0.0020 | 78.4971 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs10995240 | C | G | 0.0207 | 0.0289 | 0.4728 |  |  |  |  | 1.55E-101 | -0.0438 | 0.0020 | 457.7386 |  |  |  |  | 1.24E-16 | -0.0160 | 0.0019 | 68.6702 |  |  |  |  |
| rs11033388 | T | A | -0.0570 | 0.0279 | 0.0413 |  |  |  |  |  |  |  |  | 2.07E-24 | 0.0196 | 0.0019 | 104.0825 |  |  |  |  |  |  |  |  |
| rs11064523 | G | T | -0.0182 | 0.0308 | 0.5539 |  |  |  |  |  |  |  |  |  |  |  |  | 2.80E-17 | -0.0215 | 0.0025 | 71.5689 |  |  |  |  |
| rs11064881 | A | G | -0.0465 | 0.0482 | 0.3347 | 2.05E-16 | -0.032268 | 0.003923 | 67.65618113 |  |  |  |  |  |  |  |  |  |  |  |  | 2.37E-20 | -0.0342 | 0.0037 | 85.5763 |
| rs11084096 | A | G | 0.0474 | 0.0307 | 0.1222 |  |  |  |  | 5.43E-20 | -0.0199 | 0.0022 | 83.8999 | 6.42E-19 | -0.0184 | 0.0021 | 79.0353 |  |  |  |  |  |  |  |  |
| rs11086102 | C | G | 0.0177 | 0.0285 | 0.5344 |  |  |  |  | 4.74E-17 | 0.0173 | 0.0021 | 70.5616 |  |  |  |  | 2.26E-54 | 0.0314 | 0.0020 | 241.3480 |  |  |  |  |
| rs11104881 | C | T | -0.0061 | 0.0275 | 0.8233 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 7.84E-35 | -0.0259 | 0.0021 | 151.7365 |
| rs11121529 | G | C | -0.0697 | 0.0448 | 0.1198 |  |  |  |  |  |  |  |  |  |  |  |  | 3.29E-26 | 0.0313 | 0.0029 | 112.2996 |  |  |  |  |
| rs11123312 | A | G | 0.0279 | 0.0406 | 0.4925 |  |  |  |  |  |  |  |  |  |  |  |  | 5.72E-32 | -0.0338 | 0.0029 | 138.6851 |  |  |  |  |
| rs11158159 | C | G | 0.0253 | 0.0333 | 0.4467 | 4.59E-28 | 0.028179 | 0.002564 | 120.7855865 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs11160706 | A | G | -0.0147 | 0.0307 | 0.6308 |  |  |  |  |  |  |  |  | 2.12E-40 | 0.0305 | 0.0023 | 177.2234 |  |  |  |  |  |  |  |  |
| rs111626441 | A | G | 0.0052 | 0.0394 | 0.8942 |  |  |  |  |  |  |  |  | 8.97E-17 | 0.0278 | 0.0033 | 69.2930 |  |  |  |  |  |  |  |  |
| rs11168249 | C | T | 0.0185 | 0.0271 | 0.4940 |  |  |  |  |  |  |  |  | 6.04E-24 | -0.0195 | 0.0019 | 101.9472 |  |  |  |  |  |  |  |  |
| rs111727450 | T | C | -0.1093 | 0.0890 | 0.2194 |  |  |  |  |  |  |  |  |  |  |  |  | 8.13E-18 | 0.0518 | 0.0060 | 74.0309 |  |  |  |  |
| rs11189154 | A | G | 0.0137 | 0.0298 | 0.6466 |  |  |  |  |  |  |  |  |  |  |  |  | 1.25E-122 | 0.0505 | 0.0021 | 554.6739 | 4.34E-46 | 0.0314 | 0.0022 | 203.3865 |
| rs111896044 | A | G | 0.0340 | 0.0497 | 0.4934 |  |  |  |  | 1.09E-16 | -0.0288 | 0.0035 | 68.9005 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs11190141 | T | C | 0.0079 | 0.0270 | 0.7685 |  |  |  |  |  |  |  |  |  |  |  |  | 4.02E-113 | -0.0437 | 0.0019 | 511.1531 |  |  |  |  |
| rs11224302 | T | C | -0.0543 | 0.0496 | 0.2735 |  |  |  |  |  |  |  |  | 1.73E-33 | -0.0383 | 0.0032 | 145.6075 |  |  |  |  |  |  |  |  |
| rs112308729 | A | G | 0.0123 | 0.0318 | 0.6984 |  |  |  |  |  |  |  |  |  |  |  |  | 3.26E-18 | 0.0189 | 0.0022 | 75.8183 |  |  |  |  |
| rs11236813 | C | G | -0.0519 | 0.0422 | 0.2191 |  |  |  |  | 4.78E-20 | -0.0303 | 0.0033 | 84.2053 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs11242985 | G | A | 0.0110 | 0.0275 | 0.6894 |  |  |  |  | 1.04E-37 | -0.0256 | 0.0020 | 164.8620 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs11247908 | A | G | -0.0126 | 0.0331 | 0.7042 |  |  |  |  |  |  |  |  |  |  |  |  | 1.92E-32 | -0.0292 | 0.0025 | 140.8711 |  |  |  |  |
| rs11255548 | C | T | 0.0300 | 0.0278 | 0.2794 |  |  |  |  |  |  |  |  |  |  |  |  | 2.99E-25 | 0.0201 | 0.0019 | 107.9189 |  |  |  |  |
| rs112634401 | C | T | 0.0934 | 0.0360 | 0.0094 |  |  |  |  |  |  |  |  |  |  |  |  | 2.92E-18 | 0.0238 | 0.0027 | 76.0750 |  |  |  |  |
| rs112725417 | C | T | 0.1395 | 0.1097 | 0.2037 |  |  |  |  | 1.76E-20 | -0.0581 | 0.0063 | 86.1542 | 5.86E-16 | -0.0488 | 0.0060 | 65.5893 |  |  |  |  |  |  |  |  |
| rs112914309 | C | T | 0.0132 | 0.0560 | 0.8133 |  |  |  |  |  |  |  |  |  |  |  |  | 3.35E-16 | -0.0384 | 0.0047 | 66.6933 |  |  |  |  |
| rs113230156 | T | C | 0.0607 | 0.0595 | 0.3075 |  |  |  |  |  |  |  |  | 4.96E-18 | 0.0344 | 0.0040 | 74.9978 |  |  |  |  |  |  |  |  |
| rs113339765 | G | A | -0.0663 | 0.0958 | 0.4893 |  |  |  |  |  |  |  |  |  |  |  |  | 1.07E-22 | -0.0596 | 0.0061 | 96.2524 |  |  |  |  |
| rs113347819 | G | T | 0.1111 | 0.0572 | 0.0522 |  |  |  |  |  |  |  |  | 1.66E-33 | -0.0410 | 0.0034 | 145.6717 |  |  |  |  |  |  |  |  |
| rs113473633 | G | A | 0.3124 | 0.1169 | 0.0075 |  |  |  |  | 3.47E-22 | -0.0632 | 0.0065 | 93.9520 | 4.29E-39 | -0.0829 | 0.0063 | 171.2663 |  |  |  |  |  |  |  |  |
| rs113542380 | A | G | 0.0000 | 0.0735 | 0.9997 |  |  |  |  |  |  |  |  | 4.90E-77 | -0.0675 | 0.0036 | 345.3011 |  |  |  |  | 1.64E-38 | 0.0481 | 0.0037 | 168.5719 |
| rs113687477 | T | C | -0.0001 | 0.0554 | 0.9993 |  |  |  |  |  |  |  |  | 9.96E-21 | 0.0279 | 0.0030 | 87.3068 |  |  |  |  |  |  |  |  |
| rs113760175 | A | G | -0.0158 | 0.0495 | 0.7490 |  |  |  |  |  |  |  |  | 7.32E-22 | 0.0362 | 0.0038 | 92.4804 | 6.77E-21 | 0.0350 | 0.0037 | 88.0567 | 2.95E-17 | 0.0324 | 0.0038 | 71.4817 |
| rs114050631 | T | C | 0.0661 | 0.1024 | 0.5186 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 8.74E-59 | -0.1626 | 0.0101 | 261.5504 |
| rs114741563 | C | T | 0.1630 | 0.2140 | 0.4462 |  |  |  |  | 2.94E-25 | 0.1196 | 0.0115 | 107.9609 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs114761090 | A | G | -0.0775 | 0.1225 | 0.5271 |  |  |  |  |  |  |  |  | 1.10E-18 | 0.0604 | 0.0068 | 77.9735 |  |  |  |  |  |  |  |  |
| rs115109292 | A | G | -0.1488 | 0.1146 | 0.1943 |  |  |  |  | 5.10E-17 | -0.0692 | 0.0082 | 70.4008 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs115340020 | A | G | -0.2561 | 0.1401 | 0.0676 |  |  |  |  |  |  |  |  |  |  |  |  | 2.22E-59 | -0.0943 | 0.0058 | 264.2782 |  |  |  |  |
| rs11541908 | A | G | -0.0286 | 0.0316 | 0.3659 |  |  |  |  |  |  |  |  | 4.93E-22 | 0.0204 | 0.0021 | 93.2252 |  |  |  |  |  |  |  |  |
| rs11547648 | T | G | -0.0035 | 0.0268 | 0.8964 |  |  |  |  |  |  |  |  | 1.98E-19 | -0.0170 | 0.0019 | 81.3820 | 6.50E-37 | -0.0237 | 0.0019 | 161.3322 |  |  |  |  |
| rs11555542 | C | T | 0.0413 | 0.1092 | 0.7049 |  |  |  |  | 2.12E-54 | 0.0638 | 0.0041 | 241.5043 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs11556624 | C | G | -0.0992 | 0.1083 | 0.3598 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4.66E-39 | 0.0813 | 0.0062 | 171.0768 |
| rs11557154 | T | C | 0.0635 | 0.0400 | 0.1121 |  |  |  |  |  |  |  |  | 4.43E-16 | 0.0230 | 0.0028 | 66.1189 | 2.64E-30 | 0.0320 | 0.0028 | 131.0755 |  |  |  |  |
| rs11567701 | T | G | -0.0012 | 0.0295 | 0.9677 |  |  |  |  |  |  |  |  | 2.40E-141 | 0.0544 | 0.0021 | 641.0071 |  |  |  |  |  |  |  |  |
| rs115820364 | T | C | -0.0614 | 0.0516 | 0.2347 |  |  |  |  | 1.06E-26 | 0.0453 | 0.0042 | 114.5805 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs115847700 | T | C | 0.2132 | 0.1245 | 0.0868 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.75E-21 | -0.0626 | 0.0066 | 90.7379 |
| rs11590380 | C | T | -0.0428 | 0.0299 | 0.1529 |  |  |  |  |  |  |  |  |  |  |  |  | 1.69E-32 | 0.0247 | 0.0021 | 141.0199 |  |  |  |  |
| rs115935870 | T | C | -0.1723 | 0.0837 | 0.0396 |  |  |  |  |  |  |  |  | 1.12E-44 | -0.1046 | 0.0075 | 196.8426 | 6.94E-25 | -0.0760 | 0.0074 | 106.2591 |  |  |  |  |
| rs11602323 | G | T | 0.0163 | 0.0365 | 0.6551 |  |  |  |  |  |  |  |  | 6.55E-36 | 0.0362 | 0.0029 | 156.7348 | 9.23E-115 | 0.0652 | 0.0029 | 518.8272 |  |  |  |  |
| rs11614295 | A | G | 0.0237 | 0.0312 | 0.4472 |  |  |  |  | 2.22E-34 | -0.0264 | 0.0022 | 149.7364 | 3.61E-25 | -0.0213 | 0.0021 | 107.5084 |  |  |  |  |  |  |  |  |
| rs11637005 | G | C | 0.0522 | 0.0426 | 0.2199 |  |  |  |  | 4.60E-20 | 0.0363 | 0.0040 | 84.2576 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs11646229 | A | G | -0.0004 | 0.0336 | 0.9908 |  |  |  |  |  |  |  |  |  |  |  |  | 3.87E-18 | -0.0208 | 0.0024 | 75.4849 |  |  |  |  |
| rs11657637 | C | G | -0.0858 | 0.0429 | 0.0456 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 8.60E-65 | -0.0533 | 0.0031 | 289.2279 |
| rs11658674 | C | T | 0.0241 | 0.0323 | 0.4549 |  |  |  |  | 1.02E-18 | -0.0195 | 0.0022 | 78.1533 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs11676298 | G | C | 0.0453 | 0.0337 | 0.1798 |  |  |  |  |  |  |  |  | 2.86E-29 | 0.0270 | 0.0024 | 126.2627 | 1.23E-26 | 0.0253 | 0.0024 | 114.2914 |  |  |  |  |
| rs11678188 | C | T | 0.0202 | 0.0284 | 0.4767 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.94E-17 | -0.0169 | 0.0020 | 72.3400 |
| rs11695281 | T | C | -0.0032 | 0.0270 | 0.9051 |  |  |  |  | 4.09E-31 | -0.0230 | 0.0020 | 134.6655 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs11707962 | C | T | 0.0568 | 0.0414 | 0.1697 |  |  |  |  |  |  |  |  | 2.94E-43 | 0.0341 | 0.0025 | 190.3909 |  |  |  |  |  |  |  |  |
| rs117125309 | A | G | 0.1283 | 0.2250 | 0.5685 |  |  |  |  |  |  |  |  | 2.66E-25 | 0.0905 | 0.0087 | 108.1724 |  |  |  |  |  |  |  |  |
| rs11712552 | G | A | 0.0036 | 0.0436 | 0.9340 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 6.45E-26 | 0.0305 | 0.0029 | 110.9516 |
| rs117188529 | A | G | -0.2137 | 0.1035 | 0.0389 |  |  |  |  |  |  |  |  |  |  |  |  | 2.98E-41 | 0.0708 | 0.0053 | 181.1331 |  |  |  |  |
| rs11723621 | G | A | -0.0793 | 0.0335 | 0.0181 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2.67E-37 | -0.0269 | 0.0021 | 163.0737 |
| rs117237136 | G | C | 0.0447 | 0.0419 | 0.2862 |  |  |  |  |  |  |  |  |  |  |  |  | 6.59E-43 | -0.0432 | 0.0031 | 188.7307 |  |  |  |  |
| rs11739101 | T | G | 0.0049 | 0.0298 | 0.8695 |  |  |  |  | 4.80E-16 | 0.0180 | 0.0022 | 65.9543 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs117556162 | A | G | 0.0955 | 0.0635 | 0.1329 |  |  |  |  | 2.97E-16 | 0.0347 | 0.0042 | 66.9306 | 3.31E-27 | 0.0445 | 0.0041 | 116.8491 |  |  |  |  |  |  |  |  |
| rs117683492 | A | G | -0.2389 | 0.1037 | 0.0212 |  |  |  |  | 4.85E-19 | 0.0667 | 0.0075 | 79.6084 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs117704776 | C | T | 0.0737 | 0.1384 | 0.5941 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.70E-19 | -0.0577 | 0.0064 | 81.6812 |
| rs11772895 | C | G | -0.0896 | 0.0287 | 0.0018 | 9.23E-50 | 0.034127 | 0.0023 | 220.161083 |  |  |  |  |  |  |  |  | 1.64E-22 | 0.0206 | 0.0021 | 95.4350 |  |  |  |  |
| rs117861234 | A | G | -0.0047 | 0.0821 | 0.9543 |  |  |  |  |  |  |  |  |  |  |  |  | 2.64E-37 | -0.0761 | 0.0060 | 163.0849 |  |  |  |  |
| rs117961590 | T | A | -0.1522 | 0.1013 | 0.1330 |  |  |  |  |  |  |  |  |  |  |  |  | 1.20E-35 | -0.0821 | 0.0066 | 155.4953 |  |  |  |  |
| rs118013485 | A | G | 0.0890 | 0.0458 | 0.0520 |  |  |  |  | 1.54E-16 | -0.0336 | 0.0041 | 68.2289 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs118027681 | T | C | -0.0527 | 0.0742 | 0.4775 |  |  |  |  |  |  |  |  |  |  |  |  | 2.20E-26 | 0.0675 | 0.0063 | 113.1152 |  |  |  |  |
| rs118083884 | A | G | -0.0461 | 0.1545 | 0.7654 |  |  |  |  |  |  |  |  | 1.96E-20 | -0.0799 | 0.0086 | 85.9535 | 1.01E-29 | -0.0965 | 0.0085 | 128.3806 |  |  |  |  |
| rs118170056 | T | C | 0.0570 | 0.0434 | 0.1887 |  |  |  |  |  |  |  |  | 4.86E-32 | -0.0395 | 0.0033 | 138.9891 | 1.27E-22 | -0.0324 | 0.0033 | 95.9181 |  |  |  |  |
| rs118179573 | G | A | 0.1527 | 0.0695 | 0.0281 |  |  |  |  |  |  |  |  |  |  |  |  | 3.80E-70 | 0.1273 | 0.0072 | 313.7614 |  |  |  |  |
| rs11854390 | T | C | -0.0042 | 0.0275 | 0.8785 |  |  |  |  | 3.66E-61 | 0.0331 | 0.0020 | 272.3735 |  |  |  |  | 1.26E-111 | 0.0425 | 0.0019 | 504.1117 |  |  |  |  |
| rs11857713 | T | C | -0.0699 | 0.0661 | 0.2907 |  |  |  |  |  |  |  |  | 9.77E-17 | 0.0300 | 0.0036 | 69.1187 |  |  |  |  |  |  |  |  |
| rs1186222 | T | C | -0.0354 | 0.0282 | 0.2097 | 3.21E-26 | -0.022015 | 0.002077 | 112.3477519 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs11931711 | T | C | 0.0652 | 0.0285 | 0.0224 |  |  |  |  | 3.48E-18 | 0.0193 | 0.0022 | 75.6892 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs12005199 | A | G | 0.0112 | 0.0278 | 0.6876 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.59E-30 | 0.0247 | 0.0022 | 132.0097 |
| rs12022930 | C | T | -0.0156 | 0.0275 | 0.5700 |  |  |  |  |  |  |  |  |  |  |  |  | 1.27E-18 | 0.0167 | 0.0019 | 77.6648 |  |  |  |  |
| rs12075 | A | G | 0.0133 | 0.0271 | 0.6227 | 6.02E-41 | 0.027771 | 0.002071 | 179.8137255 |  |  |  |  |  |  |  |  | 1.55E-46 | 0.0270 | 0.0019 | 205.3735 |  |  |  |  |
| rs12088882 | T | C | 0.0030 | 0.0271 | 0.9110 |  |  |  |  |  |  |  |  | 1.30E-70 | 0.0340 | 0.0019 | 316.0370 |  |  |  |  |  |  |  |  |
| rs12118443 | A | G | -0.0269 | 0.0268 | 0.3164 |  |  |  |  |  |  |  |  |  |  |  |  | 4.00E-22 | -0.0180 | 0.0019 | 93.6417 |  |  |  |  |
| rs12123922 | A | G | -0.0117 | 0.0273 | 0.6677 | 1.73E-41 | -0.027772 | 0.002057 | 182.2828163 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs1214598 | A | G | 0.0424 | 0.0311 | 0.1736 |  |  |  |  | 5.54E-19 | -0.0181 | 0.0020 | 79.3735 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs12147629 | G | A | -0.0114 | 0.0279 | 0.6823 |  |  |  |  |  |  |  |  |  |  |  |  | 2.90E-16 | 0.0166 | 0.0020 | 66.9664 |  |  |  |  |
| rs12208103 | T | C | 0.0368 | 0.0276 | 0.1834 |  |  |  |  | 6.83E-50 | -0.0307 | 0.0021 | 220.6855 | 2.58E-23 | 0.0204 | 0.0021 | 99.0855 | 5.46E-16 | 0.0158 | 0.0020 | 65.7329 |  |  |  |  |
| rs12306790 | T | C | 0.0042 | 0.0294 | 0.8865 |  |  |  |  |  |  |  |  |  |  |  |  | 2.22E-20 | 0.0191 | 0.0021 | 85.7282 |  |  |  |  |
| rs12325238 | A | C | 0.0562 | 0.0313 | 0.0723 |  |  |  |  |  |  |  |  |  |  |  |  | 2.61E-16 | 0.0174 | 0.0021 | 67.1659 |  |  |  |  |
| rs12327253 | G | A | -0.0286 | 0.0290 | 0.3240 |  |  |  |  |  |  |  |  |  |  |  |  | 4.05E-17 | 0.0178 | 0.0021 | 70.8881 |  |  |  |  |
| rs12376511 | C | T | -0.0099 | 0.0346 | 0.7735 |  |  |  |  |  |  |  |  | 4.66E-77 | -0.0476 | 0.0026 | 345.6028 | 3.44E-82 | -0.0486 | 0.0025 | 369.0683 |  |  |  |  |
| rs12408934 | A | G | 0.0070 | 0.0424 | 0.8695 |  |  |  |  | 2.36E-36 | -0.0413 | 0.0033 | 158.6909 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs12447180 | C | T | -0.0704 | 0.0296 | 0.0174 | 2.06E-26 | 0.023452 | 0.002204 | 113.2235039 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs1245035 | A | C | 0.0515 | 0.0270 | 0.0563 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3.39E-16 | 0.0163 | 0.0020 | 66.6372 |
| rs12459419 | T | C | 0.0124 | 0.0281 | 0.6595 |  |  |  |  | 3.67E-16 | -0.0173 | 0.0021 | 66.5172 | 7.76E-33 | -0.0241 | 0.0020 | 142.6098 | 5.28E-22 | -0.0193 | 0.0020 | 93.1380 | 7.37E-21 | -0.0192 | 0.0021 | 87.8644 |
| rs12480462 | T | C | 0.0539 | 0.0271 | 0.0469 |  |  |  |  |  |  |  |  |  |  |  |  | 1.44E-52 | -0.0310 | 0.0020 | 233.0661 |  |  |  |  |
| rs12480732 | T | C | -0.0260 | 0.0315 | 0.4098 |  |  |  |  |  |  |  |  |  |  |  |  | 8.57E-136 | 0.0543 | 0.0022 | 615.4844 |  |  |  |  |
| rs12484074 | A | G | -0.0283 | 0.0307 | 0.3577 |  |  |  |  | 7.25E-26 | 0.0250 | 0.0024 | 110.7582 | 2.84E-39 | 0.0301 | 0.0023 | 172.0552 |  |  |  |  |  |  |  |  |
| rs12515180 | T | C | -0.0016 | 0.0289 | 0.9552 |  |  |  |  | 3.13E-283 | -0.0721 | 0.0020 | 1294.3478 | 2.48E-23 | -0.0190 | 0.0019 | 99.1233 | 1.14E-24 | -0.0194 | 0.0019 | 105.2303 | 2.24E-19 | -0.0175 | 0.0019 | 81.1205 |
| rs12526696 | A | G | 0.0251 | 0.0401 | 0.5318 |  |  |  |  |  |  |  |  | 6.06E-44 | 0.0374 | 0.0027 | 193.4562 |  |  |  |  |  |  |  |  |
| rs12530946 | G | A | -0.0239 | 0.0288 | 0.4067 |  |  |  |  | 3.99E-97 | 0.0428 | 0.0020 | 437.5342 |  |  |  |  |  |  |  |  | 1.23E-21 | -0.0189 | 0.0020 | 91.4106 |
| rs12545733 | C | T | -0.0190 | 0.0294 | 0.5194 |  |  |  |  | 8.90E-45 | -0.0307 | 0.0022 | 197.2946 |  |  |  |  |  |  |  |  | 8.81E-19 | -0.0190 | 0.0021 | 78.4383 |
| rs12550442 | T | C | 0.0400 | 0.0445 | 0.3683 |  |  |  |  | 6.79E-17 | 0.0291 | 0.0035 | 69.8353 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs12575164 | C | T | 0.0184 | 0.0292 | 0.5297 |  |  |  |  |  |  |  |  | 9.74E-28 | -0.0249 | 0.0023 | 119.2915 | 2.99E-34 | -0.0276 | 0.0023 | 149.0947 |  |  |  |  |
| rs12598978 | G | T | 0.0044 | 0.0274 | 0.8732 |  |  |  |  |  |  |  |  | 1.58E-181 | 0.0551 | 0.0019 | 825.9702 | 2.98E-38 | 0.0245 | 0.0019 | 167.3968 | 2.28E-25 | 0.0203 | 0.0019 | 108.4099 |
| rs1260326 | C | T | 0.0651 | 0.0283 | 0.0214 |  |  |  |  |  |  |  |  | 1.44E-35 | -0.0240 | 0.0019 | 155.0510 |  |  |  |  | 6.91E-62 | -0.0325 | 0.0020 | 275.7160 |
| rs12639314 | C | A | -0.0369 | 0.0339 | 0.2757 |  |  |  |  |  |  |  |  |  |  |  |  | 1.27E-42 | -0.0347 | 0.0025 | 187.4943 |  |  |  |  |
| rs12653266 | C | T | -0.0867 | 0.0534 | 0.1047 |  |  |  |  | 1.08E-19 | 0.0465 | 0.0051 | 82.5600 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs12694291 | G | A | -0.0241 | 0.0336 | 0.4728 |  |  |  |  | 2.63E-42 | -0.0385 | 0.0028 | 186.0295 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs12705849 | A | G | 0.0339 | 0.0280 | 0.2269 |  |  |  |  | 2.55E-24 | -0.0206 | 0.0020 | 103.6648 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs12744291 | G | A | 0.0189 | 0.0305 | 0.5346 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.46E-21 | 0.0202 | 0.0021 | 91.1288 |
| rs12745411 | T | G | 0.0460 | 0.0271 | 0.0891 |  |  |  |  |  |  |  |  | 6.32E-18 | 0.0166 | 0.0019 | 74.5165 |  |  |  |  |  |  |  |  |
| rs12820863 | T | C | -0.0283 | 0.0284 | 0.3187 |  |  |  |  | 1.07E-25 | 0.0225 | 0.0021 | 110.0050 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs1285886 | A | G | 0.0078 | 0.0341 | 0.8183 |  |  |  |  |  |  |  |  | 2.69E-22 | 0.0232 | 0.0024 | 94.4254 | 6.15E-40 | 0.0313 | 0.0024 | 175.0730 |  |  |  |  |
| rs12874404 | G | A | 0.0655 | 0.0741 | 0.3763 |  |  |  |  |  |  |  |  |  |  |  |  | 4.19E-55 | -0.0645 | 0.0041 | 244.6372 |  |  |  |  |
| rs12881857 | T | C | -0.0103 | 0.0358 | 0.7728 |  |  |  |  |  |  |  |  | 4.97E-17 | -0.0200 | 0.0024 | 70.4262 |  |  |  |  |  |  |  |  |
| rs12909505 | C | T | -0.0074 | 0.0273 | 0.7857 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3.00E-28 | -0.0214 | 0.0019 | 121.6008 |
| rs12913266 | A | G | 0.0362 | 0.0274 | 0.1862 |  |  |  |  | 1.85E-18 | -0.0179 | 0.0020 | 76.9842 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs12927351 | A | C | -0.0007 | 0.0342 | 0.9847 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2.83E-19 | 0.0216 | 0.0024 | 80.6562 |
| rs12930850 | G | A | 0.0027 | 0.0272 | 0.9209 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.29E-22 | 0.0190 | 0.0019 | 95.9348 |
| rs12950923 | C | T | 0.0154 | 0.0366 | 0.6739 |  |  |  |  |  |  |  |  | 2.22E-18 | 0.0229 | 0.0026 | 76.6076 |  |  |  |  |  |  |  |  |
| rs12952376 | T | C | 0.0114 | 0.0281 | 0.6853 |  |  |  |  |  |  |  |  | 3.08E-23 | -0.0203 | 0.0020 | 98.7022 |  |  |  |  |  |  |  |  |
| rs13023767 | G | T | -0.0242 | 0.0338 | 0.4742 |  |  |  |  | 3.45E-21 | 0.0215 | 0.0023 | 89.4164 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs13032786 | G | C | -0.0247 | 0.0285 | 0.3852 | 1.63E-18 | 0.019721 | 0.002244 | 77.23464612 |  |  |  |  |  |  |  |  | 2.49E-23 | 0.0203 | 0.0020 | 99.2067 |  |  |  |  |
| rs13070818 | T | C | -0.0313 | 0.0633 | 0.6215 |  |  |  |  |  |  |  |  |  |  |  |  | 2.69E-26 | -0.0554 | 0.0052 | 112.6901 |  |  |  |  |
| rs13133642 | C | T | -0.0270 | 0.0271 | 0.3201 |  |  |  |  |  |  |  |  | 2.23E-235 | 0.0662 | 0.0020 | 1073.4859 |  |  |  |  |  |  |  |  |
| rs1313766 | C | T | 0.0214 | 0.0277 | 0.4395 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 8.23E-18 | 0.0166 | 0.0019 | 73.9707 |
| rs13138355 | T | C | -0.0316 | 0.0318 | 0.3197 | 1.17E-16 | -0.021837 | 0.002633 | 68.78349353 | 2.35E-102 | -0.0548 | 0.0026 | 461.8540 | 7.19E-43 | -0.0241 | 0.0018 | 188.5106 | 1.34E-98 | -0.0507 | 0.0024 | 444.3229 | 1.18E-30 | -0.0284 | 0.0025 | 132.6700 |
| rs13173758 | C | T | -0.0717 | 0.1016 | 0.4808 |  |  |  |  |  |  |  |  |  |  |  |  | 3.47E-16 | -0.0612 | 0.0075 | 66.6142 |  |  |  |  |
| rs13207171 | T | C | 0.0239 | 0.0471 | 0.6119 |  |  |  |  |  |  |  |  |  |  |  |  | 3.96E-22 | -0.0268 | 0.0028 | 93.6700 |  |  |  |  |
| rs1321309 | A | G | -0.0689 | 0.0271 | 0.0111 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 9.27E-20 | 0.0175 | 0.0019 | 82.8640 |
| rs13226583 | T | A | 0.0452 | 0.0398 | 0.2558 |  |  |  |  | 1.59E-88 | -0.0619 | 0.0031 | 398.2600 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs13235246 | A | G | -0.0703 | 0.0498 | 0.1578 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2.91E-18 | 0.0278 | 0.0032 | 76.0498 |
| rs13271228 | G | T | -0.0128 | 0.0292 | 0.6614 |  |  |  |  |  |  |  |  |  |  |  |  | 4.35E-59 | -0.0306 | 0.0019 | 262.9006 |  |  |  |  |
| rs13291664 | G | A | -0.0260 | 0.0410 | 0.5252 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.19E-32 | 0.0293 | 0.0025 | 141.7666 |
| rs13300381 | T | C | -0.0593 | 0.0730 | 0.4166 |  |  |  |  |  |  |  |  |  |  |  |  | 6.10E-113 | -0.0909 | 0.0040 | 510.4793 |  |  |  |  |
| rs13306780 | C | A | 0.0165 | 0.0310 | 0.5947 |  |  |  |  |  |  |  |  | 1.20E-17 | 0.0179 | 0.0021 | 73.2648 |  |  |  |  |  |  |  |  |
| rs13310449 | G | A | 0.0387 | 0.0287 | 0.1777 |  |  |  |  |  |  |  |  | 9.19E-23 | -0.0194 | 0.0020 | 96.5684 |  |  |  |  |  |  |  |  |
| rs13331155 | C | T | -0.0266 | 0.0419 | 0.5258 |  |  |  |  |  |  |  |  |  |  |  |  | 5.20E-19 | -0.0219 | 0.0025 | 79.4688 |  |  |  |  |
| rs13337669 | C | G | -0.0747 | 0.0584 | 0.2010 |  |  |  |  |  |  |  |  |  |  |  |  | 1.38E-33 | 0.0525 | 0.0043 | 146.0524 |  |  |  |  |
| rs1344603 | C | T | -0.0277 | 0.0287 | 0.3348 |  |  |  |  |  |  |  |  | 1.19E-47 | 0.0293 | 0.0020 | 210.4795 |  |  |  |  |  |  |  |  |
| rs1371794 | C | A | 0.0466 | 0.0287 | 0.1042 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 8.07E-294 | -0.0725 | 0.0020 | 1341.8531 |
| rs138028125 | G | C | -0.0872 | 0.1153 | 0.4496 |  |  |  |  |  |  |  |  |  |  |  |  | 6.19E-131 | 0.1354 | 0.0056 | 593.1446 |  |  |  |  |
| rs1383596 | A | C | 0.0099 | 0.0352 | 0.7774 |  |  |  |  | 5.42E-16 | 0.0198 | 0.0024 | 65.7524 |  |  |  |  | 5.70E-28 | 0.0252 | 0.0023 | 120.3974 |  |  |  |  |
| rs1384804 | A | C | -0.0477 | 0.0303 | 0.1162 |  |  |  |  |  |  |  |  | 1.08E-116 | -0.0502 | 0.0022 | 527.4244 |  |  |  |  |  |  |  |  |
| rs138712773 | A | G | -0.0135 | 0.1146 | 0.9062 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2.47E-17 | 0.0532 | 0.0063 | 71.8229 |
| rs139643158 | A | G | 0.0656 | 0.0582 | 0.2596 |  |  |  |  |  |  |  |  |  |  |  |  | 2.31E-20 | -0.0842 | 0.0091 | 85.6255 |  |  |  |  |
| rs1399180 | C | T | 0.0180 | 0.0361 | 0.6184 |  |  |  |  |  |  |  |  | 1.82E-24 | 0.0258 | 0.0025 | 104.3807 |  |  |  |  |  |  |  |  |
| rs139974673 | C | T | -0.2583 | 0.1822 | 0.1564 |  |  |  |  |  |  |  |  | 1.89E-19 | 0.0541 | 0.0060 | 81.4541 |  |  |  |  |  |  |  |  |
| rs140681234 | A | G | 0.0303 | 0.3312 | 0.9272 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3.19E-18 | -0.0748 | 0.0086 | 75.8704 |
| rs140826185 | A | G | -0.0278 | 0.0563 | 0.6222 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2.99E-31 | 0.0576 | 0.0049 | 135.3780 |
| rs140917974 | T | C | 0.2727 | 0.1980 | 0.1683 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2.40E-23 | 0.0845 | 0.0085 | 99.2376 |
| rs1412445 | T | C | -0.0256 | 0.0274 | 0.3492 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2.64E-25 | 0.0211 | 0.0020 | 108.1456 |
| rs1414517 | G | C | -0.0213 | 0.0361 | 0.5552 |  |  |  |  | 1.36E-22 | -0.0250 | 0.0026 | 95.7898 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs141574221 | T | C | 0.0739 | 0.0886 | 0.4042 |  |  |  |  |  |  |  |  |  |  |  |  | 9.07E-19 | -0.0613 | 0.0069 | 78.3631 |  |  |  |  |
| rs142115354 | T | C | 0.1333 | 0.1122 | 0.2347 |  |  |  |  |  |  |  |  |  |  |  |  | 4.84E-16 | 0.0543 | 0.0067 | 65.9506 |  |  |  |  |
| rs142239370 | G | A | -0.8796 | 1.1420 | 0.4411 |  |  |  |  |  |  |  |  | 7.59E-39 | 0.0632 | 0.0048 | 170.1403 |  |  |  |  |  |  |  |  |
| rs1427499 | G | A | 0.0269 | 0.0293 | 0.3579 | 1.57E-20 | 0.021037 | 0.002263 | 86.41686478 | 1.30E-17 | 0.0187 | 0.0022 | 73.1131 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs1431545 | T | C | 0.0215 | 0.0293 | 0.4624 |  |  |  |  |  |  |  |  | 5.05E-25 | 0.0211 | 0.0020 | 106.8721 |  |  |  |  |  |  |  |  |
| rs143256331 | C | T | 0.0387 | 0.0866 | 0.6555 |  |  |  |  |  |  |  |  | 8.50E-21 | -0.0681 | 0.0073 | 87.6147 |  |  |  |  |  |  |  |  |
| rs143273199 | C | T | -0.0462 | 0.0297 | 0.1193 |  |  |  |  | 2.05E-42 | -0.0310 | 0.0023 | 186.5653 | 8.85E-17 | -0.0180 | 0.0022 | 69.3008 | 9.29E-213 | -0.0668 | 0.0021 | 969.3715 | 4.29E-108 | -0.0487 | 0.0022 | 487.9827 |
| rs144317085 | T | A | -0.0279 | 0.0582 | 0.6318 |  |  |  |  |  |  |  |  |  |  |  |  | 3.10E-32 | 0.0618 | 0.0052 | 139.8882 | 3.44E-19 | 0.0481 | 0.0054 | 80.2769 |
| rs144569746 | T | C | -0.0695 | 0.0432 | 0.1076 |  |  |  |  | 4.23E-72 | 0.0590 | 0.0033 | 322.7617 |  |  |  |  |  |  |  |  | 1.36E-22 | -0.0311 | 0.0032 | 95.8033 |
| rs1448318 | A | G | -0.0056 | 0.0273 | 0.8387 |  |  |  |  |  |  |  |  | 5.49E-20 | 0.0178 | 0.0019 | 83.8695 |  |  |  |  |  |  |  |  |
| rs1455558 | G | C | -0.0231 | 0.0309 | 0.4557 |  |  |  |  | 1.31E-29 | 0.0254 | 0.0022 | 127.8833 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs145618127 | C | T | 0.1019 | 0.1207 | 0.3986 |  |  |  |  | 3.27E-24 | 0.1001 | 0.0099 | 103.1910 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs145718079 | A | G | -0.0561 | 0.1366 | 0.6813 |  |  |  |  |  |  |  |  |  |  |  |  | 4.68E-16 | -0.0802 | 0.0099 | 66.0300 |  |  |  |  |
| rs1468488 | C | T | -0.0032 | 0.0304 | 0.9150 |  |  |  |  |  |  |  |  |  |  |  |  | 3.36E-52 | 0.0325 | 0.0021 | 231.3841 |  |  |  |  |
| rs1474419 | C | T | 0.0231 | 0.0279 | 0.4085 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2.55E-19 | 0.0177 | 0.0020 | 80.8627 |
| rs148174803 | G | A | -0.0642 | 0.1384 | 0.6425 |  |  |  |  |  |  |  |  |  |  |  |  | 4.85E-22 | -0.0601 | 0.0062 | 93.2849 |  |  |  |  |
| rs148652275 | T | C | 0.0717 | 0.0974 | 0.4613 |  |  |  |  |  |  |  |  |  |  |  |  | 1.09E-18 | -0.0621 | 0.0070 | 78.0085 |  |  |  |  |
| rs148874700 | A | G | -0.1172 | 0.0886 | 0.1859 |  |  |  |  |  |  |  |  |  |  |  |  | 2.83E-21 | 0.0637 | 0.0067 | 89.7899 |  |  |  |  |
| rs148954635 | A | G | -0.1321 | 0.1321 | 0.3175 |  |  |  |  |  |  |  |  |  |  |  |  | 5.67E-19 | -0.0699 | 0.0079 | 79.2925 |  |  |  |  |
| rs149007767 | T | C | -0.0275 | 0.0341 | 0.4196 | 3.48E-20 | 0.026584 | 0.002887 | 84.79047902 |  |  |  |  |  |  |  |  | 1.97E-163 | -0.0722 | 0.0027 | 742.4237 | 5.56E-28 | 0.0298 | 0.0027 | 120.4343 |
| rs149110519 | T | C | -0.0402 | 0.0840 | 0.6324 |  |  |  |  |  |  |  |  |  |  |  |  | 1.51E-48 | 0.0746 | 0.0051 | 214.5796 | 6.98E-21 | -0.0490 | 0.0052 | 87.9992 |
| rs149336514 | C | T | 0.1578 | 0.0912 | 0.0837 |  |  |  |  |  |  |  |  |  |  |  |  | 6.29E-25 | -0.0675 | 0.0065 | 106.4591 |  |  |  |  |
| rs149391212 | T | C | -0.2613 | 0.2881 | 0.3645 | 9.94E-19 | 0.073269 | 0.008286 | 78.18990229 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs149698681 | C | G | -0.1532 | 0.1195 | 0.1999 |  |  |  |  |  |  |  |  |  |  |  |  | 2.67E-33 | 0.0804 | 0.0067 | 144.7368 |  |  |  |  |
| rs150449635 | C | T | -0.0822 | 0.1533 | 0.5920 |  |  |  |  |  |  |  |  |  |  |  |  | 4.24E-97 | 0.1402 | 0.0067 | 437.5985 |  |  |  |  |
| rs150538776 | G | A | 0.0719 | 0.0758 | 0.3430 |  |  |  |  |  |  |  |  |  |  |  |  | 3.73E-19 | -0.0537 | 0.0060 | 80.1205 |  |  |  |  |
| rs151266279 | A | C | 0.0874 | 0.1054 | 0.4072 |  |  |  |  |  |  |  |  | 1.79E-71 | 0.1044 | 0.0058 | 319.8618 |  |  |  |  |  |  |  |  |
| rs1523178 | C | A | -0.0269 | 0.0354 | 0.4471 |  |  |  |  |  |  |  |  | 3.86E-29 | -0.0257 | 0.0023 | 125.6708 |  |  |  |  |  |  |  |  |
| rs153146 | A | G | -0.0118 | 0.0314 | 0.7075 |  |  |  |  | 3.62E-20 | -0.0207 | 0.0023 | 84.7365 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs1533298 | T | C | 0.0149 | 0.0333 | 0.6539 |  |  |  |  |  |  |  |  | 1.19E-49 | 0.0310 | 0.0021 | 219.6327 |  |  |  |  |  |  |  |  |
| rs1539174 | G | C | 0.0320 | 0.0333 | 0.3370 | 1.51E-82 | 0.046398 | 0.00241 | 370.6503683 | 1.12E-59 | 0.0380 | 0.0023 | 265.7655 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs157595 | G | A | -0.0218 | 0.0295 | 0.4596 |  |  |  |  |  |  |  |  |  |  |  |  | 5.10E-20 | -0.0185 | 0.0020 | 84.0414 |  |  |  |  |
| rs159963 | A | C | -0.0348 | 0.0282 | 0.2183 |  |  |  |  | 9.88E-22 | 0.0193 | 0.0020 | 91.8442 | 1.77E-22 | -0.0188 | 0.0019 | 95.2682 |  |  |  |  |  |  |  |  |
| rs1630916 | G | A | 0.0478 | 0.0278 | 0.0858 |  |  |  |  | 5.53E-22 | -0.0195 | 0.0020 | 93.0236 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs1669340 | T | G | -0.0022 | 0.0346 | 0.9490 | 3.09E-34 | -0.033996 | 0.002785 | 149.0065097 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs16841904 | T | C | 0.0345 | 0.0377 | 0.3596 |  |  |  |  |  |  |  |  | 3.66E-21 | -0.0218 | 0.0023 | 89.2648 |  |  |  |  |  |  |  |  |
| rs16850073 | T | C | 0.0022 | 0.0277 | 0.9356 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2.12E-149 | 0.0521 | 0.0020 | 678.0826 |
| rs1689510 | C | G | -0.0373 | 0.0288 | 0.1949 |  |  |  |  | 1.06E-36 | 0.0265 | 0.0021 | 160.2872 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs16904181 | A | G | 0.0314 | 0.0339 | 0.3549 |  |  |  |  |  |  |  |  | 8.88E-22 | 0.0199 | 0.0021 | 92.0858 |  |  |  |  |  |  |  |  |
| rs16928084 | G | A | 0.0338 | 0.0376 | 0.3687 | 1.24E-17 | -0.027734 | 0.003242 | 73.1811115 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs16941541 | A | G | -0.0542 | 0.0733 | 0.4595 |  |  |  |  | 3.55E-36 | -0.0635 | 0.0050 | 157.9256 | 1.79E-36 | -0.0609 | 0.0048 | 159.2677 |  |  |  |  |  |  |  |  |
| rs16989483 | C | T | -0.0114 | 0.0314 | 0.7162 | 3.15E-20 | -0.021088 | 0.002287 | 85.02339778 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs17026212 | G | T | 0.0281 | 0.0273 | 0.3035 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.62E-18 | -0.0168 | 0.0019 | 77.1960 |
| rs17041439 | C | A | -0.0133 | 0.0775 | 0.8632 |  |  |  |  |  |  |  |  | 2.11E-23 | 0.0409 | 0.0041 | 99.5035 |  |  |  |  |  |  |  |  |
| rs17055818 | C | T | -0.0027 | 0.0290 | 0.9248 |  |  |  |  |  |  |  |  | 2.15E-42 | -0.0297 | 0.0022 | 186.4473 |  |  |  |  |  |  |  |  |
| rs17061503 | A | G | -0.0450 | 0.0280 | 0.1082 |  |  |  |  | 8.04E-61 | 0.0355 | 0.0022 | 270.7923 |  |  |  |  | 1.70E-35 | -0.0253 | 0.0020 | 154.8397 |  |  |  |  |
| rs1707304 | A | C | -0.0311 | 0.0272 | 0.2524 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2.80E-23 | -0.0193 | 0.0019 | 98.9182 |
| rs1715429 | G | A | 0.0580 | 0.0301 | 0.0541 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2.87E-18 | 0.0194 | 0.0022 | 76.0654 |
| rs17175830 | A | G | -0.0111 | 0.0320 | 0.7283 |  |  |  |  | 4.13E-42 | 0.0322 | 0.0024 | 185.1326 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs17196752 | T | C | -0.0374 | 0.0318 | 0.2402 |  |  |  |  |  |  |  |  |  |  |  |  | 8.09E-199 | -0.0725 | 0.0024 | 905.3401 |  |  |  |  |
| rs17293632 | T | C | -0.0096 | 0.0308 | 0.7538 |  |  |  |  | 8.92E-37 | 0.0296 | 0.0023 | 160.6396 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs17295246 | A | G | -0.0308 | 0.0309 | 0.3190 |  |  |  |  |  |  |  |  | 4.38E-30 | -0.0259 | 0.0023 | 130.0525 | 3.43E-30 | -0.0256 | 0.0022 | 130.5043 |  |  |  |  |
| rs17387886 | C | G | 0.0404 | 0.0314 | 0.1981 |  |  |  |  |  |  |  |  |  |  |  |  | 1.45E-28 | -0.0278 | 0.0025 | 123.0912 | 2.02E-19 | -0.0232 | 0.0026 | 81.3080 |
| rs17422797 | T | C | 0.0473 | 0.0555 | 0.3938 |  |  |  |  | 1.43E-20 | 0.0357 | 0.0038 | 86.5988 | 6.55E-180 | 0.1054 | 0.0037 | 818.2860 | 2.05E-32 | 0.0433 | 0.0036 | 140.6829 | 3.65E-18 | 0.0324 | 0.0037 | 75.6172 |
| rs174548 | G | C | -0.0740 | 0.0276 | 0.0073 |  |  |  |  | 4.08E-27 | -0.0231 | 0.0021 | 116.4218 |  |  |  |  |  |  |  |  | 7.91E-31 | -0.0239 | 0.0021 | 133.3624 |
| rs175705 | G | C | -0.0234 | 0.0277 | 0.3987 |  |  |  |  | 8.80E-67 | 0.0382 | 0.0022 | 298.2762 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs17575497 | T | C | 0.0381 | 0.0843 | 0.6515 |  |  |  |  |  |  |  |  |  |  |  |  | 0.00E+00 | 0.3666 | 0.0091 | 1635.0938 |  |  |  |  |
| rs17656204 | T | C | 0.0375 | 0.0333 | 0.2602 |  |  |  |  |  |  |  |  |  |  |  |  | 6.78E-156 | -0.0542 | 0.0020 | 708.0829 |  |  |  |  |
| rs17668272 | T | G | 0.1316 | 0.0515 | 0.0106 |  |  |  |  | 7.48E-42 | -0.0417 | 0.0031 | 183.8708 | 1.91E-18 | 0.0257 | 0.0029 | 76.9137 |  |  |  |  |  |  |  |  |
| rs17710008 | A | G | -0.0223 | 0.0402 | 0.5793 |  |  |  |  |  |  |  |  | 4.45E-17 | 0.0206 | 0.0025 | 70.6670 |  |  |  |  |  |  |  |  |
| rs17758695 | T | C | -0.0674 | 0.0666 | 0.3117 | 1.47E-91 | -0.124742 | 0.006145 | 412.0800896 | 1.32E-93 | -0.1221 | 0.0059 | 421.5538 |  |  |  |  | 3.89E-80 | -0.1093 | 0.0058 | 359.6427 |  |  |  |  |
| rs17818167 | A | G | 0.0317 | 0.0433 | 0.4635 |  |  |  |  |  |  |  |  |  |  |  |  | 2.78E-45 | 0.0462 | 0.0033 | 199.6692 |  |  |  |  |
| rs17831500 | C | A | 0.0446 | 0.0317 | 0.1597 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 5.64E-18 | -0.0199 | 0.0023 | 74.7676 |
| rs17860282 | T | C | 0.0351 | 0.0593 | 0.5539 | 2.62E-26 | 0.104693 | 0.009859 | 112.763762 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs1800961 | T | C | 0.0065 | 0.0644 | 0.9192 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 8.99E-21 | -0.0519 | 0.0056 | 87.4947 |
| rs1800973 | A | C | -0.1386 | 0.0612 | 0.0235 |  |  |  |  |  |  |  |  |  |  |  |  | 1.64E-187 | 0.1134 | 0.0039 | 853.2477 |  |  |  |  |
| rs181216093 | T | C | 0.2619 | 0.1298 | 0.0437 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2.49E-26 | -0.1264 | 0.0119 | 112.8701 |
| rs182090955 | A | G | 0.1663 | 0.2360 | 0.4811 | 2.62E-16 | -0.087651 | 0.010695 | 67.16641565 |  |  |  |  |  |  |  |  | 5.85E-19 | -0.0872 | 0.0098 | 79.2333 |  |  |  |  |
| rs1822534 | G | A | -0.0054 | 0.0283 | 0.8479 |  |  |  |  | 2.48E-40 | -0.0270 | 0.0020 | 177.0108 | 7.22E-71 | -0.0344 | 0.0019 | 317.1791 | 4.69E-59 | -0.0310 | 0.0019 | 262.7928 |  |  |  |  |
| rs1823336 | A | T | -0.0515 | 0.0287 | 0.0731 |  |  |  |  |  |  |  |  | 1.08E-22 | 0.0205 | 0.0021 | 96.2317 | 1.08E-46 | 0.0296 | 0.0021 | 206.0102 |  |  |  |  |
| rs183870243 | T | C | 0.0436 | 0.1526 | 0.7749 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 6.45E-43 | 0.1155 | 0.0084 | 188.8008 |
| rs1862362 | G | A | 0.0087 | 0.0270 | 0.7481 |  |  |  |  |  |  |  |  | 4.84E-20 | -0.0175 | 0.0019 | 84.1607 |  |  |  |  |  |  |  |  |
| rs187856913 | A | G | 0.0175 | 0.0556 | 0.7536 |  |  |  |  |  |  |  |  | 6.24E-22 | 0.0482 | 0.0050 | 92.7878 |  |  |  |  |  |  |  |  |
| rs188175496 | T | C | 0.0301 | 0.0867 | 0.7283 |  |  |  |  |  |  |  |  |  |  |  |  | 2.93E-43 | -0.0929 | 0.0067 | 190.3810 |  |  |  |  |
| rs188353899 | T | G | 0.0386 | 0.1188 | 0.7453 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 5.96E-24 | 0.0817 | 0.0081 | 101.9910 |
| rs188626852 | A | C | -0.0692 | 0.1270 | 0.5860 |  |  |  |  |  |  |  |  | 1.65E-16 | 0.0748 | 0.0091 | 68.0803 |  |  |  |  |  |  |  |  |
| rs1887430 | A | G | -0.0124 | 0.0270 | 0.6461 |  |  |  |  | 1.24E-17 | 0.0173 | 0.0020 | 73.2248 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs1892548 | C | T | -0.0108 | 0.0294 | 0.7139 |  |  |  |  |  |  |  |  |  |  |  |  | 4.83E-219 | -0.0628 | 0.0020 | 998.8081 |  |  |  |  |
| rs191605295 | T | C | -0.1491 | 0.1377 | 0.2790 |  |  |  |  | 2.44E-21 | -0.0851 | 0.0090 | 90.0827 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs1921622 | A | G | -0.0160 | 0.0270 | 0.5530 |  |  |  |  | 5.00E-122 | 0.0466 | 0.0020 | 552.0251 | 3.89E-22 | 0.0183 | 0.0019 | 93.7241 |  |  |  |  |  |  |  |  |
| rs192498589 | G | A | -0.0367 | 0.1111 | 0.7412 |  |  |  |  |  |  |  |  |  |  |  |  | 8.24E-18 | 0.0696 | 0.0081 | 74.0025 |  |  |  |  |
| rs192896828 | A | G | -0.0764 | 0.0870 | 0.3802 |  |  |  |  |  |  |  |  |  |  |  |  | 7.66E-45 | 0.1101 | 0.0078 | 197.6127 |  |  |  |  |
| rs1933295 | G | A | -0.0035 | 0.0310 | 0.9112 |  |  |  |  |  |  |  |  |  |  |  |  | 1.74E-25 | -0.0244 | 0.0023 | 109.0169 |  |  |  |  |
| rs1936211 | T | C | -0.0191 | 0.0270 | 0.4793 |  |  |  |  |  |  |  |  |  |  |  |  | 1.65E-16 | 0.0156 | 0.0019 | 68.0799 |  |  |  |  |
| rs1954735 | C | T | 0.0059 | 0.0323 | 0.8558 |  |  |  |  |  |  |  |  |  |  |  |  | 1.01E-16 | 0.0208 | 0.0025 | 69.0479 |  |  |  |  |
| rs1966865 | A | G | 0.0026 | 0.0297 | 0.9303 |  |  |  |  |  |  |  |  | 1.36E-40 | 0.0271 | 0.0020 | 178.1016 |  |  |  |  |  |  |  |  |
| rs1970364 | T | C | 0.0365 | 0.0275 | 0.1845 |  |  |  |  |  |  |  |  |  |  |  |  | 1.32E-19 | 0.0193 | 0.0021 | 82.1817 |  |  |  |  |
| rs1977289 | C | T | 0.0325 | 0.0276 | 0.2390 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2.14E-21 | -0.0182 | 0.0019 | 90.3094 |
| rs1991431 | A | G | 0.0635 | 0.0272 | 0.0194 |  |  |  |  |  |  |  |  | 8.91E-36 | 0.0238 | 0.0019 | 156.0990 |  |  |  |  |  |  |  |  |
| rs1997577 | T | A | -0.0416 | 0.0350 | 0.2351 |  |  |  |  |  |  |  |  |  |  |  |  | 5.80E-30 | -0.0296 | 0.0026 | 129.4311 |  |  |  |  |
| rs2012011 | A | G | -0.0297 | 0.0360 | 0.4090 |  |  |  |  |  |  |  |  |  |  |  |  | 5.11E-34 | -0.0333 | 0.0027 | 147.9773 |  |  |  |  |
| rs2019180 | A | G | -0.0017 | 0.0450 | 0.9693 |  |  |  |  |  |  |  |  |  |  |  |  | 2.57E-27 | -0.0367 | 0.0034 | 117.3494 |  |  |  |  |
| rs2038700 | C | T | 0.0843 | 0.0277 | 0.0023 |  |  |  |  |  |  |  |  |  |  |  |  | 2.81E-96 | 0.0400 | 0.0019 | 433.9373 | 1.25E-64 | 0.0335 | 0.0020 | 288.5170 |
| rs2068888 | A | G | -0.0122 | 0.0269 | 0.6499 |  |  |  |  | 1.92E-17 | 0.0169 | 0.0020 | 72.3098 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs2070596 | A | T | 0.0077 | 0.0413 | 0.8512 | 3.30E-19 | 0.022675 | 0.002529 | 80.38905673 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs2072732 | C | T | 0.0429 | 0.0379 | 0.2584 |  |  |  |  |  |  |  |  |  |  |  |  | 2.02E-18 | 0.0213 | 0.0024 | 76.7899 |  |  |  |  |
| rs2072804 | A | G | 0.0616 | 0.0302 | 0.0414 |  |  |  |  |  |  |  |  | 2.12E-36 | -0.0259 | 0.0021 | 158.9247 | 1.27E-19 | -0.0184 | 0.0020 | 82.2825 |  |  |  |  |
| rs2084312 | T | C | -0.0093 | 0.0311 | 0.7643 |  |  |  |  |  |  |  |  | 1.15E-23 | 0.0238 | 0.0024 | 100.7340 | 8.97E-58 | 0.0377 | 0.0024 | 256.9264 | 5.28E-17 | 0.0202 | 0.0024 | 70.3542 |
| rs2089979 | G | A | 0.0010 | 0.0271 | 0.9708 |  |  |  |  |  |  |  |  | 4.10E-72 | -0.0345 | 0.0019 | 322.9332 | 1.65E-50 | -0.0284 | 0.0019 | 223.6749 | 6.41E-26 | -0.0206 | 0.0020 | 110.9605 |
| rs2095044 | C | T | 0.0147 | 0.0316 | 0.6405 |  |  |  |  | 0.00E+00 | -0.0939 | 0.0023 | 1717.1053 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs2098695 | G | A | -0.0347 | 0.0296 | 0.2403 |  |  |  |  |  |  |  |  |  |  |  |  | 1.62E-20 | -0.0189 | 0.0020 | 86.2950 |  |  |  |  |
| rs210143 | C | T | 0.0433 | 0.0326 | 0.1838 |  |  |  |  | 8.07E-68 | 0.0378 | 0.0022 | 303.0006 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs2101975 | G | A | 0.0473 | 0.0271 | 0.0812 |  |  |  |  |  |  |  |  | 6.92E-45 | -0.0269 | 0.0019 | 197.8937 |  |  |  |  |  |  |  |  |
| rs2111485 | G | A | -0.0452 | 0.0273 | 0.0984 |  |  |  |  |  |  |  |  | 3.83E-18 | -0.0168 | 0.0019 | 75.5403 |  |  |  |  |  |  |  |  |
| rs2112801 | A | T | 0.0129 | 0.0460 | 0.7793 | 3.95E-16 | 0.027628 | 0.003392 | 66.3417934 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs2118140 | G | A | -0.0041 | 0.0275 | 0.8808 | 4.03E-19 | 0.018347 | 0.002052 | 79.94207358 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs212409 | A | G | -0.0136 | 0.0273 | 0.6181 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4.71E-28 | -0.0212 | 0.0019 | 120.6814 |
| rs2157691 | C | G | -0.0170 | 0.0284 | 0.5499 |  |  |  |  |  |  |  |  | 1.24E-44 | 0.0298 | 0.0021 | 196.6588 |  |  |  |  |  |  |  |  |
| rs218264 | T | A | 0.0004 | 0.0314 | 0.9893 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 5.59E-46 | 0.0318 | 0.0022 | 202.8296 |
| rs2182885 | A | G | -0.0203 | 0.0272 | 0.4552 |  |  |  |  | 2.05E-38 | 0.0263 | 0.0020 | 168.1813 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs2209627 | G | A | 0.0400 | 0.0386 | 0.2994 |  |  |  |  |  |  |  |  | 2.25E-17 | -0.0215 | 0.0025 | 72.0123 |  |  |  |  |  |  |  |  |
| rs2213290 | T | C | 0.0288 | 0.0287 | 0.3164 |  |  |  |  |  |  |  |  |  |  |  |  | 1.11E-75 | 0.0356 | 0.0019 | 339.2499 |  |  |  |  |
| rs2228467 | C | T | -0.0013 | 0.0508 | 0.9790 |  |  |  |  | 8.83E-52 | 0.0623 | 0.0041 | 229.4514 |  |  |  |  | 0.00E+00 | 0.1571 | 0.0039 | 1652.1153 |  |  |  |  |
| rs2238792 | T | C | -0.0558 | 0.0278 | 0.0449 |  |  |  |  |  |  |  |  | 1.33E-23 | 0.0218 | 0.0022 | 100.3864 | 2.38E-16 | 0.0177 | 0.0022 | 67.3329 |  |  |  |  |
| rs2239630 | G | A | -0.0025 | 0.0269 | 0.9245 | 3.23E-50 | 0.030876 | 0.002071 | 222.2705206 | 6.54E-60 | 0.0328 | 0.0020 | 266.8429 |  |  |  |  | 4.68E-146 | 0.0488 | 0.0019 | 662.9336 |  |  |  |  |
| rs224122 | A | T | 0.0423 | 0.0514 | 0.4103 |  |  |  |  | 2.86E-29 | 0.0350 | 0.0031 | 126.2718 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs2241899 | T | C | 0.0418 | 0.0323 | 0.1957 |  |  |  |  | 1.58E-25 | 0.0234 | 0.0022 | 109.1806 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs2248919 | G | A | 0.0002 | 0.0293 | 0.9941 |  |  |  |  | 1.62E-25 | -0.0216 | 0.0021 | 109.1066 | 3.60E-76 | 0.0366 | 0.0020 | 341.4105 |  |  |  |  |  |  |  |  |
| rs2249989 | G | C | -0.0297 | 0.0310 | 0.3386 |  |  |  |  |  |  |  |  | 6.12E-24 | -0.0226 | 0.0022 | 101.9667 |  |  |  |  |  |  |  |  |
| rs2260766 | G | A | 0.0130 | 0.0294 | 0.6582 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 5.22E-27 | 0.0230 | 0.0021 | 115.9080 |
| rs2265927 | G | T | 0.0528 | 0.0310 | 0.0881 |  |  |  |  |  |  |  |  |  |  |  |  | 2.04E-24 | 0.0228 | 0.0022 | 104.0930 |  |  |  |  |
| rs2271352 | C | G | 0.0412 | 0.0321 | 0.1988 | 1.44E-65 | 0.042265 | 0.00247 | 292.7978208 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs2271400 | T | C | -0.0112 | 0.0289 | 0.6993 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 5.57E-30 | -0.0236 | 0.0021 | 129.6061 |
| rs2273215 | A | G | -0.0010 | 0.0277 | 0.9718 |  |  |  |  |  |  |  |  |  |  |  |  | 2.72E-20 | -0.0181 | 0.0020 | 85.3012 |  |  |  |  |
| rs2278772 | A | T | 0.0001 | 0.0350 | 0.9985 |  |  |  |  |  |  |  |  | 1.84E-16 | 0.0186 | 0.0023 | 67.8617 |  |  |  |  |  |  |  |  |
| rs2282718 | A | G | -0.0407 | 0.0275 | 0.1388 |  |  |  |  |  |  |  |  | 3.25E-18 | -0.0176 | 0.0020 | 75.8610 |  |  |  |  |  |  |  |  |
| rs2282988 | C | T | 0.1240 | 0.0846 | 0.1429 | 7.98E-31 | -0.08913 | 0.007717 | 133.398459 | 5.65E-26 | -0.0788 | 0.0075 | 111.2428 |  |  |  |  |  |  |  |  | 3.62E-69 | -0.1263 | 0.0072 | 309.1956 |
| rs228953 | A | G | 0.0046 | 0.0270 | 0.8649 |  |  |  |  | 8.59E-27 | -0.0217 | 0.0020 | 114.9472 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs2290846 | A | G | -0.0330 | 0.0323 | 0.3070 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 9.92E-19 | 0.0188 | 0.0021 | 78.1566 |
| rs2292383 | C | T | -0.0457 | 0.0576 | 0.4270 |  |  |  |  | 1.28E-18 | -0.0362 | 0.0041 | 77.6752 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs2294861 | T | C | -0.0177 | 0.0316 | 0.5753 |  |  |  |  |  |  |  |  | 3.84E-20 | 0.0190 | 0.0021 | 84.5795 |  |  |  |  |  |  |  |  |
| rs2297508 | G | C | 0.0355 | 0.0276 | 0.1982 |  |  |  |  |  |  |  |  | 2.20E-27 | -0.0224 | 0.0021 | 117.6616 | 2.06E-17 | -0.0174 | 0.0020 | 72.1710 |  |  |  |  |
| rs2304776 | T | C | 0.0278 | 0.0272 | 0.3065 |  |  |  |  |  |  |  |  | 3.81E-18 | -0.0164 | 0.0019 | 75.4939 |  |  |  |  |  |  |  |  |
| rs2313571 | T | C | -0.0032 | 0.0294 | 0.9124 |  |  |  |  |  |  |  |  | 1.80E-17 | 0.0169 | 0.0020 | 72.4859 |  |  |  |  |  |  |  |  |
| rs231988 | C | T | 0.0836 | 0.0456 | 0.0669 |  |  |  |  |  |  |  |  |  |  |  |  | 4.80E-19 | 0.0258 | 0.0029 | 79.6161 |  |  |  |  |
| rs2324597 | G | A | -0.0164 | 0.0318 | 0.6070 |  |  |  |  |  |  |  |  |  |  |  |  | 3.80E-17 | 0.0175 | 0.0021 | 70.9772 |  |  |  |  |
| rs2369842 | T | G | -0.0388 | 0.0315 | 0.2186 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3.98E-18 | 0.0196 | 0.0023 | 75.4601 |
| rs2371108 | T | G | -0.0032 | 0.0279 | 0.9097 |  |  |  |  | 7.42E-21 | 0.0190 | 0.0020 | 87.8537 | 5.60E-33 | 0.0207 | 0.0017 | 143.2942 |  |  |  |  |  |  |  |  |
| rs2412544 | T | C | -0.0018 | 0.0271 | 0.9466 |  |  |  |  |  |  |  |  | 1.13E-16 | -0.0162 | 0.0019 | 68.8244 |  |  |  |  |  |  |  |  |
| rs2421200 | T | G | -0.0466 | 0.0272 | 0.0869 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.03E-26 | -0.0205 | 0.0019 | 114.6363 |
| rs2476601 | G | A | 0.0589 | 0.0378 | 0.1188 |  |  |  |  |  |  |  |  | 1.47E-67 | 0.0544 | 0.0031 | 301.9184 |  |  |  |  | 5.82E-33 | 0.0380 | 0.0032 | 143.1554 |
| rs247826 | T | C | -0.0537 | 0.0302 | 0.0754 |  |  |  |  |  |  |  |  | 1.19E-63 | 0.0387 | 0.0023 | 283.8799 | 7.20E-51 | 0.0340 | 0.0023 | 225.1457 | 4.44E-17 | 0.0196 | 0.0023 | 70.6637 |
| rs2489279 | G | C | -0.0278 | 0.0296 | 0.3476 |  |  |  |  |  |  |  |  | 1.28E-18 | 0.0176 | 0.0020 | 77.6905 |  |  |  |  |  |  |  |  |
| rs2497318 | T | C | 0.0087 | 0.0270 | 0.7473 |  |  |  |  | 1.96E-49 | -0.0299 | 0.0020 | 218.5713 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs2502995 | C | T | 0.0187 | 0.0271 | 0.4912 |  |  |  |  | 1.06E-27 | 0.0219 | 0.0020 | 119.1500 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs2548499 | G | A | -0.0029 | 0.0343 | 0.9329 |  |  |  |  |  |  |  |  | 3.49E-16 | 0.0190 | 0.0023 | 66.6196 |  |  |  |  |  |  |  |  |
| rs2561758 | G | A | 0.0171 | 0.0302 | 0.5713 |  |  |  |  |  |  |  |  | 1.16E-18 | -0.0189 | 0.0021 | 77.8668 | 2.51E-23 | -0.0211 | 0.0021 | 99.1054 | 3.49E-55 | -0.0340 | 0.0022 | 244.9736 |
| rs2579506 | A | G | -0.0510 | 0.0271 | 0.0599 |  |  |  |  | 1.17E-120 | 0.0475 | 0.0020 | 545.6317 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs2594716 | T | C | 0.0362 | 0.0279 | 0.1944 |  |  |  |  |  |  |  |  | 1.32E-73 | 0.0367 | 0.0020 | 329.5552 | 4.90E-21 | 0.0189 | 0.0020 | 88.6979 |  |  |  |  |
| rs259967 | C | T | 0.0661 | 0.0270 | 0.0142 |  |  |  |  |  |  |  |  | 5.30E-30 | -0.0217 | 0.0019 | 129.6463 |  |  |  |  |  |  |  |  |
| rs259981 | A | T | -0.0193 | 0.0282 | 0.4944 |  |  |  |  |  |  |  |  | 3.91E-42 | -0.0271 | 0.0020 | 185.1485 |  |  |  |  |  |  |  |  |
| rs2665405 | A | G | -0.0062 | 0.0270 | 0.8179 | 9.08E-32 | 0.024078 | 0.002052 | 137.6848346 |  |  |  |  | 3.56E-31 | 0.0220 | 0.0019 | 135.0058 | 5.37E-93 | 0.0384 | 0.0019 | 418.8524 | 6.74E-53 | 0.0295 | 0.0019 | 234.5174 |
| rs2702929 | A | G | -0.0617 | 0.0270 | 0.0223 | 2.74E-17 | 0.017644 | 0.002085 | 71.61136955 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs2706239 | A | G | -0.0273 | 0.0374 | 0.4650 |  |  |  |  |  |  |  |  | 4.67E-22 | 0.0256 | 0.0027 | 93.3837 |  |  |  |  |  |  |  |  |
| rs2710804 | C | T | -0.0201 | 0.0281 | 0.4752 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3.76E-23 | 0.0197 | 0.0020 | 98.3636 |
| rs2711981 | T | C | -0.0511 | 0.0271 | 0.0596 |  |  |  |  |  |  |  |  |  |  |  |  | 1.59E-27 | -0.0216 | 0.0020 | 118.2903 |  |  |  |  |
| rs2729450 | C | T | -0.0529 | 0.0268 | 0.0487 |  |  |  |  |  |  |  |  | 3.88E-16 | -0.0155 | 0.0019 | 66.3612 | 1.36E-59 | -0.0306 | 0.0019 | 265.2517 | 1.16E-23 | -0.0194 | 0.0019 | 100.6331 |
| rs2729707 | G | A | 0.0097 | 0.0333 | 0.7716 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2.68E-44 | -0.0357 | 0.0026 | 195.0470 |
| rs2734047 | G | A | 0.0452 | 0.0292 | 0.1215 |  |  |  |  | 6.82E-42 | -0.0281 | 0.0021 | 184.1256 |  |  |  |  | 0.00E+00 | 0.0772 | 0.0020 | 1562.1527 | 7.51E-18 | 0.0173 | 0.0020 | 74.1827 |
| rs2734442 | A | G | 0.0152 | 0.0407 | 0.7079 |  |  |  |  |  |  |  |  |  |  |  |  | 3.00E-49 | -0.0420 | 0.0028 | 217.7750 |  |  |  |  |
| rs2755253 | T | C | -0.0546 | 0.0278 | 0.0497 |  |  |  |  |  |  |  |  | 2.87E-50 | -0.0309 | 0.0021 | 222.4446 |  |  |  |  |  |  |  |  |
| rs275943 | T | G | -0.0193 | 0.0275 | 0.4821 |  |  |  |  |  |  |  |  |  |  |  |  | 1.81E-23 | 0.0196 | 0.0020 | 99.7962 |  |  |  |  |
| rs2802984 | C | T | 0.0367 | 0.0520 | 0.4802 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.32E-16 | 0.0287 | 0.0035 | 68.5160 |
| rs2807303 | A | G | -0.0531 | 0.0290 | 0.0672 |  |  |  |  |  |  |  |  | 2.79E-27 | 0.0216 | 0.0020 | 117.2004 |  |  |  |  |  |  |  |  |
| rs2807743 | T | C | 0.0167 | 0.0336 | 0.6190 | 2.87E-17 | 0.02066 | 0.002443 | 71.51772656 | 7.43E-51 | 0.0355 | 0.0024 | 225.1015 |  |  |  |  |  |  |  |  | 2.16E-45 | 0.0324 | 0.0023 | 200.1898 |
| rs2812208 | C | G | -0.0447 | 0.0917 | 0.6255 |  |  |  |  |  |  |  |  | 5.64E-19 | -0.0587 | 0.0066 | 79.2943 |  |  |  |  |  |  |  |  |
| rs2817441 | T | C | -0.0165 | 0.0303 | 0.5857 |  |  |  |  |  |  |  |  |  |  |  |  | 4.67E-25 | -0.0217 | 0.0021 | 107.0732 |  |  |  |  |
| rs2834684 | T | C | 0.0340 | 0.0316 | 0.2815 |  |  |  |  | 6.81E-34 | -0.0261 | 0.0022 | 147.4006 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs2835718 | C | T | -0.0150 | 0.0382 | 0.6950 |  |  |  |  | 7.24E-26 | -0.0326 | 0.0031 | 110.7179 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs284324 | A | G | -0.0421 | 0.0277 | 0.1278 |  |  |  |  |  |  |  |  |  |  |  |  | 5.94E-27 | 0.0212 | 0.0020 | 115.6990 |  |  |  |  |
| rs28498283 | T | A | -0.0175 | 0.0308 | 0.5691 |  |  |  |  |  |  |  |  |  |  |  |  | 2.41E-22 | 0.0211 | 0.0022 | 94.6606 |  |  |  |  |
| rs28530750 | A | G | -0.1332 | 0.0855 | 0.1193 |  |  |  |  |  |  |  |  |  |  |  |  | 3.90E-21 | 0.0443 | 0.0047 | 89.1470 | 2.36E-31 | 0.0561 | 0.0048 | 135.8203 |
| rs28533432 | T | C | 0.0237 | 0.0290 | 0.4140 |  |  |  |  |  |  |  |  | 7.17E-33 | -0.0251 | 0.0021 | 142.8355 |  |  |  |  |  |  |  |  |
| rs28539372 | A | T | 0.0263 | 0.0287 | 0.3592 | 2.63E-29 | -0.024745 | 0.0022 | 126.5113688 |  |  |  |  | 3.38E-78 | 0.0381 | 0.0020 | 350.6588 |  |  |  |  |  |  |  |  |
| rs2853951 | T | C | -0.0540 | 0.0304 | 0.0755 | 1.04E-39 | 0.027574 | 0.00209 | 174.0632028 | 8.43E-56 | 0.0318 | 0.0020 | 247.7899 | 0.00E+00 | 0.0760 | 0.0019 | 1551.7228 | 2.76E-35 | 0.0237 | 0.0019 | 153.8432 | 1.76E-197 | 0.0587 | 0.0020 | 898.9896 |
| rs28615248 | C | T | -0.0170 | 0.0327 | 0.6035 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 7.59E-22 | -0.0234 | 0.0024 | 92.4222 |
| rs28678167 | T | G | -0.0177 | 0.0277 | 0.5234 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3.00E-24 | -0.0212 | 0.0021 | 103.3969 |
| rs28722705 | T | A | 0.0095 | 0.0450 | 0.8326 |  |  |  |  |  |  |  |  |  |  |  |  | 1.00E-38 | 0.0343 | 0.0026 | 169.5928 |  |  |  |  |
| rs28732146 | A | T | -0.0104 | 0.0353 | 0.7691 | 2.07E-20 | 0.023847 | 0.002574 | 85.83223439 | 2.91E-60 | 0.0408 | 0.0025 | 268.3939 | 5.71E-108 | 0.0525 | 0.0024 | 487.5962 |  |  |  |  | 4.06E-23 | 0.0239 | 0.0024 | 98.2199 |
| rs290773 | A | G | 0.0283 | 0.0326 | 0.3861 |  |  |  |  |  |  |  |  |  |  |  |  | 4.44E-24 | -0.0200 | 0.0020 | 102.5913 |  |  |  |  |
| rs2922755 | T | G | -0.0023 | 0.0275 | 0.9344 |  |  |  |  |  |  |  |  | 1.43E-16 | 0.0156 | 0.0019 | 68.3886 |  |  |  |  |  |  |  |  |
| rs2945412 | A | G | -0.0150 | 0.0277 | 0.5888 |  |  |  |  |  |  |  |  |  |  |  |  | 9.89E-26 | -0.0199 | 0.0019 | 110.0787 |  |  |  |  |
| rs2977799 | G | A | 0.0131 | 0.0270 | 0.6282 | 1.17E-40 | 0.027476 | 0.002057 | 178.4179036 |  |  |  |  |  |  |  |  | 1.52E-23 | -0.0188 | 0.0019 | 100.1064 |  |  |  |  |
| rs2991819 | T | C | -0.0203 | 0.0347 | 0.5577 |  |  |  |  | 8.84E-18 | -0.0232 | 0.0027 | 73.8643 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs2992333 | A | G | 0.0192 | 0.0290 | 0.5090 | 2.94E-28 | -0.02311 | 0.002095 | 121.6835402 | 1.35E-63 | -0.0342 | 0.0020 | 283.6102 | 1.53E-26 | -0.0206 | 0.0019 | 113.8698 |  |  |  |  |  |  |  |  |
| rs3012380 | A | G | -0.0293 | 0.0522 | 0.5753 |  |  |  |  |  |  |  |  |  |  |  |  | 2.53E-16 | 0.0272 | 0.0033 | 67.2479 |  |  |  |  |
| rs3024971 | G | T | 0.0439 | 0.0649 | 0.4985 |  |  |  |  | 5.04E-36 | -0.0402 | 0.0032 | 157.1824 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs303753 | A | G | -0.0236 | 0.0282 | 0.4035 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 9.57E-29 | -0.0228 | 0.0020 | 123.8785 |
| rs309190 | C | T | -0.0048 | 0.0386 | 0.9014 |  |  |  |  |  |  |  |  | 2.67E-28 | -0.0357 | 0.0032 | 121.8526 | 1.79E-16 | -0.0264 | 0.0032 | 67.9310 |  |  |  |  |
| rs309375 | A | C | 0.0089 | 0.0272 | 0.7425 |  |  |  |  |  |  |  |  | 7.84E-23 | 0.0192 | 0.0020 | 96.9079 |  |  |  |  |  |  |  |  |
| rs3102347 | G | A | -0.0187 | 0.0374 | 0.6164 |  |  |  |  |  |  |  |  | 2.28E-17 | -0.0223 | 0.0026 | 71.9657 |  |  |  |  |  |  |  |  |
| rs3118469 | T | A | -0.0244 | 0.0280 | 0.3833 |  |  |  |  |  |  |  |  | 1.50E-45 | 0.0292 | 0.0021 | 200.8962 |  |  |  |  |  |  |  |  |
| rs312722 | C | G | -0.0208 | 0.0350 | 0.5515 |  |  |  |  | 7.34E-25 | -0.0237 | 0.0023 | 106.1196 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs3218251 | A | T | -0.0134 | 0.0297 | 0.6515 |  |  |  |  | 4.79E-16 | 0.0182 | 0.0022 | 65.9740 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs333947 | A | G | 0.0252 | 0.0365 | 0.4892 |  |  |  |  |  |  |  |  | 4.09E-23 | 0.0264 | 0.0027 | 98.1489 | 2.21E-44 | 0.0368 | 0.0026 | 195.5540 |  |  |  |  |
| rs33914440 | T | C | 0.0591 | 0.0508 | 0.2445 |  |  |  |  |  |  |  |  | 1.82E-18 | -0.0328 | 0.0037 | 76.9956 |  |  |  |  |  |  |  |  |
| rs33951980 | T | C | 0.0562 | 0.0398 | 0.1577 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 6.63E-22 | -0.0276 | 0.0029 | 92.6624 |
| rs33967958 | C | T | 0.0144 | 0.0283 | 0.6093 |  |  |  |  |  |  |  |  | 2.10E-30 | -0.0237 | 0.0021 | 131.4512 |  |  |  |  |  |  |  |  |
| rs34025077 | G | A | -0.0052 | 0.0554 | 0.9249 |  |  |  |  |  |  |  |  | 1.25E-25 | -0.0328 | 0.0031 | 109.6442 |  |  |  |  |  |  |  |  |
| rs340833 | A | G | -0.0018 | 0.0272 | 0.9461 | 1.63E-28 | -0.022843 | 0.002061 | 122.8429666 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs34089598 | C | A | 0.0070 | 0.0270 | 0.7957 |  |  |  |  | 5.71E-56 | -0.0319 | 0.0020 | 248.7094 | 9.29E-143 | 0.0490 | 0.0019 | 647.5491 |  |  |  |  |  |  |  |  |
| rs34092021 | A | G | 0.0307 | 0.0483 | 0.5248 |  |  |  |  |  |  |  |  |  |  |  |  | 1.58E-32 | -0.0370 | 0.0031 | 141.2303 | 3.87E-29 | -0.0358 | 0.0032 | 125.6981 |
| rs34134460 | A | C | -0.0565 | 0.0273 | 0.0388 |  |  |  |  |  |  |  |  |  |  |  |  | 2.85E-23 | -0.0192 | 0.0019 | 98.9068 |  |  |  |  |
| rs34140544 | C | G | -0.0657 | 0.0275 | 0.0171 |  |  |  |  |  |  |  |  | 1.40E-17 | 0.0170 | 0.0020 | 72.9159 |  |  |  |  |  |  |  |  |
| rs34158728 | A | G | -0.0392 | 0.0556 | 0.4813 | 3.24E-53 | 0.094813 | 0.006172 | 235.9847519 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs34173062 | A | G | -0.0702 | 0.0616 | 0.2549 |  |  |  |  | 1.55E-40 | 0.0546 | 0.0041 | 177.8582 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs34187696 | A | C | 0.0071 | 0.0309 | 0.8178 |  |  |  |  |  |  |  |  |  |  |  |  | 6.95E-18 | 0.0181 | 0.0021 | 74.3239 |  |  |  |  |
| rs34210653 | A | G | 0.0841 | 0.1625 | 0.6047 |  |  |  |  | 8.11E-140 | -0.1756 | 0.0070 | 633.9231 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs342242 | C | T | 0.0204 | 0.0269 | 0.4493 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3.62E-16 | -0.0158 | 0.0019 | 66.5410 |
| rs34225843 | T | C | -0.0460 | 0.1709 | 0.7878 |  |  |  |  | 2.28E-18 | -0.0758 | 0.0087 | 76.5529 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs34236350 | T | C | 0.0406 | 0.0305 | 0.1838 |  |  |  |  |  |  |  |  |  |  |  |  | 8.44E-38 | -0.0322 | 0.0025 | 165.3281 |  |  |  |  |
| rs34263337 | A | G | 0.0924 | 0.0435 | 0.0336 |  |  |  |  |  |  |  |  |  |  |  |  | 6.22E-21 | 0.0257 | 0.0027 | 88.2047 |  |  |  |  |
| rs34263494 | T | A | 0.0545 | 0.0675 | 0.4191 |  |  |  |  | 3.28E-17 | -0.0397 | 0.0047 | 71.2795 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs34290285 | A | G | -0.0610 | 0.0329 | 0.0638 |  |  |  |  | 4.73E-91 | -0.0459 | 0.0023 | 409.6919 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs34327 | C | T | -0.0260 | 0.0277 | 0.3466 |  |  |  |  |  |  |  |  | 5.91E-42 | -0.0259 | 0.0019 | 184.3301 |  |  |  |  |  |  |  |  |
| rs34487722 | C | T | -0.0181 | 0.0407 | 0.6568 |  |  |  |  |  |  |  |  | 1.09E-16 | 0.0215 | 0.0026 | 68.8836 |  |  |  |  |  |  |  |  |
| rs34495 | T | G | 0.0155 | 0.0359 | 0.6659 |  |  |  |  | 3.67E-20 | -0.0198 | 0.0022 | 84.6742 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs34505104 | G | A | 0.0436 | 0.0301 | 0.1482 |  |  |  |  | 1.22E-33 | -0.0261 | 0.0022 | 146.3092 | 2.66E-18 | -0.0184 | 0.0021 | 76.2136 | 6.38E-57 | -0.0331 | 0.0021 | 252.9825 |  |  |  |  |
| rs34600126 | T | G | 0.0045 | 0.0339 | 0.8950 |  |  |  |  |  |  |  |  |  |  |  |  | 6.03E-23 | 0.0224 | 0.0023 | 97.4394 |  |  |  |  |
| rs34645101 | C | T | -0.3530 | 0.2513 | 0.1602 |  |  |  |  | 6.52E-25 | 0.0960 | 0.0093 | 106.3845 |  |  |  |  | 5.91E-19 | 0.0778 | 0.0087 | 79.2122 |  |  |  |  |
| rs346835 | T | C | 0.0087 | 0.0282 | 0.7571 |  |  |  |  | 7.55E-37 | -0.0267 | 0.0021 | 160.9184 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs34765661 | C | T | -0.0574 | 0.0446 | 0.1985 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 8.58E-27 | 0.0417 | 0.0039 | 114.9762 |
| rs34850939 | A | G | 0.0329 | 0.0290 | 0.2565 |  |  |  |  |  |  |  |  | 1.63E-117 | 0.0481 | 0.0021 | 531.1412 | 2.67E-20 | 0.0190 | 0.0021 | 85.3672 |  |  |  |  |
| rs35004006 | G | A | -0.0057 | 0.0337 | 0.8657 |  |  |  |  |  |  |  |  |  |  |  |  | 1.79E-17 | 0.0190 | 0.0022 | 72.4483 |  |  |  |  |
| rs35020138 | C | T | -0.0059 | 0.0291 | 0.8389 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.42E-17 | -0.0176 | 0.0021 | 72.9397 |
| rs35102205 | C | G | -0.1086 | 0.1272 | 0.3933 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3.81E-23 | -0.0668 | 0.0067 | 98.3113 |
| rs35114152 | G | A | 0.0314 | 0.0288 | 0.2743 |  |  |  |  |  |  |  |  | 1.73E-27 | 0.0247 | 0.0023 | 118.1674 |  |  |  |  |  |  |  |  |
| rs35186877 | A | G | 0.0041 | 0.0363 | 0.9111 |  |  |  |  | 5.21E-19 | -0.0217 | 0.0024 | 79.4710 | 1.94E-42 | 0.0319 | 0.0023 | 186.6762 |  |  |  |  |  |  |  |  |
| rs35249183 | G | A | 0.0464 | 0.0615 | 0.4506 |  |  |  |  | 1.46E-32 | 0.0400 | 0.0034 | 141.3229 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs35493131 | G | A | 0.1440 | 0.0694 | 0.0380 |  |  |  |  |  |  |  |  |  |  |  |  | 1.41E-27 | 0.0409 | 0.0038 | 118.5248 |  |  |  |  |
| rs35571080 | C | T | 0.0236 | 0.0319 | 0.4599 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.29E-25 | 0.0245 | 0.0023 | 109.5970 |
| rs35592432 | C | G | -0.0398 | 0.0856 | 0.6418 |  |  |  |  |  |  |  |  | 1.68E-68 | 0.1085 | 0.0062 | 306.1738 |  |  |  |  |  |  |  |  |
| rs35734242 | C | T | 0.0656 | 0.0271 | 0.0155 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 5.42E-31 | 0.0234 | 0.0020 | 134.1106 |
| rs35900031 | T | G | 0.0818 | 0.0435 | 0.0597 | 3.18E-31 | 0.033803 | 0.002907 | 135.213616 |  |  |  |  |  |  |  |  | 1.44E-34 | -0.0325 | 0.0026 | 150.5558 |  |  |  |  |
| rs35979828 | T | C | 0.1541 | 0.0903 | 0.0877 |  |  |  |  | 3.42E-17 | -0.0328 | 0.0039 | 71.1925 |  |  |  |  | 1.28E-35 | -0.0461 | 0.0037 | 155.3112 |  |  |  |  |
| rs36020612 | T | C | -0.0325 | 0.0328 | 0.3227 |  |  |  |  |  |  |  |  | 2.05E-17 | 0.0207 | 0.0024 | 72.1836 |  |  |  |  |  |  |  |  |
| rs36055714 | C | T | 0.0646 | 0.0282 | 0.0222 |  |  |  |  |  |  |  |  |  |  |  |  | 1.49E-41 | -0.0265 | 0.0020 | 182.5327 |  |  |  |  |
| rs36084354 | A | G | 0.1402 | 0.0486 | 0.0039 |  |  |  |  | 1.17E-39 | -0.0454 | 0.0034 | 173.8244 | 6.60E-71 | -0.0607 | 0.0034 | 317.2244 |  |  |  |  |  |  |  |  |
| rs3731211 | A | T | -0.0272 | 0.0322 | 0.3974 |  |  |  |  |  |  |  |  | 5.14E-95 | 0.0436 | 0.0021 | 428.1580 | 2.51E-42 | 0.0284 | 0.0021 | 186.0124 |  |  |  |  |
| rs3731332 | T | C | 0.1528 | 0.1011 | 0.1306 | 5.36E-49 | -0.103985 | 0.007064 | 216.6905696 | 1.54E-24 | -0.0701 | 0.0069 | 104.6822 |  |  |  |  | 4.01E-64 | -0.1080 | 0.0064 | 286.0632 | 9.69E-75 | -0.1196 | 0.0065 | 334.8519 |
| rs3732378 | A | G | 0.0307 | 0.0369 | 0.4049 |  |  |  |  |  |  |  |  | 3.04E-44 | 0.0348 | 0.0025 | 194.8785 | 1.07E-108 | 0.0545 | 0.0025 | 490.7971 |  |  |  |  |
| rs3735485 | G | A | -0.0123 | 0.0408 | 0.7628 |  |  |  |  |  |  |  |  | 3.56E-63 | 0.0444 | 0.0026 | 281.7139 |  |  |  |  | 4.20E-28 | 0.0295 | 0.0027 | 120.9344 |
| rs3739706 | G | A | 0.0455 | 0.0358 | 0.2047 |  |  |  |  |  |  |  |  |  |  |  |  | 8.47E-17 | -0.0212 | 0.0025 | 69.4139 |  |  |  |  |
| rs3748022 | T | C | 0.0288 | 0.0317 | 0.3631 |  |  |  |  |  |  |  |  | 1.67E-27 | -0.0249 | 0.0023 | 118.2395 |  |  |  |  |  |  |  |  |
| rs3749440 | G | A | -0.0463 | 0.0296 | 0.1180 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2.20E-18 | 0.0174 | 0.0020 | 76.5801 |
| rs3749748 | T | C | 0.0668 | 0.0369 | 0.0702 |  |  |  |  |  |  |  |  | 3.93E-32 | -0.0260 | 0.0022 | 139.4311 |  |  |  |  |  |  |  |  |
| rs3762297 | T | C | 0.0222 | 0.0332 | 0.5043 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2.83E-21 | 0.0239 | 0.0025 | 89.7760 |
| rs3781454 | A | G | 0.0102 | 0.0274 | 0.7093 | 1.03E-16 | 0.018276 | 0.0022 | 69.01078017 |  |  |  |  |  |  |  |  |  |  |  |  | 6.26E-31 | 0.0242 | 0.0021 | 133.9359 |
| rs3795445 | C | A | 0.0154 | 0.0273 | 0.5728 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 9.66E-31 | -0.0236 | 0.0020 | 133.0381 |
| rs3795503 | T | C | -0.0405 | 0.0283 | 0.1531 |  |  |  |  |  |  |  |  |  |  |  |  | 1.68E-20 | -0.0189 | 0.0020 | 86.2506 |  |  |  |  |
| rs3804590 | T | G | -0.0054 | 0.0292 | 0.8525 |  |  |  |  | 3.76E-17 | 0.0180 | 0.0021 | 70.9879 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs3808609 | C | G | -0.0110 | 0.0280 | 0.6939 |  |  |  |  |  |  |  |  |  |  |  |  | 3.86E-17 | 0.0169 | 0.0020 | 70.9269 |  |  |  |  |
| rs3810353 | G | C | 0.1064 | 0.0468 | 0.0228 |  |  |  |  |  |  |  |  |  |  |  |  | 8.24E-17 | 0.0274 | 0.0033 | 69.4563 |  |  |  |  |
| rs3811444 | T | C | 0.0052 | 0.0284 | 0.8538 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.11E-27 | 0.0221 | 0.0020 | 119.0454 |
| rs3812849 | C | A | 0.0096 | 0.0318 | 0.7616 |  |  |  |  |  |  |  |  | 1.32E-91 | 0.0435 | 0.0021 | 412.2303 |  |  |  |  |  |  |  |  |
| rs3820028 | A | G | -0.0209 | 0.0271 | 0.4408 |  |  |  |  | 3.91E-23 | -0.0198 | 0.0020 | 98.2624 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs3823536 | A | G | -0.0183 | 0.0271 | 0.4996 |  |  |  |  | 3.16E-19 | -0.0178 | 0.0020 | 80.4932 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs3829791 | C | T | 0.0332 | 0.0276 | 0.2288 |  |  |  |  |  |  |  |  |  |  |  |  | 2.67E-26 | 0.0204 | 0.0019 | 112.7042 |  |  |  |  |
| rs3843301 | G | T | 0.0550 | 0.0283 | 0.0518 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 8.70E-20 | -0.0189 | 0.0021 | 82.9889 |
| rs3859570 | C | T | -0.0007 | 0.0271 | 0.9783 |  |  |  |  |  |  |  |  |  |  |  |  | 3.97E-44 | -0.0278 | 0.0020 | 194.2801 | 1.45E-34 | 0.0252 | 0.0021 | 150.4950 |
| rs3861100 | G | A | 0.1029 | 0.0301 | 0.0006 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3.43E-19 | 0.0181 | 0.0020 | 80.2965 |
| rs386243 | T | C | -0.0490 | 0.0281 | 0.0818 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.03E-30 | -0.0264 | 0.0023 | 132.9439 |
| rs391023 | T | C | -0.0213 | 0.0281 | 0.4485 |  |  |  |  |  |  |  |  |  |  |  |  | 0.00E+00 | -0.0759 | 0.0019 | 1527.6344 |  |  |  |  |
| rs3950296 | G | C | -0.0358 | 0.0301 | 0.2345 |  |  |  |  | 8.30E-25 | 0.0236 | 0.0023 | 105.9009 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs4060971 | T | C | -0.0249 | 0.0273 | 0.3613 | 1.85E-23 | -0.02066 | 0.002069 | 99.71021508 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs4074882 | C | T | -0.0168 | 0.0378 | 0.6569 |  |  |  |  |  |  |  |  |  |  |  |  | 2.75E-16 | 0.0175 | 0.0021 | 67.0711 | 5.61E-37 | 0.0279 | 0.0022 | 161.5837 |
| rs410876 | A | C | -0.0020 | 0.0275 | 0.9415 |  |  |  |  | 8.78E-20 | -0.0205 | 0.0022 | 83.0169 |  |  |  |  |  |  |  |  | 5.14E-24 | 0.0229 | 0.0023 | 102.3200 |
| rs41268099 | A | G | -0.0209 | 0.0486 | 0.6666 |  |  |  |  |  |  |  |  |  |  |  |  | 2.47E-22 | 0.0290 | 0.0030 | 94.6352 |  |  |  |  |
| rs41284294 | C | T | -0.0597 | 0.1207 | 0.6206 |  |  |  |  |  |  |  |  |  |  |  |  | 1.01E-17 | 0.0799 | 0.0093 | 73.5828 |  |  |  |  |
| rs41287280 | G | C | 0.2080 | 0.0765 | 0.0066 |  |  |  |  |  |  |  |  | 5.17E-47 | 0.0957 | 0.0066 | 207.5941 |  |  |  |  |  |  |  |  |
| rs412884 | C | T | -0.0135 | 0.0291 | 0.6433 |  |  |  |  | 2.22E-164 | 0.0576 | 0.0021 | 746.8001 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs41313381 | A | C | 0.0047 | 0.1008 | 0.9627 |  |  |  |  | 7.05E-19 | 0.0501 | 0.0056 | 78.8651 |  |  |  |  | 8.85E-16 | 0.0430 | 0.0053 | 64.7777 | 1.16E-26 | 0.0587 | 0.0055 | 114.3644 |
| rs41409548 | A | G | -0.0241 | 0.0830 | 0.7717 |  |  |  |  |  |  |  |  |  |  |  |  | 1.49E-64 | -0.0965 | 0.0057 | 288.0917 |  |  |  |  |
| rs42033 | T | A | 0.0489 | 0.0328 | 0.1367 | 9.02E-29 | 0.028123 | 0.002525 | 124.0510741 | 3.45E-30 | 0.0279 | 0.0024 | 130.4827 |  |  |  |  |  |  |  |  | 5.51E-59 | 0.0383 | 0.0024 | 262.4016 |
| rs4280242 | T | C | -0.0254 | 0.0311 | 0.4137 |  |  |  |  | 1.03E-45 | -0.0329 | 0.0023 | 201.6081 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs4385425 | G | A | -0.0158 | 0.0292 | 0.5899 |  |  |  |  |  |  |  |  |  |  |  |  | 1.28E-198 | -0.0601 | 0.0020 | 904.0265 | 9.49E-25 | 0.0211 | 0.0020 | 105.6912 |
| rs4393147 | T | C | -0.0430 | 0.0291 | 0.1396 |  |  |  |  |  |  |  |  |  |  |  |  | 5.85E-21 | 0.0178 | 0.0019 | 88.3302 |  |  |  |  |
| rs4411786 | C | T | -0.0080 | 0.0306 | 0.7948 |  |  |  |  |  |  |  |  | 6.39E-98 | -0.0451 | 0.0021 | 441.3131 | 8.02E-20 | -0.0194 | 0.0021 | 83.1885 |  |  |  |  |
| rs4413892 | A | G | -0.0377 | 0.0310 | 0.2237 |  |  |  |  | 5.40E-22 | 0.0216 | 0.0022 | 93.0480 |  |  |  |  |  |  |  |  | 1.65E-51 | 0.0337 | 0.0022 | 228.1618 |
| rs45524632 | A | C | -0.0021 | 0.1098 | 0.9846 |  |  |  |  |  |  |  |  | 1.80E-16 | 0.0518 | 0.0063 | 67.9089 |  |  |  |  |  |  |  |  |
| rs45577137 | G | A | 0.0249 | 0.0528 | 0.6372 | 2.08E-17 | -0.045322 | 0.005335 | 72.16876699 | 5.10E-31 | -0.0598 | 0.0052 | 134.2758 |  |  |  |  | 9.05E-39 | -0.0646 | 0.0050 | 169.7716 |  |  |  |  |
| rs45600936 | T | C | -0.1849 | 0.3615 | 0.6090 |  |  |  |  |  |  |  |  | 1.82E-42 | 0.1400 | 0.0102 | 186.7138 | 3.65E-28 | 0.1116 | 0.0101 | 121.2519 |  |  |  |  |
| rs4566648 | G | T | 0.0006 | 0.0307 | 0.9847 |  |  |  |  |  |  |  |  |  |  |  |  | 8.14E-38 | -0.0254 | 0.0020 | 165.3470 |  |  |  |  |
| rs4614573 | A | G | -0.0031 | 0.0269 | 0.9085 |  |  |  |  |  |  |  |  |  |  |  |  | 1.09E-21 | 0.0180 | 0.0019 | 91.6778 |  |  |  |  |
| rs4619033 | G | A | -0.0034 | 0.0300 | 0.9095 |  |  |  |  |  |  |  |  | 5.73E-19 | -0.0190 | 0.0021 | 79.2591 |  |  |  |  |  |  |  |  |
| rs4626924 | T | C | -0.0060 | 0.0281 | 0.8323 |  |  |  |  |  |  |  |  |  |  |  |  | 8.20E-22 | -0.0183 | 0.0019 | 92.2706 | 4.99E-23 | 0.0194 | 0.0020 | 97.7509 |
| rs4632248 | T | G | 0.0853 | 0.0337 | 0.0114 |  |  |  |  |  |  |  |  |  |  |  |  | 1.34E-173 | -0.0652 | 0.0023 | 789.2709 |  |  |  |  |
| rs4645881 | T | C | 0.0072 | 0.0371 | 0.8460 |  |  |  |  | 7.35E-19 | 0.0250 | 0.0028 | 78.7940 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs4653102 | C | T | -0.0267 | 0.0268 | 0.3199 |  |  |  |  | 1.99E-16 | -0.0163 | 0.0020 | 67.6952 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs4657179 | G | T | 0.0184 | 0.0372 | 0.6218 |  |  |  |  |  |  |  |  |  |  |  |  | 2.93E-25 | 0.0263 | 0.0025 | 107.9924 |  |  |  |  |
| rs4669869 | C | T | 0.0010 | 0.0269 | 0.9691 |  |  |  |  |  |  |  |  |  |  |  |  | 3.76E-27 | 0.0204 | 0.0019 | 116.6377 |  |  |  |  |
| rs4714599 | C | T | 0.0314 | 0.0302 | 0.2980 |  |  |  |  | 7.88E-22 | 0.0209 | 0.0022 | 92.2711 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs4718976 | C | T | 0.0110 | 0.0277 | 0.6910 |  |  |  |  |  |  |  |  | 1.10E-17 | -0.0179 | 0.0021 | 73.4494 |  |  |  |  |  |  |  |  |
| rs4722171 | G | A | 0.0243 | 0.0270 | 0.3682 |  |  |  |  | 1.83E-41 | -0.0273 | 0.0020 | 182.2032 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs47341 | T | C | -0.0012 | 0.0280 | 0.9655 |  |  |  |  |  |  |  |  |  |  |  |  | 1.46E-54 | 0.0311 | 0.0020 | 242.2333 |  |  |  |  |
| rs4734879 | G | A | -0.0243 | 0.0325 | 0.4534 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2.63E-23 | -0.0213 | 0.0021 | 99.0693 |
| rs4737010 | A | G | -0.0015 | 0.0312 | 0.9615 |  |  |  |  |  |  |  |  | 2.47E-32 | 0.0268 | 0.0023 | 140.3241 |  |  |  |  |  |  |  |  |
| rs474247 | T | C | 0.0272 | 0.0356 | 0.4449 |  |  |  |  | 2.71E-20 | 0.0230 | 0.0025 | 85.2789 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs4760 | G | A | 0.0498 | 0.0366 | 0.1733 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.42E-171 | -0.0752 | 0.0027 | 780.0333 |
| rs478839 | G | A | -0.0144 | 0.0270 | 0.5929 |  |  |  |  | 5.27E-45 | 0.0287 | 0.0020 | 198.3840 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs4789294 | G | A | -0.0844 | 0.0380 | 0.0264 |  |  |  |  |  |  |  |  | 1.05E-30 | 0.0265 | 0.0023 | 132.8354 |  |  |  |  |  |  |  |  |
| rs4794820 | G | A | 0.0635 | 0.0270 | 0.0187 | 1.38E-46 | 0.029704 | 0.002072 | 205.5182391 |  |  |  |  | 3.56E-45 | 0.0270 | 0.0019 | 199.0399 |  |  |  |  | 0.00E+00 | 0.0761 | 0.0019 | 1535.0902 |
| rs4802399 | A | G | 0.0263 | 0.0547 | 0.6311 |  |  |  |  | 1.13E-18 | 0.0433 | 0.0049 | 77.9234 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs4804181 | A | C | 0.0385 | 0.0330 | 0.2437 |  |  |  |  |  |  |  |  |  |  |  |  | 4.38E-17 | -0.0193 | 0.0023 | 70.6772 |  |  |  |  |
| rs4807542 | A | G | 0.0109 | 0.0321 | 0.7349 |  |  |  |  | 2.08E-24 | -0.0274 | 0.0027 | 104.0977 | 6.32E-19 | 0.0236 | 0.0027 | 79.1015 |  |  |  |  |  |  |  |  |
| rs4812447 | G | A | 0.0388 | 0.0272 | 0.1541 |  |  |  |  |  |  |  |  | 8.02E-20 | 0.0175 | 0.0019 | 83.1561 | 2.29E-31 | 0.0221 | 0.0019 | 135.8405 | 1.49E-18 | 0.0171 | 0.0019 | 77.3569 |
| rs4815549 | G | A | -0.0239 | 0.0271 | 0.3776 |  |  |  |  |  |  |  |  |  |  |  |  | 8.55E-18 | 0.0162 | 0.0019 | 73.9618 |  |  |  |  |
| rs4821544 | C | T | 0.0186 | 0.0330 | 0.5728 |  |  |  |  | 5.97E-28 | 0.0237 | 0.0022 | 120.2471 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs4834240 | T | C | -0.0283 | 0.0291 | 0.3315 |  |  |  |  |  |  |  |  | 7.29E-27 | -0.0221 | 0.0021 | 115.3194 |  |  |  |  |  |  |  |  |
| rs4838147 | G | A | 0.0042 | 0.0356 | 0.9062 |  |  |  |  |  |  |  |  |  |  |  |  | 3.57E-34 | 0.0318 | 0.0026 | 148.6826 |  |  |  |  |
| rs4843326 | C | T | -0.0107 | 0.0344 | 0.7565 |  |  |  |  |  |  |  |  |  |  |  |  | 8.20E-114 | 0.0533 | 0.0024 | 514.3562 |  |  |  |  |
| rs4844622 | T | C | -0.0179 | 0.0323 | 0.5798 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.44E-25 | -0.0234 | 0.0022 | 109.3222 |
| rs4849056 | A | G | 0.0044 | 0.0286 | 0.8765 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.20E-19 | 0.0182 | 0.0020 | 82.3592 |
| rs4857909 | G | A | 0.0051 | 0.0395 | 0.8978 | 3.88E-141 | 0.079937 | 0.00316 | 639.9138729 | 0.00E+00 | 0.1207 | 0.0031 | 1563.4992 |  |  |  |  |  |  |  |  | 1.46E-79 | -0.0560 | 0.0030 | 357.0581 |
| rs486955 | T | C | -0.0728 | 0.0424 | 0.0860 |  |  |  |  |  |  |  |  |  |  |  |  | 6.72E-20 | 0.0284 | 0.0031 | 83.4892 |  |  |  |  |
| rs4880192 | G | A | 0.0433 | 0.0297 | 0.1446 |  |  |  |  |  |  |  |  | 1.16E-40 | 0.0294 | 0.0022 | 178.3768 |  |  |  |  |  |  |  |  |
| rs4903580 | T | C | 0.0058 | 0.0269 | 0.8280 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.16E-17 | 0.0165 | 0.0019 | 73.3336 |
| rs4905043 | A | G | 0.0191 | 0.0279 | 0.4951 |  |  |  |  |  |  |  |  |  |  |  |  | 1.31E-20 | 0.0187 | 0.0020 | 86.7551 |  |  |  |  |
| rs4931002 | A | C | 0.0101 | 0.0337 | 0.7656 |  |  |  |  | 1.73E-19 | -0.0216 | 0.0024 | 81.6647 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs4936066 | C | A | 0.0114 | 0.0373 | 0.7608 |  |  |  |  | 2.93E-24 | 0.0258 | 0.0025 | 103.4240 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs494091 | C | T | 0.0489 | 0.0269 | 0.0693 |  |  |  |  |  |  |  |  | 6.35E-46 | 0.0271 | 0.0019 | 202.6242 |  |  |  |  |  |  |  |  |
| rs4948492 | T | C | 0.0208 | 0.0313 | 0.5061 |  |  |  |  |  |  |  |  | 5.69E-28 | -0.0219 | 0.0020 | 120.3402 |  |  |  |  |  |  |  |  |
| rs4954585 | T | C | -0.0582 | 0.0287 | 0.0426 |  |  |  |  |  |  |  |  |  |  |  |  | 4.94E-19 | 0.0189 | 0.0021 | 79.5681 |  |  |  |  |
| rs4958268 | T | G | 0.0870 | 0.0438 | 0.0471 |  |  |  |  |  |  |  |  |  |  |  |  | 1.67E-16 | -0.0217 | 0.0026 | 68.0453 |  |  |  |  |
| rs4964677 | C | T | -0.0157 | 0.0286 | 0.5836 |  |  |  |  |  |  |  |  |  |  |  |  | 2.43E-48 | 0.0283 | 0.0019 | 213.6907 |  |  |  |  |
| rs4970966 | T | G | -0.0148 | 0.0332 | 0.6558 | 6.47E-22 | -0.023785 | 0.00247 | 92.72832287 | 1.71E-66 | -0.0412 | 0.0024 | 296.9849 | 3.36E-35 | -0.0282 | 0.0023 | 153.4331 | 3.29E-228 | -0.0726 | 0.0023 | 1040.3776 |  |  |  |  |
| rs4976642 | A | T | -0.0494 | 0.0318 | 0.1200 |  |  |  |  |  |  |  |  | 3.44E-22 | 0.0244 | 0.0025 | 93.9722 |  |  |  |  |  |  |  |  |
| rs4978866 | C | T | -0.0142 | 0.0347 | 0.6831 |  |  |  |  |  |  |  |  |  |  |  |  | 1.08E-16 | 0.0211 | 0.0025 | 68.9318 |  |  |  |  |
| rs4987353 | A | G | 0.0148 | 0.0308 | 0.6304 |  |  |  |  |  |  |  |  |  |  |  |  | 1.93E-27 | -0.0219 | 0.0020 | 117.9730 |  |  |  |  |
| rs501461 | T | G | 0.0240 | 0.0273 | 0.3810 |  |  |  |  |  |  |  |  | 6.76E-20 | -0.0177 | 0.0019 | 83.5232 |  |  |  |  |  |  |  |  |
| rs5026470 | G | A | -0.0417 | 0.0270 | 0.1228 |  |  |  |  |  |  |  |  | 1.45E-84 | 0.0369 | 0.0019 | 380.0439 |  |  |  |  |  |  |  |  |
| rs506166 | C | T | -0.0109 | 0.0277 | 0.6944 |  |  |  |  |  |  |  |  |  |  |  |  | 1.64E-18 | 0.0174 | 0.0020 | 77.1850 |  |  |  |  |
| rs519565 | A | G | -0.0395 | 0.0303 | 0.1924 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 7.81E-29 | 0.0244 | 0.0022 | 124.3378 |
| rs5498 | G | A | -0.0451 | 0.0271 | 0.0957 |  |  |  |  |  |  |  |  | 6.05E-107 | -0.0436 | 0.0020 | 482.9134 |  |  |  |  |  |  |  |  |
| rs55685723 | C | T | 0.1292 | 0.0884 | 0.1441 |  |  |  |  |  |  |  |  |  |  |  |  | 3.62E-20 | 0.0462 | 0.0050 | 84.7207 |  |  |  |  |
| rs55690609 | A | G | -0.0074 | 0.0290 | 0.7990 | 8.93E-57 | -0.03494 | 0.0022 | 252.2321488 |  |  |  |  |  |  |  |  | 4.61E-28 | 0.0221 | 0.0020 | 120.8028 |  |  |  |  |
| rs55734382 | T | C | -0.0135 | 0.0312 | 0.6640 |  |  |  |  |  |  |  |  | 1.20E-18 | 0.0178 | 0.0020 | 77.7723 |  |  |  |  |  |  |  |  |
| rs557418 | A | G | -0.0826 | 0.0358 | 0.0211 |  |  |  |  |  |  |  |  |  |  |  |  | 8.08E-49 | -0.0359 | 0.0024 | 215.8287 |  |  |  |  |
| rs55757919 | T | C | 0.0447 | 0.0320 | 0.1618 |  |  |  |  |  |  |  |  |  |  |  |  | 2.29E-29 | 0.0256 | 0.0023 | 126.7108 |  |  |  |  |
| rs55909515 | T | G | -0.0859 | 0.0689 | 0.2129 |  |  |  |  | 2.37E-18 | -0.0494 | 0.0057 | 76.4550 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs55982282 | A | G | 0.0078 | 0.0451 | 0.8624 |  |  |  |  |  |  |  |  | 8.71E-110 | 0.0616 | 0.0028 | 495.9967 |  |  |  |  |  |  |  |  |
| rs55986493 | T | C | 0.0731 | 0.0683 | 0.2848 |  |  |  |  |  |  |  |  |  |  |  |  | 2.24E-23 | 0.0376 | 0.0038 | 99.3649 | 1.65E-16 | 0.0320 | 0.0039 | 68.0785 |
| rs56007794 | T | A | 0.0412 | 0.0308 | 0.1806 |  |  |  |  |  |  |  |  |  |  |  |  | 4.77E-72 | 0.0391 | 0.0022 | 322.3320 |  |  |  |  |
| rs56117721 | A | T | 0.1221 | 0.0445 | 0.0061 |  |  |  |  | 6.64E-160 | -0.1044 | 0.0039 | 726.3262 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs56179563 | A | G | 0.0512 | 0.0282 | 0.0697 |  |  |  |  | 3.87E-18 | 0.0179 | 0.0021 | 75.5165 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs56188865 | C | T | 0.0021 | 0.0283 | 0.9407 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.93E-43 | -0.0274 | 0.0020 | 191.1055 |
| rs562028 | C | A | -0.0052 | 0.0272 | 0.8473 |  |  |  |  |  |  |  |  |  |  |  |  | 1.46E-17 | -0.0167 | 0.0020 | 72.8825 |  |  |  |  |
| rs56206032 | T | C | 0.0349 | 0.1424 | 0.8066 |  |  |  |  |  |  |  |  |  |  |  |  | 6.53E-23 | 0.0542 | 0.0055 | 97.2442 |  |  |  |  |
| rs56252104 | T | C | 0.0034 | 0.0322 | 0.9168 |  |  |  |  |  |  |  |  | 3.12E-18 | 0.0189 | 0.0022 | 75.8872 |  |  |  |  |  |  |  |  |
| rs56330463 | C | T | 0.0197 | 0.0279 | 0.4795 |  |  |  |  | 5.38E-86 | 0.0395 | 0.0020 | 386.6472 |  |  |  |  |  |  |  |  | 2.48E-51 | -0.0293 | 0.0019 | 227.4436 |
| rs56344893 | A | C | -0.0119 | 0.0285 | 0.6768 |  |  |  |  |  |  |  |  |  |  |  |  | 2.12E-114 | -0.0443 | 0.0020 | 516.9677 |  |  |  |  |
| rs56378716 | G | A | -0.0130 | 0.0779 | 0.8678 | 6.40E-19 | 0.081463 | 0.009162 | 79.05698076 |  |  |  |  |  |  |  |  |  |  |  |  | 3.72E-50 | 0.1292 | 0.0087 | 221.9908 |
| rs56388170 | T | G | -0.0346 | 0.0300 | 0.2483 | 3.34E-43 | 0.031399 | 0.002277 | 190.1540468 |  |  |  |  |  |  |  |  |  |  |  |  | 1.29E-236 | 0.0700 | 0.0021 | 1079.2088 |
| rs56406125 | T | G | 0.0448 | 0.0314 | 0.1539 | 6.04E-41 | -0.034946 | 0.002607 | 179.6854381 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs5747308 | C | A | -0.0402 | 0.0269 | 0.1353 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2.30E-30 | 0.0221 | 0.0019 | 131.3018 |
| rs5748937 | T | C | 0.0446 | 0.0627 | 0.4763 |  |  |  |  |  |  |  |  |  |  |  |  | 1.17E-50 | -0.0693 | 0.0046 | 224.3327 |  |  |  |  |
| rs5766582 | T | C | -0.0145 | 0.0271 | 0.5917 | 1.77E-16 | -0.016936 | 0.002055 | 67.92005636 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs58235552 | G | C | -0.1102 | 0.0826 | 0.1825 |  |  |  |  |  |  |  |  |  |  |  |  | 4.10E-27 | -0.0503 | 0.0047 | 116.4556 |  |  |  |  |
| rs58408429 | C | T | 0.0060 | 0.0318 | 0.8500 |  |  |  |  |  |  |  |  | 2.42E-22 | -0.0236 | 0.0024 | 94.6213 |  |  |  |  |  |  |  |  |
| rs58509476 | T | C | 0.0001 | 0.0281 | 0.9964 |  |  |  |  | 4.92E-17 | 0.0183 | 0.0022 | 70.4952 | 2.65E-37 | 0.0267 | 0.0021 | 163.0626 |  |  |  |  |  |  |  |  |
| rs58814158 | G | T | 0.0528 | 0.0415 | 0.2034 |  |  |  |  |  |  |  |  |  |  |  |  | 3.24E-19 | -0.0235 | 0.0026 | 80.4107 |  |  |  |  |
| rs58826315 | C | T | -0.0077 | 0.0816 | 0.9246 |  |  |  |  |  |  |  |  | 6.94E-44 | -0.0644 | 0.0046 | 193.1932 |  |  |  |  |  |  |  |  |
| rs590041 | C | T | -0.0211 | 0.0270 | 0.4338 |  |  |  |  |  |  |  |  |  |  |  |  | 4.86E-17 | -0.0161 | 0.0019 | 70.4739 |  |  |  |  |
| rs597136 | T | C | 0.0432 | 0.0301 | 0.1504 |  |  |  |  |  |  |  |  |  |  |  |  | 1.95E-27 | 0.0260 | 0.0024 | 117.9099 |  |  |  |  |
| rs59810826 | C | T | -0.0301 | 0.0577 | 0.6019 |  |  |  |  |  |  |  |  |  |  |  |  | 4.76E-27 | 0.0397 | 0.0037 | 116.1131 |  |  |  |  |
| rs5998509 | T | C | -0.0282 | 0.0298 | 0.3440 |  |  |  |  |  |  |  |  | 2.19E-61 | -0.0409 | 0.0025 | 273.5001 |  |  |  |  |  |  |  |  |
| rs60123882 | G | A | 0.0425 | 0.0347 | 0.2201 |  |  |  |  | 6.70E-27 | -0.0273 | 0.0025 | 115.4399 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs60153262 | T | C | -0.0357 | 0.0711 | 0.6157 |  |  |  |  | 1.14E-109 | 0.1149 | 0.0052 | 495.3491 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs60175411 | A | G | 0.0038 | 0.0376 | 0.9204 |  |  |  |  | 1.25E-28 | -0.0298 | 0.0027 | 123.3914 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs604255 | T | G | -0.0082 | 0.0342 | 0.8096 |  |  |  |  | 3.26E-20 | 0.0216 | 0.0023 | 84.9238 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs6055955 | T | C | 0.0015 | 0.0269 | 0.9541 |  |  |  |  |  |  |  |  | 2.35E-46 | -0.0271 | 0.0019 | 204.5232 | 8.72E-54 | -0.0290 | 0.0019 | 238.7321 |  |  |  |  |
| rs60600003 | G | T | 0.0289 | 0.0450 | 0.5211 |  |  |  |  | 3.05E-38 | 0.0429 | 0.0033 | 167.3189 | 1.18E-20 | 0.0295 | 0.0032 | 86.9598 |  |  |  |  |  |  |  |  |
| rs6060812 | T | C | -0.0089 | 0.0292 | 0.7614 |  |  |  |  |  |  |  |  |  |  |  |  | 4.45E-23 | -0.0226 | 0.0023 | 98.0352 |  |  |  |  |
| rs60752752 | G | A | 0.0383 | 0.0463 | 0.4087 |  |  |  |  |  |  |  |  |  |  |  |  | 2.95E-17 | 0.0250 | 0.0030 | 71.5017 |  |  |  |  |
| rs6080761 | A | G | -0.0194 | 0.0272 | 0.4760 |  |  |  |  | 4.75E-20 | 0.0185 | 0.0020 | 84.1947 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs61165644 | G | A | -0.0115 | 0.0333 | 0.7291 |  |  |  |  |  |  |  |  |  |  |  |  | 2.59E-22 | -0.0264 | 0.0027 | 94.4962 |  |  |  |  |
| rs6126017 | C | T | -0.0830 | 0.0270 | 0.0021 |  |  |  |  |  |  |  |  |  |  |  |  | 1.54E-31 | 0.0220 | 0.0019 | 136.6737 |  |  |  |  |
| rs61318787 | A | G | 0.0102 | 0.0309 | 0.7406 |  |  |  |  |  |  |  |  | 2.06E-23 | -0.0224 | 0.0022 | 99.5022 |  |  |  |  |  |  |  |  |
| rs61352607 | T | G | 0.0115 | 0.0316 | 0.7156 |  |  |  |  |  |  |  |  |  |  |  |  | 1.11E-22 | -0.0215 | 0.0022 | 96.2331 |  |  |  |  |
| rs61751862 | C | G | 0.0048 | 0.0758 | 0.9491 |  |  |  |  |  |  |  |  | 1.96E-24 | -0.1015 | 0.0099 | 104.2001 |  |  |  |  |  |  |  |  |
| rs61850655 | T | C | -0.0016 | 0.0365 | 0.9642 |  |  |  |  |  |  |  |  | 5.03E-16 | -0.0238 | 0.0029 | 65.8669 | 9.30E-22 | -0.0279 | 0.0029 | 91.9921 |  |  |  |  |
| rs61850684 | A | G | 0.0470 | 0.0375 | 0.2096 |  |  |  |  |  |  |  |  | 2.59E-47 | -0.0325 | 0.0022 | 209.0311 | 3.04E-24 | -0.0226 | 0.0022 | 103.3184 |  |  |  |  |
| rs61944378 | T | C | -0.0314 | 0.0500 | 0.5298 |  |  |  |  | 9.69E-24 | -0.0535 | 0.0053 | 101.0208 | 5.88E-34 | -0.0625 | 0.0051 | 147.7229 |  |  |  |  |  |  |  |  |
| rs61944745 | T | C | 0.0406 | 0.0324 | 0.2107 |  |  |  |  |  |  |  |  |  |  |  |  | 1.08E-90 | -0.0482 | 0.0024 | 408.2160 | 9.08E-19 | -0.0218 | 0.0025 | 78.3731 |
| rs61953165 | T | G | -0.0534 | 0.1016 | 0.5991 |  |  |  |  |  |  |  |  |  |  |  |  | 4.92E-41 | -0.0775 | 0.0058 | 180.1736 |  |  |  |  |
| rs61975764 | A | G | -0.0114 | 0.0269 | 0.6722 |  |  |  |  | 3.41E-31 | 0.0232 | 0.0020 | 135.1014 |  |  |  |  | 8.17E-17 | 0.0160 | 0.0019 | 69.4821 |  |  |  |  |
| rs62061733 | G | A | -0.0655 | 0.0474 | 0.1669 |  |  |  |  | 1.92E-42 | -0.0323 | 0.0024 | 186.6391 |  |  |  |  | 1.63E-19 | 0.0202 | 0.0022 | 81.7764 | 1.91E-23 | 0.0228 | 0.0023 | 99.7287 |
| rs62108948 | C | A | 0.0659 | 0.0365 | 0.0707 |  |  |  |  | 7.62E-19 | 0.0263 | 0.0030 | 78.7004 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs62117160 | A | G | -0.0372 | 0.0807 | 0.6452 |  |  |  |  | 2.15E-23 | -0.0476 | 0.0048 | 99.4682 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs62118061 | A | G | 0.0050 | 0.0275 | 0.8566 |  |  |  |  |  |  |  |  | 1.33E-31 | 0.0233 | 0.0020 | 136.9123 |  |  |  |  |  |  |  |  |
| rs62131102 | A | G | -0.0169 | 0.0516 | 0.7437 |  |  |  |  |  |  |  |  | 5.94E-18 | -0.0322 | 0.0037 | 74.6416 |  |  |  |  |  |  |  |  |
| rs62191450 | C | T | 0.0318 | 0.1549 | 0.8372 |  |  |  |  |  |  |  |  |  |  |  |  | 1.50E-42 | -0.0889 | 0.0065 | 187.1298 |  |  |  |  |
| rs62210146 | G | C | 0.0036 | 0.0295 | 0.9035 |  |  |  |  |  |  |  |  |  |  |  |  | 4.49E-21 | -0.0184 | 0.0020 | 88.8525 |  |  |  |  |
| rs62270822 | C | A | 0.0133 | 0.0340 | 0.6957 |  |  |  |  | 2.29E-61 | 0.0374 | 0.0023 | 273.3833 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs62389423 | A | G | 0.0743 | 0.0813 | 0.3610 |  |  |  |  | 1.17E-25 | 0.0280 | 0.0027 | 109.7745 | 3.27E-22 | 0.0249 | 0.0026 | 94.0250 |  |  |  |  |  |  |  |  |
| rs62395271 | C | T | 0.2462 | 0.5190 | 0.6352 |  |  |  |  |  |  |  |  | 8.96E-55 | 0.1336 | 0.0086 | 243.1809 | 3.46E-22 | 0.0822 | 0.0085 | 93.9468 | 4.87E-21 | 0.0817 | 0.0087 | 88.7130 |
| rs62395789 | A | G | -0.0204 | 0.0627 | 0.7445 |  |  |  |  | 5.35E-16 | 0.0395 | 0.0049 | 65.7475 | 2.39E-28 | 0.0515 | 0.0047 | 122.0966 | 2.44E-24 | 0.0470 | 0.0046 | 103.7697 |  |  |  |  |
| rs62408224 | G | A | -0.0429 | 0.0310 | 0.1672 |  |  |  |  | 5.69E-92 | -0.0422 | 0.0021 | 413.9939 | 2.44E-24 | -0.0201 | 0.0020 | 103.7407 |  |  |  |  |  |  |  |  |
| rs62447199 | C | G | -0.0274 | 0.0396 | 0.4890 |  |  |  |  |  |  |  |  |  |  |  |  | 1.15E-24 | 0.0349 | 0.0034 | 105.2511 |  |  |  |  |
| rs62454420 | G | A | 0.0225 | 0.0453 | 0.6191 |  |  |  |  |  |  |  |  |  |  |  |  | 2.39E-21 | -0.0349 | 0.0037 | 90.1079 |  |  |  |  |
| rs62485905 | T | C | 0.0210 | 0.0275 | 0.4448 |  |  |  |  |  |  |  |  | 1.97E-20 | -0.0177 | 0.0019 | 85.9676 |  |  |  |  |  |  |  |  |
| rs62492368 | A | G | 0.0191 | 0.0285 | 0.5040 |  |  |  |  |  |  |  |  | 5.15E-20 | 0.0189 | 0.0021 | 84.0352 |  |  |  |  |  |  |  |  |
| rs62501136 | A | G | 0.0338 | 0.0323 | 0.2953 |  |  |  |  |  |  |  |  |  |  |  |  | 1.72E-19 | 0.0205 | 0.0023 | 81.6680 |  |  |  |  |
| rs62569867 | A | T | 0.0570 | 0.0425 | 0.1800 |  |  |  |  |  |  |  |  |  |  |  |  | 0.00E+00 | 0.1052 | 0.0027 | 1536.4179 |  |  |  |  |
| rs62621812 | A | G | 0.0215 | 0.0688 | 0.7544 |  |  |  |  |  |  |  |  | 2.73E-16 | 0.0560 | 0.0068 | 67.0909 |  |  |  |  |  |  |  |  |
| rs626416 | C | G | -0.0168 | 0.0342 | 0.6234 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 5.77E-18 | -0.0197 | 0.0023 | 74.6730 |
| rs634534 | G | A | -0.0344 | 0.0275 | 0.2102 |  |  |  |  | 5.83E-61 | 0.0329 | 0.0020 | 271.4248 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs637064 | T | C | 0.0194 | 0.0277 | 0.4851 |  |  |  |  | 5.43E-34 | 0.0243 | 0.0020 | 147.9139 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs6429432 | C | A | -0.0011 | 0.0478 | 0.9820 | 2.11E-125 | 0.078286 | 0.003286 | 567.5878481 |  |  |  |  |  |  |  |  | 6.30E-156 | -0.0797 | 0.0030 | 708.2392 | 3.60E-79 | -0.0579 | 0.0031 | 355.1624 |
| rs643177 | C | T | 0.0246 | 0.0285 | 0.3886 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4.35E-16 | -0.0175 | 0.0022 | 66.1753 |
| rs644492 | G | A | -0.0125 | 0.0387 | 0.7463 |  |  |  |  |  |  |  |  |  |  |  |  | 1.84E-17 | -0.0201 | 0.0024 | 72.4376 |  |  |  |  |
| rs6465661 | T | C | -0.0071 | 0.0272 | 0.7953 |  |  |  |  |  |  |  |  |  |  |  |  | 5.49E-18 | -0.0163 | 0.0019 | 74.8271 |  |  |  |  |
| rs6467885 | C | T | -0.0145 | 0.0529 | 0.7839 |  |  |  |  | 1.06E-82 | -0.0627 | 0.0033 | 371.2818 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs6468341 | C | T | -0.0036 | 0.0297 | 0.9031 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 7.10E-18 | 0.0190 | 0.0022 | 74.3074 |
| rs647137 | A | G | -0.0219 | 0.0304 | 0.4707 |  |  |  |  |  |  |  |  |  |  |  |  | 6.26E-24 | 0.0205 | 0.0020 | 101.9195 |  |  |  |  |
| rs6474359 | C | T | 0.0688 | 0.1029 | 0.5036 |  |  |  |  |  |  |  |  | 1.13E-24 | -0.0514 | 0.0050 | 105.3063 |  |  |  |  |  |  |  |  |
| rs6479336 | A | T | 0.0207 | 0.0317 | 0.5122 |  |  |  |  | 3.44E-30 | -0.0292 | 0.0026 | 130.4654 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs6487543 | A | G | 0.0110 | 0.0332 | 0.7412 |  |  |  |  |  |  |  |  | 6.20E-18 | 0.0197 | 0.0023 | 74.5682 |  |  |  |  |  |  |  |  |
| rs6490291 | A | T | 0.1077 | 0.0657 | 0.1012 |  |  |  |  | 1.11E-29 | -0.0661 | 0.0058 | 128.1779 | 1.08E-21 | -0.0556 | 0.0058 | 91.6782 |  |  |  |  |  |  |  |  |
| rs6496717 | T | C | -0.0103 | 0.0303 | 0.7353 |  |  |  |  | 4.42E-16 | 0.0189 | 0.0023 | 66.1348 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs6500550 | T | C | 0.0189 | 0.0297 | 0.5252 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 5.53E-26 | -0.0224 | 0.0021 | 111.2726 |
| rs6502555 | C | T | -0.0452 | 0.0308 | 0.1418 |  |  |  |  |  |  |  |  | 9.26E-38 | 0.0289 | 0.0023 | 165.1316 |  |  |  |  |  |  |  |  |
| rs6511703 | C | T | 0.0428 | 0.0330 | 0.1948 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.66E-24 | -0.0233 | 0.0023 | 104.4918 |
| rs6556313 | G | A | -0.0347 | 0.0281 | 0.2165 |  |  |  |  | 2.16E-20 | 0.0195 | 0.0021 | 85.7695 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs6559354 | C | T | 0.0110 | 0.0275 | 0.6884 |  |  |  |  |  |  |  |  |  |  |  |  | 2.91E-17 | 0.0160 | 0.0019 | 71.4980 |  |  |  |  |
| rs6573020 | T | C | -0.0153 | 0.0271 | 0.5722 |  |  |  |  | 2.31E-24 | 0.0206 | 0.0020 | 103.8400 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs6591578 | A | G | -0.0296 | 0.0280 | 0.2901 |  |  |  |  |  |  |  |  |  |  |  |  | 2.03E-29 | 0.0219 | 0.0019 | 126.9424 |  |  |  |  |
| rs6678033 | A | G | -0.0056 | 0.0270 | 0.8360 |  |  |  |  |  |  |  |  | 2.04E-20 | -0.0181 | 0.0020 | 85.8989 |  |  |  |  | 1.46E-102 | -0.0427 | 0.0020 | 462.4449 |
| rs6682237 | C | A | 0.0033 | 0.0495 | 0.9466 |  |  |  |  | 1.49E-31 | 0.0351 | 0.0030 | 136.7412 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs6684992 | T | A | 0.0054 | 0.0402 | 0.8942 |  |  |  |  | 6.06E-35 | 0.0377 | 0.0031 | 152.2539 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs6704011 | C | G | -0.1108 | 0.0377 | 0.0033 |  |  |  |  |  |  |  |  |  |  |  |  | 2.12E-18 | -0.0248 | 0.0028 | 76.6936 |  |  |  |  |
| rs67128646 | C | A | 0.0097 | 0.0307 | 0.7520 |  |  |  |  |  |  |  |  | 4.80E-34 | -0.0266 | 0.0022 | 148.1896 |  |  |  |  |  |  |  |  |
| rs67175901 | T | C | 0.0465 | 0.0389 | 0.2317 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.99E-43 | 0.0436 | 0.0032 | 191.1344 |
| rs6721663 | A | G | 0.0144 | 0.0347 | 0.6780 |  |  |  |  |  |  |  |  | 9.83E-24 | -0.0261 | 0.0026 | 101.0257 |  |  |  |  |  |  |  |  |
| rs67224956 | C | T | 0.0188 | 0.0370 | 0.6116 |  |  |  |  |  |  |  |  |  |  |  |  | 2.01E-27 | 0.0269 | 0.0025 | 117.8263 |  |  |  |  |
| rs67241230 | G | T | -0.0602 | 0.0285 | 0.0349 |  |  |  |  |  |  |  |  |  |  |  |  | 2.32E-36 | -0.0241 | 0.0019 | 158.6968 | 1.62E-42 | -0.0268 | 0.0020 | 186.9729 |
| rs6734238 | G | A | 0.0347 | 0.0293 | 0.2373 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.58E-90 | 0.0394 | 0.0020 | 407.4187 |
| rs6740847 | G | A | -0.0319 | 0.0274 | 0.2450 |  |  |  |  | 6.73E-17 | 0.0167 | 0.0020 | 69.8699 |  |  |  |  | 0.00E+00 | 0.1273 | 0.0019 | 4558.5062 | 3.95E-29 | 0.0217 | 0.0019 | 125.6710 |
| rs6742799 | C | A | -0.0178 | 0.0336 | 0.5972 |  |  |  |  |  |  |  |  | 3.54E-62 | -0.0392 | 0.0024 | 277.1512 |  |  |  |  |  |  |  |  |
| rs6743068 | G | A | -0.0115 | 0.0289 | 0.6893 |  |  |  |  |  |  |  |  | 1.69E-49 | 0.0314 | 0.0021 | 218.8729 |  |  |  |  |  |  |  |  |
| rs6750754 | G | T | -0.0202 | 0.0303 | 0.5046 |  |  |  |  | 8.36E-179 | -0.0640 | 0.0022 | 813.5593 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs6787336 | A | G | -0.0218 | 0.0310 | 0.4814 |  |  |  |  | 3.29E-59 | 0.0363 | 0.0022 | 263.5907 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs6796 | C | T | 0.0345 | 0.0292 | 0.2375 |  |  |  |  |  |  |  |  | 6.05E-38 | 0.0276 | 0.0021 | 165.9295 | 1.66E-102 | 0.0455 | 0.0021 | 462.4532 |  |  |  |  |
| rs6859727 | C | T | -0.0080 | 0.0409 | 0.8445 |  |  |  |  |  |  |  |  |  |  |  |  | 3.02E-27 | -0.0309 | 0.0029 | 117.0200 | 4.29E-43 | -0.0404 | 0.0029 | 189.6141 |
| rs686024 | T | C | 0.0831 | 0.0697 | 0.2330 |  |  |  |  | 3.83E-19 | 0.0382 | 0.0043 | 80.0713 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs6869021 | T | C | 0.0033 | 0.0296 | 0.9119 |  |  |  |  |  |  |  |  |  |  |  |  | 5.47E-17 | -0.0169 | 0.0020 | 70.2455 |  |  |  |  |
| rs6874087 | A | G | 0.0019 | 0.0305 | 0.9508 |  |  |  |  |  |  |  |  |  |  |  |  | 3.16E-80 | 0.0389 | 0.0020 | 359.9252 |  |  |  |  |
| rs6882861 | A | G | 0.0110 | 0.0321 | 0.7306 |  |  |  |  |  |  |  |  | 5.13E-17 | 0.0185 | 0.0022 | 70.3561 |  |  |  |  |  |  |  |  |
| rs6883116 | C | T | -0.0098 | 0.0272 | 0.7192 |  |  |  |  |  |  |  |  |  |  |  |  | 8.21E-21 | -0.0180 | 0.0019 | 87.6529 |  |  |  |  |
| rs6884762 | T | C | 0.0929 | 0.0806 | 0.2488 |  |  |  |  | 5.01E-45 | 0.0911 | 0.0065 | 198.4531 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs6892420 | A | T | -0.0359 | 0.0322 | 0.2653 |  |  |  |  | 3.31E-27 | -0.0248 | 0.0023 | 116.9037 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs6902600 | G | A | 0.0125 | 0.0440 | 0.7758 |  |  |  |  |  |  |  |  |  |  |  |  | 2.09E-21 | 0.0219 | 0.0023 | 90.3861 |  |  |  |  |
| rs6904506 | C | T | -0.0698 | 0.0532 | 0.1898 |  |  |  |  | 2.25E-49 | -0.0524 | 0.0035 | 218.4457 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs6911302 | C | A | -0.0030 | 0.0271 | 0.9118 |  |  |  |  |  |  |  |  | 1.22E-36 | -0.0241 | 0.0019 | 160.0451 |  |  |  |  |  |  |  |  |
| rs6915310 | T | C | -0.0185 | 0.0392 | 0.6371 |  |  |  |  |  |  |  |  |  |  |  |  | 2.17E-17 | -0.0212 | 0.0025 | 72.0898 | 1.71E-36 | -0.0323 | 0.0026 | 159.3117 |
| rs6924387 | G | A | -0.0005 | 0.0273 | 0.9843 |  |  |  |  | 2.19E-16 | 0.0167 | 0.0020 | 67.5446 |  |  |  |  | 3.59E-16 | 0.0156 | 0.0019 | 66.5737 | 1.73E-18 | 0.0173 | 0.0020 | 77.0772 |
| rs6926219 | A | G | -0.0183 | 0.0270 | 0.4976 |  |  |  |  |  |  |  |  | 2.23E-45 | 0.0268 | 0.0019 | 200.0076 | 1.13E-21 | 0.0180 | 0.0019 | 91.5860 |  |  |  |  |
| rs6927569 | C | T | 0.0500 | 0.0278 | 0.0724 | 4.22E-26 | 0.021693 | 0.002051 | 111.868525 |  |  |  |  |  |  |  |  |  |  |  |  | 2.40E-41 | 0.0259 | 0.0019 | 181.5269 |
| rs6938 | G | C | -0.0287 | 0.0281 | 0.3077 |  |  |  |  |  |  |  |  |  |  |  |  | 1.06E-21 | -0.0198 | 0.0021 | 91.7499 |  |  |  |  |
| rs694180 | G | A | -0.0346 | 0.0286 | 0.2268 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.24E-20 | 0.0188 | 0.0020 | 86.8491 |
| rs6955702 | G | A | 0.0046 | 0.0270 | 0.8642 |  |  |  |  | 4.97E-27 | 0.0217 | 0.0020 | 116.0867 | 3.36E-31 | -0.0223 | 0.0019 | 135.1710 |  |  |  |  |  |  |  |  |
| rs6959832 | A | G | 0.0141 | 0.0271 | 0.6020 |  |  |  |  | 3.66E-16 | -0.0162 | 0.0020 | 66.5339 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs696 | T | C | 0.0243 | 0.0277 | 0.3801 |  |  |  |  |  |  |  |  | 4.94E-38 | 0.0254 | 0.0020 | 166.3785 |  |  |  |  |  |  |  |  |
| rs6985508 | A | G | 0.0087 | 0.0278 | 0.7557 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3.36E-39 | -0.0274 | 0.0021 | 171.7367 |
| rs6989099 | C | T | -0.0006 | 0.0301 | 0.9853 |  |  |  |  | 8.58E-17 | -0.0178 | 0.0021 | 69.3507 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs6993442 | C | G | -0.0028 | 0.0366 | 0.9393 |  |  |  |  | 3.40E-16 | -0.0240 | 0.0029 | 66.6509 |  |  |  |  | 3.10E-41 | 0.0374 | 0.0028 | 181.0468 | 6.54E-48 | 0.0415 | 0.0029 | 211.7428 |
| rs706809 | C | T | -0.0027 | 0.0336 | 0.9367 |  |  |  |  |  |  |  |  |  |  |  |  | 1.76E-17 | 0.0195 | 0.0023 | 72.5175 | 2.78E-18 | 0.0206 | 0.0024 | 76.1451 |
| rs7070359 | G | C | 0.0020 | 0.0278 | 0.9432 |  |  |  |  |  |  |  |  |  |  |  |  | 4.20E-22 | 0.0184 | 0.0019 | 93.5665 |  |  |  |  |
| rs7071131 | G | A | 0.0052 | 0.0273 | 0.8480 |  |  |  |  |  |  |  |  | 3.85E-16 | -0.0160 | 0.0020 | 66.3877 |  |  |  |  |  |  |  |  |
| rs707793 | C | T | -0.0043 | 0.0271 | 0.8733 |  |  |  |  |  |  |  |  |  |  |  |  | 2.13E-58 | -0.0303 | 0.0019 | 259.8763 |  |  |  |  |
| rs7080536 | A | G | 0.0389 | 0.0813 | 0.6319 |  |  |  |  | 1.17E-18 | -0.0437 | 0.0050 | 77.8543 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs708785 | A | G | 0.0139 | 0.0272 | 0.6085 |  |  |  |  | 6.25E-21 | -0.0188 | 0.0020 | 88.2251 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs7093997 | T | C | 0.0135 | 0.0271 | 0.6194 |  |  |  |  | 1.76E-32 | -0.0236 | 0.0020 | 140.9753 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs7097656 | C | T | -0.0031 | 0.0325 | 0.9234 |  |  |  |  |  |  |  |  |  |  |  |  | 2.80E-18 | 0.0202 | 0.0023 | 76.1619 |  |  |  |  |
| rs714027 | G | A | -0.0509 | 0.0269 | 0.0587 |  |  |  |  |  |  |  |  | 5.96E-75 | -0.0349 | 0.0019 | 335.7455 |  |  |  |  |  |  |  |  |
| rs71420836 | T | C | -0.0239 | 0.0523 | 0.6478 |  |  |  |  |  |  |  |  | 1.67E-19 | 0.0302 | 0.0033 | 81.6853 |  |  |  |  |  |  |  |  |
| rs7161799 | T | C | 0.0385 | 0.0672 | 0.5662 |  |  |  |  |  |  |  |  | 2.79E-21 | 0.0341 | 0.0036 | 89.7862 |  |  |  |  |  |  |  |  |
| rs7166081 | A | G | 0.0157 | 0.0357 | 0.6596 |  |  |  |  | 1.54E-16 | 0.0195 | 0.0024 | 68.2219 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs7180079 | G | A | 0.0494 | 0.0410 | 0.2285 |  |  |  |  |  |  |  |  |  |  |  |  | 3.41E-95 | 0.0594 | 0.0029 | 428.8651 | 5.98E-28 | 0.0323 | 0.0029 | 120.2474 |
| rs7180804 | A | G | 0.0370 | 0.0324 | 0.2532 |  |  |  |  | 2.30E-42 | -0.0310 | 0.0023 | 186.2479 |  |  |  |  | 1.93E-286 | -0.0774 | 0.0021 | 1308.3375 |  |  |  |  |
| rs7183988 | G | T | -0.0155 | 0.0274 | 0.5727 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 6.26E-18 | -0.0170 | 0.0020 | 74.5382 |
| rs718515 | A | G | 0.0040 | 0.0271 | 0.8835 |  |  |  |  |  |  |  |  |  |  |  |  | 5.66E-26 | -0.0199 | 0.0019 | 111.2015 | 2.92E-17 | -0.0164 | 0.0019 | 71.4754 |
| rs7192652 | G | A | 0.0193 | 0.0273 | 0.4788 |  |  |  |  | 4.55E-22 | -0.0193 | 0.0020 | 93.4089 | 4.32E-31 | 0.0222 | 0.0019 | 134.6206 |  |  |  |  |  |  |  |  |
| rs721131 | C | T | -0.0131 | 0.0295 | 0.6564 |  |  |  |  |  |  |  |  | 1.36E-20 | -0.0189 | 0.0020 | 86.7009 |  |  |  |  |  |  |  |  |
| rs7227 | C | G | 0.0020 | 0.0297 | 0.9460 |  |  |  |  |  |  |  |  |  |  |  |  | 1.22E-27 | -0.0238 | 0.0022 | 118.8030 |  |  |  |  |
| rs723585 | G | A | 0.0193 | 0.0270 | 0.4751 |  |  |  |  |  |  |  |  |  |  |  |  | 9.43E-19 | -0.0165 | 0.0019 | 78.2515 | 2.97E-31 | -0.0223 | 0.0019 | 135.3972 |
| rs7252565 | A | G | 0.0450 | 0.0309 | 0.1451 |  |  |  |  |  |  |  |  | 1.55E-27 | 0.0276 | 0.0025 | 118.3686 |  |  |  |  |  |  |  |  |
| rs725613 | G | T | 0.0293 | 0.0287 | 0.3075 |  |  |  |  | 4.78E-116 | -0.0474 | 0.0021 | 524.8546 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs72672742 | G | A | 0.0285 | 0.0525 | 0.5876 |  |  |  |  |  |  |  |  | 5.98E-22 | -0.0375 | 0.0039 | 92.8703 |  |  |  |  |  |  |  |  |
| rs72693791 | A | G | -0.0725 | 0.0534 | 0.1748 |  |  |  |  | 2.49E-26 | 0.0378 | 0.0036 | 112.8899 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs72695582 | A | G | -0.1178 | 0.0698 | 0.0913 |  |  |  |  | 2.40E-17 | -0.0501 | 0.0059 | 71.8879 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs72752188 | G | C | 0.0107 | 0.0687 | 0.8757 |  |  |  |  |  |  |  |  |  |  |  |  | 1.66E-18 | -0.0456 | 0.0052 | 77.1648 |  |  |  |  |
| rs72790862 | C | T | -0.0416 | 0.0295 | 0.1577 |  |  |  |  | 1.09E-16 | -0.0178 | 0.0021 | 68.9232 | 7.52E-16 | -0.0166 | 0.0021 | 65.0957 | 1.92E-23 | -0.0203 | 0.0020 | 99.6951 | 6.71E-24 | -0.0210 | 0.0021 | 101.7437 |
| rs72835315 | C | T | 0.0485 | 0.0442 | 0.2727 |  |  |  |  |  |  |  |  | 7.09E-17 | 0.0351 | 0.0042 | 69.7412 |  |  |  |  |  |  |  |  |
| rs72911153 | A | G | 0.0047 | 0.0987 | 0.9623 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2.53E-18 | 0.0599 | 0.0069 | 76.3270 |
| rs72966841 | T | A | 0.0026 | 0.0515 | 0.9594 |  |  |  |  |  |  |  |  |  |  |  |  | 1.61E-16 | -0.0267 | 0.0032 | 68.1264 |  |  |  |  |
| rs72973711 | T | A | -0.0396 | 0.0580 | 0.4947 |  |  |  |  |  |  |  |  |  |  |  |  | 2.46E-16 | 0.0310 | 0.0038 | 67.3086 | 5.53E-21 | -0.0365 | 0.0039 | 88.4589 |
| rs73049276 | A | G | 0.1208 | 0.0830 | 0.1458 | 5.10E-17 | -0.036691 | 0.004373 | 70.39797101 |  |  |  |  |  |  |  |  |  |  |  |  | 5.13E-22 | -0.0395 | 0.0041 | 93.1850 |
| rs731708 | A | C | -0.0027 | 0.0316 | 0.9307 |  |  |  |  |  |  |  |  |  |  |  |  | 3.18E-180 | 0.0675 | 0.0024 | 819.7034 |  |  |  |  |
| rs73187850 | T | A | 0.0329 | 0.0307 | 0.2828 |  |  |  |  | 8.69E-17 | 0.0185 | 0.0022 | 69.3668 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs73217470 | G | A | 0.0529 | 0.0921 | 0.5658 |  |  |  |  |  |  |  |  |  |  |  |  | 2.11E-47 | 0.0648 | 0.0045 | 209.3249 |  |  |  |  |
| rs73239280 | A | G | 0.0050 | 0.0301 | 0.8680 |  |  |  |  |  |  |  |  | 4.72E-41 | -0.0315 | 0.0023 | 180.2318 |  |  |  |  |  |  |  |  |
| rs7324708 | A | G | 0.0752 | 0.0364 | 0.0389 |  |  |  |  |  |  |  |  | 3.28E-19 | -0.0205 | 0.0023 | 80.3856 |  |  |  |  |  |  |  |  |
| rs73735248 | T | C | -0.0203 | 0.0316 | 0.5210 |  |  |  |  |  |  |  |  | 7.43E-19 | 0.0229 | 0.0026 | 78.7656 |  |  |  |  |  |  |  |  |
| rs73961715 | C | T | -0.0047 | 0.0494 | 0.9236 |  |  |  |  |  |  |  |  | 2.79E-67 | -0.0490 | 0.0028 | 300.6655 |  |  |  |  |  |  |  |  |
| rs73963711 | T | C | -0.0327 | 0.0287 | 0.2558 |  |  |  |  | 3.28E-19 | 0.0221 | 0.0025 | 80.3587 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs743002 | C | T | -0.0192 | 0.0704 | 0.7853 | 4.55E-17 | 0.034945 | 0.004158 | 70.63193752 | 2.90E-48 | -0.0589 | 0.0040 | 213.2977 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs74472890 | C | T | 0.0694 | 0.0749 | 0.3542 | 1.02E-103 | 0.102642 | 0.004745 | 467.9266474 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs74480102 | A | G | -0.1142 | 0.0947 | 0.2278 |  |  |  |  | 2.52E-63 | -0.0830 | 0.0049 | 282.4169 |  |  |  |  |  |  |  |  | 3.09E-21 | -0.0463 | 0.0049 | 89.6240 |
| rs74612091 | A | T | -0.0081 | 0.0539 | 0.8803 |  |  |  |  | 1.23E-49 | 0.0610 | 0.0041 | 219.6132 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs74792881 | T | C | 0.0207 | 0.0498 | 0.6784 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3.49E-25 | 0.0751 | 0.0072 | 107.6324 |
| rs748113 | C | T | 0.0281 | 0.0279 | 0.3136 |  |  |  |  |  |  |  |  | 1.53E-65 | -0.0343 | 0.0020 | 292.6080 |  |  |  |  |  |  |  |  |
| rs7486636 | A | G | -0.0190 | 0.0320 | 0.5528 |  |  |  |  |  |  |  |  | 1.06E-16 | -0.0171 | 0.0021 | 68.9359 |  |  |  |  |  |  |  |  |
| rs7502216 | A | C | 0.0013 | 0.0272 | 0.9611 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.00E-20 | 0.0189 | 0.0020 | 87.2589 |
| rs7503461 | T | C | 0.0118 | 0.0283 | 0.6759 |  |  |  |  |  |  |  |  | 7.12E-29 | -0.0226 | 0.0020 | 124.5491 |  |  |  |  |  |  |  |  |
| rs75107793 | A | G | 0.0043 | 0.0445 | 0.9227 |  |  |  |  | 2.62E-17 | 0.0329 | 0.0039 | 71.7211 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs7516138 | G | A | 0.0003 | 0.0269 | 0.9916 |  |  |  |  | 3.50E-27 | -0.0220 | 0.0020 | 116.7780 |  |  |  |  | 1.31E-31 | -0.0226 | 0.0019 | 137.0234 |  |  |  |  |
| rs752208 | A | G | -0.0105 | 0.0397 | 0.7909 |  |  |  |  |  |  |  |  | 3.17E-27 | 0.0252 | 0.0023 | 116.9513 |  |  |  |  |  |  |  |  |
| rs7524066 | T | G | 0.0422 | 0.0302 | 0.1626 |  |  |  |  |  |  |  |  |  |  |  |  | 5.79E-27 | 0.0229 | 0.0021 | 115.7695 |  |  |  |  |
| rs7537229 | A | G | -0.0013 | 0.0541 | 0.9805 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4.39E-41 | 0.0423 | 0.0032 | 180.4130 |
| rs75380469 | T | C | -0.1339 | 0.0749 | 0.0737 |  |  |  |  | 3.10E-22 | 0.0422 | 0.0043 | 94.1556 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs75411115 | C | T | -0.0166 | 0.0304 | 0.5851 |  |  |  |  | 3.45E-19 | -0.0206 | 0.0023 | 80.2576 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs754388 | C | G | -0.0227 | 0.0388 | 0.5578 |  |  |  |  | 9.96E-24 | 0.0255 | 0.0025 | 100.9780 |  |  |  |  | 6.43E-36 | 0.0303 | 0.0024 | 156.6892 | 1.62E-32 | 0.0295 | 0.0025 | 141.1088 |
| rs75475627 | G | C | 0.0110 | 0.0481 | 0.8190 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3.76E-19 | 0.0330 | 0.0037 | 80.1195 |
| rs75590598 | A | G | 0.0605 | 0.0477 | 0.2043 |  |  |  |  | 4.07E-37 | -0.0415 | 0.0033 | 162.2107 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs755951 | C | A | -0.0186 | 0.0281 | 0.5083 |  |  |  |  |  |  |  |  |  |  |  |  | 9.72E-17 | -0.0159 | 0.0019 | 69.1378 |  |  |  |  |
| rs7561544 | C | T | -0.0030 | 0.0289 | 0.9183 |  |  |  |  |  |  |  |  |  |  |  |  | 5.55E-19 | 0.0194 | 0.0022 | 79.3310 |  |  |  |  |
| rs75642777 | C | G | 0.2374 | 0.1116 | 0.0334 |  |  |  |  |  |  |  |  |  |  |  |  | 1.57E-27 | 0.0676 | 0.0062 | 118.3374 |  |  |  |  |
| rs7569084 | T | C | 0.0055 | 0.0282 | 0.8462 |  |  |  |  | 1.19E-20 | 0.0187 | 0.0020 | 86.9654 |  |  |  |  | 7.40E-48 | 0.0276 | 0.0019 | 211.4991 |  |  |  |  |
| rs7572278 | A | T | -0.0456 | 0.0329 | 0.1665 |  |  |  |  |  |  |  |  | 1.04E-17 | 0.0204 | 0.0024 | 73.5506 | 3.44E-20 | 0.0217 | 0.0024 | 84.8042 |  |  |  |  |
| rs7574456 | T | C | -0.0220 | 0.0388 | 0.5707 |  |  |  |  |  |  |  |  |  |  |  |  | 5.20E-80 | -0.0403 | 0.0021 | 358.8751 |  |  |  |  |
| rs75883712 | T | C | -0.1047 | 0.0417 | 0.0120 |  |  |  |  |  |  |  |  |  |  |  |  | 2.06E-27 | -0.0328 | 0.0030 | 117.7781 |  |  |  |  |
| rs7590839 | A | G | -0.0585 | 0.1034 | 0.5713 |  |  |  |  |  |  |  |  |  |  |  |  | 3.35E-20 | 0.0781 | 0.0085 | 84.8826 |  |  |  |  |
| rs75912245 | A | G | -0.1938 | 0.1464 | 0.1856 |  |  |  |  |  |  |  |  |  |  |  |  | 2.57E-19 | 0.0573 | 0.0064 | 80.8532 |  |  |  |  |
| rs7613595 | C | A | 0.0109 | 0.0301 | 0.7185 | 1.55E-48 | -0.036371 | 0.002483 | 214.5640928 | 3.20E-22 | -0.0233 | 0.0024 | 94.1256 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs7617331 | C | T | -0.0328 | 0.0269 | 0.2218 |  |  |  |  |  |  |  |  | 2.52E-17 | 0.0160 | 0.0019 | 71.8010 |  |  |  |  |  |  |  |  |
| rs76217384 | G | A | 0.0277 | 0.0317 | 0.3828 |  |  |  |  |  |  |  |  | 2.74E-34 | -0.0273 | 0.0022 | 149.1919 |  |  |  |  |  |  |  |  |
| rs76224134 | T | G | 0.2284 | 0.1451 | 0.1155 |  |  |  |  |  |  |  |  | 1.53E-21 | -0.0877 | 0.0092 | 91.0079 |  |  |  |  |  |  |  |  |
| rs76282174 | T | C | -0.0666 | 0.0987 | 0.4998 |  |  |  |  | 1.34E-17 | 0.0529 | 0.0062 | 73.0529 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs7636495 | A | G | 0.0181 | 0.0347 | 0.6028 |  |  |  |  | 1.84E-20 | -0.0240 | 0.0026 | 86.0935 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs7639292 | T | C | -0.0313 | 0.0416 | 0.4518 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4.83E-18 | -0.0223 | 0.0026 | 75.0751 |
| rs76427287 | C | T | 0.0020 | 0.0312 | 0.9491 | 2.07E-31 | -0.028841 | 0.002472 | 136.1205503 |  |  |  |  |  |  |  |  | 3.04E-26 | 0.0249 | 0.0023 | 112.4233 |  |  |  |  |
| rs76428106 | C | T | -0.1608 | 0.1231 | 0.1916 | 2.78E-18 | 0.081896 | 0.009385 | 76.14770638 |  |  |  |  |  |  |  |  | 0.00E+00 | 0.5355 | 0.0086 | 3868.5221 | 6.25E-32 | 0.1045 | 0.0089 | 138.4824 |
| rs7646283 | T | C | 0.0090 | 0.0288 | 0.7560 |  |  |  |  | 2.33E-36 | 0.0260 | 0.0021 | 158.7869 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs76463640 | T | G | -0.0921 | 0.1234 | 0.4556 |  |  |  |  |  |  |  |  |  |  |  |  | 5.50E-19 | -0.0583 | 0.0065 | 79.3558 |  |  |  |  |
| rs766814 | A | G | -0.0188 | 0.0319 | 0.5551 |  |  |  |  | 1.29E-32 | 0.0260 | 0.0022 | 141.5980 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs7694971 | G | T | -0.0038 | 0.0273 | 0.8897 | 1.02E-17 | 0.018205 | 0.002122 | 73.60216808 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs76983186 | G | T | -0.0902 | 0.0612 | 0.1410 |  |  |  |  |  |  |  |  | 1.30E-17 | 0.0390 | 0.0046 | 73.1117 |  |  |  |  |  |  |  |  |
| rs76991457 | T | C | -0.0218 | 0.4085 | 0.9574 |  |  |  |  |  |  |  |  |  |  |  |  | 5.41E-23 | -0.0942 | 0.0095 | 97.6244 |  |  |  |  |
| rs7700687 | T | C | -0.0155 | 0.0283 | 0.5836 |  |  |  |  | 4.82E-86 | 0.0400 | 0.0020 | 386.8035 |  |  |  |  |  |  |  |  | 5.17E-33 | 0.0236 | 0.0020 | 143.4413 |
| rs77013706 | T | C | 0.0369 | 0.0668 | 0.5807 |  |  |  |  |  |  |  |  |  |  |  |  | 5.95E-17 | 0.0314 | 0.0038 | 70.0910 |  |  |  |  |
| rs7705526 | A | C | -0.0817 | 0.0289 | 0.0047 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 9.19E-54 | 0.0336 | 0.0022 | 238.5561 |
| rs77334607 | A | G | -0.0076 | 0.0353 | 0.8293 |  |  |  |  | 9.60E-26 | 0.0318 | 0.0030 | 110.2153 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs7739434 | A | G | 0.0371 | 0.0372 | 0.3189 |  |  |  |  |  |  |  |  | 2.67E-43 | -0.0342 | 0.0025 | 190.5646 |  |  |  |  |  |  |  |  |
| rs77400178 | A | G | 0.1097 | 0.1448 | 0.4489 |  |  |  |  |  |  |  |  |  |  |  |  | 4.00E-25 | -0.0814 | 0.0079 | 107.3484 |  |  |  |  |
| rs77514214 | T | C | -0.0677 | 0.0610 | 0.2671 |  |  |  |  |  |  |  |  | 3.05E-16 | 0.0379 | 0.0046 | 66.8744 |  |  |  |  |  |  |  |  |
| rs7760951 | C | T | -0.0699 | 0.0371 | 0.0596 |  |  |  |  | 9.71E-27 | -0.0281 | 0.0026 | 114.7364 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs7765498 | C | A | -0.0452 | 0.0328 | 0.1684 |  |  |  |  |  |  |  |  | 6.44E-30 | -0.0276 | 0.0024 | 129.2410 |  |  |  |  |  |  |  |  |
| rs77666400 | C | T | 0.0523 | 0.0367 | 0.1535 |  |  |  |  |  |  |  |  | 5.58E-24 | -0.0220 | 0.0022 | 102.1633 |  |  |  |  |  |  |  |  |
| rs77713896 | C | T | -0.0580 | 0.0600 | 0.3334 |  |  |  |  |  |  |  |  | 1.73E-18 | 0.0346 | 0.0039 | 77.0840 |  |  |  |  |  |  |  |  |
| rs7780328 | G | A | 0.0456 | 0.0515 | 0.3765 |  |  |  |  |  |  |  |  | 4.75E-23 | 0.0373 | 0.0038 | 97.8647 |  |  |  |  |  |  |  |  |
| rs7785014 | C | T | 0.0102 | 0.0291 | 0.7268 |  |  |  |  |  |  |  |  |  |  |  |  | 2.04E-36 | -0.0253 | 0.0020 | 158.9234 |  |  |  |  |
| rs778798 | C | A | -0.0148 | 0.0324 | 0.6483 | 3.99E-18 | -0.020339 | 0.002342 | 75.41980604 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs77901335 | T | C | 0.0572 | 0.0520 | 0.2708 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.36E-24 | -0.0393 | 0.0038 | 104.9383 |
| rs78023664 | A | G | 0.0595 | 0.0511 | 0.2445 |  |  |  |  | 4.70E-16 | -0.0280 | 0.0034 | 66.0345 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs78047920 | A | G | 0.0056 | 0.0509 | 0.9116 |  |  |  |  | 4.27E-23 | 0.0382 | 0.0039 | 98.0967 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs7824819 | G | A | -0.0265 | 0.0270 | 0.3262 |  |  |  |  |  |  |  |  |  |  |  |  | 3.64E-16 | -0.0155 | 0.0019 | 66.4938 |  |  |  |  |
| rs7846314 | T | A | -0.0119 | 0.0339 | 0.7268 |  |  |  |  | 3.92E-38 | -0.0329 | 0.0025 | 166.8801 |  |  |  |  |  |  |  |  | 4.70E-149 | 0.0639 | 0.0025 | 676.2750 |
| rs7848919 | A | G | 0.0477 | 0.0310 | 0.1245 |  |  |  |  | 1.55E-21 | -0.0205 | 0.0022 | 90.9707 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs7852629 | A | C | -0.0372 | 0.0581 | 0.5215 |  |  |  |  |  |  |  |  |  |  |  |  | 7.32E-35 | 0.0466 | 0.0038 | 151.9046 |  |  |  |  |
| rs7868130 | T | C | -0.0500 | 0.0287 | 0.0814 |  |  |  |  | 3.35E-46 | 0.0324 | 0.0023 | 203.7759 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs78692246 | A | G | -0.0759 | 0.0519 | 0.1439 |  |  |  |  | 6.34E-23 | 0.0426 | 0.0043 | 97.3094 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs78708399 | G | A | -0.0258 | 0.0823 | 0.7536 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 6.17E-20 | -0.0550 | 0.0060 | 83.6696 |
| rs78744187 | T | C | -0.0387 | 0.0385 | 0.3149 | 1.00E-200 | -0.130213 | 0.003757 | 1201.230358 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs78999685 | A | G | -0.0762 | 0.0594 | 0.1994 |  |  |  |  |  |  |  |  |  |  |  |  | 7.31E-34 | -0.0704 | 0.0058 | 147.3275 |  |  |  |  |
| rs79029360 | T | C | 0.0554 | 0.0400 | 0.1665 |  |  |  |  |  |  |  |  |  |  |  |  | 1.31E-20 | 0.0406 | 0.0044 | 86.7621 |  |  |  |  |
| rs79237520 | T | C | 0.0333 | 0.0995 | 0.7378 |  |  |  |  |  |  |  |  | 4.14E-40 | 0.0854 | 0.0064 | 175.9322 |  |  |  |  |  |  |  |  |
| rs79407714 | A | G | -0.2466 | 0.1033 | 0.0170 | 1.76E-41 | -0.082385 | 0.006103 | 182.2256685 |  |  |  |  |  |  |  |  | 1.28E-28 | -0.0644 | 0.0058 | 123.3230 |  |  |  |  |
| rs79412885 | A | G | 0.0017 | 0.0742 | 0.9821 |  |  |  |  |  |  |  |  |  |  |  |  | 2.96E-23 | 0.0368 | 0.0037 | 98.7986 |  |  |  |  |
| rs79478560 | A | G | 0.0467 | 0.0281 | 0.0963 |  |  |  |  |  |  |  |  | 4.39E-26 | -0.0208 | 0.0020 | 111.7028 |  |  |  |  |  |  |  |  |
| rs796004 | T | C | -0.0250 | 0.0308 | 0.4174 |  |  |  |  | 2.03E-16 | 0.0186 | 0.0023 | 67.6719 | 1.82E-29 | -0.0244 | 0.0022 | 127.1674 |  |  |  |  | 2.63E-20 | -0.0203 | 0.0022 | 85.3476 |
| rs796056 | C | A | -0.0329 | 0.0290 | 0.2574 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.43E-29 | 0.0223 | 0.0020 | 127.7346 |
| rs79683955 | G | A | 0.0695 | 0.0544 | 0.2014 |  |  |  |  |  |  |  |  |  |  |  |  | 3.19E-49 | 0.0530 | 0.0036 | 217.6980 |  |  |  |  |
| rs798563 | C | A | -0.0436 | 0.0292 | 0.1349 |  |  |  |  |  |  |  |  |  |  |  |  | 3.23E-17 | 0.0176 | 0.0021 | 71.2807 |  |  |  |  |
| rs79881201 | T | C | -0.0469 | 0.0289 | 0.1050 |  |  |  |  | 4.72E-85 | 0.0403 | 0.0021 | 382.0765 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs79894332 | A | G | -0.0173 | 0.0435 | 0.6899 |  |  |  |  |  |  |  |  |  |  |  |  | 6.30E-54 | -0.0482 | 0.0031 | 239.3257 |  |  |  |  |
| rs79912251 | A | G | -0.0275 | 0.2765 | 0.9209 | 1.53E-18 | -0.079562 | 0.009047 | 77.33965008 |  |  |  |  |  |  |  |  | 7.36E-38 | -0.1063 | 0.0083 | 165.6195 | 3.19E-46 | -0.1208 | 0.0085 | 203.9643 |
| rs79926321 | T | C | 0.0714 | 0.0597 | 0.2315 |  |  |  |  | 6.24E-25 | -0.0872 | 0.0084 | 106.4754 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs7996207 | A | G | 0.0227 | 0.0274 | 0.4073 |  |  |  |  |  |  |  |  |  |  |  |  | 7.76E-24 | 0.0205 | 0.0020 | 101.4407 | 1.59E-20 | 0.0194 | 0.0021 | 86.3911 |
| rs79964142 | C | A | 0.0108 | 0.0448 | 0.8098 |  |  |  |  |  |  |  |  |  |  |  |  | 1.23E-16 | 0.0277 | 0.0033 | 68.6807 |  |  |  |  |
| rs8 | T | C | -0.0011 | 0.0320 | 0.9735 |  |  |  |  | 7.63E-18 | 0.0219 | 0.0025 | 74.1764 |  |  |  |  | 3.42E-28 | 0.0264 | 0.0024 | 121.3768 |  |  |  |  |
| rs8004096 | G | T | -0.0193 | 0.0270 | 0.4736 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 8.91E-17 | -0.0161 | 0.0019 | 69.2839 |
| rs80054178 | C | T | -0.2515 | 0.1440 | 0.0807 |  |  |  |  | 8.57E-34 | -0.0818 | 0.0067 | 146.9932 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs8016326 | A | G | -0.0100 | 0.0276 | 0.7161 |  |  |  |  |  |  |  |  |  |  |  |  | 3.81E-178 | 0.0611 | 0.0021 | 810.5369 |  |  |  |  |
| rs80191217 | A | G | -0.0069 | 0.0803 | 0.9319 |  |  |  |  |  |  |  |  |  |  |  |  | 1.99E-17 | 0.0352 | 0.0041 | 72.2521 |  |  |  |  |
| rs80271829 | C | T | -0.0397 | 0.0362 | 0.2739 |  |  |  |  |  |  |  |  |  |  |  |  | 7.43E-31 | -0.0387 | 0.0034 | 133.5539 |  |  |  |  |
| rs8052370 | T | C | -0.0173 | 0.0275 | 0.5289 |  |  |  |  |  |  |  |  | 5.82E-25 | -0.0210 | 0.0020 | 106.6594 |  |  |  |  |  |  |  |  |
| rs8081327 | A | G | -0.0186 | 0.0317 | 0.5567 |  |  |  |  |  |  |  |  |  |  |  |  | 1.69E-21 | 0.0214 | 0.0022 | 90.8017 |  |  |  |  |
| rs8084255 | T | C | 0.0025 | 0.0295 | 0.9325 |  |  |  |  |  |  |  |  |  |  |  |  | 3.58E-17 | 0.0164 | 0.0019 | 71.1066 | 1.18E-26 | 0.0213 | 0.0020 | 114.3834 |
| rs8103278 | A | G | 0.0075 | 0.0307 | 0.8070 |  |  |  |  | 1.64E-36 | 0.0263 | 0.0021 | 159.4497 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs8113682 | G | T | -0.0309 | 0.0364 | 0.3968 | 6.41E-20 | -0.021612 | 0.002364 | 83.57857713 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs8134848 | A | G | -0.0060 | 0.0433 | 0.8892 |  |  |  |  | 1.55E-26 | 0.0333 | 0.0031 | 113.7801 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs831070 | A | G | -0.0104 | 0.0288 | 0.7166 |  |  |  |  |  |  |  |  | 7.58E-30 | -0.0237 | 0.0021 | 128.9746 |  |  |  |  |  |  |  |  |
| rs845344 | G | A | -0.0002 | 0.0308 | 0.9955 |  |  |  |  |  |  |  |  |  |  |  |  | 1.35E-35 | -0.0296 | 0.0024 | 155.2206 |  |  |  |  |
| rs865483 | C | A | 0.0135 | 0.0290 | 0.6427 |  |  |  |  |  |  |  |  | 1.96E-24 | -0.0201 | 0.0020 | 104.2510 | 8.84E-40 | -0.0258 | 0.0020 | 174.4618 |  |  |  |  |
| rs869785 | C | T | 0.0403 | 0.0285 | 0.1574 |  |  |  |  |  |  |  |  |  |  |  |  | 3.97E-18 | -0.0172 | 0.0020 | 75.4206 |  |  |  |  |
| rs871134 | T | C | 0.0548 | 0.0271 | 0.0431 |  |  |  |  |  |  |  |  |  |  |  |  | 7.06E-89 | 0.0383 | 0.0019 | 399.9373 | 2.46E-18 | 0.0171 | 0.0020 | 76.4131 |
| rs875740 | A | C | -0.0040 | 0.0274 | 0.8847 | 1.52E-16 | -0.017944 | 0.002172 | 68.25254961 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs878453 | C | T | 0.0311 | 0.0274 | 0.2557 |  |  |  |  |  |  |  |  |  |  |  |  | 5.97E-33 | -0.0234 | 0.0020 | 143.1302 |  |  |  |  |
| rs878906 | C | T | 0.0459 | 0.0271 | 0.0900 |  |  |  |  |  |  |  |  |  |  |  |  | 1.81E-52 | -0.0292 | 0.0019 | 232.6939 |  |  |  |  |
| rs881878 | A | G | 0.0406 | 0.0293 | 0.1658 |  |  |  |  |  |  |  |  | 1.09E-25 | -0.0209 | 0.0020 | 109.9183 | 1.48E-19 | -0.0179 | 0.0020 | 81.9873 |  |  |  |  |
| rs887464 | T | C | 0.0335 | 0.0290 | 0.2469 | 1.64E-25 | -0.021527 | 0.002061 | 109.0965553 |  |  |  |  | 3.07E-212 | -0.0591 | 0.0019 | 967.5408 | 1.29E-157 | -0.0503 | 0.0019 | 715.7333 | 6.65E-73 | -0.0349 | 0.0019 | 326.5431 |
| rs887477 | C | A | -0.0150 | 0.0272 | 0.5809 |  |  |  |  | 4.10E-16 | -0.0163 | 0.0020 | 66.3084 | 2.75E-36 | -0.0240 | 0.0019 | 158.4481 | 2.03E-38 | -0.0245 | 0.0019 | 168.1203 |  |  |  |  |
| rs894680 | A | G | -0.0138 | 0.0303 | 0.6481 |  |  |  |  |  |  |  |  | 4.18E-19 | 0.0178 | 0.0020 | 79.9356 |  |  |  |  |  |  |  |  |
| rs907612 | T | C | 0.0068 | 0.0278 | 0.8070 |  |  |  |  |  |  |  |  |  |  |  |  | 5.19E-60 | -0.0331 | 0.0020 | 267.2142 |  |  |  |  |
| rs911603 | A | C | -0.0274 | 0.0271 | 0.3123 |  |  |  |  | 1.42E-33 | -0.0247 | 0.0020 | 145.9448 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs913678 | C | T | 0.0197 | 0.0284 | 0.4876 |  |  |  |  |  |  |  |  |  |  |  |  | 2.55E-141 | -0.0507 | 0.0020 | 641.1115 |  |  |  |  |
| rs915125 | T | C | 0.0073 | 0.0293 | 0.8024 | 2.18E-37 | -0.029254 | 0.002288 | 163.477683 |  |  |  |  |  |  |  |  | 4.34E-59 | 0.0338 | 0.0021 | 263.0585 | 1.92E-16 | -0.0176 | 0.0021 | 67.8124 |
| rs928736 | T | C | 0.0153 | 0.0295 | 0.6041 |  |  |  |  | 1.19E-29 | -0.0247 | 0.0022 | 128.0913 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs9319425 | T | C | -0.0231 | 0.0291 | 0.4268 |  |  |  |  |  |  |  |  |  |  |  |  | 3.78E-17 | -0.0161 | 0.0019 | 71.0105 |  |  |  |  |
| rs9321502 | A | C | -0.0251 | 0.0277 | 0.3663 |  |  |  |  |  |  |  |  |  |  |  |  | 6.07E-21 | 0.0180 | 0.0019 | 88.2774 | 3.04E-33 | 0.0236 | 0.0020 | 144.4040 |
| rs9328393 | A | C | -0.0308 | 0.0282 | 0.2738 |  |  |  |  |  |  |  |  | 5.74E-31 | 0.0234 | 0.0020 | 134.0600 |  |  |  |  |  |  |  |  |
| rs9357149 | T | C | -0.0747 | 0.0645 | 0.2465 |  |  |  |  | 1.12E-38 | 0.0968 | 0.0074 | 169.3671 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs9372120 | G | T | -0.0219 | 0.0318 | 0.4917 |  |  |  |  | 1.28E-17 | 0.0209 | 0.0024 | 73.1595 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs9389268 | G | A | 0.0556 | 0.0285 | 0.0513 |  |  |  |  | 3.69E-87 | -0.0454 | 0.0023 | 391.7878 | 2.20E-76 | -0.0404 | 0.0022 | 342.4535 | 7.74E-69 | -0.0379 | 0.0022 | 307.7839 | 8.11E-52 | -0.0336 | 0.0022 | 229.5949 |
| rs9390461 | G | A | 0.0089 | 0.0270 | 0.7412 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3.49E-20 | 0.0177 | 0.0019 | 84.7910 |
| rs9410425 | A | G | -0.0215 | 0.0290 | 0.4596 |  |  |  |  |  |  |  |  |  |  |  |  | 3.23E-51 | -0.0300 | 0.0020 | 226.7939 |  |  |  |  |
| rs942017 | A | G | 0.0629 | 0.0283 | 0.0260 |  |  |  |  | 3.43E-16 | -0.0173 | 0.0021 | 66.6545 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs9508000 | C | A | 0.4552 | 0.2021 | 0.0243 |  |  |  |  |  |  |  |  |  |  |  |  | 1.15E-16 | -0.0662 | 0.0080 | 68.7807 |  |  |  |  |
| rs9513055 | G | A | -0.0198 | 0.0671 | 0.7677 |  |  |  |  |  |  |  |  |  |  |  |  | 4.77E-21 | -0.0401 | 0.0043 | 88.7469 |  |  |  |  |
| rs9532434 | C | T | -0.0253 | 0.0280 | 0.3657 |  |  |  |  | 4.57E-38 | 0.0269 | 0.0021 | 166.6120 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs9532469 | C | A | 0.0339 | 0.0284 | 0.2329 |  |  |  |  | 8.08E-20 | 0.0181 | 0.0020 | 83.1315 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs9594746 | C | T | 0.0108 | 0.0278 | 0.6965 |  |  |  |  |  |  |  |  | 1.35E-27 | -0.0207 | 0.0019 | 118.6011 |  |  |  |  |  |  |  |  |
| rs9616327 | A | G | 0.0016 | 0.0281 | 0.9538 |  |  |  |  |  |  |  |  |  |  |  |  | 2.23E-21 | 0.0185 | 0.0019 | 90.2598 |  |  |  |  |
| rs9625746 | C | G | -0.0001 | 0.0292 | 0.9984 |  |  |  |  |  |  |  |  |  |  |  |  | 7.42E-28 | -0.0213 | 0.0019 | 119.8811 |  |  |  |  |
| rs962993 | T | C | -0.0353 | 0.0293 | 0.2289 |  |  |  |  | 4.92E-90 | -0.0404 | 0.0020 | 405.0732 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs964184 | C | G | 0.0234 | 0.0379 | 0.5368 |  |  |  |  | 4.39E-23 | 0.0288 | 0.0029 | 98.0324 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs9643523 | C | T | -0.0545 | 0.0275 | 0.0473 |  |  |  |  |  |  |  |  |  |  |  |  | 1.70E-19 | 0.0175 | 0.0019 | 81.6808 | 1.82E-20 | 0.0184 | 0.0020 | 86.1135 |
| rs9658111 | C | G | -0.1135 | 0.1095 | 0.3000 |  |  |  |  |  |  |  |  | 7.82E-47 | -0.0629 | 0.0044 | 206.7795 |  |  |  |  |  |  |  |  |
| rs9809116 | G | A | -0.0217 | 0.0286 | 0.4485 |  |  |  |  |  |  |  |  |  |  |  |  | 8.21E-20 | 0.0174 | 0.0019 | 83.0866 |  |  |  |  |
| rs9815874 | T | C | 0.0143 | 0.0327 | 0.6620 |  |  |  |  | 1.93E-39 | 0.0284 | 0.0022 | 172.8548 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs9835307 | C | T | 0.0017 | 0.0285 | 0.9515 |  |  |  |  | 2.69E-33 | 0.0263 | 0.0022 | 144.6812 |  |  |  |  |  |  |  |  |  |  |  |  |
| rs9835571 | G | T | 0.0052 | 0.0291 | 0.8582 |  |  |  |  |  |  |  |  | 3.49E-27 | 0.0220 | 0.0020 | 116.7927 | 3.24E-16 | 0.0164 | 0.0020 | 66.7743 |  |  |  |  |
| rs9864216 | A | G | -0.0290 | 0.0321 | 0.3664 |  |  |  |  |  |  |  |  | 1.57E-25 | 0.0237 | 0.0023 | 109.2523 |  |  |  |  |  |  |  |  |
| rs9885207 | C | T | 0.0462 | 0.0274 | 0.0914 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.22E-16 | 0.0162 | 0.0020 | 68.6955 |
| rs9895848 | T | C | -0.0322 | 0.0294 | 0.2735 |  |  |  |  |  |  |  |  | 2.78E-36 | -0.0262 | 0.0021 | 158.4109 |  |  |  |  |  |  |  |  |
| rs9905106 | C | T | 0.0340 | 0.0284 | 0.2316 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.62E-24 | 0.0228 | 0.0022 | 104.5775 |
| rs9911144 | C | T | 0.0499 | 0.0322 | 0.1209 |  |  |  |  |  |  |  |  |  |  |  |  | 1.38E-24 | -0.0231 | 0.0023 | 104.8583 |  |  |  |  |
| rs9920 | C | T | -0.0307 | 0.0511 | 0.5479 |  |  |  |  |  |  |  |  | 2.15E-21 | 0.0294 | 0.0031 | 90.3483 |  |  |  |  |  |  |  |  |
| rs9939124 | T | C | 0.0209 | 0.0289 | 0.4682 |  |  |  |  |  |  |  |  | 3.60E-16 | -0.0167 | 0.0021 | 66.5684 |  |  |  |  |  |  |  |  |
| rs9965539 | A | G | -0.0306 | 0.0378 | 0.4192 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.35E-27 | 0.0311 | 0.0029 | 118.6315 |
| rs9977672 | A | G | 0.0122 | 0.0319 | 0.7010 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 7.34E-24 | -0.0223 | 0.0022 | 101.5682 |
| rs9979383 | T | C | -0.0405 | 0.0282 | 0.1508 |  |  |  |  | 8.00E-43 | 0.0284 | 0.0021 | 188.3945 |  |  |  |  |  |  |  |  |  |  |  |  |