**Supplementary table 2:** SNPs associated with adult BMI and their associations with MS

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SNP** | **A1** | **A2** | **βexposure** | **βoutcome** | **SEoutcome** | **Poutcome** | **SEexposure** | **Pexposure** |
| rs1003081 | T | C | 0.010456 | -0.01715 | 0.01638 | 0.2952 | 0.001664 | 3.32E-10 |
| rs1006353 | A | G | 0.011228 | 0.022246 | 0.018552 | 0.2305 | 0.001921 | 5.05E-09 |
| rs10083803 | T | C | -0.01123 | 0.010657 | 0.018663 | 0.568 | 0.001949 | 8.32E-09 |
| rs10132280 | A | C | -0.02015 | -0.01272 | 0.017804 | 0.475 | 0.001859 | 2.25E-27 |
| rs10182181 | A | G | -0.02766 | -0.02184 | 0.016358 | 0.1819 | 0.001816 | 2.26E-52 |
| rs10203277 | A | G | 0.019985 | -0.0015 | 0.024629 | 0.9514 | 0.003291 | 1.26E-09 |
| rs10268050 | T | C | -0.01414 | -0.00588 | 0.020274 | 0.7717 | 0.002063 | 7.23E-12 |
| rs10269783 | A | G | 0.013732 | -0.0031 | 0.016659 | 0.8526 | 0.001703 | 7.33E-16 |
| rs10275044 | A | T | -0.0141 | -0.00429 | 0.032636 | 0.8954 | 0.002339 | 1.67E-09 |
| rs1045411 | T | C | -0.01534 | -0.0026 | 0.020059 | 0.897 | 0.001905 | 8.26E-16 |
| rs1048932 | A | C | -0.01637 | -0.07332 | 0.016664 | 1.08E-05 | 0.001754 | 9.95E-21 |
| rs10497807 | C | G | -0.01837 | -0.0004 | 0.018769 | 0.983 | 0.001849 | 2.86E-23 |
| rs10510321 | T | C | 0.012362 | 0.001802 | 0.020334 | 0.9294 | 0.002117 | 5.20E-09 |
| rs10515050 | T | C | -0.01037 | -1.00E-04 | 0.013523 | 0.9941 | 0.001809 | 9.85E-09 |
| rs10733051 | A | G | 0.009673 | -0.00552 | 0.016129 | 0.7324 | 0.001605 | 1.69E-09 |
| rs10744146 | A | G | -0.01351 | -0.02264 | 0.016215 | 0.1626 | 0.001731 | 5.94E-15 |
| rs10745785 | T | C | -0.01125 | -0.003 | 0.017095 | 0.8609 | 0.001837 | 9.00E-10 |
| rs1075901 | T | C | -0.01273 | 0.015184 | 0.016396 | 0.3544 | 0.001604 | 2.09E-15 |
| rs10773049 | T | C | -0.01033 | 0.008536 | 0.016633 | 0.6078 | 0.001737 | 2.74E-09 |
| rs10797115 | T | C | 0.011886 | 0.06663 | 0.016469 | 5.22E-05 | 0.001707 | 3.36E-12 |
| rs10830452 | A | G | -0.01163 | 0.035657 | 0.01754 | 0.04206 | 0.001817 | 1.57E-10 |
| rs10842240 | C | G | 0.020395 | 0.025113 | 0.024624 | 0.3078 | 0.0028 | 3.21E-13 |
| rs10865858 | T | C | 0.01063 | -0.03063 | 0.016549 | 0.06422 | 0.001772 | 1.97E-09 |
| rs10867256 | T | C | -0.01122 | -0.00955 | 0.016249 | 0.5569 | 0.001721 | 7.00E-11 |
| rs10876418 | T | C | -0.01887 | -0.03101 | 0.019818 | 0.1176 | 0.002105 | 3.08E-19 |
| rs10878946 | T | C | -0.01466 | -0.01369 | 0.017948 | 0.4455 | 0.001908 | 1.51E-14 |
| rs10887578 | C | G | 0.01249 | 0.034488 | 0.016671 | 0.03857 | 0.001718 | 3.58E-13 |
| rs10915840 | A | G | -0.01266 | -0.04191 | 0.018819 | 0.02595 | 0.001961 | 1.07E-10 |
| rs10920678 | A | G | 0.015534 | 0.01784 | 0.016383 | 0.2762 | 0.001715 | 1.35E-19 |
| rs10929925 | A | C | -0.0106 | -0.02254 | 0.016648 | 0.1757 | 0.001723 | 7.76E-10 |
| rs10930641 | A | G | -0.0156 | -0.00622 | 0.016641 | 0.7086 | 0.001857 | 4.53E-17 |
| rs10938397 | A | G | -0.03282 | -0.02368 | 0.016457 | 0.1502 | 0.001614 | 6.92E-92 |
| rs10953620 | A | C | -0.00987 | 0.015578 | 0.016326 | 0.34 | 0.001701 | 6.55E-09 |
| rs10971712 | T | C | -0.01812 | -0.0282 | 0.026195 | 0.2817 | 0.002782 | 7.29E-11 |
| rs1106908 | A | G | -0.01559 | -0.07386 | 0.016382 | 6.52E-06 | 0.001626 | 8.62E-22 |
| rs11115176 | T | C | 0.017084 | -0.0016 | 0.019365 | 0.9341 | 0.002195 | 7.06E-15 |
| rs11118308 | A | G | 0.010052 | 0.001299 | 0.017464 | 0.9407 | 0.0016 | 3.35E-10 |
| rs11150911 | A | C | 0.013856 | -0.00817 | 0.017899 | 0.6482 | 0.001812 | 2.07E-14 |
| rs11251352 | A | G | -0.01175 | 0.009747 | 0.016694 | 0.5593 | 0.001847 | 1.98E-10 |
| rs11611246 | T | G | 0.025301 | -0.0009 | 0.02142 | 0.9665 | 0.002053 | 6.93E-35 |
| rs11642001 | A | G | -0.02514 | -0.02615 | 0.025832 | 0.3113 | 0.003126 | 8.70E-16 |
| rs11668301 | A | G | 0.017473 | 0.018233 | 0.022692 | 0.4217 | 0.002432 | 6.81E-13 |
| rs11672660 | T | C | -0.03545 | -0.07279 | 0.021208 | 0.000599 | 0.00224 | 1.98E-56 |
| rs11736228 | A | T | 0.012189 | -0.001 | 0.018175 | 0.9561 | 0.002064 | 3.53E-09 |
| rs11773362 | T | C | -0.01116 | 0.008435 | 0.017333 | 0.6265 | 0.001803 | 6.00E-10 |
| rs1178060 | A | G | -0.10457 | 0.019607 | 0.023207 | 0.3982 | 0.006521 | 7.05E-58 |
| rs11781699 | T | C | -0.01422 | 0.00995 | 0.021493 | 0.6434 | 0.002153 | 4.02E-11 |
| rs11792069 | A | G | 0.015057 | 0.00449 | 0.024198 | 0.8528 | 0.002404 | 3.76E-10 |
| rs11889536 | A | G | 0.018541 | -0.00702 | 0.0235 | 0.765 | 0.002487 | 8.92E-14 |
| rs11945861 | A | G | -0.0143 | 0.006924 | 0.019287 | 0.7196 | 0.002005 | 1.00E-12 |
| rs11971041 | A | G | -0.01912 | -0.01715 | 0.029069 | 0.5553 | 0.003154 | 1.35E-09 |
| rs11987383 | A | C | -0.01585 | 0.033867 | 0.025005 | 0.1756 | 0.002618 | 1.40E-09 |
| rs12033257 | A | G | 0.013489 | 0.013903 | 0.018187 | 0.4446 | 0.00184 | 2.31E-13 |
| rs12041258 | T | C | 0.014798 | -0.01228 | 0.019442 | 0.5278 | 0.002099 | 1.78E-12 |
| rs12044597 | A | G | -0.01301 | 0.056782 | 0.017013 | 0.000845 | 0.001662 | 4.97E-15 |
| rs12098284 | T | C | 0.015764 | 0.004689 | 0.025341 | 0.8532 | 0.002711 | 6.06E-09 |
| rs12148386 | T | C | 0.047587 | 0.006081 | 0.016331 | 0.7096 | 0.004233 | 2.56E-29 |
| rs12207241 | A | G | -0.04143 | -0.00844 | 0.016853 | 0.6167 | 0.003703 | 4.73E-29 |
| rs1229057 | T | C | 0.016023 | -0.01232 | 0.025426 | 0.6279 | 0.002774 | 7.68E-09 |
| rs12327272 | A | G | 0.027804 | -0.0199 | 0.025896 | 0.4422 | 0.003377 | 1.81E-16 |
| rs12364470 | T | G | -0.0171 | 0.024302 | 0.02302 | 0.2911 | 0.00222 | 1.32E-14 |
| rs12411886 | A | C | 0.033857 | -0.04153 | 0.028762 | 0.1488 | 0.003167 | 1.14E-26 |
| rs1241986 | A | G | -0.01492 | 0.008067 | 0.022786 | 0.7233 | 0.002411 | 6.14E-10 |
| rs12429545 | A | G | 0.033711 | 0.008637 | 0.024731 | 0.7269 | 0.002553 | 8.53E-40 |
| rs12439798 | T | G | 0.012896 | 0.01548 | 0.016419 | 0.3458 | 0.001702 | 3.57E-14 |
| rs12443621 | A | G | -0.01166 | -0.03957 | 0.016463 | 0.01623 | 0.001724 | 1.36E-11 |
| rs12448257 | A | G | 0.022154 | -0.00846 | 0.021454 | 0.6932 | 0.002103 | 6.11E-26 |
| rs12564992 | A | G | -0.0384 | 0.026545 | 0.025421 | 0.2964 | 0.003636 | 4.52E-26 |
| rs12575252 | C | G | -0.01571 | 0.02245 | 0.017045 | 0.1878 | 0.001911 | 2.03E-16 |
| rs12577642 | A | T | -0.02151 | -0.02143 | 0.017561 | 0.2224 | 0.001809 | 1.26E-32 |
| rs12595749 | A | G | 0.014999 | 0.001599 | 0.016349 | 0.9221 | 0.001706 | 1.47E-18 |
| rs12602912 | T | C | 0.018235 | 0.010049 | 0.020037 | 0.616 | 0.002106 | 4.78E-18 |
| rs12888545 | A | G | -0.01713 | -0.05604 | 0.01907 | 0.003296 | 0.002103 | 3.76E-16 |
| rs12939549 | A | G | 0.016313 | 0.034884 | 0.016357 | 0.03295 | 0.001624 | 9.87E-24 |
| rs1296328 | A | C | 0.01487 | 0.0003 | 0.01544 | 0.9845 | 0.001947 | 2.21E-14 |
| rs12964689 | A | G | 0.022839 | -0.01104 | 0.016283 | 0.4978 | 0.001761 | 1.88E-38 |
| rs13021737 | A | G | -0.05964 | -0.00787 | 0.021448 | 0.7137 | 0.002412 | ######## |
| rs13107325 | T | C | 0.044892 | 0.113505 | 0.037885 | 0.002735 | 0.003333 | 2.44E-41 |
| rs13110266 | A | G | -0.0114 | -0.00876 | 0.016571 | 0.597 | 0.001756 | 8.50E-11 |
| rs13174863 | A | G | -0.01973 | 0.006181 | 0.024447 | 0.8004 | 0.002375 | 1.01E-16 |
| rs13191362 | A | G | 0.020645 | 0.023521 | 0.025494 | 0.3562 | 0.002652 | 6.91E-15 |
| rs13203153 | A | G | -0.01557 | -0.02557 | 0.021061 | 0.2247 | 0.002261 | 5.71E-12 |
| rs13227658 | T | C | -0.02061 | -0.01076 | 0.016433 | 0.5127 | 0.001848 | 7.07E-29 |
| rs1323068 | A | G | -0.01298 | 0.015676 | 0.017619 | 0.3736 | 0.001932 | 1.84E-11 |
| rs13240600 | A | G | 0.021523 | -0.03672 | 0.022342 | 0.1003 | 0.002465 | 2.49E-18 |
| rs13247665 | T | C | -0.01199 | -0.01015 | 0.018446 | 0.5821 | 0.001851 | 9.28E-11 |
| rs13292976 | T | C | 0.010844 | -0.00618 | 0.016228 | 0.7033 | 0.001801 | 1.75E-09 |
| rs13329567 | T | C | -0.03544 | 0.025375 | 0.019721 | 0.1982 | 0.002252 | 8.08E-56 |
| rs1362910 | A | G | 0.015372 | 0.0008 | 0.016977 | 0.9624 | 0.001859 | 1.34E-16 |
| rs1371108 | A | C | 0.015676 | 0.005616 | 0.017602 | 0.7497 | 0.001888 | 1.02E-16 |
| rs1375561 | T | C | 0.01307 | 0.007273 | 0.017324 | 0.6746 | 0.001983 | 4.41E-11 |
| rs1405348 | A | G | -0.01347 | 0.013085 | 0.016431 | 0.4258 | 0.001962 | 6.66E-12 |
| rs1412235 | C | G | 0.032502 | 0.016739 | 0.01754 | 0.3399 | 0.002135 | 2.42E-52 |
| rs1431659 | A | G | 0.020421 | -0.0019 | 0.017784 | 0.915 | 0.001914 | 1.44E-26 |
| rs1436343 | A | G | -0.0123 | -0.0198 | 0.016472 | 0.2293 | 0.001754 | 2.35E-12 |
| rs1452075 | T | C | 0.014296 | -0.0144 | 0.01821 | 0.4292 | 0.001821 | 4.12E-15 |
| rs1492767 | T | C | 0.009663 | 0.019901 | 0.016543 | 0.229 | 0.001604 | 1.69E-09 |
| rs150353 | T | G | -0.01124 | -0.01676 | 0.016484 | 0.3093 | 0.001828 | 7.75E-10 |
| rs1522569 | T | G | 0.014802 | -0.0006 | 0.021 | 0.9772 | 0.002217 | 2.46E-11 |
| rs1544459 | T | C | -0.01039 | -0.01656 | 0.016236 | 0.3077 | 0.001617 | 1.33E-10 |
| rs1552717 | A | T | 0.017533 | -0.00975 | 0.023458 | 0.6776 | 0.002615 | 2.02E-11 |
| rs156151 | C | G | -0.0146 | -0.00767 | 0.020414 | 0.7071 | 0.002156 | 1.30E-11 |
| rs1657930 | A | G | -0.01732 | -0.02963 | 0.019979 | 0.138 | 0.002444 | 1.37E-12 |
| rs1668633 | T | C | 0.010935 | 0.01187 | 0.01633 | 0.4673 | 0.001709 | 1.59E-10 |
| rs16828086 | C | G | 0.010557 | 0.011731 | 0.017502 | 0.5027 | 0.001811 | 5.53E-09 |
| rs16906845 | A | G | -0.0232 | -0.02059 | 0.033979 | 0.5446 | 0.003811 | 1.14E-09 |
| rs17035438 | A | G | 0.019099 | 0.030253 | 0.028853 | 0.2944 | 0.003163 | 1.56E-09 |
| rs17056301 | T | C | -0.01731 | -0.02878 | 0.018602 | 0.1218 | 0.002143 | 6.46E-16 |
| rs17203016 | A | G | -0.01215 | 0.003892 | 0.021256 | 0.8547 | 0.002043 | 2.71E-09 |
| rs17207196 | T | C | -0.0184 | 0.022041 | 0.017226 | 0.2007 | 0.001996 | 3.04E-20 |
| rs17327461 | T | C | 0.011918 | 0.005314 | 0.016194 | 0.7428 | 0.00163 | 2.64E-13 |
| rs17636031 | T | C | -0.01691 | -0.02078 | 0.022035 | 0.3456 | 0.002065 | 2.69E-16 |
| rs17681451 | A | G | -0.02684 | 0.006622 | 0.02935 | 0.8215 | 0.003419 | 4.13E-15 |
| rs17724992 | A | G | 0.018003 | 0.019607 | 0.018634 | 0.2927 | 0.001943 | 1.92E-20 |
| rs17806379 | T | C | -0.02476 | 0.054562 | 0.021071 | 0.009612 | 0.002284 | 2.15E-27 |
| rs1814170 | A | T | 0.020663 | -0.02778 | 0.026856 | 0.3009 | 0.002901 | 1.05E-12 |
| rs1865341 | T | C | 0.013032 | -0.02381 | 0.019072 | 0.2118 | 0.002015 | 1.00E-10 |
| rs1884389 | T | C | -0.01087 | -0.0026 | 0.016107 | 0.8716 | 0.001704 | 1.78E-10 |
| rs1884897 | A | G | -0.01911 | -0.01213 | 0.016724 | 0.4684 | 0.001703 | 3.07E-29 |
| rs1903579 | C | G | 0.012484 | -0.0004 | 0.016362 | 0.9805 | 0.001717 | 3.61E-13 |
| rs1927790 | T | C | -0.01265 | 0.002503 | 0.016293 | 0.8779 | 0.001656 | 2.15E-14 |
| rs1928295 | T | C | 0.015176 | 0.016759 | 0.016345 | 0.3052 | 0.001639 | 2.10E-20 |
| rs1937684 | A | T | 0.011157 | 0.003908 | 0.017048 | 0.8187 | 0.001803 | 6.09E-10 |
| rs1941697 | A | G | 0.013684 | -0.00846 | 0.016238 | 0.6022 | 0.001723 | 1.99E-15 |
| rs1951455 | T | C | -0.01361 | -0.04736 | 0.018677 | 0.01122 | 0.001905 | 8.93E-13 |
| rs1956151 | A | G | -0.01564 | -0.00727 | 0.020436 | 0.7219 | 0.002275 | 6.21E-12 |
| rs1973993 | T | C | -0.02039 | -0.01857 | 0.016505 | 0.2605 | 0.001788 | 4.17E-30 |
| rs208015 | T | C | 0.031071 | 0.030975 | 0.030783 | 0.3143 | 0.003536 | 1.52E-18 |
| rs2160077 | A | G | 0.012093 | -0.02953 | 0.016415 | 0.07201 | 0.001699 | 1.09E-12 |
| rs2163188 | C | G | 0.010548 | 0.006924 | 0.016196 | 0.669 | 0.001774 | 2.73E-09 |
| rs2174307 | C | G | 0.01143 | 0.01847 | 0.016428 | 0.2609 | 0.001722 | 3.17E-11 |
| rs217671 | A | G | -0.01261 | -0.00391 | 0.018499 | 0.8327 | 0.001915 | 4.58E-11 |
| rs2192158 | A | G | 0.014968 | 0.011971 | 0.016418 | 0.4659 | 0.001749 | 1.17E-17 |
| rs2228213 | A | G | -0.01402 | -0.02092 | 0.01731 | 0.2269 | 0.001703 | 1.83E-16 |
| rs2230590 | T | C | -0.05625 | -0.01025 | 0.016317 | 0.5298 | 0.002296 | ######## |
| rs2240108 | T | C | -0.0159 | 0.042177 | 0.023393 | 0.07139 | 0.002646 | 1.88E-09 |
| rs2307022 | A | G | 0.051323 | -0.04521 | 0.017225 | 0.00868 | 0.003317 | 5.43E-54 |
| rs2307111 | T | C | 0.021797 | -0.01664 | 0.016789 | 0.3217 | 0.001739 | 4.98E-36 |
| rs2357760 | A | G | 0.010674 | 0.030917 | 0.017305 | 0.074 | 0.001808 | 3.52E-09 |
| rs2365389 | T | C | -0.01322 | 0.018822 | 0.016598 | 0.2568 | 0.001934 | 8.11E-12 |
| rs2386802 | A | C | -0.02542 | 0.021224 | 0.018961 | 0.263 | 0.002944 | 5.85E-18 |
| rs2425857 | A | G | 0.013771 | 0.010353 | 0.016482 | 0.5299 | 0.001719 | 1.14E-15 |
| rs2429150 | A | C | -0.01249 | 0.031692 | 0.016613 | 0.05643 | 0.001827 | 8.05E-12 |
| rs2440885 | A | G | 0.012356 | 0.029267 | 0.016366 | 0.07372 | 0.001867 | 3.61E-11 |
| rs2467110 | T | C | -0.01413 | -0.02781 | 0.019309 | 0.1498 | 0.0022 | 1.37E-10 |
| rs2479958 | A | G | 0.013015 | -0.00965 | 0.018156 | 0.5952 | 0.001847 | 1.83E-12 |
| rs248139 | A | G | 0.015952 | -0.01203 | 0.020821 | 0.5635 | 0.002307 | 4.70E-12 |
| rs2481665 | T | C | 0.015195 | 0.006876 | 0.016362 | 0.6743 | 0.001654 | 4.16E-20 |
| rs2534760 | A | T | -0.01441 | -0.00361 | 0.017977 | 0.841 | 0.002081 | 4.32E-12 |
| rs2543132 | C | G | 0.017462 | -0.01104 | 0.020782 | 0.5953 | 0.002262 | 1.17E-14 |
| rs254428 | T | G | 0.010206 | -0.02225 | 0.017567 | 0.2053 | 0.001737 | 4.23E-09 |
| rs2605603 | A | G | -0.01016 | -0.0246 | 0.016116 | 0.1269 | 0.001606 | 2.53E-10 |
| rs2721965 | A | C | 0.014295 | 0.008762 | 0.017455 | 0.6157 | 0.001876 | 2.51E-14 |
| rs273504 | A | G | -0.01313 | 0.083599 | 0.017254 | 1.26E-06 | 0.001807 | 3.61E-13 |
| rs273697 | A | G | -0.0107 | -0.01153 | 0.016229 | 0.4773 | 0.001711 | 4.06E-10 |
| rs2781668 | T | C | 0.019393 | 0.035524 | 0.022557 | 0.1153 | 0.002334 | 9.75E-17 |
| rs2820311 | A | G | -0.018 | 0.00439 | 0.017499 | 0.8019 | 0.002243 | 1.03E-15 |
| rs2836961 | A | C | -0.01208 | -0.00652 | 0.016742 | 0.6969 | 0.001776 | 1.03E-11 |
| rs284227 | T | C | -0.01521 | 0.011336 | 0.018728 | 0.545 | 0.001903 | 1.32E-15 |
| rs2875762 | C | G | 0.01236 | 0.0004 | 0.01855 | 0.9828 | 0.00204 | 1.37E-09 |
| rs2974255 | A | G | 0.023667 | -0.0027 | 0.020217 | 0.8939 | 0.002585 | 5.33E-20 |
| rs310618 | T | C | -0.01193 | -0.02388 | 0.020709 | 0.2488 | 0.001814 | 4.84E-11 |
| rs3134353 | A | T | -0.01198 | 0.007226 | 0.016773 | 0.6666 | 0.001807 | 3.31E-11 |
| rs326889 | T | C | -0.01235 | -0.02752 | 0.016808 | 0.1016 | 0.001861 | 3.20E-11 |
| rs329651 | T | G | 0.017379 | 0.006081 | 0.021988 | 0.7821 | 0.002219 | 4.79E-15 |
| rs340025 | T | C | -0.01214 | 0.0006 | 0.015286 | 0.9687 | 0.001702 | 9.83E-13 |
| rs355777 | C | G | 0.013129 | -0.01157 | 0.016508 | 0.4835 | 0.001816 | 4.80E-13 |
| rs3753549 | T | C | -0.02285 | 0.008464 | 0.023852 | 0.7227 | 0.002575 | 6.93E-19 |
| rs3772934 | T | C | 0.011006 | -0.02723 | 0.018117 | 0.1329 | 0.001905 | 7.57E-09 |
| rs3800229 | T | G | 0.01535 | -0.01134 | 0.017768 | 0.5235 | 0.001924 | 1.49E-15 |
| rs3803286 | A | G | 0.016781 | 0.09508 | 0.017146 | 2.93E-08 | 0.001812 | 1.99E-20 |
| rs3814883 | T | C | 0.023371 | 0.068386 | 0.016826 | 4.82E-05 | 0.001701 | 5.79E-43 |
| rs3829849 | T | C | 0.012005 | 0.0008 | 0.017732 | 0.964 | 0.001755 | 7.84E-12 |
| rs3844598 | A | G | -0.01195 | -0.03853 | 0.016307 | 0.01813 | 0.001815 | 4.59E-11 |
| rs3851083 | A | G | -0.00929 | 0.012521 | 0.016553 | 0.4494 | 0.001619 | 9.47E-09 |
| rs3902951 | T | G | -0.01204 | -0.01379 | 0.019385 | 0.4767 | 0.002037 | 3.36E-09 |
| rs3915844 | A | G | 0.019691 | -0.05487 | 0.023966 | 0.02206 | 0.002711 | 3.75E-13 |
| rs39654 | A | G | -0.01544 | -0.01853 | 0.016962 | 0.2747 | 0.001709 | 1.66E-19 |
| rs40067 | A | G | -0.02302 | -0.03884 | 0.021463 | 0.07038 | 0.002345 | 9.41E-23 |
| rs40245 | A | T | 0.011683 | 0.022246 | 0.017193 | 0.1957 | 0.001803 | 9.19E-11 |
| rs4076358 | A | G | 0.010428 | -0.0031 | 0.01659 | 0.852 | 0.001727 | 1.57E-09 |
| rs411717 | T | C | -0.01058 | 0.00441 | 0.016526 | 0.7896 | 0.001762 | 1.89E-09 |
| rs427943 | A | C | -0.0166 | -0.0026 | 0.016974 | 0.8781 | 0.001781 | 1.15E-20 |
| rs4284600 | T | C | -0.01 | 0.010353 | 0.01641 | 0.5281 | 0.001728 | 7.16E-09 |
| rs4303732 | T | C | 0.013721 | -0.01603 | 0.016505 | 0.3315 | 0.001837 | 8.00E-14 |
| rs4342060 | T | C | -0.01971 | -0.02122 | 0.020618 | 0.3033 | 0.00255 | 1.09E-14 |
| rs450231 | A | G | -0.01418 | -0.01643 | 0.018767 | 0.3812 | 0.002027 | 2.59E-12 |
| rs4516268 | A | C | -0.01896 | 0.034074 | 0.021762 | 0.1174 | 0.002136 | 6.88E-19 |
| rs4518345 | A | G | -0.01186 | 0.009243 | 0.017989 | 0.6074 | 0.001901 | 4.41E-10 |
| rs4524456 | A | G | -0.01056 | -0.0243 | 0.016363 | 0.1375 | 0.001776 | 2.77E-09 |
| rs453520 | T | C | -0.01542 | -0.0246 | 0.016585 | 0.138 | 0.00172 | 3.13E-19 |
| rs4624596 | T | C | 0.013972 | 0.006924 | 0.02122 | 0.7442 | 0.002332 | 2.09E-09 |
| rs4670626 | T | C | -0.01198 | 0.007125 | 0.017161 | 0.678 | 0.001835 | 6.60E-11 |
| rs4671328 | T | G | 0.017623 | 0.008464 | 0.016405 | 0.6059 | 0.001977 | 4.93E-19 |
| rs4671358 | A | T | 0.014609 | -0.02286 | 0.01671 | 0.1713 | 0.00196 | 9.08E-14 |
| rs4722398 | T | C | 0.018239 | -0.01153 | 0.024491 | 0.6377 | 0.00258 | 1.55E-12 |
| rs4725984 | T | C | -0.01249 | -0.00807 | 0.017763 | 0.6497 | 0.001738 | 6.74E-13 |
| rs4744275 | A | G | 0.011428 | 0.011465 | 0.018513 | 0.5357 | 0.001889 | 1.46E-09 |
| rs4783241 | C | G | -0.01052 | 0.021664 | 0.016336 | 0.1848 | 0.001723 | 1.02E-09 |
| rs4796243 | A | G | -0.01253 | -0.02214 | 0.017703 | 0.211 | 0.001902 | 4.45E-11 |
| rs4820408 | T | G | 0.019638 | -0.0144 | 0.016448 | 0.3812 | 0.001913 | 9.87E-25 |
| rs4841659 | T | C | 0.11809 | -0.00558 | 0.017577 | 0.7507 | 0.003755 | ######## |
| rs4858193 | T | C | 0.012466 | 0.003594 | 0.018417 | 0.8453 | 0.00191 | 6.71E-11 |
| rs4864201 | T | C | 0.012762 | -0.01341 | 0.017222 | 0.4362 | 0.001712 | 8.90E-14 |
| rs487060 | T | C | 0.010552 | 0.001902 | 0.01614 | 0.9062 | 0.001621 | 7.64E-11 |
| rs4906908 | T | G | -0.01028 | -0.00688 | 0.016405 | 0.6751 | 0.001701 | 1.50E-09 |
| rs4936175 | T | C | -0.01296 | 0.004092 | 0.016292 | 0.8017 | 0.001705 | 3.03E-14 |
| rs4981693 | A | G | 0.0161 | 0.035078 | 0.019873 | 0.07755 | 0.002171 | 1.20E-13 |
| rs4986044 | T | C | -0.01587 | 0.014396 | 0.016868 | 0.3934 | 0.001608 | 5.61E-23 |
| rs543874 | A | G | -0.0475 | -0.00955 | 0.020331 | 0.6384 | 0.002072 | ######## |
| rs551137 | T | C | 0.059646 | -0.01054 | 0.01831 | 0.5647 | 0.005012 | 1.18E-32 |
| rs559267 | A | G | -0.01252 | 0.004589 | 0.017067 | 0.788 | 0.001709 | 2.34E-13 |
| rs573455 | A | G | -0.01169 | -0.01197 | 0.016481 | 0.4676 | 0.001681 | 3.57E-12 |
| rs587230 | A | G | 0.017981 | 0.002297 | 0.02248 | 0.9186 | 0.002426 | 1.25E-13 |
| rs6058635 | C | G | 0.026684 | -0.01054 | 0.016472 | 0.5221 | 0.003064 | 3.09E-18 |
| rs6060151 | T | G | -0.06189 | -0.00783 | 0.016879 | 0.6427 | 0.004294 | 4.31E-47 |
| rs621042 | A | C | -0.01094 | 0.005584 | 0.016313 | 0.7321 | 0.00171 | 1.58E-10 |
| rs6265 | T | C | -0.0356 | -0.00723 | 0.020611 | 0.7259 | 0.002248 | 1.70E-56 |
| rs629443 | T | G | 0.011116 | 0.001601 | 0.018933 | 0.9326 | 0.001905 | 5.34E-09 |
| rs6442101 | T | C | -0.01938 | -0.01278 | 0.017513 | 0.4655 | 0.001781 | 1.41E-27 |
| rs6443750 | T | C | -0.01314 | 0.0141 | 0.032397 | 0.6634 | 0.002112 | 4.88E-10 |
| rs6449531 | A | G | -0.01555 | -0.02654 | 0.01705 | 0.1195 | 0.001901 | 2.81E-16 |
| rs6461115 | A | G | 0.014559 | 0.0007 | 0.019655 | 0.9716 | 0.001921 | 3.50E-14 |
| rs6474945 | T | G | -0.01706 | -0.02313 | 0.016352 | 0.1572 | 0.001639 | 2.14E-25 |
| rs6477694 | T | C | -0.01226 | -0.03087 | 0.016948 | 0.06852 | 0.001772 | 4.57E-12 |
| rs6490055 | A | G | -0.05299 | 0.05638 | 0.019944 | 0.0047 | 0.004039 | 2.57E-39 |
| rs651548 | A | G | 0.012546 | -0.02927 | 0.016803 | 0.08155 | 0.001997 | 3.34E-10 |
| rs6545714 | A | G | -0.01988 | -0.01686 | 0.016701 | 0.3128 | 0.00172 | 6.68E-31 |
| rs6577584 | T | G | -0.01195 | -0.02956 | 0.016987 | 0.08184 | 0.001819 | 5.03E-11 |
| rs6595205 | C | G | 0.011584 | -0.0143 | 0.016425 | 0.3839 | 0.001621 | 8.92E-13 |
| rs663129 | A | G | 0.032735 | 0.002704 | 0.019232 | 0.8882 | 0.00276 | 1.92E-32 |
| rs6700838 | T | C | -0.01878 | -0.02286 | 0.016526 | 0.1666 | 0.001799 | 1.66E-25 |
| rs6711584 | A | G | 0.019489 | -0.001 | 0.017031 | 0.9532 | 0.001958 | 2.42E-23 |
| rs6720868 | T | C | 0.014201 | -0.00662 | 0.017374 | 0.7031 | 0.00183 | 8.60E-15 |
| rs6738445 | T | C | -0.01658 | 0.028811 | 0.018275 | 0.1149 | 0.002089 | 2.02E-15 |
| rs6764533 | A | G | 0.011026 | -0.03314 | 0.017499 | 0.05823 | 0.001803 | 9.61E-10 |
| rs676749 | A | T | -0.01261 | 0.002002 | 0.017381 | 0.9083 | 0.001804 | 2.79E-12 |
| rs6786582 | T | C | -0.06984 | 0.011237 | 0.018336 | 0.54 | 0.004371 | 1.81E-57 |
| rs6804842 | A | G | -0.0157 | -0.01774 | 0.016498 | 0.2822 | 0.001839 | 1.38E-17 |
| rs6827083 | A | G | -0.01241 | 0.004309 | 0.01647 | 0.7936 | 0.001778 | 2.90E-12 |
| rs6879326 | T | C | -0.01002 | 0.007869 | 0.016364 | 0.6306 | 0.001721 | 5.81E-09 |
| rs6888159 | C | G | 0.014245 | 0.005982 | 0.017666 | 0.7349 | 0.001872 | 2.73E-14 |
| rs6921533 | T | C | 0.012894 | -0.01558 | 0.018214 | 0.3924 | 0.001941 | 3.09E-11 |
| rs7006629 | T | C | 0.012324 | -0.01213 | 0.016213 | 0.4545 | 0.001757 | 2.32E-12 |
| rs7084454 | A | G | 0.019968 | 0.034177 | 0.017531 | 0.05123 | 0.001905 | 1.04E-25 |
| rs710355 | C | G | -0.02655 | 0.013998 | 0.037132 | 0.7062 | 0.003986 | 2.71E-11 |
| rs7124681 | A | C | 0.041148 | -0.02061 | 0.016673 | 0.2164 | 0.002077 | 2.61E-87 |
| rs7138803 | A | G | 0.028705 | 0.04051 | 0.016867 | 0.01632 | 0.002059 | 3.56E-44 |
| rs7144011 | T | G | 0.029663 | 0.027268 | 0.019807 | 0.1686 | 0.002416 | 1.22E-34 |
| rs7181498 | T | C | 0.015472 | -0.00896 | 0.016946 | 0.597 | 0.001813 | 1.42E-17 |
| rs7187776 | A | G | -0.02687 | -0.01461 | 0.016852 | 0.3861 | 0.001609 | 1.39E-62 |
| rs7195386 | T | C | 0.015343 | -0.01124 | 0.016289 | 0.4903 | 0.00177 | 4.46E-18 |
| rs7206608 | C | G | -0.01249 | -0.03046 | 0.017675 | 0.08483 | 0.001914 | 6.66E-11 |
| rs7211567 | T | C | -0.01545 | -0.02567 | 0.019541 | 0.189 | 0.002126 | 3.72E-13 |
| rs7334078 | T | C | 0.012914 | -0.00787 | 0.018424 | 0.6693 | 0.001934 | 2.45E-11 |
| rs733594 | T | C | 0.013627 | 0.010445 | 0.01834 | 0.569 | 0.001807 | 4.69E-14 |
| rs7444298 | A | G | 0.124411 | 0.008563 | 0.019041 | 0.6529 | 0.005011 | ######## |
| rs7531118 | T | C | -0.02211 | -0.01329 | 0.016958 | 0.4333 | 0.001791 | 5.13E-35 |
| rs7531656 | A | G | 0.019369 | -0.00568 | 0.017377 | 0.7436 | 0.001754 | 2.39E-28 |
| rs7535528 | A | G | -0.01456 | 0.070315 | 0.01686 | 3.04E-05 | 0.001802 | 6.52E-16 |
| rs7550711 | T | C | 0.063646 | -0.04898 | 0.048316 | 0.3107 | 0.00513 | 2.39E-35 |
| rs7557796 | T | C | 0.017553 | 0.015381 | 0.017172 | 0.3704 | 0.001843 | 1.65E-21 |
| rs7561278 | T | C | 0.015962 | 0.002297 | 0.021781 | 0.916 | 0.002125 | 5.87E-14 |
| rs7564679 | A | G | -0.01197 | -0.05287 | 0.016535 | 0.001385 | 0.001649 | 3.91E-13 |
| rs7598402 | C | G | 0.014543 | 0.002597 | 0.016506 | 0.875 | 0.001843 | 2.95E-15 |
| rs7599312 | A | G | -0.01785 | -0.01361 | 0.018278 | 0.4566 | 0.001968 | 1.20E-19 |
| rs7600699 | C | G | -0.01405 | -0.04772 | 0.040692 | 0.2409 | 0.002409 | 5.41E-09 |
| rs7607351 | T | C | 0.012081 | -0.03749 | 0.016583 | 0.02376 | 0.001701 | 1.24E-12 |
| rs7607490 | A | G | 0.017825 | -0.01203 | 0.026636 | 0.6516 | 0.002871 | 5.35E-10 |
| rs761423 | T | C | 0.012267 | 0.007528 | 0.016405 | 0.6463 | 0.001708 | 6.91E-13 |
| rs7615297 | C | G | 0.014283 | -0.0003 | 0.0266 | 0.991 | 0.002422 | 3.67E-09 |
| rs762147 | A | G | -0.01224 | 0.009554 | 0.018616 | 0.6078 | 0.001904 | 1.30E-10 |
| rs7640424 | T | C | -0.0125 | -0.00944 | 0.017975 | 0.5993 | 0.001849 | 1.40E-11 |
| rs765332 | T | G | -0.02464 | 0.051073 | 0.051337 | 0.3198 | 0.0033 | 8.25E-14 |
| rs7674623 | T | C | 0.015041 | -0.03575 | 0.020599 | 0.08262 | 0.00224 | 1.88E-11 |
| rs7683836 | A | G | -0.01158 | -0.01654 | 0.016454 | 0.3149 | 0.001702 | 1.02E-11 |
| rs7692088 | C | G | 0.010344 | 0.008738 | 0.016339 | 0.5928 | 0.001781 | 6.31E-09 |
| rs7694732 | A | G | 0.011496 | 0.007671 | 0.016386 | 0.6397 | 0.001769 | 8.14E-11 |
| rs7711753 | A | G | -0.01442 | 0.022153 | 0.016367 | 0.1759 | 0.001622 | 6.25E-19 |
| rs7715256 | T | G | -0.01501 | -0.00757 | 0.016429 | 0.6449 | 0.001658 | 1.36E-19 |
| rs7730004 | T | C | 0.011797 | -0.04114 | 0.017423 | 0.01821 | 0.001933 | 1.04E-09 |
| rs775731 | T | C | -0.01072 | -0.00707 | 0.016586 | 0.6697 | 0.001703 | 3.05E-10 |
| rs7779498 | T | C | -0.03283 | -0.09876 | 0.053688 | 0.06584 | 0.004639 | 1.47E-12 |
| rs7805441 | T | C | 0.012661 | -0.00499 | 0.016119 | 0.757 | 0.001758 | 5.91E-13 |
| rs785278 | A | T | -0.01476 | -0.06316 | 0.021622 | 0.003486 | 0.002312 | 1.71E-10 |
| rs7893571 | T | G | 0.013617 | 0.029326 | 0.017338 | 0.09075 | 0.001801 | 4.07E-14 |
| rs7899106 | A | G | -0.03169 | -0.07203 | 0.037872 | 0.05717 | 0.003722 | 1.67E-17 |
| rs7903146 | T | C | -0.0131 | 0.032833 | 0.018045 | 0.06884 | 0.001995 | 5.17E-11 |
| rs7919 | A | C | -0.01206 | -0.00582 | 0.016655 | 0.7269 | 0.001779 | 1.18E-11 |
| rs793520 | A | G | 0.012379 | -0.05594 | 0.017597 | 0.001479 | 0.001932 | 1.49E-10 |
| rs7941030 | T | C | -0.01114 | -0.06946 | 0.016624 | 2.94E-05 | 0.001704 | 6.15E-11 |
| rs7968230 | A | G | 0.01201 | 0.01796 | 0.017923 | 0.3163 | 0.001825 | 4.70E-11 |
| rs7975187 | A | G | -0.0137 | -0.01755 | 0.020205 | 0.3852 | 0.002106 | 7.79E-11 |
| rs8016771 | T | G | -0.02172 | -0.0005 | 0.02733 | 0.9854 | 0.003136 | 4.33E-12 |
| rs8036040 | A | C | 0.010949 | 0.029532 | 0.016218 | 0.06862 | 0.001702 | 1.24E-10 |
| rs8071182 | A | G | 0.013406 | -0.00965 | 0.022236 | 0.6642 | 0.002202 | 1.14E-09 |
| rs8097544 | A | G | -0.02112 | 0.004689 | 0.022891 | 0.8377 | 0.002504 | 3.35E-17 |
| rs8102137 | T | C | -0.01869 | -0.01643 | 0.017621 | 0.351 | 0.001805 | 4.01E-25 |
| rs8123881 | A | G | -0.02216 | 0.021174 | 0.024145 | 0.3805 | 0.00246 | 2.15E-19 |
| rs816364 | A | G | -0.01113 | 0.026642 | 0.01702 | 0.1175 | 0.001898 | 4.44E-09 |
| rs823074 | T | C | 0.011777 | -0.00884 | 0.016582 | 0.594 | 0.001702 | 4.55E-12 |
| rs845084 | A | G | 0.012897 | 0.019508 | 0.018319 | 0.2869 | 0.002022 | 1.81E-10 |
| rs849135 | A | G | 0.011728 | -0.04259 | 0.016271 | 0.008848 | 0.001618 | 4.22E-13 |
| rs853679 | A | C | 0.072829 | 0.064476 | 0.023362 | 0.005783 | 0.004195 | 1.59E-67 |
| rs874454 | A | G | -0.01386 | -0.00449 | 0.017499 | 0.7975 | 0.002137 | 8.82E-11 |
| rs884282 | T | C | -0.01076 | -0.02528 | 0.016363 | 0.1224 | 0.00176 | 9.82E-10 |
| rs895330 | C | G | 0.019885 | 0.033531 | 0.022572 | 0.1374 | 0.002311 | 7.79E-18 |
| rs900144 | T | C | 0.016078 | -0.00592 | 0.016545 | 0.7206 | 0.001715 | 7.08E-21 |
| rs902695 | A | G | -0.01364 | 0.0002 | 0.019949 | 0.992 | 0.001841 | 1.29E-13 |
| rs905938 | T | C | -0.01605 | -0.00817 | 0.01909 | 0.6688 | 0.002019 | 1.86E-15 |
| rs925018 | C | G | -0.01153 | 0.027226 | 0.017317 | 0.1159 | 0.001824 | 2.63E-10 |
| rs9291467 | T | C | 0.012919 | 0.028399 | 0.01642 | 0.0837 | 0.001729 | 8.05E-14 |
| rs9294260 | A | G | 0.013225 | 0.032523 | 0.016426 | 0.04771 | 0.001706 | 9.09E-15 |
| rs9362662 | A | G | 0.011175 | -0.01898 | 0.016321 | 0.2449 | 0.001859 | 1.85E-09 |
| rs9367368 | T | C | 0.013817 | 0.013389 | 0.017744 | 0.4505 | 0.001829 | 4.25E-14 |
| rs9394312 | C | G | 0.048342 | -0.0007 | 0.016723 | 0.9666 | 0.00337 | 1.17E-46 |
| rs9426003 | A | G | -0.01119 | -0.01114 | 0.018224 | 0.5411 | 0.001901 | 3.96E-09 |
| rs9460306 | T | C | 0.019176 | -0.03382 | 0.029296 | 0.2483 | 0.003163 | 1.34E-09 |
| rs9530843 | A | C | 0.013961 | -0.0026 | 0.017158 | 0.8794 | 0.001846 | 3.98E-14 |
| rs954018 | A | G | -0.01402 | 0.025831 | 0.017688 | 0.1442 | 0.001811 | 9.65E-15 |
| rs9540493 | A | G | 0.016911 | -0.00866 | 0.019471 | 0.6564 | 0.001789 | 3.25E-21 |
| rs9554263 | C | G | -0.01223 | -0.01572 | 0.020326 | 0.4392 | 0.002109 | 6.76E-09 |
| rs9595908 | T | C | 0.015769 | 0.017054 | 0.016767 | 0.3091 | 0.001701 | 1.82E-20 |
| rs9603697 | T | C | 0.014785 | 0.052346 | 0.017162 | 0.002288 | 0.001809 | 2.99E-16 |
| rs9615905 | T | C | 0.010324 | 0.027885 | 0.016577 | 0.09254 | 0.001733 | 2.57E-09 |
| rs967605 | T | C | -0.0173 | 0.026447 | 0.022179 | 0.2331 | 0.002381 | 3.68E-13 |
| rs9714342 | T | C | -0.03858 | -0.0023 | 0.018343 | 0.9001 | 0.002795 | 2.41E-43 |
| rs9809534 | C | G | 0.016371 | 0.065226 | 0.024592 | 0.007994 | 0.002611 | 3.62E-10 |
| rs9814633 | A | G | 0.012909 | 0.018368 | 0.017165 | 0.2846 | 0.001823 | 1.44E-12 |
| rs9816226 | A | T | -0.02349 | 0.010252 | 0.021345 | 0.631 | 0.002684 | 2.08E-18 |
| rs9927848 | A | C | -0.01303 | 0.026545 | 0.018517 | 0.1517 | 0.002007 | 8.43E-11 |
| rs9931164 | A | G | 0.080173 | 0.073065 | 0.064067 | 0.2541 | 0.006265 | 1.71E-37 |
| rs993954 | T | G | 0.01153 | 0.007472 | 0.016307 | 0.6468 | 0.001955 | 3.66E-09 |
| rs998732 | A | G | 0.016297 | -0.04333 | 0.022009 | 0.04901 | 0.00225 | 4.33E-13 |