

**Supplementary Table SV.** Information on SNPs of 18 inflammatory proteins.

| ID.Exposure  | SNP        | EA | OA | EAF    | Beta    | P        | F  |
|--------------|------------|----|----|--------|---------|----------|----|
| GCST90274762 | rs12030576 | T  | G  | 0.3499 | -0.0698 | 1.77E-09 | 36 |
| GCST90274762 | rs1927969  | A  | G  | 0.4507 | -0.0702 | 2.70E-09 | 35 |
| GCST90274762 | rs1927970  | A  | G  | 0.5089 | -0.0726 | 7.63E-10 | 38 |
| GCST90274762 | rs2057127  | C  | G  | 0.6229 | 0.0719  | 2.84E-10 | 40 |
| GCST90274762 | rs3118858  | T  | C  | 0.3298 | 0.0648  | 3.98E-08 | 30 |
| GCST90274762 | rs3118869  | A  | C  | 0.4403 | -0.0723 | 1.24E-09 | 37 |
| GCST90274762 | rs1927979  | A  | G  | 0.4441 | -0.0748 | 2.31E-10 | 40 |
| GCST90274762 | rs11583027 | A  | C  | 0.3798 | -0.0761 | 6.13E-10 | 38 |
| GCST90274762 | rs3118874  | T  | G  | 0.5479 | 0.072   | 1.05E-09 | 37 |
| GCST90274762 | rs2274611  | T  | C  | 0.4436 | -0.0747 | 2.44E-10 | 40 |
| GCST90274762 | rs3118871  | T  | G  | 0.4939 | 0.0767  | 8.03E-11 | 42 |
| GCST90274762 | rs3118872  | T  | C  | 0.5108 | 0.075   | 2.07E-10 | 40 |
| GCST90274762 | rs3118840  | A  | G  | 0.5544 | -0.0749 | 4.33E-10 | 39 |
| GCST90274762 | rs3128513  | T  | G  | 0.452  | -0.0722 | 9.44E-10 | 37 |
| GCST90274762 | rs3128514  | A  | C  | 0.5076 | -0.0738 | 3.99E-10 | 39 |
| GCST90274762 | rs3128516  | T  | C  | 0.5489 | 0.0701  | 3.84E-09 | 35 |
| GCST90274762 | rs3128517  | T  | C  | 0.4965 | -0.0775 | 5.11E-11 | 43 |
| GCST90274762 | rs3128518  | A  | G  | 0.5112 | 0.0692  | 6.47E-10 | 38 |
| GCST90274762 | rs3128489  | T  | G  | 0.6702 | -0.0644 | 4.83E-08 | 30 |
| GCST90274762 | rs2378754  | T  | C  | 0.6712 | -0.0647 | 4.18E-08 | 30 |
| GCST90274762 | rs2378757  | A  | C  | 0.3618 | 0.0658  | 1.05E-08 | 33 |
| GCST90274762 | rs2378778  | A  | G  | 0.4923 | -0.074  | 3.58E-10 | 39 |
| GCST90274762 | rs2747063  | T  | C  | 0.5479 | -0.0664 | 2.20E-09 | 36 |
| GCST90274762 | rs3118838  | T  | C  | 0.4935 | 0.0695  | 5.46E-10 | 39 |
| GCST90274762 | rs3118839  | T  | C  | 0.4909 | 0.0682  | 1.13E-09 | 37 |
| GCST90274762 | rs1056719  | A  | G  | 0.6387 | -0.0653 | 1.02E-08 | 33 |
| GCST90274762 | rs3128512  | A  | G  | 0.5093 | -0.0747 | 2.44E-10 | 40 |
| GCST90274762 | rs3128507  | A  | G  | 0.3742 | 0.0722  | 2.42E-09 | 36 |
| GCST90274762 | rs41332045 | A  | G  | 0.9966 | -1.259  | 4.64E-08 | 30 |

|              |           |   |   |        |         |          |    |
|--------------|-----------|---|---|--------|---------|----------|----|
| GCST90274762 | rs3128496 | A | C | 0.67   | -0.0648 | 3.05E-08 | 31 |
| GCST90274762 | rs3128506 | T | C | 0.5166 | -0.0692 | 4.51E-09 | 34 |
| GCST90274762 | rs6327    | T | C | 0.4474 | 0.0665  | 1.49E-09 | 37 |
| GCST90274762 | rs3128508 | A | G | 0.5109 | 0.0766  | 8.50E-11 | 42 |
| GCST90274762 | rs3128509 | A | G | 0.4128 | 0.0705  | 3.13E-09 | 35 |
| GCST90274762 | rs3128510 | A | C | 0.5464 | 0.0736  | 4.45E-10 | 39 |
| GCST90274762 | rs9410942 | T | G | 0.5471 | 0.0716  | 1.78E-09 | 36 |
| GCST90274762 | rs6328    | A | C | 0.3498 | -0.0797 | 6.46E-11 | 43 |
| GCST90274762 | rs6330    | A | G | 0.4477 | 0.0664  | 1.58E-09 | 36 |
| GCST90274762 | rs4468014 | A | C | 0.4917 | 0.0739  | 3.78E-10 | 39 |
| GCST90274762 | rs6656381 | A | T | 0.3449 | -0.0722 | 6.79E-10 | 38 |
| GCST90274765 | rs9275505 | A | G | 0.7796 | 0.086   | 2.34E-09 | 36 |
| GCST90274765 | rs9275511 | A | G | 0.4573 | -0.0793 | 2.67E-11 | 44 |
| GCST90274765 | rs9275108 | A | G | 0.2382 | 0.0939  | 1.02E-11 | 46 |
| GCST90274765 | rs9274852 | A | G | 0.2755 | 0.1025  | 8.37E-10 | 38 |
| GCST90274765 | rs9275072 | T | C | 0.2369 | 0.0881  | 8.50E-09 | 33 |
| GCST90274765 | rs9275506 | A | G | 0.2278 | -0.089  | 3.77E-09 | 35 |
| GCST90274765 | rs9275000 | T | C | 0.3052 | 0.0794  | 2.82E-08 | 31 |
| GCST90274765 | rs9275025 | A | T | 0.7581 | -0.1337 | 8.62E-10 | 38 |
| GCST90274765 | rs9275077 | T | C | 0.7612 | -0.0891 | 5.76E-09 | 34 |
| GCST90274765 | rs9274985 | A | G | 0.2429 | 0.0879  | 1.75E-08 | 32 |
| GCST90274765 | rs9274843 | A | G | 0.5717 | -0.0877 | 1.53E-08 | 32 |
| GCST90274765 | rs9274847 | A | G | 0.7535 | -0.1001 | 4.50E-08 | 30 |
| GCST90274765 | rs9275110 | T | C | 0.7606 | -0.0934 | 1.30E-11 | 46 |
| GCST90274765 | rs9275100 | A | G | 0.7617 | -0.0928 | 1.76E-11 | 45 |
| GCST90274765 | rs9275121 | A | G | 0.7609 | -0.0931 | 1.52E-11 | 46 |
| GCST90274765 | rs9275122 | T | C | 0.7609 | -0.0943 | 8.30E-12 | 47 |
| GCST90274765 | rs9275132 | A | G | 0.2355 | 0.095   | 1.16E-11 | 46 |
| GCST90274765 | rs9275064 | T | C | 0.2386 | 0.0912  | 3.18E-09 | 35 |
| GCST90274765 | rs9275345 | T | C | 0.226  | -0.0929 | 1.26E-09 | 37 |
| GCST90274765 | rs2854277 | T | C | 0.1216 | -0.1287 | 4.11E-11 | 44 |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs9275107  | A | G | 0.7617 | -0.0933 | 1.37E-11 | 46  |
| GCST90274765 | rs9275339  | A | G | 0.2224 | -0.0882 | 1.02E-08 | 33  |
| GCST90274765 | rs9274854  | T | C | 0.249  | 0.1205  | 3.28E-12 | 49  |
| GCST90274765 | rs9274856  | T | C | 0.2487 | 0.1166  | 1.18E-10 | 41  |
| GCST90274765 | rs9274892  | A | G | 0.7465 | -0.1066 | 2.82E-08 | 31  |
| GCST90274765 | rs28421666 | A | G | 0.939  | -0.4858 | 2.47E-61 | 273 |
| GCST90274765 | rs2844506  | T | C | 0.2791 | 0.0749  | 1.39E-08 | 32  |
| GCST90274765 | rs9275066  | T | C | 0.2383 | 0.0913  | 3.06E-09 | 35  |
| GCST90274765 | rs9275075  | A | G | 0.2356 | 0.0884  | 7.57E-09 | 33  |
| GCST90274765 | rs2844505  | T | C | 0.72   | -0.0739 | 2.16E-08 | 31  |
| GCST90274765 | rs28534011 | A | G | 0.0611 | 0.4884  | 3.13E-55 | 245 |
| GCST90274765 | rs2854275  | A | C | 0.1251 | -0.1336 | 9.34E-12 | 46  |
| GCST90274765 | rs9275156  | T | C | 0.7448 | -0.0869 | 3.03E-10 | 40  |
| GCST90274765 | rs9275159  | T | C | 0.2496 | 0.0921  | 2.13E-10 | 40  |
| GCST90274765 | rs2856683  | T | G | 0.761  | -0.0944 | 5.56E-12 | 47  |
| GCST90274765 | rs2856688  | T | G | 0.2392 | 0.0934  | 9.26E-12 | 46  |
| GCST90274765 | rs9275111  | T | G | 0.2391 | 0.0937  | 1.12E-11 | 46  |
| GCST90274765 | rs2856692  | T | G | 0.7616 | -0.0931 | 1.08E-11 | 46  |
| GCST90274765 | rs2856698  | C | G | 0.6951 | 0.0882  | 1.16E-11 | 46  |
| GCST90274765 | rs2856724  | A | G | 0.7321 | 0.0943  | 2.47E-10 | 40  |
| GCST90274765 | rs2844507  | T | C | 0.256  | 0.0768  | 2.07E-08 | 31  |
| GCST90274765 | rs28445646 | C | G | 0.9183 | -0.2689 | 2.45E-20 | 85  |
| GCST90274765 | rs9275076  | C | G | 0.7638 | -0.0884 | 7.57E-09 | 33  |
| GCST90274765 | rs9275187  | T | C | 0.6065 | -0.0843 | 6.11E-09 | 34  |
| GCST90274765 | rs41489451 | T | G | 0.0623 | 0.5277  | 2.32E-60 | 269 |
| GCST90274765 | rs41519045 | A | G | 0.8261 | -0.0863 | 2.58E-08 | 31  |
| GCST90274765 | rs4286817  | A | G | 0.2087 | 0.1175  | 1.47E-13 | 55  |
| GCST90274765 | rs4311504  | C | G | 0.7729 | 0.0886  | 3.49E-09 | 35  |
| GCST90274765 | rs4392743  | T | C | 0.8873 | 0.1048  | 4.09E-08 | 30  |
| GCST90274765 | rs4412247  | A | G | 0.2099 | 0.0958  | 5.32E-11 | 43  |
| GCST90274765 | rs4496841  | T | C | 0.7036 | -0.1438 | 4.92E-28 | 120 |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs9274880   | A | G | 0.5918 | -0.1009 | 4.71E-10 | 39  |
| GCST90274765 | rs2844486   | A | G | 0.3967 | 0.0758  | 2.67E-10 | 40  |
| GCST90274765 | rs9275134   | C | G | 0.7614 | -0.094  | 9.65E-12 | 46  |
| GCST90274765 | rs9275140   | A | G | 0.2445 | 0.093   | 1.13E-11 | 46  |
| GCST90274765 | rs28524729  | A | G | 0.8326 | -0.1107 | 1.78E-12 | 50  |
| GCST90274765 | rs28451714  | T | G | 0.1647 | 0.0928  | 1.86E-08 | 32  |
| GCST90274765 | rs373813924 | T | G | 0.0638 | 0.4884  | 1.46E-49 | 219 |
| GCST90274765 | rs3749967   | T | C | 0.92   | -0.2906 | 1.03E-31 | 137 |
| GCST90274765 | rs375729683 | T | C | 0.8934 | 0.2284  | 1.50E-27 | 118 |
| GCST90274765 | rs2856674   | A | G | 0.8733 | 0.1292  | 5.28E-13 | 52  |
| GCST90274765 | rs3762673   | A | G | 0.5134 | 0.0736  | 2.23E-10 | 40  |
| GCST90274765 | rs3763321   | T | G | 0.1966 | 0.105   | 2.56E-12 | 49  |
| GCST90274765 | rs2856691   | A | G | 0.2413 | 0.0956  | 2.99E-12 | 49  |
| GCST90274765 | rs3763323   | T | C | 0.8503 | -0.117  | 6.31E-11 | 43  |
| GCST90274765 | rs3763327   | C | G | 0.5832 | -0.0822 | 7.38E-12 | 47  |
| GCST90274765 | rs36215042  | A | G | 0.8408 | -0.1265 | 6.80E-10 | 38  |
| GCST90274765 | rs369359253 | T | C | 0.1061 | -0.2308 | 4.25E-28 | 121 |
| GCST90274765 | rs371537406 | T | G | 0.936  | -0.4783 | 3.28E-50 | 222 |
| GCST90274765 | rs9275144   | A | T | 0.246  | 0.0938  | 7.56E-12 | 47  |
| GCST90274765 | rs9275149   | T | C | 0.2439 | 0.0944  | 7.89E-12 | 47  |
| GCST90274765 | rs9275150   | A | G | 0.7527 | -0.0939 | 7.18E-12 | 47  |
| GCST90274765 | rs28589559  | T | G | 0.1756 | 0.0916  | 1.27E-08 | 32  |
| GCST90274765 | rs28624101  | T | C | 0.7555 | -0.1448 | 6.97E-15 | 61  |
| GCST90274765 | rs28635391  | A | G | 0.0631 | 0.4974  | 6.06E-52 | 230 |
| GCST90274765 | rs28645249  | T | C | 0.2561 | 0.1319  | 1.72E-13 | 54  |
| GCST90274765 | rs9275164   | T | C | 0.7514 | -0.0942 | 1.10E-10 | 42  |
| GCST90274765 | rs9275171   | A | G | 0.737  | -0.0827 | 5.03E-10 | 39  |
| GCST90274765 | rs9275175   | A | G | 0.2628 | 0.0827  | 5.03E-10 | 39  |
| GCST90274765 | rs3804636   | A | G | 0.8812 | 0.2171  | 1.83E-32 | 141 |
| GCST90274765 | rs28568890  | A | G | 0.8391 | -0.1605 | 1.60E-14 | 59  |
| GCST90274765 | rs2857602   | A | G | 0.6033 | -0.0758 | 2.67E-10 | 40  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs9275182   | T | C | 0.2377 | 0.0938  | 1.07E-11 | 46  |
| GCST90274765 | rs41272321  | T | G | 0.8809 | 0.2142  | 1.20E-31 | 137 |
| GCST90274765 | rs9274815   | A | G | 0.6274 | -0.1129 | 1.41E-10 | 41  |
| GCST90274765 | rs9274834   | A | G | 0.5637 | -0.0851 | 3.28E-08 | 31  |
| GCST90274765 | rs9274842   | A | T | 0.2494 | 0.1168  | 8.65E-11 | 42  |
| GCST90274765 | rs2839779   | A | G | 0.5257 | 0.0748  | 1.62E-10 | 41  |
| GCST90274765 | rs28417660  | T | C | 0.0621 | 0.4945  | 7.19E-54 | 239 |
| GCST90274765 | rs575662827 | T | C | 0.8453 | -0.2103 | 8.71E-20 | 83  |
| GCST90274765 | rs2844483   | T | G | 0.3976 | 0.0759  | 2.53E-10 | 40  |
| GCST90274765 | rs2844484   | A | G | 0.3975 | 0.0751  | 3.89E-10 | 39  |
| GCST90274765 | rs2844485   | A | G | 0.3971 | 0.0758  | 2.67E-10 | 40  |
| GCST90274765 | rs36096565  | A | G | 0.8225 | 0.097   | 4.13E-09 | 35  |
| GCST90274765 | rs58075577  | C | G | 0.9743 | -0.249  | 9.96E-11 | 42  |
| GCST90274765 | rs58110932  | A | T | 0.8931 | -0.2022 | 1.75E-24 | 104 |
| GCST90274765 | rs371989651 | T | C | 0.9309 | -0.4626 | 7.96E-49 | 216 |
| GCST90274765 | rs372332783 | T | C | 0.0638 | 0.4814  | 6.17E-50 | 221 |
| GCST90274765 | rs59129682  | A | T | 0.0988 | 0.193   | 3.06E-21 | 90  |
| GCST90274765 | rs59145501  | T | C | 0.9748 | -0.2413 | 5.54E-10 | 38  |
| GCST90274765 | rs3762672   | T | G | 0.4879 | -0.0745 | 1.34E-10 | 41  |
| GCST90274765 | rs59281193  | T | C | 0.1012 | 0.2216  | 2.84E-24 | 103 |
| GCST90274765 | rs59400022  | A | T | 0.1001 | 0.1916  | 2.16E-18 | 77  |
| GCST90274765 | rs3763322   | A | G | 0.3925 | -0.0756 | 4.16E-10 | 39  |
| GCST90274765 | rs59426843  | T | C | 0.7573 | 0.1343  | 2.76E-18 | 76  |
| GCST90274765 | rs597808    | A | G | 0.4779 | 0.0789  | 3.91E-09 | 35  |
| GCST90274765 | rs59894631  | A | C | 0.232  | 0.1317  | 1.43E-12 | 50  |
| GCST90274765 | rs3816529   | C | G | 0.1182 | -0.2266 | 7.50E-35 | 152 |
| GCST90274765 | rs3817965   | A | G | 0.8001 | -0.0815 | 4.51E-08 | 30  |
| GCST90274765 | rs2857710   | T | C | 0.6041 | -0.0758 | 2.67E-10 | 40  |
| GCST90274765 | rs2858327   | A | G | 0.8662 | -0.196  | 8.35E-29 | 124 |
| GCST90274765 | rs2858864   | T | C | 0.2736 | -0.0809 | 2.71E-09 | 35  |
| GCST90274765 | rs3860499   | A | G | 0.6211 | 0.0753  | 6.74E-10 | 38  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs3914289  | T | C | 0.3324 | -0.082  | 2.83E-10 | 40  |
| GCST90274765 | rs3997872  | A | T | 0.1689 | -0.0904 | 1.30E-08 | 32  |
| GCST90274765 | rs3997873  | T | G | 0.8472 | -0.1228 | 1.39E-13 | 55  |
| GCST90274765 | rs3998182  | T | C | 0.7666 | 0.0845  | 2.19E-08 | 31  |
| GCST90274765 | rs3998183  | T | C | 0.2466 | -0.0878 | 6.08E-09 | 34  |
| GCST90274765 | rs4110707  | C | G | 0.9398 | -0.5182 | 3.48E-61 | 272 |
| GCST90274765 | rs41268942 | A | G | 0.8103 | 0.1111  | 1.25E-11 | 46  |
| GCST90274765 | rs9275179  | A | G | 0.7513 | -0.0879 | 9.19E-09 | 33  |
| GCST90274765 | rs9275181  | A | G | 0.7567 | -0.0983 | 1.66E-11 | 45  |
| GCST90274765 | rs41269955 | A | G | 0.1784 | -0.1074 | 3.37E-11 | 44  |
| GCST90274765 | rs9274793  | T | C | 0.7514 | -0.1175 | 6.68E-11 | 43  |
| GCST90274765 | rs28732247 | A | G | 0.5885 | 0.0672  | 4.67E-08 | 30  |
| GCST90274765 | rs28800295 | T | G | 0.9465 | 0.1895  | 3.24E-12 | 49  |
| GCST90274765 | rs28895264 | T | C | 0.4222 | -0.0722 | 3.56E-08 | 30  |
| GCST90274765 | rs28895266 | A | G | 0.5778 | 0.0726  | 2.99E-08 | 31  |
| GCST90274765 | rs2894251  | A | G | 0.8774 | 0.1103  | 2.04E-09 | 36  |
| GCST90274765 | rs2894256  | A | C | 0.4257 | -0.0705 | 3.13E-09 | 35  |
| GCST90274765 | rs2935907  | A | T | 0.0615 | 0.4613  | 9.28E-55 | 243 |
| GCST90274765 | rs2937382  | T | C | 0.833  | -0.1167 | 1.16E-11 | 46  |
| GCST90274765 | rs4504509  | T | C | 0.1952 | 0.1059  | 1.67E-12 | 50  |
| GCST90274765 | rs4516986  | C | G | 0.2222 | -0.0866 | 1.40E-09 | 37  |
| GCST90274765 | rs4538748  | T | C | 0.6141 | -0.085  | 2.14E-12 | 49  |
| GCST90274765 | rs4568494  | A | G | 0.8354 | -0.0922 | 2.30E-08 | 31  |
| GCST90274765 | rs58302219 | A | C | 0.0819 | 0.312   | 6.87E-41 | 179 |
| GCST90274765 | rs58415233 | T | G | 0.9749 | -0.2429 | 4.72E-10 | 39  |
| GCST90274765 | rs59066278 | T | C | 0.295  | 0.0924  | 4.57E-08 | 30  |
| GCST90274765 | rs9271348  | A | G | 0.7173 | -0.1083 | 2.31E-16 | 67  |
| GCST90274765 | rs592362   | A | G | 0.7485 | 0.0909  | 4.49E-11 | 43  |
| GCST90274765 | rs9271352  | T | C | 0.7639 | 0.0857  | 7.03E-10 | 38  |
| GCST90274765 | rs9271353  | T | C | 0.1525 | 0.1257  | 3.67E-14 | 57  |
| GCST90274765 | rs59417728 | A | T | 0.1366 | 0.1431  | 3.84E-17 | 71  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs9271363  | C | G | 0.7988 | -0.2325 | 6.83E-55 | 243 |
| GCST90274765 | rs9271364  | A | G | 0.4883 | 0.1209  | 4.98E-25 | 107 |
| GCST90274765 | rs9271365  | T | G | 0.5841 | 0.1229  | 5.28E-25 | 107 |
| GCST90274765 | rs59967381 | A | G | 0.1498 | 0.1206  | 1.93E-13 | 54  |
| GCST90274765 | rs60036207 | T | C | 0.0988 | 0.1925  | 3.86E-21 | 89  |
| GCST90274765 | rs3828840  | T | C | 0.295  | 0.0894  | 4.06E-09 | 35  |
| GCST90274765 | rs3828889  | T | C | 0.2794 | 0.0765  | 6.81E-09 | 34  |
| GCST90274765 | rs3849409  | T | G | 0.5127 | 0.0773  | 3.93E-11 | 44  |
| GCST90274765 | rs601945   | A | G | 0.8319 | 0.0889  | 2.26E-08 | 31  |
| GCST90274765 | rs60234039 | C | G | 0.8933 | -0.2014 | 2.65E-24 | 103 |
| GCST90274765 | rs602457   | T | C | 0.8348 | 0.0965  | 4.00E-09 | 35  |
| GCST90274765 | rs607998   | A | G | 0.2294 | -0.086  | 7.84E-09 | 33  |
| GCST90274765 | rs61292904 | A | G | 0.8596 | 0.1813  | 5.61E-26 | 111 |
| GCST90274765 | rs61364254 | T | C | 0.242  | -0.1343 | 2.76E-18 | 76  |
| GCST90274765 | rs617058   | T | G | 0.25   | -0.0931 | 7.62E-12 | 47  |
| GCST90274765 | rs28703977 | T | C | 0.3362 | 0.069   | 4.35E-08 | 30  |
| GCST90274765 | rs28718904 | A | G | 0.8229 | -0.0999 | 4.19E-09 | 35  |
| GCST90274765 | rs41269945 | A | T | 0.8226 | 0.108   | 1.48E-11 | 46  |
| GCST90274765 | rs28724203 | A | C | 0.1157 | 0.2257  | 1.52E-15 | 64  |
| GCST90274765 | rs28732242 | A | G | 0.4585 | -0.0739 | 1.01E-08 | 33  |
| GCST90274765 | rs9271599  | A | C | 0.4517 | 0.0786  | 6.06E-10 | 38  |
| GCST90274765 | rs9271608  | A | G | 0.8289 | 0.0919  | 7.48E-09 | 33  |
| GCST90274765 | rs9271611  | A | G | 0.6167 | 0.0926  | 3.20E-14 | 58  |
| GCST90274765 | rs9271612  | A | G | 0.7711 | 0.0879  | 3.65E-09 | 35  |
| GCST90274765 | rs9271613  | T | C | 0.2319 | -0.0886 | 2.47E-10 | 40  |
| GCST90274765 | rs9271615  | A | G | 0.5029 | 0.1017  | 3.18E-15 | 62  |
| GCST90274765 | rs9271619  | A | G | 0.2292 | -0.0878 | 3.80E-09 | 35  |
| GCST90274765 | rs9271622  | A | G | 0.7702 | -0.2088 | 3.39E-45 | 199 |
| GCST90274765 | rs9271626  | A | C | 0.223  | -0.0907 | 6.83E-10 | 38  |
| GCST90274765 | rs9271627  | T | C | 0.2419 | -0.0824 | 4.84E-08 | 30  |
| GCST90274765 | rs9271631  | A | G | 0.2091 | 0.2282  | 1.86E-48 | 214 |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs9271640   | T | C | 0.2219 | 0.2137  | 8.04E-50 | 220 |
| GCST90274765 | rs4612206   | T | C | 0.3875 | -0.066  | 4.91E-08 | 30  |
| GCST90274765 | rs4632888   | T | C | 0.916  | -0.2579 | 1.15E-29 | 128 |
| GCST90274765 | rs4713534   | T | G | 0.1687 | -0.0928 | 1.53E-08 | 32  |
| GCST90274765 | rs4713535   | T | C | 0.0635 | 0.4863  | 5.36E-69 | 308 |
| GCST90274765 | rs9271351   | C | G | 0.1529 | 0.1254  | 4.21E-14 | 57  |
| GCST90274765 | rs9271509   | A | G | 0.188  | -0.1033 | 1.40E-10 | 41  |
| GCST90274765 | rs9271513   | C | G | 0.2097 | 0.2246  | 5.37E-47 | 207 |
| GCST90274765 | rs9271354   | T | C | 0.8457 | -0.1265 | 2.53E-14 | 58  |
| GCST90274765 | rs56105263  | T | C | 0.9746 | -0.254  | 7.38E-11 | 42  |
| GCST90274765 | rs56111069  | T | C | 0.7588 | 0.1328  | 6.50E-18 | 74  |
| GCST90274765 | rs561689382 | T | G | 0.4309 | 0.0877  | 5.00E-12 | 48  |
| GCST90274765 | rs9271366   | A | G | 0.8474 | -0.1259 | 3.34E-14 | 58  |
| GCST90274765 | rs9271367   | A | G | 0.6989 | -0.1338 | 3.32E-25 | 108 |
| GCST90274765 | rs60045856  | T | G | 0.8913 | 0.1184  | 8.53E-10 | 38  |
| GCST90274765 | rs60074228  | T | C | 0.8376 | 0.1614  | 4.09E-23 | 98  |
| GCST90274765 | rs60155930  | A | C | 0.0251 | 0.2426  | 4.96E-10 | 39  |
| GCST90274765 | rs9271382   | A | G | 0.5893 | -0.1179 | 6.27E-20 | 84  |
| GCST90274765 | rs9271389   | T | C | 0.4124 | 0.1192  | 2.46E-20 | 85  |
| GCST90274765 | rs9271399   | T | C | 0.5832 | -0.1206 | 2.26E-19 | 81  |
| GCST90274765 | rs9271402   | T | C | 0.7435 | 0.0887  | 4.25E-09 | 35  |
| GCST90274765 | rs9271412   | T | C | 0.2779 | -0.0847 | 1.45E-09 | 37  |
| GCST90274765 | rs9271413   | A | G | 0.8475 | -0.1259 | 4.74E-14 | 57  |
| GCST90274765 | rs9271414   | T | C | 0.6301 | -0.1243 | 5.21E-24 | 102 |
| GCST90274765 | rs9271417   | T | C | 0.7246 | 0.0827  | 2.69E-09 | 35  |
| GCST90274765 | rs9271418   | A | G | 0.3221 | 0.137   | 7.23E-24 | 101 |
| GCST90274765 | rs9271421   | T | C | 0.1427 | 0.1101  | 1.78E-09 | 36  |
| GCST90274765 | rs9274780   | A | G | 0.7497 | -0.1241 | 5.39E-13 | 52  |
| GCST90274765 | rs9274788   | T | C | 0.7578 | -0.123  | 1.56E-12 | 50  |
| GCST90274765 | rs9274789   | C | G | 0.2708 | 0.1209  | 8.46E-12 | 47  |
| GCST90274765 | rs9274791   | T | C | 0.2644 | 0.1193  | 2.99E-14 | 58  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs28383359  | T | C | 0.4322 | 0.0766  | 2.84E-08 | 31  |
| GCST90274765 | rs28383456  | T | C | 0.161  | 0.2224  | 1.56E-19 | 82  |
| GCST90274765 | rs575354425 | A | G | 0.2205 | -0.1246 | 1.99E-08 | 32  |
| GCST90274765 | rs575430623 | T | C | 0.0639 | 0.4832  | 5.34E-50 | 221 |
| GCST90274765 | rs9271771   | T | C | 0.2444 | 0.2093  | 1.65E-48 | 214 |
| GCST90274765 | rs57632080  | T | C | 0.7582 | 0.1338  | 3.68E-18 | 75  |
| GCST90274765 | rs576628433 | A | C | 0.9254 | -0.4458 | 3.41E-45 | 199 |
| GCST90274765 | rs576957502 | A | T | 0.0624 | 0.4843  | 1.97E-51 | 228 |
| GCST90274765 | rs57723712  | A | C | 0.9027 | -0.2213 | 3.63E-27 | 117 |
| GCST90274765 | rs9271790   | A | G | 0.2215 | -0.0933 | 2.20E-10 | 40  |
| GCST90274765 | rs9271791   | A | G | 0.4637 | -0.1021 | 1.63E-14 | 59  |
| GCST90274765 | rs9271794   | A | G | 0.46   | -0.1049 | 7.83E-15 | 60  |
| GCST90274765 | rs9271824   | A | G | 0.5666 | 0.1071  | 5.90E-17 | 70  |
| GCST90274765 | rs9271842   | A | C | 0.4314 | -0.1124 | 2.95E-18 | 76  |
| GCST90274765 | rs9271847   | A | G | 0.5477 | 0.1079  | 8.13E-16 | 65  |
| GCST90274765 | rs9271848   | A | G | 0.5287 | 0.1083  | 3.54E-19 | 80  |
| GCST90274765 | rs9271850   | A | G | 0.6741 | 0.0892  | 5.85E-10 | 38  |
| GCST90274765 | rs9271854   | A | G | 0.4831 | -0.1017 | 5.15E-15 | 61  |
| GCST90274765 | rs9271855   | T | C | 0.5174 | 0.1016  | 5.48E-15 | 61  |
| GCST90274765 | rs9271857   | T | C | 0.4689 | -0.1079 | 4.78E-19 | 80  |
| GCST90274765 | rs9271858   | A | G | 0.5471 | 0.11    | 1.94E-19 | 81  |
| GCST90274765 | rs562092898 | A | G | 0.0669 | 0.4974  | 1.18E-43 | 192 |
| GCST90274765 | rs56214742  | A | G | 0.3268 | -0.0873 | 4.25E-12 | 48  |
| GCST90274765 | rs9271375   | A | G | 0.4706 | -0.1256 | 1.86E-26 | 113 |
| GCST90274765 | rs9271378   | A | G | 0.5443 | 0.0664  | 2.41E-08 | 31  |
| GCST90274765 | rs9271379   | T | C | 0.2862 | -0.0861 | 4.40E-10 | 39  |
| GCST90274765 | rs9274757   | A | C | 0.7525 | -0.1221 | 1.26E-12 | 50  |
| GCST90274765 | rs9274758   | A | G | 0.5635 | -0.0858 | 2.05E-08 | 31  |
| GCST90274765 | rs9274759   | A | G | 0.4399 | 0.0797  | 1.25E-08 | 32  |
| GCST90274765 | rs9274760   | A | G | 0.5628 | -0.0858 | 2.05E-08 | 31  |
| GCST90274765 | rs9274761   | A | G | 0.762  | -0.1156 | 6.96E-13 | 52  |

|              |           |   |   |        |         |          |     |
|--------------|-----------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs9274762 | C | G | 0.7518 | -0.1216 | 1.55E-12 | 50  |
| GCST90274765 | rs9274765 | T | G | 0.2419 | 0.1216  | 2.78E-12 | 49  |
| GCST90274765 | rs9274766 | A | G | 0.2419 | 0.1216  | 2.78E-12 | 49  |
| GCST90274765 | rs9274767 | C | G | 0.7582 | -0.1164 | 1.27E-10 | 41  |
| GCST90274765 | rs9274768 | T | C | 0.7581 | -0.1163 | 1.32E-10 | 41  |
| GCST90274765 | rs9271951 | A | G | 0.475  | -0.107  | 5.23E-16 | 66  |
| GCST90274765 | rs9271958 | A | G | 0.2276 | -0.0894 | 2.52E-09 | 36  |
| GCST90274765 | rs9271959 | T | C | 0.5133 | 0.1034  | 2.95E-15 | 62  |
| GCST90274765 | rs9272058 | T | C | 0.789  | 0.0948  | 4.46E-10 | 39  |
| GCST90274765 | rs9272059 | T | C | 0.5202 | 0.108   | 2.26E-19 | 81  |
| GCST90274765 | rs9272060 | A | G | 0.2238 | -0.0906 | 3.14E-10 | 40  |
| GCST90274765 | rs9272063 | T | C | 0.2467 | -0.0874 | 1.78E-10 | 41  |
| GCST90274765 | rs9272064 | T | C | 0.4948 | -0.1082 | 4.75E-20 | 84  |
| GCST90274765 | rs9272065 | T | G | 0.7603 | 0.0886  | 2.14E-09 | 36  |
| GCST90274765 | rs9272066 | A | C | 0.2437 | -0.0894 | 1.26E-10 | 41  |
| GCST90274765 | rs9272067 | A | C | 0.4901 | -0.1092 | 2.16E-20 | 86  |
| GCST90274765 | rs9272069 | A | T | 0.246  | -0.0859 | 4.83E-10 | 39  |
| GCST90274765 | rs9272103 | T | C | 0.4878 | -0.1073 | 1.94E-19 | 81  |
| GCST90274765 | rs9272108 | T | C | 0.5106 | 0.1099  | 2.58E-20 | 85  |
| GCST90274765 | rs9272109 | T | G | 0.4822 | -0.1114 | 7.87E-21 | 88  |
| GCST90274765 | rs9272110 | T | C | 0.509  | 0.105   | 6.64E-16 | 65  |
| GCST90274765 | rs9272117 | T | C | 0.4956 | -0.1079 | 6.01E-20 | 84  |
| GCST90274765 | rs9272119 | T | C | 0.5061 | 0.11    | 1.37E-18 | 77  |
| GCST90274765 | rs9272120 | A | G | 0.5054 | 0.1088  | 2.96E-20 | 85  |
| GCST90274765 | rs9272128 | A | C | 0.4827 | -0.1076 | 2.40E-17 | 72  |
| GCST90274765 | rs9272129 | T | C | 0.4678 | -0.1065 | 2.56E-18 | 76  |
| GCST90274765 | rs9272130 | A | G | 0.5085 | 0.1077  | 7.03E-20 | 83  |
| GCST90274765 | rs9271514 | A | G | 0.3632 | 0.1222  | 2.93E-23 | 99  |
| GCST90274765 | rs9271515 | A | G | 0.3626 | 0.1231  | 1.40E-23 | 100 |
| GCST90274765 | rs9271522 | T | C | 0.6508 | 0.0883  | 7.03E-13 | 52  |
| GCST90274765 | rs9271859 | T | G | 0.5477 | 0.1101  | 1.80E-19 | 81  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs9271877  | T | C | 0.5329 | 0.1019  | 4.56E-15 | 61  |
| GCST90274765 | rs9271879  | T | C | 0.4778 | -0.0987 | 7.59E-14 | 56  |
| GCST90274765 | rs9271885  | T | C | 0.4807 | -0.1035 | 4.47E-15 | 61  |
| GCST90274765 | rs9271889  | A | G | 0.494  | -0.1077 | 7.03E-20 | 83  |
| GCST90274765 | rs9271891  | T | G | 0.4884 | -0.1085 | 3.75E-20 | 85  |
| GCST90274765 | rs9271894  | T | C | 0.3447 | -0.0895 | 5.29E-13 | 52  |
| GCST90274765 | rs9271895  | T | C | 0.7677 | 0.0862  | 9.75E-10 | 37  |
| GCST90274765 | rs9271896  | A | G | 0.4924 | -0.1098 | 1.34E-20 | 87  |
| GCST90274765 | rs9271897  | A | G | 0.4936 | -0.1105 | 7.65E-21 | 88  |
| GCST90274765 | rs9271919  | A | G | 0.5236 | 0.1067  | 6.02E-19 | 79  |
| GCST90274765 | rs9271927  | T | C | 0.518  | 0.109   | 5.21E-20 | 84  |
| GCST90274765 | rs9271928  | A | G | 0.4878 | -0.1118 | 7.12E-19 | 79  |
| GCST90274765 | rs9271935  | T | C | 0.5034 | 0.0992  | 2.33E-14 | 58  |
| GCST90274765 | rs9271945  | A | G | 0.4954 | -0.1069 | 1.31E-19 | 82  |
| GCST90274765 | rs9271566  | A | G | 0.6127 | 0.076   | 3.64E-08 | 30  |
| GCST90274765 | rs9271573  | A | C | 0.4404 | 0.0791  | 2.04E-11 | 45  |
| GCST90274765 | rs9271593  | T | C | 0.5686 | -0.0865 | 6.65E-12 | 47  |
| GCST90274765 | rs9271562  | A | G | 0.2848 | -0.0871 | 8.03E-11 | 42  |
| GCST90274765 | rs17404153 | T | G | 0.1295 | -0.198  | 2.32E-29 | 127 |
| GCST90274765 | rs17412738 | A | G | 0.8818 | 0.2259  | 1.20E-34 | 151 |
| GCST90274765 | rs17413072 | C | G | 0.1185 | -0.2281 | 2.72E-35 | 154 |
| GCST90274765 | rs17413620 | A | G | 0.8808 | 0.2154  | 5.54E-32 | 139 |
| GCST90274765 | rs17414558 | T | C | 0.8751 | 0.2021  | 2.98E-29 | 126 |
| GCST90274765 | rs17425622 | T | C | 0.8378 | 0.0989  | 2.05E-09 | 36  |
| GCST90274765 | rs17426593 | T | C | 0.8196 | 0.108   | 6.03E-12 | 47  |
| GCST90274765 | rs17427494 | A | T | 0.0595 | 0.4715  | 1.16E-55 | 247 |
| GCST90274765 | rs17499655 | T | C | 0.1646 | 0.0926  | 2.00E-08 | 31  |
| GCST90274765 | rs17576984 | T | C | 0.1098 | 0.1235  | 1.94E-10 | 41  |
| GCST90274765 | rs17843590 | A | G | 0.4562 | 0.0748  | 3.01E-08 | 31  |
| GCST90274765 | rs17843604 | T | C | 0.5193 | -0.1041 | 2.60E-17 | 72  |
| GCST90274765 | rs9271641  | A | G | 0.2193 | 0.214   | 5.89E-50 | 221 |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs9271648   | T | C | 0.4846 | -0.0995 | 1.23E-14 | 59  |
| GCST90274765 | rs9271653   | A | C | 0.5255 | 0.0924  | 2.56E-12 | 49  |
| GCST90274765 | rs9271654   | A | G | 0.3225 | -0.0819 | 8.04E-09 | 33  |
| GCST90274765 | rs9271655   | A | G | 0.7896 | -0.2098 | 2.33E-38 | 168 |
| GCST90274765 | rs9271657   | T | C | 0.6874 | 0.0813  | 2.26E-09 | 36  |
| GCST90274765 | rs9271662   | A | G | 0.3263 | -0.0908 | 1.94E-12 | 50  |
| GCST90274765 | rs9271663   | A | G | 0.4815 | -0.1038 | 5.09E-16 | 66  |
| GCST90274765 | rs9271666   | T | C | 0.7717 | 0.0874  | 5.65E-09 | 34  |
| GCST90274765 | rs9271667   | T | C | 0.6537 | 0.0914  | 1.69E-13 | 54  |
| GCST90274765 | rs9271673   | C | G | 0.2212 | 0.2193  | 2.26E-52 | 232 |
| GCST90274765 | rs9271680   | C | G | 0.7628 | -0.1934 | 7.20E-35 | 152 |
| GCST90274765 | rs562462    | T | C | 0.7691 | 0.0869  | 5.47E-09 | 34  |
| GCST90274765 | rs56269008  | A | G | 0.0416 | 0.4091  | 1.20E-37 | 164 |
| GCST90274765 | rs56279000  | T | C | 0.9748 | -0.2415 | 5.93E-10 | 38  |
| GCST90274765 | rs56299948  | A | G | 0.9592 | -0.4337 | 2.47E-38 | 168 |
| GCST90274765 | rs563316064 | A | C | 0.9369 | -0.4833 | 6.38E-51 | 225 |
| GCST90274765 | rs564176274 | T | C | 0.0656 | 0.4056  | 3.63E-36 | 158 |
| GCST90274765 | rs564621439 | A | G | 0.0368 | 0.4701  | 2.34E-38 | 168 |
| GCST90274765 | rs566861    | T | C | 0.6789 | 0.0843  | 3.18E-11 | 44  |
| GCST90274765 | rs56705566  | A | G | 0.1413 | -0.1921 | 1.31E-29 | 128 |
| GCST90274765 | rs567798325 | T | C | 0.9308 | -0.4399 | 2.90E-35 | 154 |
| GCST90274765 | rs568935162 | T | G | 0.9315 | -0.4536 | 3.04E-43 | 190 |
| GCST90274765 | rs569229779 | A | C | 0.4516 | 0.0794  | 2.37E-09 | 36  |
| GCST90274765 | rs570963    | A | G | 0.8774 | -0.1434 | 4.65E-15 | 61  |
| GCST90274765 | rs57116766  | A | C | 0.0988 | 0.193   | 3.06E-21 | 90  |
| GCST90274765 | rs571832998 | T | G | 0.6656 | -0.0955 | 1.60E-08 | 32  |
| GCST90274765 | rs573056492 | T | C | 0.2978 | 0.095   | 4.77E-08 | 30  |
| GCST90274765 | rs573907023 | A | G | 0.8551 | -0.1306 | 3.74E-12 | 48  |
| GCST90274765 | rs57439039  | T | G | 0.242  | -0.1345 | 2.46E-18 | 76  |
| GCST90274765 | rs57470483  | T | C | 0.9751 | -0.2472 | 3.52E-10 | 39  |
| GCST90274765 | rs9271731   | A | G | 0.2497 | 0.2009  | 7.82E-45 | 197 |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs9271770   | A | G | 0.7651 | -0.2084 | 1.82E-47 | 209 |
| GCST90274765 | rs115596275 | C | G | 0.0577 | 0.5161  | 8.74E-56 | 248 |
| GCST90274765 | rs115596571 | T | C | 0.0622 | 0.5011  | 4.80E-58 | 258 |
| GCST90274765 | rs115609519 | A | G | 0.937  | -0.4948 | 1.22E-56 | 252 |
| GCST90274765 | rs115649989 | A | C | 0.0594 | 0.5149  | 2.42E-62 | 278 |
| GCST90274765 | rs115691564 | T | C | 0.0634 | 0.5069  | 7.64E-55 | 243 |
| GCST90274765 | rs115711192 | T | C | 0.0604 | 0.4854  | 7.82E-61 | 271 |
| GCST90274765 | rs11571302  | T | G | 0.4511 | -0.0786 | 8.26E-11 | 42  |
| GCST90274765 | rs11571316  | A | G | 0.4015 | -0.0672 | 4.67E-08 | 30  |
| GCST90274765 | rs115717621 | T | G | 0.0682 | 0.4965  | 6.29E-46 | 202 |
| GCST90274765 | rs115738641 | A | G | 0.9368 | -0.4605 | 8.81E-57 | 252 |
| GCST90274765 | rs115739548 | T | C | 0.0428 | 0.4124  | 1.21E-39 | 174 |
| GCST90274765 | rs11574915  | A | C | 0.8639 | -0.1464 | 7.19E-18 | 74  |
| GCST90274765 | rs115771255 | A | T | 0.8961 | 0.2002  | 1.38E-23 | 100 |
| GCST90274765 | rs115777056 | A | C | 0.0596 | 0.4714  | 1.23E-55 | 247 |
| GCST90274765 | rs115823871 | T | C | 0.0896 | -0.2158 | 4.01E-24 | 103 |
| GCST90274765 | rs115842332 | A | G | 0.0597 | 0.4698  | 6.42E-55 | 244 |
| GCST90274765 | rs115872586 | A | G | 0.0607 | 0.4991  | 4.45E-51 | 226 |
| GCST90274765 | rs115910284 | A | C | 0.072  | 0.4533  | 2.97E-52 | 231 |
| GCST90274765 | rs115911154 | A | G | 0.9359 | -0.4838 | 2.04E-50 | 223 |
| GCST90274765 | rs116080026 | T | C | 0.0615 | 0.4765  | 2.22E-51 | 227 |
| GCST90274765 | rs116109088 | T | C | 0.0622 | 0.4695  | 5.97E-59 | 262 |
| GCST90274765 | rs116109251 | T | C | 0.1004 | 0.1903  | 2.56E-18 | 76  |
| GCST90274765 | rs116123674 | A | G | 0.9594 | -0.4326 | 2.29E-38 | 168 |
| GCST90274765 | rs116147199 | A | G | 0.9404 | -0.4713 | 1.29E-55 | 247 |
| GCST90274765 | rs116178934 | A | T | 0.9351 | -0.4399 | 7.25E-45 | 198 |
| GCST90274765 | rs116239570 | A | G | 0.0628 | 0.399   | 4.52E-43 | 189 |
| GCST90274765 | rs116240177 | A | C | 0.9333 | -0.5011 | 1.56E-47 | 210 |
| GCST90274765 | rs116295582 | A | G | 0.0763 | 0.4301  | 5.55E-26 | 111 |
| GCST90274765 | rs116361489 | T | G | 0.4677 | -0.0948 | 6.44E-12 | 47  |
| GCST90274765 | rs116391620 | T | G | 0.0987 | 0.1934  | 3.94E-21 | 89  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs116416438 | A | G | 0.0417 | 0.4076  | 2.19E-37 | 163 |
| GCST90274765 | rs116459302 | T | C | 0.0595 | 0.4722  | 8.04E-56 | 248 |
| GCST90274765 | rs116540263 | A | G | 0.0597 | 0.4981  | 1.85E-58 | 260 |
| GCST90274765 | rs116607676 | A | C | 0.0649 | 0.4807  | 2.21E-45 | 200 |
| GCST90274765 | rs617578    | A | G | 0.1675 | -0.0927 | 1.05E-08 | 33  |
| GCST90274765 | rs62291485  | T | C | 0.119  | -0.2177 | 2.68E-32 | 140 |
| GCST90274765 | rs62291486  | T | C | 0.1181 | -0.2179 | 2.36E-32 | 140 |
| GCST90274765 | rs62291488  | T | G | 0.1186 | -0.2165 | 5.82E-32 | 138 |
| GCST90274765 | rs62291492  | T | G | 0.0322 | -0.1957 | 2.47E-08 | 31  |
| GCST90274765 | rs62291495  | A | G | 0.032  | -0.1948 | 2.86E-08 | 31  |
| GCST90274765 | rs62291499  | T | C | 0.8813 | 0.214   | 1.37E-31 | 137 |
| GCST90274765 | rs62291501  | T | C | 0.8809 | 0.215   | 7.18E-32 | 138 |
| GCST90274765 | rs62291502  | A | G | 0.9678 | 0.193   | 3.83E-08 | 30  |
| GCST90274765 | rs62291503  | A | T | 0.1189 | -0.2141 | 1.28E-31 | 137 |
| GCST90274765 | rs2999161   | A | C | 0.1639 | 0.1103  | 2.93E-12 | 49  |
| GCST90274765 | rs9275512   | A | G | 0.772  | 0.0867  | 1.34E-09 | 37  |
| GCST90274765 | rs9275522   | T | C | 0.227  | -0.0885 | 4.59E-10 | 39  |
| GCST90274765 | rs9275523   | A | C | 0.2299 | -0.0866 | 8.16E-10 | 38  |
| GCST90274765 | rs9275525   | A | G | 0.2324 | -0.0977 | 2.24E-10 | 40  |
| GCST90274765 | rs9275527   | C | G | 0.7768 | 0.0856  | 2.15E-09 | 36  |
| GCST90274765 | rs9275529   | T | C | 0.2347 | -0.092  | 8.61E-10 | 38  |
| GCST90274765 | rs9275531   | A | G | 0.7777 | 0.0858  | 1.97E-09 | 36  |
| GCST90274765 | rs9275534   | T | C | 0.2362 | -0.0921 | 6.36E-10 | 38  |
| GCST90274765 | rs9275539   | A | G | 0.2348 | -0.0903 | 1.36E-09 | 37  |
| GCST90274765 | rs9272139   | A | G | 0.1261 | -0.1244 | 1.15E-10 | 42  |
| GCST90274765 | rs9272143   | T | C | 0.5241 | 0.1013  | 1.78E-16 | 68  |
| GCST90274765 | rs9272146   | T | C | 0.5129 | 0.106   | 2.63E-19 | 81  |
| GCST90274765 | rs9272188   | C | G | 0.7592 | 0.0867  | 3.68E-09 | 35  |
| GCST90274765 | rs9272190   | A | G | 0.7598 | 0.0796  | 1.30E-08 | 32  |
| GCST90274765 | rs9272215   | T | G | 0.2504 | -0.0816 | 2.58E-09 | 35  |
| GCST90274765 | rs9272230   | A | C | 0.249  | -0.0862 | 3.13E-10 | 40  |

|              |           |   |   |        |         |          |     |
|--------------|-----------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs9272233 | A | G | 0.2398 | -0.0857 | 5.54E-09 | 34  |
| GCST90274765 | rs9272234 | A | G | 0.2398 | -0.0855 | 6.02E-09 | 34  |
| GCST90274765 | rs9272256 | T | C | 0.7617 | 0.0895  | 1.47E-09 | 37  |
| GCST90274765 | rs9272264 | A | G | 0.7588 | 0.0873  | 2.87E-09 | 35  |
| GCST90274765 | rs9271536 | A | T | 0.2062 | 0.223   | 1.26E-43 | 192 |
| GCST90274765 | rs9271537 | T | C | 0.434  | -0.0913 | 2.17E-12 | 49  |
| GCST90274765 | rs9271539 | A | G | 0.3453 | -0.0854 | 5.69E-12 | 47  |
| GCST90274765 | rs9271541 | A | C | 0.7634 | 0.0849  | 1.01E-09 | 37  |
| GCST90274765 | rs9271545 | T | C | 0.2295 | -0.0875 | 4.29E-09 | 34  |
| GCST90274765 | rs9271546 | T | C | 0.4954 | 0.0718  | 1.21E-08 | 32  |
| GCST90274765 | rs9271547 | A | C | 0.5053 | -0.0757 | 4.41E-09 | 34  |
| GCST90274765 | rs9271548 | A | T | 0.3619 | 0.1231  | 1.40E-23 | 100 |
| GCST90274765 | rs9271550 | A | T | 0.2832 | -0.0837 | 1.21E-10 | 41  |
| GCST90274765 | rs9271558 | A | G | 0.6601 | 0.0891  | 1.48E-11 | 46  |
| GCST90274765 | rs9272417 | A | G | 0.8269 | 0.0893  | 2.39E-08 | 31  |
| GCST90274765 | rs9272423 | T | G | 0.766  | 0.0907  | 1.15E-09 | 37  |
| GCST90274765 | rs9272426 | A | G | 0.5643 | 0.0757  | 3.94E-10 | 39  |
| GCST90274765 | rs9272440 | C | G | 0.226  | -0.0865 | 4.00E-09 | 35  |
| GCST90274765 | rs9272458 | A | G | 0.8148 | -0.127  | 4.05E-14 | 57  |
| GCST90274765 | rs9272461 | A | G | 0.1883 | -0.1047 | 1.06E-11 | 46  |
| GCST90274765 | rs9272462 | A | G | 0.2416 | -0.0882 | 2.22E-10 | 40  |
| GCST90274765 | rs9272466 | T | G | 0.1906 | -0.1033 | 2.34E-10 | 40  |
| GCST90274765 | rs9272469 | A | C | 0.7788 | 0.0908  | 1.10E-09 | 37  |
| GCST90274765 | rs9272560 | T | C | 0.7848 | 0.0868  | 1.74E-08 | 32  |
| GCST90274765 | rs9272569 | T | G | 0.2213 | -0.0915 | 1.36E-09 | 37  |
| GCST90274765 | rs9272617 | T | G | 0.4076 | 0.1055  | 1.69E-16 | 68  |
| GCST90274765 | rs9272640 | T | C | 0.769  | 0.084   | 8.75E-09 | 33  |
| GCST90274765 | rs9272648 | T | C | 0.7246 | 0.0862  | 1.71E-10 | 41  |
| GCST90274765 | rs9272785 | A | G | 0.1812 | -0.1035 | 3.25E-11 | 44  |
| GCST90274765 | rs9273106 | A | G | 0.1409 | 0.115   | 5.30E-09 | 34  |
| GCST90274765 | rs9273363 | A | C | 0.2793 | -0.1229 | 2.45E-20 | 85  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs9273364   | T | G | 0.7237 | 0.1249  | 2.21E-20 | 86  |
| GCST90274765 | rs9273367   | A | T | 0.7207 | 0.1198  | 3.65E-16 | 66  |
| GCST90274765 | rs9273368   | A | G | 0.2775 | -0.1256 | 7.04E-21 | 88  |
| GCST90274765 | rs9273369   | T | C | 0.8757 | 0.1306  | 1.32E-11 | 46  |
| GCST90274765 | rs9273379   | C | G | 0.749  | 0.1004  | 7.30E-10 | 38  |
| GCST90274765 | rs9273386   | T | C | 0.4617 | 0.0985  | 1.97E-13 | 54  |
| GCST90274765 | rs9273400   | T | C | 0.5117 | -0.0963 | 8.32E-14 | 56  |
| GCST90274765 | rs9274407   | A | T | 0.2035 | 0.2136  | 1.13E-42 | 187 |
| GCST90274765 | rs9274666   | A | G | 0.4615 | 0.0705  | 1.30E-08 | 32  |
| GCST90274765 | rs9274671   | C | G | 0.1276 | -0.1275 | 6.04E-10 | 38  |
| GCST90274765 | rs9274727   | T | G | 0.7112 | -0.0791 | 1.27E-08 | 32  |
| GCST90274765 | rs9274742   | T | C | 0.7602 | -0.0962 | 1.42E-10 | 41  |
| GCST90274765 | rs9274750   | T | C | 0.7577 | -0.122  | 2.36E-12 | 49  |
| GCST90274765 | rs9274753   | T | C | 0.4356 | 0.0865  | 1.57E-08 | 32  |
| GCST90274765 | rs2772529   | T | G | 0.8479 | -0.1193 | 2.50E-13 | 54  |
| GCST90274765 | rs2772530   | A | G | 0.1656 | 0.1104  | 2.04E-12 | 49  |
| GCST90274765 | rs2772531   | A | G | 0.8353 | -0.1078 | 8.93E-12 | 47  |
| GCST90274765 | rs2812368   | T | G | 0.8363 | -0.11   | 3.35E-12 | 48  |
| GCST90274765 | rs2812369   | A | G | 0.164  | 0.1103  | 2.93E-12 | 49  |
| GCST90274765 | rs2812370   | T | C | 0.1506 | 0.1179  | 6.53E-13 | 52  |
| GCST90274765 | rs2812373   | T | C | 0.1531 | 0.1133  | 2.67E-12 | 49  |
| GCST90274765 | rs28362132  | T | G | 0.0747 | 0.4224  | 5.32E-54 | 239 |
| GCST90274765 | rs28362680  | A | G | 0.1073 | 0.205   | 1.33E-25 | 109 |
| GCST90274765 | rs28362681  | T | C | 0.0988 | 0.193   | 3.06E-21 | 90  |
| GCST90274765 | rs28362682  | A | T | 0.9013 | -0.1921 | 4.66E-21 | 89  |
| GCST90274765 | rs28362683  | A | G | 0.0988 | 0.192   | 4.88E-21 | 89  |
| GCST90274765 | rs28371221  | C | G | 0.2966 | 0.1002  | 1.50E-08 | 32  |
| GCST90274765 | rs28371271  | A | G | 0.3786 | 0.0863  | 1.51E-12 | 50  |
| GCST90274765 | rs115577932 | T | C | 0.0595 | 0.4734  | 4.27E-56 | 249 |
| GCST90274765 | rs9832919   | A | G | 0.6333 | 0.082   | 2.62E-11 | 44  |
| GCST90274765 | rs9835254   | T | C | 0.5791 | 0.0696  | 4.95E-09 | 34  |

|              |           |   |   |        |         |          |     |
|--------------|-----------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs983561  | T | G | 0.7008 | 0.0752  | 1.22E-08 | 32  |
| GCST90274765 | rs9843637 | A | G | 0.5138 | 0.0738  | 1.99E-10 | 40  |
| GCST90274765 | rs9844938 | A | G | 0.4871 | -0.0748 | 1.62E-10 | 41  |
| GCST90274765 | rs984778  | T | C | 0.6764 | -0.1427 | 3.48E-30 | 130 |
| GCST90274765 | rs9968904 | A | C | 0.0611 | 0.3848  | 2.15E-42 | 186 |
| GCST90274765 | rs3129881 | T | C | 0.2973 | -0.0776 | 1.79E-09 | 36  |
| GCST90274765 | rs3129882 | A | G | 0.5637 | -0.1025 | 3.74E-18 | 75  |
| GCST90274765 | rs3129883 | T | C | 0.2628 | 0.1667  | 1.58E-35 | 155 |
| GCST90274765 | rs3129886 | T | C | 0.2629 | 0.1667  | 1.58E-35 | 155 |
| GCST90274765 | rs3129888 | A | G | 0.7835 | -0.1786 | 7.32E-35 | 152 |
| GCST90274765 | rs3129889 | A | G | 0.8552 | -0.1049 | 8.54E-10 | 38  |
| GCST90274765 | rs3129895 | A | G | 0.1503 | 0.1095  | 7.13E-11 | 42  |
| GCST90274765 | rs3129898 | A | G | 0.8504 | -0.1122 | 2.41E-11 | 45  |
| GCST90274765 | rs3129908 | A | C | 0.5802 | -0.0756 | 2.11E-10 | 40  |
| GCST90274765 | rs3129909 | A | G | 0.5801 | -0.0753 | 2.49E-10 | 40  |
| GCST90274765 | rs3129910 | T | C | 0.4274 | 0.071   | 2.43E-09 | 36  |
| GCST90274765 | rs3129911 | T | C | 0.5727 | -0.071  | 2.43E-09 | 36  |
| GCST90274765 | rs3129918 | A | C | 0.5722 | -0.0708 | 2.69E-09 | 35  |
| GCST90274765 | rs3129921 | A | G | 0.4275 | 0.071   | 2.43E-09 | 36  |
| GCST90274765 | rs3129922 | T | C | 0.5724 | -0.0709 | 2.55E-09 | 35  |
| GCST90274765 | rs3129923 | A | G | 0.4274 | 0.071   | 2.43E-09 | 36  |
| GCST90274765 | rs3129950 | C | G | 0.1127 | -0.1059 | 2.95E-08 | 31  |
| GCST90274765 | rs3129956 | A | G | 0.1136 | -0.1056 | 3.22E-08 | 31  |
| GCST90274765 | rs3129963 | A | G | 0.8077 | 0.0828  | 2.74E-08 | 31  |
| GCST90274765 | rs3129965 | C | G | 0.1934 | -0.0828 | 2.74E-08 | 31  |
| GCST90274765 | rs3129966 | C | G | 0.1128 | -0.1049 | 3.97E-08 | 30  |
| GCST90274765 | rs3129967 | T | C | 0.3452 | -0.0794 | 4.05E-10 | 39  |
| GCST90274765 | rs3129968 | T | C | 0.656  | 0.0848  | 5.41E-12 | 48  |
| GCST90274765 | rs3129971 | C | G | 0.855  | -0.1038 | 1.28E-09 | 37  |
| GCST90274765 | rs3130279 | A | G | 0.1493 | 0.0959  | 1.39E-08 | 32  |
| GCST90274765 | rs3130283 | A | C | 0.1472 | 0.0959  | 1.69E-08 | 32  |

|              |           |   |   |        |         |          |     |
|--------------|-----------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs3130287 | T | C | 0.8538 | -0.0953 | 2.07E-08 | 31  |
| GCST90274765 | rs9271423 | T | G | 0.8464 | -0.1211 | 2.98E-13 | 53  |
| GCST90274765 | rs9271424 | T | C | 0.7199 | 0.0828  | 2.61E-10 | 40  |
| GCST90274765 | rs9271425 | A | G | 0.7199 | 0.0809  | 6.59E-10 | 38  |
| GCST90274765 | rs9271437 | A | G | 0.2839 | -0.0835 | 1.34E-10 | 41  |
| GCST90274765 | rs9271440 | T | C | 0.6333 | -0.1265 | 4.61E-22 | 93  |
| GCST90274765 | rs9271444 | A | G | 0.3671 | 0.129   | 7.04E-23 | 97  |
| GCST90274765 | rs9271462 | T | C | 0.7168 | 0.0936  | 5.93E-11 | 43  |
| GCST90274765 | rs9271466 | C | G | 0.1616 | 0.1245  | 4.54E-13 | 52  |
| GCST90274765 | rs9271471 | C | G | 0.7231 | 0.0838  | 2.15E-09 | 36  |
| GCST90274765 | rs9271481 | A | G | 0.1597 | 0.1232  | 1.16E-13 | 55  |
| GCST90274765 | rs9271483 | T | G | 0.627  | -0.1219 | 3.75E-23 | 98  |
| GCST90274765 | rs9271484 | T | G | 0.2755 | -0.0836 | 1.81E-09 | 36  |
| GCST90274765 | rs9271489 | A | C | 0.3468 | -0.0869 | 1.61E-12 | 50  |
| GCST90274765 | rs9271492 | A | C | 0.6187 | 0.0805  | 2.87E-11 | 44  |
| GCST90274765 | rs9271493 | A | G | 0.3636 | 0.1226  | 2.12E-23 | 99  |
| GCST90274765 | rs9271494 | A | C | 0.8278 | 0.0994  | 2.81E-08 | 31  |
| GCST90274765 | rs9271499 | T | C | 0.3761 | -0.0758 | 3.96E-08 | 30  |
| GCST90274765 | rs9271502 | A | G | 0.372  | -0.0747 | 9.13E-09 | 33  |
| GCST90274765 | rs9271508 | T | C | 0.3389 | -0.0885 | 2.02E-11 | 45  |
| GCST90274765 | rs3134983 | T | C | 0.1776 | -0.1236 | 6.16E-11 | 43  |
| GCST90274765 | rs3134986 | T | C | 0.1632 | -0.1073 | 6.97E-10 | 38  |
| GCST90274765 | rs3135003 | T | C | 0.2367 | -0.0856 | 7.35E-10 | 38  |
| GCST90274765 | rs3135005 | A | G | 0.1538 | 0.1243  | 4.95E-14 | 57  |
| GCST90274765 | rs3135042 | A | G | 0.6033 | -0.0758 | 2.67E-10 | 40  |
| GCST90274765 | rs9271524 | A | C | 0.7699 | 0.0846  | 1.09E-08 | 33  |
| GCST90274765 | rs9271525 | A | G | 0.8296 | -0.114  | 3.84E-13 | 53  |
| GCST90274765 | rs9271526 | A | G | 0.2828 | -0.0817 | 3.29E-10 | 39  |
| GCST90274765 | rs9271527 | T | C | 0.3411 | -0.0892 | 9.82E-12 | 46  |
| GCST90274765 | rs9271528 | T | C | 0.228  | -0.0862 | 1.28E-09 | 37  |
| GCST90274765 | rs9271529 | A | G | 0.8049 | -0.2111 | 8.35E-36 | 156 |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs9271533  | T | G | 0.3382 | -0.0832 | 1.65E-09 | 36  |
| GCST90274765 | rs9272275  | T | C | 0.2229 | -0.085  | 1.17E-08 | 33  |
| GCST90274765 | rs9272293  | A | G | 0.4392 | 0.0985  | 6.82E-16 | 65  |
| GCST90274765 | rs9272294  | T | C | 0.2193 | -0.0869 | 6.90E-09 | 34  |
| GCST90274765 | rs9272311  | A | G | 0.2278 | -0.0927 | 1.63E-10 | 41  |
| GCST90274765 | rs9272320  | A | G | 0.5359 | -0.0933 | 7.13E-13 | 52  |
| GCST90274765 | rs9272326  | T | C | 0.2129 | -0.0871 | 1.92E-08 | 32  |
| GCST90274765 | rs9272353  | C | G | 0.1876 | -0.1    | 1.08E-09 | 37  |
| GCST90274765 | rs9272405  | T | C | 0.7797 | 0.0905  | 8.20E-09 | 33  |
| GCST90274765 | rs9272408  | A | G | 0.7812 | 0.0892  | 2.74E-09 | 35  |
| GCST90274765 | rs9272413  | T | C | 0.7812 | 0.0901  | 1.89E-09 | 36  |
| GCST90274765 | rs3135387  | T | G | 0.2186 | 0.1778  | 1.45E-34 | 150 |
| GCST90274765 | rs3135388  | A | G | 0.1449 | 0.1045  | 9.89E-10 | 37  |
| GCST90274765 | rs3135390  | A | C | 0.7837 | -0.1817 | 9.77E-32 | 137 |
| GCST90274765 | rs3135391  | A | G | 0.1449 | 0.1034  | 1.48E-09 | 37  |
| GCST90274765 | rs3135394  | A | G | 0.8877 | 0.1066  | 2.39E-08 | 31  |
| GCST90274765 | rs3135395  | T | G | 0.3235 | 0.1427  | 3.48E-30 | 130 |
| GCST90274765 | rs3135396  | T | C | 0.3    | -0.0756 | 3.50E-09 | 35  |
| GCST90274765 | rs3135398  | T | C | 0.3    | -0.0757 | 3.34E-09 | 35  |
| GCST90274765 | rs3184504  | T | C | 0.4764 | 0.0775  | 4.33E-09 | 34  |
| GCST90274765 | rs34039593 | T | G | 0.8323 | 0.0901  | 1.79E-08 | 32  |
| GCST90274765 | rs34053403 | T | C | 0.1727 | 0.0851  | 4.89E-08 | 30  |
| GCST90274765 | rs34091356 | A | G | 0.181  | 0.1496  | 3.10E-14 | 58  |
| GCST90274765 | rs34102154 | A | G | 0.1967 | 0.0963  | 4.02E-10 | 39  |
| GCST90274765 | rs34139413 | T | G | 0.9298 | -0.5045 | 2.94E-41 | 181 |
| GCST90274765 | rs17879702 | A | G | 0.0914 | 0.3083  | 9.66E-27 | 115 |
| GCST90274765 | rs1794272  | A | T | 0.8727 | 0.1301  | 3.64E-13 | 53  |
| GCST90274765 | rs1794274  | T | G | 0.1274 | -0.1263 | 1.16E-10 | 42  |
| GCST90274765 | rs1794277  | A | G | 0.127  | -0.1256 | 8.73E-12 | 47  |
| GCST90274765 | rs1794280  | A | T | 0.8733 | 0.1303  | 3.35E-13 | 53  |
| GCST90274765 | rs1794282  | T | C | 0.1113 | -0.1109 | 7.65E-09 | 33  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs1794283   | T | C | 0.1267 | -0.1302 | 3.50E-13 | 53  |
| GCST90274765 | rs1794510   | A | C | 0.0599 | 0.4682  | 6.56E-55 | 244 |
| GCST90274765 | rs1794511   | T | G | 0.873  | 0.1297  | 4.30E-13 | 53  |
| GCST90274765 | rs1794519   | A | C | 0.869  | 0.1269  | 3.86E-11 | 44  |
| GCST90274765 | rs1794520   | A | T | 0.1307 | -0.1268 | 3.16E-11 | 44  |
| GCST90274765 | rs1794528   | T | C | 0.8728 | 0.1304  | 3.22E-13 | 53  |
| GCST90274765 | rs9271683   | T | C | 0.7848 | -0.2213 | 3.03E-46 | 204 |
| GCST90274765 | rs9271684   | T | C | 0.3296 | -0.0927 | 4.42E-13 | 52  |
| GCST90274765 | rs9271687   | A | G | 0.1955 | 0.1094  | 1.92E-11 | 45  |
| GCST90274765 | rs9271691   | A | G | 0.513  | 0.0996  | 2.89E-14 | 58  |
| GCST90274765 | rs9271692   | A | C | 0.4671 | -0.1043 | 1.24E-17 | 73  |
| GCST90274765 | rs9271694   | T | C | 0.662  | 0.089   | 1.56E-11 | 45  |
| GCST90274765 | rs9271695   | A | G | 0.2186 | 0.2176  | 1.37E-51 | 228 |
| GCST90274765 | rs9271699   | A | G | 0.5125 | 0.1087  | 6.57E-20 | 83  |
| GCST90274765 | rs9271707   | T | C | 0.4996 | -0.1021 | 9.50E-18 | 74  |
| GCST90274765 | rs9271708   | A | C | 0.3264 | -0.0865 | 1.40E-11 | 46  |
| GCST90274765 | rs9271709   | A | G | 0.3257 | -0.0873 | 9.08E-12 | 47  |
| GCST90274765 | rs9271710   | A | G | 0.7334 | -0.1741 | 3.27E-33 | 144 |
| GCST90274765 | rs9271714   | T | G | 0.5308 | 0.0888  | 1.24E-10 | 41  |
| GCST90274765 | rs9271715   | T | C | 0.4693 | -0.0889 | 1.18E-10 | 41  |
| GCST90274765 | rs9271719   | T | C | 0.7819 | -0.2215 | 6.61E-47 | 207 |
| GCST90274765 | rs9271720   | A | G | 0.4665 | -0.1048 | 8.68E-18 | 74  |
| GCST90274765 | rs9271726   | T | G | 0.8075 | 0.105   | 6.95E-11 | 43  |
| GCST90274765 | rs9271727   | A | G | 0.315  | -0.0887 | 3.61E-11 | 44  |
| GCST90274765 | rs9271728   | T | C | 0.6764 | 0.0898  | 5.57E-11 | 43  |
| GCST90274765 | rs1979848   | A | T | 0.8977 | 0.1977  | 1.78E-23 | 100 |
| GCST90274765 | rs1980496   | T | C | 0.3669 | -0.0787 | 1.57E-10 | 41  |
| GCST90274765 | rs199526678 | A | G | 0.9349 | -0.4592 | 4.64E-45 | 198 |
| GCST90274765 | rs199661956 | T | C | 0.9135 | -0.2576 | 6.76E-25 | 106 |
| GCST90274765 | rs9271775   | T | C | 0.7863 | -0.2163 | 9.49E-48 | 211 |
| GCST90274765 | rs9271788   | A | G | 0.5456 | 0.1049  | 2.68E-17 | 72  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs9271789   | A | G | 0.4713 | -0.1087 | 2.03E-17 | 72  |
| GCST90274765 | rs35997662  | T | G | 0.8508 | -0.1647 | 7.92E-15 | 60  |
| GCST90274765 | rs36030018  | C | G | 0.0601 | 0.4695  | 1.81E-53 | 237 |
| GCST90274765 | rs36083025  | A | T | 0.8195 | 0.0942  | 4.33E-08 | 30  |
| GCST90274765 | rs10512861  | T | G | 0.1422 | -0.1894 | 3.76E-29 | 126 |
| GCST90274765 | rs1054684   | T | C | 0.8994 | 0.1124  | 1.91E-08 | 32  |
| GCST90274765 | rs10774625  | A | G | 0.4899 | 0.08    | 1.36E-09 | 37  |
| GCST90274765 | rs1079367   | T | C | 0.7186 | 0.1148  | 5.62E-19 | 79  |
| GCST90274765 | rs10804608  | C | G | 0.7583 | 0.1342  | 2.93E-18 | 76  |
| GCST90274765 | rs10804611  | A | G | 0.2823 | -0.1163 | 3.68E-19 | 80  |
| GCST90274765 | rs10804612  | A | C | 0.7163 | 0.1134  | 2.71E-18 | 76  |
| GCST90274765 | rs10814141  | A | G | 0.1655 | 0.1092  | 2.56E-12 | 49  |
| GCST90274765 | rs10935011  | A | G | 0.1608 | -0.1603 | 2.36E-23 | 99  |
| GCST90274765 | rs10935012  | T | C | 0.0286 | -0.2254 | 9.07E-10 | 38  |
| GCST90274765 | rs10935013  | A | G | 0.1181 | -0.2295 | 1.05E-35 | 156 |
| GCST90274765 | rs10935018  | T | C | 0.1409 | -0.1924 | 1.07E-29 | 128 |
| GCST90274765 | rs10935021  | A | G | 0.7498 | 0.1214  | 1.31E-19 | 82  |
| GCST90274765 | rs10935027  | A | G | 0.122  | -0.2082 | 2.65E-30 | 131 |
| GCST90274765 | rs10947251  | A | G | 0.08   | 0.2885  | 2.80E-31 | 135 |
| GCST90274765 | rs10947260  | T | C | 0.901  | -0.1934 | 2.53E-21 | 90  |
| GCST90274765 | rs10947261  | T | G | 0.107  | 0.2037  | 2.67E-25 | 108 |
| GCST90274765 | rs10947262  | T | C | 0.1073 | 0.2036  | 2.82E-25 | 108 |
| GCST90274765 | rs10947263  | T | C | 0.1073 | 0.2036  | 2.82E-25 | 108 |
| GCST90274765 | rs10947264  | A | G | 0.8907 | -0.203  | 2.66E-22 | 94  |
| GCST90274765 | rs10947310  | A | G | 0.8857 | -0.1419 | 7.13E-12 | 47  |
| GCST90274765 | rs10972202  | T | C | 0.1384 | 0.1417  | 7.73E-17 | 69  |
| GCST90274765 | rs10972207  | A | T | 0.1686 | 0.1124  | 5.80E-13 | 52  |
| GCST90274765 | rs10972208  | A | G | 0.167  | 0.1109  | 1.62E-12 | 50  |
| GCST90274765 | rs10972217  | A | G | 0.8489 | -0.1277 | 7.28E-13 | 51  |
| GCST90274765 | rs111335405 | A | G | 0.9354 | -0.4772 | 7.67E-52 | 229 |
| GCST90274765 | rs111477174 | A | G | 0.5432 | 0.0919  | 2.30E-12 | 49  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs111563612 | A | T | 0.9229 | 0.1359  | 4.26E-08 | 30  |
| GCST90274765 | rs111903208 | T | G | 0.9406 | -0.4759 | 2.63E-56 | 250 |
| GCST90274765 | rs112032264 | C | G | 0.0599 | 0.4753  | 1.87E-55 | 246 |
| GCST90274765 | rs112117693 | T | C | 0.0595 | 0.4744  | 2.52E-56 | 250 |
| GCST90274765 | rs112126444 | A | G | 0.1011 | -0.201  | 5.50E-24 | 102 |
| GCST90274765 | rs1121800   | A | T | 0.3967 | 0.0757  | 2.82E-10 | 40  |
| GCST90274765 | rs112214454 | A | G | 0.8356 | -0.093  | 1.74E-08 | 32  |
| GCST90274765 | rs112317305 | T | C | 0.9405 | -0.4708 | 1.68E-55 | 246 |
| GCST90274765 | rs112466823 | T | C | 0.0596 | 0.472   | 8.94E-56 | 248 |
| GCST90274765 | rs112485576 | A | C | 0.1687 | -0.0888 | 2.86E-08 | 31  |
| GCST90274765 | rs112535219 | A | T | 0.9404 | -0.4722 | 8.04E-56 | 248 |
| GCST90274765 | rs112574398 | T | G | 0.0594 | 0.4728  | 5.86E-56 | 248 |
| GCST90274765 | rs112608098 | A | C | 0.0594 | 0.4726  | 6.52E-56 | 248 |
| GCST90274765 | rs112652539 | A | G | 0.678  | -0.0934 | 3.39E-09 | 35  |
| GCST90274765 | rs112670480 | A | T | 0.9404 | -0.4806 | 2.69E-56 | 250 |
| GCST90274765 | rs112819910 | T | G | 0.2418 | 0.1161  | 1.78E-10 | 41  |
| GCST90274765 | rs112880875 | A | G | 0.0917 | -0.2225 | 1.05E-26 | 114 |
| GCST90274765 | rs112894468 | T | C | 0.0993 | 0.1972  | 4.54E-19 | 80  |
| GCST90274765 | rs4713555   | T | G | 0.2784 | 0.0949  | 2.07E-12 | 49  |
| GCST90274765 | rs4713557   | A | G | 0.2122 | -0.088  | 2.08E-08 | 31  |
| GCST90274765 | rs4713570   | T | C | 0.2395 | -0.1106 | 6.77E-15 | 61  |
| GCST90274765 | rs4713586   | A | G | 0.9406 | -0.4726 | 6.52E-56 | 248 |
| GCST90274765 | rs4713588   | A | C | 0.0595 | 0.4992  | 4.44E-59 | 263 |
| GCST90274765 | rs4854559   | A | G | 0.8818 | 0.2276  | 3.82E-35 | 153 |
| GCST90274765 | rs4854645   | A | G | 0.487  | -0.0743 | 2.15E-10 | 40  |
| GCST90274765 | rs4854900   | A | G | 0.6231 | 0.0817  | 4.44E-11 | 43  |
| GCST90274765 | rs4935354   | T | C | 0.5822 | -0.0806 | 1.86E-11 | 45  |
| GCST90274765 | rs4947342   | A | G | 0.2377 | 0.0943  | 8.30E-12 | 47  |
| GCST90274765 | rs4947344   | T | C | 0.3173 | 0.135   | 2.32E-20 | 85  |
| GCST90274765 | rs9271535   | T | C | 0.3369 | -0.0828 | 1.38E-10 | 41  |
| GCST90274765 | rs3135342   | T | G | 0.2998 | -0.0754 | 3.85E-09 | 35  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs3135343   | T | C | 0.3029 | -0.0708 | 3.18E-08 | 31  |
| GCST90274765 | rs3135350   | T | C | 0.8552 | -0.1044 | 1.03E-09 | 37  |
| GCST90274765 | rs3135352   | A | C | 0.855  | -0.1039 | 1.23E-09 | 37  |
| GCST90274765 | rs3135359   | T | C | 0.2668 | 0.1581  | 1.38E-32 | 141 |
| GCST90274765 | rs3135365   | A | C | 0.7949 | -0.0994 | 1.36E-11 | 46  |
| GCST90274765 | rs3135377   | A | G | 0.2096 | 0.0958  | 5.32E-11 | 43  |
| GCST90274765 | rs3135384   | A | G | 0.1433 | 0.1049  | 8.23E-09 | 33  |
| GCST90274765 | rs3135385   | A | G | 0.2344 | 0.173   | 4.46E-35 | 153 |
| GCST90274765 | rs510564    | T | C | 0.8757 | -0.1553 | 2.31E-15 | 63  |
| GCST90274765 | rs515185    | A | T | 0.172  | -0.1007 | 5.86E-09 | 34  |
| GCST90274765 | rs529358641 | A | G | 0.08   | 0.2904  | 1.14E-31 | 137 |
| GCST90274765 | rs532965    | T | G | 0.8298 | 0.0904  | 1.06E-08 | 33  |
| GCST90274765 | rs535777    | C | G | 0.1261 | -0.1181 | 1.38E-10 | 41  |
| GCST90274765 | rs536322397 | T | C | 0.9339 | -0.4579 | 1.91E-46 | 205 |
| GCST90274765 | rs538473    | A | G | 0.1197 | 0.1503  | 1.05E-12 | 51  |
| GCST90274765 | rs539509361 | A | G | 0.6983 | 0.0938  | 2.88E-11 | 44  |
| GCST90274765 | rs542415189 | A | G | 0.2425 | 0.1224  | 1.13E-09 | 37  |
| GCST90274765 | rs543504257 | A | C | 0.8121 | -0.155  | 3.10E-08 | 31  |
| GCST90274765 | rs544634877 | T | C | 0.9094 | -0.4631 | 1.92E-21 | 90  |
| GCST90274765 | rs546704947 | A | T | 0.9361 | 0.201   | 6.38E-14 | 56  |
| GCST90274765 | rs547454879 | A | G | 0.7732 | 0.1253  | 4.43E-12 | 48  |
| GCST90274765 | rs547636337 | A | T | 0.2022 | -0.1086 | 3.44E-10 | 39  |
| GCST90274765 | rs55723336  | A | G | 0.3155 | 0.0986  | 2.85E-09 | 35  |
| GCST90274765 | rs55726578  | A | G | 0.9087 | 0.2189  | 6.69E-26 | 111 |
| GCST90274765 | rs55738762  | T | C | 0.0227 | 0.2774  | 1.64E-10 | 41  |
| GCST90274765 | rs558095162 | T | C | 0.4799 | -0.103  | 3.76E-15 | 62  |
| GCST90274765 | rs55916362  | A | G | 0.9077 | 0.2166  | 2.15E-25 | 108 |
| GCST90274765 | rs55944243  | A | G | 0.9582 | -0.4099 | 2.43E-37 | 163 |
| GCST90274765 | rs559861992 | T | G | 0.0639 | 0.4727  | 8.24E-47 | 206 |
| GCST90274765 | rs55993287  | A | G | 0.719  | 0.1143  | 7.97E-19 | 79  |
| GCST90274765 | rs56036302  | A | T | 0.9559 | -0.3777 | 2.48E-30 | 131 |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs114968544 | T | C | 0.9368 | -0.495  | 1.10E-56 | 252 |
| GCST90274765 | rs114969562 | A | T | 0.3013 | -0.0897 | 1.48E-10 | 41  |
| GCST90274765 | rs114991247 | T | C | 0.9371 | -0.4929 | 6.34E-57 | 253 |
| GCST90274765 | rs114996593 | T | C | 0.9401 | -0.4754 | 1.78E-55 | 246 |
| GCST90274765 | rs115016190 | T | C | 0.9295 | -0.4516 | 2.52E-57 | 255 |
| GCST90274765 | rs115020225 | T | C | 0.098  | 0.2013  | 7.46E-19 | 79  |
| GCST90274765 | rs115109434 | A | G | 0.7918 | -0.1463 | 1.48E-13 | 55  |
| GCST90274765 | rs115139056 | A | G | 0.063  | 0.4908  | 4.51E-55 | 244 |
| GCST90274765 | rs115214276 | C | G | 0.0615 | 0.4808  | 1.01E-59 | 266 |
| GCST90274765 | rs115222936 | T | G | 0.0632 | 0.4962  | 2.93E-53 | 236 |
| GCST90274765 | rs115225185 | T | C | 0.9768 | -0.2618 | 5.02E-10 | 39  |
| GCST90274765 | rs115231411 | T | C | 0.0607 | 0.4895  | 1.18E-62 | 279 |
| GCST90274765 | rs115237266 | A | G | 0.1003 | 0.1894  | 3.69E-18 | 75  |
| GCST90274765 | rs115262684 | A | G | 0.0598 | 0.4734  | 5.02E-55 | 244 |
| GCST90274765 | rs115276762 | T | C | 0.0613 | 0.4804  | 7.72E-53 | 234 |
| GCST90274765 | rs115341895 | T | C | 0.0607 | 0.4857  | 4.28E-57 | 254 |
| GCST90274765 | rs115350662 | A | T | 0.9357 | -0.5093 | 9.77E-54 | 238 |
| GCST90274765 | rs115391129 | T | G | 0.0418 | 0.4104  | 7.07E-38 | 166 |
| GCST90274765 | rs115493697 | A | G | 0.0604 | 0.4866  | 3.99E-61 | 272 |
| GCST90274765 | rs115503527 | A | G | 0.0633 | 0.4963  | 1.38E-55 | 247 |
| GCST90274765 | rs115530896 | C | G | 0.8909 | -0.205  | 1.64E-22 | 95  |
| GCST90274765 | rs115543900 | A | G | 0.0409 | 0.441   | 3.86E-34 | 148 |
| GCST90274765 | rs115573799 | T | C | 0.9368 | -0.4963 | 1.27E-56 | 251 |
| GCST90274765 | rs9268542   | A | G | 0.6195 | 0.076   | 3.36E-10 | 39  |
| GCST90274765 | rs9268544   | A | G | 0.3804 | -0.0763 | 2.87E-10 | 40  |
| GCST90274765 | rs9268545   | T | C | 0.6195 | 0.076   | 3.36E-10 | 39  |
| GCST90274765 | rs9268556   | T | C | 0.6195 | 0.0762  | 3.02E-10 | 40  |
| GCST90274765 | rs9268557   | T | C | 0.5216 | 0.0942  | 8.19E-16 | 65  |
| GCST90274765 | rs9268568   | A | G | 0.3842 | -0.0692 | 1.07E-08 | 33  |
| GCST90274765 | rs9268578   | A | G | 0.6155 | 0.0695  | 9.26E-09 | 33  |
| GCST90274765 | rs9268579   | A | G | 0.3844 | -0.0695 | 9.26E-09 | 33  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs9268580   | C | G | 0.3844 | -0.0697 | 8.39E-09 | 33  |
| GCST90274765 | rs9268582   | T | C | 0.3843 | -0.0697 | 8.39E-09 | 33  |
| GCST90274765 | rs9268583   | T | G | 0.6154 | 0.0702  | 6.57E-09 | 34  |
| GCST90274765 | rs9268585   | T | G | 0.6157 | 0.0697  | 8.39E-09 | 33  |
| GCST90274765 | rs9268605   | A | G | 0.3923 | -0.0685 | 1.97E-08 | 32  |
| GCST90274765 | rs9268609   | A | G | 0.3877 | -0.0669 | 3.22E-08 | 31  |
| GCST90274765 | rs9268610   | T | C | 0.6131 | 0.0663  | 4.27E-08 | 30  |
| GCST90274765 | rs9268613   | T | C | 0.3878 | -0.066  | 4.91E-08 | 30  |
| GCST90274765 | rs9268615   | A | G | 0.3912 | -0.067  | 3.07E-08 | 31  |
| GCST90274765 | rs9268632   | C | G | 0.7001 | 0.0765  | 2.28E-09 | 36  |
| GCST90274765 | rs9268633   | A | G | 0.195  | 0.1056  | 1.92E-12 | 50  |
| GCST90274765 | rs9268635   | T | C | 0.1451 | 0.1032  | 1.59E-09 | 36  |
| GCST90274765 | rs9268641   | T | C | 0.2997 | -0.0776 | 1.34E-09 | 37  |
| GCST90274765 | rs9268652   | A | G | 0.2578 | 0.1563  | 5.34E-31 | 134 |
| GCST90274765 | rs9268653   | T | C | 0.1454 | 0.1031  | 1.65E-09 | 36  |
| GCST90274765 | rs9268657   | A | G | 0.3858 | -0.0721 | 2.54E-09 | 36  |
| GCST90274765 | rs9268658   | A | G | 0.4489 | -0.0683 | 7.12E-09 | 34  |
| GCST90274765 | rs9268659   | T | C | 0.448  | 0.0866  | 2.15E-13 | 54  |
| GCST90274765 | rs9268668   | A | C | 0.5945 | -0.0855 | 1.04E-12 | 51  |
| GCST90274765 | rs9268670   | T | C | 0.4372 | 0.0818  | 4.14E-12 | 48  |
| GCST90274765 | rs9268671   | A | G | 0.3379 | 0.0926  | 1.28E-13 | 55  |
| GCST90274765 | rs9268673   | T | C | 0.4273 | -0.0705 | 3.13E-09 | 35  |
| GCST90274765 | rs9268677   | A | G | 0.4276 | -0.0702 | 3.65E-09 | 35  |
| GCST90274765 | rs9268681   | A | G | 0.4323 | -0.0747 | 4.82E-10 | 39  |
| GCST90274765 | rs9268682   | T | G | 0.4202 | -0.0721 | 2.54E-09 | 36  |
| GCST90274765 | rs9268684   | A | G | 0.4283 | -0.0717 | 2.30E-09 | 36  |
| GCST90274765 | rs9268686   | T | C | 0.5612 | -0.0822 | 4.93E-12 | 48  |
| GCST90274765 | rs116611418 | A | G | 0.5745 | 0.1081  | 7.41E-11 | 42  |
| GCST90274765 | rs116633385 | A | G | 0.0645 | 0.4738  | 4.58E-53 | 235 |
| GCST90274765 | rs116651290 | T | C | 0.0632 | 0.4929  | 1.56E-53 | 237 |
| GCST90274765 | rs116667074 | T | C | 0.1126 | -0.1057 | 3.13E-08 | 31  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs116672192 | A | G | 0.0188 | 0.524   | 3.18E-25 | 108 |
| GCST90274765 | rs116707510 | C | G | 0.0697 | 0.4687  | 1.89E-40 | 177 |
| GCST90274765 | rs116708054 | T | C | 0.9354 | -0.4726 | 1.64E-51 | 228 |
| GCST90274765 | rs116758467 | A | T | 0.0416 | 0.4094  | 1.06E-37 | 165 |
| GCST90274765 | rs116758859 | T | C | 0.2332 | 0.1215  | 5.68E-10 | 38  |
| GCST90274765 | rs116763083 | A | T | 0.0615 | 0.5174  | 1.60E-59 | 265 |
| GCST90274765 | rs62291504  | T | G | 0.1188 | -0.214  | 2.89E-31 | 135 |
| GCST90274765 | rs62291553  | T | C | 0.1189 | -0.2144 | 1.06E-31 | 137 |
| GCST90274765 | rs62291556  | A | T | 0.1191 | -0.2149 | 7.66E-32 | 138 |
| GCST90274765 | rs3016016   | A | G | 0.1743 | 0.0921  | 8.60E-09 | 33  |
| GCST90274765 | rs3021059   | T | C | 0.2511 | 0.0894  | 9.28E-11 | 42  |
| GCST90274765 | rs3021060   | C | G | 0.2378 | 0.095   | 5.82E-12 | 47  |
| GCST90274765 | rs3021061   | C | G | 0.7599 | -0.0943 | 5.85E-12 | 47  |
| GCST90274765 | rs3021062   | T | C | 0.2382 | 0.0927  | 1.85E-11 | 45  |
| GCST90274765 | rs3087243   | A | G | 0.4279 | -0.0729 | 2.30E-09 | 36  |
| GCST90274765 | rs3094595   | T | G | 0.603  | -0.0754 | 3.31E-10 | 39  |
| GCST90274765 | rs3104369   | T | C | 0.2806 | 0.1657  | 3.83E-36 | 158 |
| GCST90274765 | rs3104372   | T | C | 0.205  | -0.1048 | 1.66E-10 | 41  |
| GCST90274765 | rs3104373   | T | C | 0.1482 | 0.1149  | 1.39E-11 | 46  |
| GCST90274765 | rs9275542   | T | C | 0.2274 | -0.0867 | 7.80E-10 | 38  |
| GCST90274765 | rs9275545   | T | C | 0.2346 | -0.0918 | 7.23E-10 | 38  |
| GCST90274765 | rs9275547   | T | G | 0.7761 | 0.0846  | 4.23E-09 | 35  |
| GCST90274765 | rs9275548   | T | C | 0.2274 | -0.0869 | 7.13E-10 | 38  |
| GCST90274765 | rs9275555   | T | C | 0.2273 | -0.0869 | 7.13E-10 | 38  |
| GCST90274765 | rs9275558   | T | G | 0.2273 | -0.0871 | 6.52E-10 | 38  |
| GCST90274765 | rs9275561   | T | C | 0.2264 | -0.0876 | 6.87E-10 | 38  |
| GCST90274765 | rs4959027   | A | G | 0.2101 | 0.0957  | 5.57E-11 | 43  |
| GCST90274765 | rs4959028   | A | G | 0.9104 | -0.2464 | 3.82E-28 | 121 |
| GCST90274765 | rs4959030   | A | G | 0.1498 | 0.1077  | 2.37E-10 | 40  |
| GCST90274765 | rs4959031   | T | C | 0.0656 | 0.4834  | 8.05E-55 | 243 |
| GCST90274765 | rs4959100   | T | C | 0.1125 | 0.1691  | 1.53E-19 | 82  |

|              |           |   |   |        |         |          |     |
|--------------|-----------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs4988820 | T | C | 0.2996 | -0.0754 | 3.85E-09 | 35  |
| GCST90274765 | rs4988822 | T | C | 0.2999 | -0.0756 | 3.50E-09 | 35  |
| GCST90274765 | rs5000563 | A | G | 0.6999 | 0.0756  | 3.50E-09 | 35  |
| GCST90274765 | rs502055  | T | C | 0.7159 | 0.0822  | 2.56E-10 | 40  |
| GCST90274765 | rs502771  | T | C | 0.7162 | 0.0827  | 2.00E-10 | 40  |
| GCST90274765 | rs9275585 | T | C | 0.7727 | 0.0874  | 5.70E-10 | 38  |
| GCST90274765 | rs9275586 | T | G | 0.2338 | -0.0911 | 9.71E-10 | 37  |
| GCST90274765 | rs9275590 | T | C | 0.7779 | 0.0867  | 1.34E-09 | 37  |
| GCST90274765 | rs9275591 | T | C | 0.2213 | -0.087  | 1.17E-09 | 37  |
| GCST90274765 | rs9275593 | A | G | 0.2217 | -0.0857 | 2.06E-09 | 36  |
| GCST90274765 | rs9275595 | T | C | 0.7772 | 0.0848  | 3.03E-09 | 35  |
| GCST90274765 | rs9275602 | A | C | 0.1681 | -0.1072 | 3.66E-11 | 44  |
| GCST90274765 | rs9276625 | A | G | 0.1058 | -0.1064 | 4.86E-08 | 30  |
| GCST90274765 | rs9276731 | T | G | 0.1056 | -0.1063 | 5.00E-08 | 30  |
| GCST90274765 | rs928815  | T | G | 0.3966 | 0.0758  | 2.67E-10 | 40  |
| GCST90274765 | rs9289430 | A | G | 0.5257 | 0.0751  | 1.37E-10 | 41  |
| GCST90274765 | rs9296013 | A | C | 0.9582 | -0.4019 | 2.79E-37 | 163 |
| GCST90274765 | rs9296027 | C | G | 0.8727 | -0.1716 | 5.40E-22 | 93  |
| GCST90274765 | rs9380309 | A | G | 0.5885 | 0.0743  | 4.68E-08 | 30  |
| GCST90274765 | rs9394101 | A | G | 0.5269 | 0.0841  | 1.72E-11 | 45  |
| GCST90274765 | rs9408254 | A | G | 0.1518 | 0.1191  | 2.74E-13 | 53  |
| GCST90274765 | rs9461747 | T | C | 0.083  | 0.2553  | 4.20E-29 | 125 |
| GCST90274765 | rs9469099 | A | G | 0.0426 | 0.4113  | 1.93E-39 | 173 |
| GCST90274765 | rs9469109 | A | T | 0.873  | -0.1716 | 5.40E-22 | 93  |
| GCST90274765 | rs9469110 | T | G | 0.1127 | 0.1673  | 3.67E-19 | 80  |
| GCST90274765 | rs9469114 | T | G | 0.083  | 0.2558  | 3.28E-29 | 126 |
| GCST90274765 | rs9469118 | T | G | 0.8951 | -0.2083 | 6.97E-26 | 111 |
| GCST90274765 | rs9469119 | A | C | 0.1047 | 0.208   | 8.19E-26 | 110 |
| GCST90274765 | rs9469127 | C | G | 0.9365 | -0.4884 | 1.41E-69 | 311 |
| GCST90274765 | rs9501173 | A | G | 0.08   | 0.2902  | 1.25E-31 | 137 |
| GCST90274765 | rs9501174 | A | G | 0.08   | 0.2902  | 1.25E-31 | 137 |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs9501176  | C | G | 0.0796 | 0.2918  | 5.83E-32 | 138 |
| GCST90274765 | rs9501178  | A | C | 0.92   | -0.2901 | 1.31E-31 | 137 |
| GCST90274765 | rs9501179  | A | G | 0.0801 | 0.2918  | 5.83E-32 | 138 |
| GCST90274765 | rs9501400  | A | G | 0.1304 | 0.1754  | 1.21E-23 | 100 |
| GCST90274765 | rs9501626  | A | C | 0.1122 | 0.1701  | 1.46E-19 | 82  |
| GCST90274765 | rs951005   | A | G | 0.836  | -0.1104 | 2.80E-12 | 49  |
| GCST90274765 | rs951006   | A | G | 0.8361 | -0.1088 | 4.21E-12 | 48  |
| GCST90274765 | rs960792   | T | C | 0.5276 | 0.0754  | 3.31E-10 | 39  |
| GCST90274765 | rs9637394  | T | C | 0.8811 | 0.2133  | 2.15E-31 | 136 |
| GCST90274765 | rs965559   | A | T | 0.1648 | 0.1098  | 2.68E-12 | 49  |
| GCST90274765 | rs9657621  | C | G | 0.1521 | 0.1208  | 2.46E-13 | 54  |
| GCST90274765 | rs9657622  | A | T | 0.8436 | -0.1234 | 5.30E-14 | 57  |
| GCST90274765 | rs9689836  | A | T | 0.8626 | -0.1693 | 2.22E-20 | 86  |
| GCST90274765 | rs9696223  | T | G | 0.1496 | 0.1273  | 1.15E-12 | 51  |
| GCST90274765 | rs9767620  | T | C | 0.9032 | -0.22   | 1.27E-26 | 114 |
| GCST90274765 | rs980605   | T | C | 0.0798 | 0.2909  | 1.56E-31 | 136 |
| GCST90274765 | rs9813230  | T | C | 0.5135 | 0.0745  | 1.34E-10 | 41  |
| GCST90274765 | rs9818117  | T | C | 0.4221 | -0.0843 | 5.80E-13 | 52  |
| GCST90274765 | rs9825750  | T | C | 0.4758 | -0.0746 | 1.82E-10 | 41  |
| GCST90274765 | rs9826522  | T | C | 0.5132 | 0.0734  | 2.49E-10 | 40  |
| GCST90274765 | rs9828393  | C | G | 0.3743 | -0.0756 | 5.77E-10 | 38  |
| GCST90274765 | rs67813643 | T | G | 0.7929 | -0.135  | 1.71E-14 | 59  |
| GCST90274765 | rs67838634 | A | G | 0.5339 | 0.0848  | 4.91E-11 | 43  |
| GCST90274765 | rs6785606  | A | G | 0.4758 | -0.0745 | 1.92E-10 | 41  |
| GCST90274765 | rs678770   | A | T | 0.2446 | -0.0914 | 9.04E-11 | 42  |
| GCST90274765 | rs6792074  | A | G | 0.2843 | -0.1121 | 6.52E-18 | 74  |
| GCST90274765 | rs679242   | T | G | 0.1732 | -0.0947 | 1.73E-08 | 32  |
| GCST90274765 | rs6792616  | T | C | 0.1599 | -0.1586 | 6.79E-23 | 97  |
| GCST90274765 | rs6793196  | A | G | 0.4875 | -0.0746 | 1.27E-10 | 41  |
| GCST90274765 | rs6794333  | A | G | 0.1611 | -0.1588 | 6.00E-23 | 97  |
| GCST90274765 | rs6800166  | A | G | 0.5264 | 0.0749  | 1.54E-10 | 41  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs6804354  | A | G | 0.474  | -0.0747 | 1.72E-10 | 41  |
| GCST90274765 | rs6804469  | T | C | 0.5068 | 0.0717  | 1.23E-09 | 37  |
| GCST90274765 | rs6806003  | T | C | 0.6179 | 0.0827  | 3.69E-11 | 44  |
| GCST90274765 | rs68148149 | A | C | 0.6734 | -0.0843 | 7.74E-09 | 33  |
| GCST90274765 | rs687308   | T | C | 0.17   | -0.0899 | 1.57E-08 | 32  |
| GCST90274765 | rs6904608  | T | C | 0.5726 | -0.071  | 2.43E-09 | 36  |
| GCST90274765 | rs6904636  | T | C | 0.5727 | -0.071  | 2.43E-09 | 36  |
| GCST90274765 | rs6905122  | T | C | 0.9749 | -0.2556 | 3.57E-09 | 35  |
| GCST90274765 | rs6905503  | T | G | 0.9748 | -0.2405 | 6.97E-10 | 38  |
| GCST90274765 | rs6911419  | T | C | 0.5508 | 0.0675  | 1.06E-08 | 33  |
| GCST90274765 | rs6912382  | T | C | 0.0742 | 0.202   | 2.87E-17 | 71  |
| GCST90274765 | rs6912728  | T | G | 0.4268 | -0.0708 | 2.69E-09 | 35  |
| GCST90274765 | rs6922257  | A | G | 0.0826 | 0.3536  | 7.54E-47 | 207 |
| GCST90274765 | rs6925336  | T | C | 0.0249 | 0.2389  | 3.66E-09 | 35  |
| GCST90274765 | rs6925520  | A | G | 0.0251 | 0.2584  | 2.21E-09 | 36  |
| GCST90274765 | rs6926374  | A | G | 0.5508 | 0.0673  | 1.17E-08 | 33  |
| GCST90274765 | rs6929398  | A | G | 0.7651 | 0.0851  | 1.21E-09 | 37  |
| GCST90274765 | rs6931277  | A | T | 0.8289 | 0.0909  | 8.76E-09 | 33  |
| GCST90274765 | rs6931646  | T | C | 0.449  | -0.0678 | 9.15E-09 | 33  |
| GCST90274765 | rs6936204  | T | C | 0.3507 | 0.0698  | 1.81E-08 | 32  |
| GCST90274765 | rs6938382  | A | G | 0.0961 | 0.2206  | 9.26E-27 | 115 |
| GCST90274765 | rs6938928  | T | C | 0.8052 | -0.1063 | 6.96E-11 | 43  |
| GCST90274765 | rs6938929  | A | T | 0.1993 | 0.1078  | 1.08E-10 | 42  |
| GCST90274765 | rs6940063  | T | C | 0.8152 | 0.086   | 1.53E-08 | 32  |
| GCST90274765 | rs7024727  | T | G | 0.137  | 0.1411  | 6.88E-17 | 70  |
| GCST90274765 | rs7029213  | A | G | 0.8631 | -0.1408 | 7.99E-17 | 69  |
| GCST90274765 | rs7045155  | T | G | 0.8354 | -0.1102 | 2.23E-12 | 49  |
| GCST90274765 | rs707952   | T | C | 0.2476 | -0.0823 | 3.20E-09 | 35  |
| GCST90274765 | rs7137828  | T | C | 0.5232 | -0.0779 | 6.12E-09 | 34  |
| GCST90274765 | rs71534541 | T | C | 0.8406 | -0.1544 | 6.28E-16 | 65  |
| GCST90274765 | rs71536504 | T | C | 0.1501 | 0.1437  | 5.32E-11 | 43  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs71542417 | A | G | 0.8609 | -0.1762 | 6.88E-20 | 83  |
| GCST90274765 | rs71549251 | A | G | 0.1697 | 0.1464  | 7.15E-13 | 52  |
| GCST90274765 | rs7192     | T | G | 0.4165 | 0.0815  | 1.11E-11 | 46  |
| GCST90274765 | rs7194     | A | G | 0.5831 | -0.0821 | 7.83E-12 | 47  |
| GCST90274765 | rs7195     | A | G | 0.4168 | 0.0822  | 7.38E-12 | 47  |
| GCST90274765 | rs7196     | A | T | 0.233  | 0.1724  | 7.59E-35 | 152 |
| GCST90274765 | rs7197     | T | C | 0.1974 | 0.1975  | 1.36E-39 | 173 |
| GCST90274765 | rs72508445 | A | T | 0.6655 | 0.1079  | 1.35E-09 | 37  |
| GCST90274765 | rs72508471 | A | G | 0.8168 | -0.1483 | 6.89E-14 | 56  |
| GCST90274765 | rs72739305 | A | G | 0.1513 | 0.1179  | 4.72E-13 | 52  |
| GCST90274765 | rs72848204 | T | G | 0.3438 | -0.0901 | 3.70E-13 | 53  |
| GCST90274765 | rs72851099 | T | C | 0.8287 | -0.1532 | 2.50E-14 | 58  |
| GCST90274765 | rs72853905 | A | G | 0.1776 | 0.1519  | 3.08E-14 | 58  |
| GCST90274765 | rs72990500 | A | G | 0.8396 | 0.1602  | 2.51E-23 | 99  |
| GCST90274765 | rs72992311 | A | C | 0.8388 | 0.1583  | 8.17E-23 | 97  |
| GCST90274765 | rs73397431 | A | C | 0.1905 | 0.155   | 1.88E-15 | 63  |
| GCST90274765 | rs73400844 | A | G | 0.902  | -0.1951 | 1.14E-19 | 82  |
| GCST90274765 | rs73400847 | A | G | 0.099  | 0.1936  | 1.95E-18 | 77  |
| GCST90274765 | rs73400852 | T | C | 0.0988 | 0.188   | 1.06E-19 | 82  |
| GCST90274765 | rs73400855 | C | G | 0.0977 | 0.1919  | 2.81E-20 | 85  |
| GCST90274765 | rs73400859 | A | G | 0.0988 | 0.1924  | 4.05E-21 | 89  |
| GCST90274765 | rs73400861 | A | G | 0.0988 | 0.1925  | 3.86E-21 | 89  |
| GCST90274765 | rs73400865 | A | G | 0.9012 | -0.1923 | 4.24E-21 | 89  |
| GCST90274765 | rs73400875 | T | C | 0.9012 | -0.1924 | 4.05E-21 | 89  |
| GCST90274765 | rs73400877 | C | G | 0.9012 | -0.1922 | 4.44E-21 | 89  |
| GCST90274765 | rs73400890 | A | G | 0.1073 | 0.2056  | 1.69E-25 | 109 |
| GCST90274765 | rs73400892 | A | G | 0.1059 | 0.2073  | 1.19E-25 | 110 |
| GCST90274765 | rs7340563  | T | G | 0.2844 | -0.1129 | 3.80E-18 | 75  |
| GCST90274765 | rs73726187 | A | G | 0.2351 | 0.1214  | 6.72E-11 | 43  |
| GCST90274765 | rs73727915 | T | C | 0.4719 | -0.0937 | 4.26E-08 | 30  |
| GCST90274765 | rs73738910 | A | C | 0.9748 | -0.2394 | 7.54E-10 | 38  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs73738912 | C | G | 0.0252 | 0.2407  | 6.75E-10 | 38  |
| GCST90274765 | rs73738914 | T | C | 0.0251 | 0.2426  | 5.48E-10 | 38  |
| GCST90274765 | rs73738916 | A | C | 0.025  | 0.2403  | 7.20E-10 | 38  |
| GCST90274765 | rs73738919 | T | C | 0.9748 | -0.2401 | 6.73E-10 | 38  |
| GCST90274765 | rs73738921 | C | G | 0.9749 | -0.242  | 6.04E-10 | 38  |
| GCST90274765 | rs73738923 | T | G | 0.0252 | 0.2418  | 5.65E-10 | 38  |
| GCST90274765 | rs7382085  | A | G | 0.7658 | -0.1732 | 3.73E-35 | 153 |
| GCST90274765 | rs7382354  | A | G | 0.7656 | -0.173  | 4.46E-35 | 153 |
| GCST90274765 | rs73860747 | T | C | 0.9079 | 0.2175  | 1.36E-25 | 109 |
| GCST90274765 | rs74290590 | C | G | 0.2766 | 0.099   | 2.67E-08 | 31  |
| GCST90274765 | rs74291249 | A | G | 0.2348 | -0.0878 | 3.58E-10 | 39  |
| GCST90274765 | rs743862   | T | C | 0.652  | 0.0834  | 1.15E-09 | 37  |
| GCST90274765 | rs74389891 | A | G | 0.0981 | 0.2004  | 1.21E-19 | 82  |
| GCST90274765 | rs74395243 | A | G | 0.0621 | 0.5161  | 4.08E-56 | 249 |
| GCST90274765 | rs74497914 | A | G | 0.899  | 0.1993  | 1.31E-23 | 100 |
| GCST90274765 | rs74506038 | C | G | 0.9012 | -0.1962 | 1.55E-19 | 82  |
| GCST90274765 | rs7451330  | T | C | 0.1505 | 0.0967  | 8.62E-09 | 33  |
| GCST90274765 | rs34141382 | T | C | 0.8499 | 0.1059  | 2.19E-09 | 36  |
| GCST90274765 | rs34195497 | A | G | 0.8005 | -0.1301 | 6.58E-13 | 52  |
| GCST90274765 | rs34291045 | A | T | 0.826  | 0.0978  | 8.77E-09 | 33  |
| GCST90274765 | rs34350244 | T | C | 0.1662 | -0.0951 | 6.68E-09 | 34  |
| GCST90274765 | rs34415150 | A | G | 0.8361 | 0.106   | 5.69E-10 | 38  |
| GCST90274765 | rs34496598 | T | C | 0.1689 | -0.1041 | 3.32E-09 | 35  |
| GCST90274765 | rs34553045 | T | C | 0.8361 | 0.102   | 1.97E-09 | 36  |
| GCST90274765 | rs34636506 | A | G | 0.5885 | 0.0682  | 2.94E-08 | 31  |
| GCST90274765 | rs34645444 | T | C | 0.3996 | 0.085   | 1.46E-08 | 32  |
| GCST90274765 | rs34647096 | A | G | 0.1645 | -0.0982 | 2.66E-09 | 35  |
| GCST90274765 | rs34763586 | T | C | 0.8197 | 0.1029  | 5.60E-11 | 43  |
| GCST90274765 | rs34855541 | A | G | 0.8295 | 0.093   | 9.43E-09 | 33  |
| GCST90274765 | rs1794530  | T | G | 0.8729 | 0.13    | 3.80E-13 | 53  |
| GCST90274765 | rs1810820  | A | G | 0.1678 | 0.1084  | 3.69E-12 | 48  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs182144635 | T | C | 0.2521 | 0.1357  | 5.65E-12 | 47  |
| GCST90274765 | rs182651216 | A | G | 0.6212 | -0.0977 | 1.02E-09 | 37  |
| GCST90274765 | rs1826962   | T | C | 0.803  | 0.1047  | 4.55E-11 | 43  |
| GCST90274765 | rs1831325   | A | G | 0.8353 | -0.1109 | 2.23E-12 | 49  |
| GCST90274765 | rs1831326   | A | G | 0.8358 | -0.1097 | 3.84E-12 | 48  |
| GCST90274765 | rs183885674 | A | G | 0.9375 | -0.5027 | 1.29E-54 | 242 |
| GCST90274765 | rs184252375 | T | C | 0.2143 | -0.1105 | 1.91E-09 | 36  |
| GCST90274765 | rs184329235 | C | G | 0.9368 | -0.5297 | 1.22E-57 | 256 |
| GCST90274765 | rs1846190   | A | G | 0.297  | -0.0798 | 6.17E-10 | 38  |
| GCST90274765 | rs186564411 | A | G | 0.9572 | -0.4858 | 3.21E-50 | 222 |
| GCST90274765 | rs1869862   | A | C | 0.5788 | 0.084   | 1.09E-12 | 51  |
| GCST90274765 | rs187272234 | T | C | 0.9552 | -0.4318 | 1.52E-36 | 159 |
| GCST90274765 | rs191032570 | A | T | 0.0641 | 0.4962  | 3.17E-55 | 245 |
| GCST90274765 | rs191809968 | A | G | 0.0632 | 0.5274  | 3.71E-57 | 254 |
| GCST90274765 | rs192376296 | A | G | 0.07   | 0.5811  | 9.36E-45 | 197 |
| GCST90274765 | rs1928577   | T | C | 0.1638 | 0.1109  | 2.23E-12 | 49  |
| GCST90274765 | rs193243151 | A | C | 0.0617 | 0.516   | 3.83E-58 | 258 |
| GCST90274765 | rs1001122   | T | C | 0.2815 | -0.1145 | 6.93E-19 | 79  |
| GCST90274765 | rs10122933  | T | C | 0.1499 | 0.1207  | 1.31E-13 | 55  |
| GCST90274765 | rs10124246  | T | G | 0.1661 | 0.111   | 1.55E-12 | 50  |
| GCST90274765 | rs10124310  | T | G | 0.1662 | 0.1102  | 2.23E-12 | 49  |
| GCST90274765 | rs10156624  | A | G | 0.8494 | -0.1198 | 2.78E-13 | 53  |
| GCST90274765 | rs1047989   | A | C | 0.5329 | -0.1006 | 9.25E-17 | 69  |
| GCST90274765 | rs1048709   | A | G | 0.1997 | 0.0942  | 2.58E-10 | 40  |
| GCST90274765 | rs10490862  | A | G | 0.8705 | 0.1993  | 1.00E-29 | 128 |
| GCST90274765 | rs10490863  | A | T | 0.8392 | 0.1625  | 1.12E-23 | 101 |
| GCST90274765 | rs10512843  | A | G | 0.8386 | 0.1602  | 2.51E-23 | 99  |
| GCST90274765 | rs2010811   | A | G | 0.2583 | -0.1324 | 1.82E-18 | 77  |
| GCST90274765 | rs201117812 | A | G | 0.1234 | 0.1403  | 2.37E-09 | 36  |
| GCST90274765 | rs201854374 | T | C | 0.7035 | -0.097  | 3.56E-08 | 30  |
| GCST90274765 | rs2021905   | A | G | 0.946  | -0.2782 | 1.01E-24 | 105 |

|              |           |   |   |        |         |          |     |
|--------------|-----------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs2022669 | T | C | 0.9177 | -0.2444 | 6.20E-25 | 106 |
| GCST90274765 | rs2027856 | A | G | 0.1124 | 0.1703  | 1.32E-19 | 82  |
| GCST90274765 | rs2061194 | A | G | 0.5259 | 0.0746  | 1.82E-10 | 41  |
| GCST90274765 | rs2061196 | A | G | 0.5249 | 0.0751  | 1.37E-10 | 41  |
| GCST90274765 | rs2073045 | A | G | 0.3579 | -0.0823 | 9.15E-11 | 42  |
| GCST90274765 | rs2097432 | T | C | 0.7647 | 0.0888  | 1.55E-08 | 32  |
| GCST90274765 | rs2097441 | A | C | 0.573  | 0.0717  | 1.69E-09 | 36  |
| GCST90274765 | rs2105898 | T | G | 0.2081 | 0.2275  | 3.59E-48 | 213 |
| GCST90274765 | rs2133692 | T | C | 0.5257 | 0.0748  | 1.62E-10 | 41  |
| GCST90274765 | rs2133694 | A | G | 0.4871 | -0.0742 | 1.59E-10 | 41  |
| GCST90274765 | rs2157051 | A | G | 0.6478 | -0.1431 | 5.13E-29 | 125 |
| GCST90274765 | rs2157332 | T | C | 0.3843 | -0.0693 | 1.02E-08 | 33  |
| GCST90274765 | rs2187668 | T | C | 0.1311 | -0.122  | 4.15E-12 | 48  |
| GCST90274765 | rs2187818 | T | G | 0.3843 | -0.0697 | 8.39E-09 | 33  |
| GCST90274765 | rs2187822 | A | C | 0.5179 | 0.0843  | 1.00E-09 | 37  |
| GCST90274765 | rs2210069 | A | T | 0.1637 | 0.1105  | 2.68E-12 | 49  |
| GCST90274765 | rs2213581 | T | C | 0.2098 | 0.0961  | 4.64E-11 | 43  |
| GCST90274765 | rs2213584 | A | G | 0.4167 | 0.0818  | 9.32E-12 | 46  |
| GCST90274765 | rs2213585 | A | G | 0.5832 | -0.0815 | 1.11E-11 | 46  |
| GCST90274765 | rs2213586 | A | G | 0.4162 | 0.0813  | 8.38E-12 | 47  |
| GCST90274765 | rs2227139 | A | G | 0.5834 | -0.0817 | 9.87E-12 | 46  |
| GCST90274765 | rs2239704 | A | C | 0.3977 | 0.0756  | 2.98E-10 | 40  |
| GCST90274765 | rs2239802 | C | G | 0.2317 | 0.1737  | 2.39E-35 | 154 |
| GCST90274765 | rs2239804 | T | C | 0.5511 | 0.068   | 8.28E-09 | 33  |
| GCST90274765 | rs2244578 | C | G | 0.7211 | -0.0744 | 1.74E-08 | 32  |
| GCST90274765 | rs2249561 | T | C | 0.164  | 0.1099  | 3.51E-12 | 48  |
| GCST90274765 | rs2263310 | A | G | 0.1749 | 0.0843  | 4.40E-08 | 30  |
| GCST90274765 | rs2270801 | A | G | 0.1197 | -0.224  | 1.89E-34 | 150 |
| GCST90274765 | rs2271490 | T | C | 0.8773 | 0.2057  | 2.58E-29 | 126 |
| GCST90274765 | rs2271491 | A | G | 0.8773 | 0.2052  | 3.52E-29 | 126 |
| GCST90274765 | rs2305625 | T | C | 0.1181 | -0.2262 | 2.23E-34 | 150 |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs2305626   | A | C | 0.8814 | 0.2144  | 2.24E-31 | 136 |
| GCST90274765 | rs2305627   | T | C | 0.2418 | -0.1342 | 2.93E-18 | 76  |
| GCST90274765 | rs2305629   | T | C | 0.7132 | 0.1109  | 1.45E-17 | 73  |
| GCST90274765 | rs2369801   | A | G | 0.8821 | 0.2294  | 1.12E-35 | 155 |
| GCST90274765 | rs2369802   | A | G | 0.4871 | -0.0751 | 9.54E-11 | 42  |
| GCST90274765 | rs2395148   | T | G | 0.0426 | 0.4084  | 6.53E-39 | 170 |
| GCST90274765 | rs2395149   | A | G | 0.1128 | -0.1042 | 4.88E-08 | 30  |
| GCST90274765 | rs2395150   | A | G | 0.5796 | -0.076  | 1.70E-10 | 41  |
| GCST90274765 | rs2395151   | A | G | 0.1226 | -0.1102 | 2.11E-09 | 36  |
| GCST90274765 | rs2395160   | A | G | 0.1128 | -0.1077 | 1.71E-08 | 32  |
| GCST90274765 | rs113023734 | A | G | 0.2871 | 0.1088  | 7.16E-09 | 33  |
| GCST90274765 | rs113078228 | T | C | 0.8984 | 0.2004  | 1.25E-23 | 100 |
| GCST90274765 | rs113138578 | A | G | 0.9406 | -0.4747 | 4.94E-56 | 249 |
| GCST90274765 | rs113140854 | T | C | 0.0643 | 0.5099  | 1.28E-52 | 233 |
| GCST90274765 | rs113194380 | T | C | 0.0598 | 0.4751  | 9.16E-56 | 247 |
| GCST90274765 | rs113320073 | A | G | 0.0836 | 0.2542  | 7.23E-29 | 124 |
| GCST90274765 | rs113358109 | A | C | 0.0957 | 0.2034  | 3.07E-21 | 90  |
| GCST90274765 | rs113408797 | A | G | 0.9091 | 0.2297  | 7.58E-28 | 120 |
| GCST90274765 | rs113529604 | A | G | 0.065  | 0.4535  | 5.43E-44 | 194 |
| GCST90274765 | rs113601089 | T | C | 0.2334 | 0.1519  | 1.25E-14 | 59  |
| GCST90274765 | rs113666293 | C | G | 0.0606 | 0.4692  | 8.78E-55 | 243 |
| GCST90274765 | rs113773636 | C | G | 0.9403 | -0.4762 | 5.15E-56 | 249 |
| GCST90274765 | rs113928914 | A | G | 0.0834 | 0.2538  | 8.81E-29 | 124 |
| GCST90274765 | rs113965088 | A | G | 0.179  | 0.1278  | 1.97E-09 | 36  |
| GCST90274765 | rs114025574 | A | G | 0.0625 | 0.4974  | 1.75E-55 | 246 |
| GCST90274765 | rs114165089 | T | C | 0.0417 | 0.4054  | 1.13E-37 | 165 |
| GCST90274765 | rs114170927 | T | C | 0.7052 | -0.0935 | 4.56E-08 | 30  |
| GCST90274765 | rs114218404 | A | T | 0.9404 | -0.4734 | 4.27E-56 | 249 |
| GCST90274765 | rs1142338   | T | C | 0.0437 | 0.4001  | 8.62E-32 | 138 |
| GCST90274765 | rs114263604 | T | C | 0.0706 | 0.3316  | 1.78E-30 | 132 |
| GCST90274765 | rs114307375 | C | G | 0.9351 | -0.4844 | 1.07E-54 | 243 |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs114307619 | A | T | 0.0606 | 0.4873  | 1.06E-61 | 275 |
| GCST90274765 | rs114308959 | A | G | 0.939  | -0.4866 | 1.57E-61 | 274 |
| GCST90274765 | rs114309058 | A | G | 0.4515 | -0.0947 | 1.08E-12 | 51  |
| GCST90274765 | rs114310549 | A | G | 0.0643 | 0.485   | 1.62E-55 | 246 |
| GCST90274765 | rs114325417 | A | C | 0.0598 | 0.4745  | 2.84E-55 | 245 |
| GCST90274765 | rs114394166 | T | C | 0.0979 | 0.194   | 1.09E-20 | 87  |
| GCST90274765 | rs114437758 | A | G | 0.9677 | -0.41   | 6.24E-33 | 143 |
| GCST90274765 | rs114500718 | T | G | 0.7081 | -0.0943 | 2.91E-08 | 31  |
| GCST90274765 | rs114577774 | A | C | 0.0231 | 0.2619  | 4.94E-10 | 39  |
| GCST90274765 | rs114598250 | T | C | 0.0692 | 0.4606  | 2.45E-39 | 172 |
| GCST90274765 | rs114612036 | T | C | 0.9385 | -0.4313 | 1.00E-48 | 215 |
| GCST90274765 | rs114618396 | T | C | 0.0634 | 0.5246  | 2.51E-54 | 241 |
| GCST90274765 | rs114685974 | A | G | 0.0595 | 0.5134  | 2.21E-62 | 278 |
| GCST90274765 | rs114744294 | A | G | 0.9405 | -0.4713 | 2.94E-55 | 245 |
| GCST90274765 | rs114785354 | A | G | 0.7869 | -0.1412 | 9.94E-13 | 51  |
| GCST90274765 | rs114795214 | T | C | 0.2601 | 0.1674  | 2.13E-15 | 63  |
| GCST90274765 | rs114799674 | A | C | 0.0632 | 0.4968  | 9.87E-57 | 252 |
| GCST90274765 | rs114801596 | T | G | 0.9387 | -0.4788 | 3.76E-53 | 236 |
| GCST90274765 | rs114895321 | A | G | 0.9321 | -0.4911 | 1.80E-45 | 200 |
| GCST90274765 | rs114926982 | A | G | 0.9427 | -0.5264 | 2.64E-58 | 259 |
| GCST90274765 | rs114928941 | T | G | 0.9592 | -0.4228 | 3.77E-39 | 171 |
| GCST90274765 | rs114929610 | A | C | 0.0636 | 0.4881  | 7.97E-55 | 243 |
| GCST90274765 | rs114933571 | A | G | 0.9379 | -0.5474 | 1.16E-57 | 256 |
| GCST90274765 | rs2647044   | A | G | 0.1322 | -0.1402 | 1.43E-12 | 50  |
| GCST90274765 | rs2647045   | A | G | 0.2446 | 0.0894  | 6.78E-11 | 43  |
| GCST90274765 | rs2647059   | C | G | 0.1719 | -0.0937 | 2.44E-08 | 31  |
| GCST90274765 | rs2647066   | T | C | 0.1699 | -0.0928 | 6.63E-09 | 34  |
| GCST90274765 | rs2647092   | T | C | 0.2443 | -0.0978 | 1.53E-11 | 45  |
| GCST90274765 | rs2760975   | A | G | 0.1823 | -0.1181 | 8.70E-12 | 47  |
| GCST90274765 | rs2760976   | T | C | 0.1632 | -0.0992 | 5.37E-09 | 34  |
| GCST90274765 | rs2760980   | A | G | 0.1692 | -0.1015 | 3.61E-09 | 35  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs2760983   | A | G | 0.8319 | 0.1023  | 2.20E-09 | 36  |
| GCST90274765 | rs2760985   | A | G | 0.1661 | -0.0978 | 1.57E-09 | 36  |
| GCST90274765 | rs2772526   | C | G | 0.8498 | -0.1182 | 5.71E-13 | 52  |
| GCST90274765 | rs9268118   | T | C | 0.1497 | 0.097   | 1.16E-08 | 33  |
| GCST90274765 | rs9268123   | A | G | 0.8868 | 0.1048  | 4.09E-08 | 30  |
| GCST90274765 | rs9268138   | A | G | 0.1477 | 0.0958  | 1.44E-08 | 32  |
| GCST90274765 | rs9268144   | T | C | 0.8873 | 0.1056  | 3.22E-08 | 31  |
| GCST90274765 | rs9268152   | T | C | 0.1128 | -0.1061 | 2.78E-08 | 31  |
| GCST90274765 | rs9268158   | T | C | 0.1129 | -0.1065 | 2.46E-08 | 31  |
| GCST90274765 | rs9268177   | A | C | 0.1128 | -0.1066 | 2.39E-08 | 31  |
| GCST90274765 | rs9268178   | T | C | 0.1131 | -0.1057 | 3.13E-08 | 31  |
| GCST90274765 | rs9268219   | T | G | 0.8994 | 0.1144  | 3.27E-08 | 31  |
| GCST90274765 | rs9268235   | T | C | 0.1128 | -0.1052 | 3.63E-08 | 30  |
| GCST90274765 | rs9268321   | A | G | 0.1475 | 0.0949  | 2.37E-08 | 31  |
| GCST90274765 | rs9268528   | A | G | 0.6234 | 0.073   | 1.61E-09 | 36  |
| GCST90274765 | rs6778615   | A | G | 0.3735 | -0.0792 | 2.36E-10 | 40  |
| GCST90274765 | rs9271191   | T | C | 0.1688 | 0.1153  | 2.93E-13 | 53  |
| GCST90274765 | rs9271203   | T | C | 0.1691 | 0.1158  | 2.32E-13 | 54  |
| GCST90274765 | rs9271222   | T | C | 0.8553 | -0.1071 | 4.84E-09 | 34  |
| GCST90274765 | rs9271237   | A | G | 0.717  | 0.0786  | 3.87E-08 | 30  |
| GCST90274765 | rs9271238   | T | C | 0.2829 | -0.0783 | 4.36E-08 | 30  |
| GCST90274765 | rs9271256   | A | G | 0.1692 | 0.1166  | 1.59E-13 | 54  |
| GCST90274765 | rs9271301   | T | C | 0.2841 | -0.0819 | 4.05E-10 | 39  |
| GCST90274765 | rs9271333   | T | C | 0.2868 | -0.0826 | 2.88E-10 | 40  |
| GCST90274765 | rs9271334   | A | C | 0.7157 | 0.082   | 2.83E-10 | 40  |
| GCST90274765 | rs9271342   | C | G | 0.252  | -0.0936 | 5.89E-12 | 47  |
| GCST90274765 | rs9271344   | T | C | 0.6461 | 0.1061  | 6.35E-18 | 74  |
| GCST90274765 | rs9271347   | A | G | 0.1601 | 0.1182  | 7.86E-13 | 51  |
| GCST90274765 | rs141716116 | T | C | 0.1406 | -0.1269 | 9.35E-09 | 33  |
| GCST90274765 | rs141727949 | A | C | 0.9119 | 0.2136  | 4.36E-24 | 102 |
| GCST90274765 | rs141748883 | T | C | 0.9367 | -0.4816 | 3.45E-51 | 227 |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs1427678   | A | G | 0.4845 | -0.0754 | 1.20E-09 | 37  |
| GCST90274765 | rs143229898 | A | G | 0.0419 | 0.4013  | 3.56E-37 | 162 |
| GCST90274765 | rs143265478 | A | G | 0.9104 | 0.2107  | 1.09E-23 | 101 |
| GCST90274765 | rs143895212 | T | C | 0.063  | 0.4852  | 1.28E-51 | 228 |
| GCST90274765 | rs144404284 | A | G | 0.0715 | 0.5505  | 1.08E-45 | 201 |
| GCST90274765 | rs144832631 | A | G | 0.0417 | 0.4114  | 4.71E-38 | 166 |
| GCST90274765 | rs144934262 | T | C | 0.0658 | 0.392   | 2.02E-47 | 209 |
| GCST90274765 | rs144949632 | A | C | 0.2484 | 0.117   | 8.03E-11 | 42  |
| GCST90274765 | rs145147529 | T | C | 0.0181 | 0.4797  | 6.00E-16 | 65  |
| GCST90274765 | rs145250786 | A | G | 0.0635 | 0.4777  | 1.25E-51 | 229 |
| GCST90274765 | rs145740519 | C | G | 0.8354 | -0.1769 | 8.48E-12 | 47  |
| GCST90274765 | rs145878889 | T | C | 0.9621 | -0.4682 | 3.47E-42 | 185 |
| GCST90274765 | rs146335245 | T | C | 0.9385 | -0.4884 | 2.81E-52 | 231 |
| GCST90274765 | rs146406015 | T | C | 0.0648 | 0.4706  | 1.04E-53 | 238 |
| GCST90274765 | rs146566004 | A | G | 0.0662 | 0.3752  | 1.66E-45 | 200 |
| GCST90274765 | rs146797694 | T | C | 0.0633 | 0.4777  | 2.57E-51 | 227 |
| GCST90274765 | rs146811934 | T | C | 0.9368 | -0.5242 | 8.07E-57 | 252 |
| GCST90274765 | rs146992118 | A | G | 0.1042 | -0.1991 | 8.68E-24 | 101 |
| GCST90274765 | rs147591106 | A | C | 0.1362 | 0.1456  | 1.24E-15 | 64  |
| GCST90274765 | rs9268687   | T | G | 0.4253 | -0.0711 | 3.12E-09 | 35  |
| GCST90274765 | rs9268693   | T | C | 0.4259 | -0.07   | 4.04E-09 | 35  |
| GCST90274765 | rs9268759   | T | C | 0.4254 | -0.0706 | 2.98E-09 | 35  |
| GCST90274765 | rs9268764   | T | C | 0.5734 | 0.0705  | 3.13E-09 | 35  |
| GCST90274765 | rs9268765   | A | C | 0.4376 | 0.0814  | 5.26E-12 | 48  |
| GCST90274765 | rs9268767   | T | C | 0.5731 | 0.0704  | 3.30E-09 | 35  |
| GCST90274765 | rs9268768   | T | C | 0.4267 | -0.0705 | 3.13E-09 | 35  |
| GCST90274765 | rs9268780   | A | G | 0.4512 | -0.0753 | 6.94E-09 | 34  |
| GCST90274765 | rs9268784   | A | G | 0.4695 | -0.0713 | 3.26E-08 | 31  |
| GCST90274765 | rs9268788   | T | C | 0.472  | -0.0725 | 2.45E-08 | 31  |
| GCST90274765 | rs9268789   | A | G | 0.5276 | 0.0728  | 2.14E-08 | 31  |
| GCST90274765 | rs9268792   | A | G | 0.5752 | 0.071   | 2.43E-09 | 36  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs9268798  | T | C | 0.5734 | 0.0709  | 2.55E-09 | 35  |
| GCST90274765 | rs62291558 | A | T | 0.1194 | -0.2145 | 9.91E-32 | 137 |
| GCST90274765 | rs62292460 | A | G | 0.1185 | -0.2125 | 7.48E-31 | 133 |
| GCST90274765 | rs62292461 | T | C | 0.1188 | -0.2139 | 1.46E-31 | 137 |
| GCST90274765 | rs62292465 | C | G | 0.8778 | 0.2079  | 3.21E-30 | 130 |
| GCST90274765 | rs62292467 | T | C | 0.8772 | 0.2061  | 2.01E-29 | 127 |
| GCST90274765 | rs62292469 | A | C | 0.1219 | -0.201  | 1.69E-27 | 118 |
| GCST90274765 | rs62292470 | A | T | 0.2749 | -0.1173 | 5.36E-17 | 70  |
| GCST90274765 | rs62292471 | T | C | 0.1253 | -0.2008 | 6.73E-29 | 124 |
| GCST90274765 | rs62292473 | C | G | 0.1249 | -0.201  | 5.94E-29 | 125 |
| GCST90274765 | rs62292475 | A | G | 0.8745 | 0.2027  | 2.04E-29 | 127 |
| GCST90274765 | rs62292896 | A | G | 0.1413 | -0.1962 | 1.79E-30 | 132 |
| GCST90274765 | rs62292897 | C | G | 0.1184 | -0.236  | 2.01E-35 | 154 |
| GCST90274765 | rs62292944 | C | G | 0.8823 | 0.2327  | 2.78E-36 | 158 |
| GCST90274765 | rs62292945 | C | G | 0.882  | 0.2336  | 1.50E-36 | 159 |
| GCST90274765 | rs62292947 | A | G | 0.8821 | 0.231   | 2.05E-35 | 154 |
| GCST90274765 | rs62292948 | A | G | 0.8822 | 0.233   | 2.26E-36 | 159 |
| GCST90274765 | rs62292949 | T | C | 0.1179 | -0.2338 | 1.31E-36 | 160 |
| GCST90274765 | rs9275564  | A | C | 0.2274 | -0.0875 | 5.45E-10 | 39  |
| GCST90274765 | rs9275568  | A | C | 0.7677 | 0.0975  | 2.43E-10 | 40  |
| GCST90274765 | rs9275571  | T | G | 0.7724 | 0.0878  | 4.76E-10 | 39  |
| GCST90274765 | rs9275575  | A | T | 0.2236 | -0.0856 | 2.15E-09 | 36  |
| GCST90274765 | rs9275576  | T | C | 0.1265 | -0.1305 | 4.17E-13 | 53  |
| GCST90274765 | rs9275578  | T | G | 0.2227 | -0.0864 | 1.52E-09 | 37  |
| GCST90274765 | rs9275579  | A | T | 0.2281 | -0.0873 | 5.96E-10 | 38  |
| GCST90274765 | rs9275580  | A | G | 0.772  | 0.0875  | 5.45E-10 | 39  |
| GCST90274765 | rs9275581  | T | C | 0.7717 | 0.0904  | 2.14E-09 | 36  |
| GCST90274765 | rs9275582  | T | C | 0.2222 | -0.086  | 1.81E-09 | 36  |
| GCST90274765 | rs62293984 | A | G | 0.9704 | 0.2193  | 1.88E-09 | 36  |
| GCST90274765 | rs62293987 | A | C | 0.1188 | -0.2261 | 1.05E-34 | 151 |
| GCST90274765 | rs62293988 | T | C | 0.8816 | 0.2291  | 1.38E-35 | 155 |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs62293990 | T | C | 0.8907 | 0.224   | 7.64E-29 | 124 |
| GCST90274765 | rs62397687 | T | C | 0.1828 | -0.0956 | 4.15E-10 | 39  |
| GCST90274765 | rs62404561 | A | G | 0.8926 | -0.2045 | 1.74E-25 | 109 |
| GCST90274765 | rs62404571 | T | C | 0.0986 | 0.1914  | 1.52E-20 | 86  |
| GCST90274765 | rs62404572 | A | G | 0.1003 | 0.1896  | 3.40E-18 | 76  |
| GCST90274765 | rs62404575 | A | T | 0.0982 | 0.1815  | 3.81E-18 | 75  |
| GCST90274765 | rs62404576 | T | G | 0.0988 | 0.193   | 3.06E-21 | 90  |
| GCST90274765 | rs62404577 | A | G | 0.8926 | -0.2052 | 1.19E-25 | 110 |
| GCST90274765 | rs62405590 | T | G | 0.8238 | -0.1511 | 3.13E-14 | 58  |
| GCST90274765 | rs62549296 | A | G | 0.1526 | 0.113   | 3.05E-12 | 49  |
| GCST90274765 | rs62549297 | A | G | 0.8898 | -0.1272 | 2.74E-11 | 44  |
| GCST90274765 | rs62549304 | A | C | 0.9279 | -0.1376 | 8.55E-09 | 33  |
| GCST90274765 | rs642093   | A | G | 0.2504 | -0.0916 | 1.64E-11 | 45  |
| GCST90274765 | rs6439356  | T | C | 0.4975 | -0.0712 | 1.16E-09 | 37  |
| GCST90274765 | rs6439357  | T | G | 0.6216 | 0.0758  | 5.19E-10 | 39  |
| GCST90274765 | rs6439359  | T | C | 0.4863 | -0.0756 | 7.16E-11 | 42  |
| GCST90274765 | rs6439360  | A | G | 0.7406 | 0.1328  | 8.49E-19 | 78  |
| GCST90274765 | rs6457535  | A | G | 0.1477 | 0.0958  | 1.44E-08 | 32  |
| GCST90274765 | rs6457548  | A | G | 0.5769 | -0.0757 | 2.00E-10 | 40  |
| GCST90274765 | rs6457588  | A | C | 0.5457 | 0.0734  | 1.78E-09 | 36  |
| GCST90274765 | rs6457590  | T | G | 0.0964 | 0.2192  | 1.93E-26 | 113 |
| GCST90274765 | rs6457642  | T | C | 0.2125 | -0.0792 | 3.80E-08 | 30  |
| GCST90274765 | rs647455   | A | G | 0.3119 | -0.08   | 3.11E-09 | 35  |
| GCST90274765 | rs647467   | T | C | 0.31   | -0.0818 | 1.03E-09 | 37  |
| GCST90274765 | rs653178   | T | C | 0.5223 | -0.0772 | 4.96E-09 | 34  |
| GCST90274765 | rs659204   | A | G | 0.677  | 0.0824  | 7.78E-10 | 38  |
| GCST90274765 | rs6605556  | A | G | 0.8332 | 0.0914  | 2.05E-08 | 31  |
| GCST90274765 | rs66583884 | A | G | 0.8334 | -0.1519 | 7.28E-14 | 56  |
| GCST90274765 | rs66709408 | T | C | 0.1641 | 0.0914  | 3.04E-08 | 31  |
| GCST90274765 | rs66857824 | T | C | 0.8496 | -0.1647 | 7.92E-15 | 60  |
| GCST90274765 | rs673336   | A | G | 0.3372 | -0.0862 | 6.56E-11 | 43  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs67382147  | T | G | 0.2092 | 0.1309  | 1.92E-13 | 54  |
| GCST90274765 | rs674313    | T | C | 0.2609 | -0.0854 | 1.35E-10 | 41  |
| GCST90274765 | rs6745050   | T | C | 0.4069 | -0.0678 | 3.54E-08 | 30  |
| GCST90274765 | rs6748358   | A | C | 0.4831 | -0.076  | 6.46E-10 | 38  |
| GCST90274765 | rs6767201   | A | T | 0.6233 | 0.0815  | 4.95E-11 | 43  |
| GCST90274765 | rs6767884   | T | C | 0.525  | 0.0741  | 2.40E-10 | 40  |
| GCST90274765 | rs6768436   | T | C | 0.4865 | -0.0745 | 1.34E-10 | 41  |
| GCST90274765 | rs6776500   | T | C | 0.7187 | 0.116   | 2.42E-19 | 81  |
| GCST90274765 | rs67767519  | T | C | 0.1869 | 0.1464  | 8.06E-14 | 56  |
| GCST90274765 | rs6776891   | T | C | 0.4209 | -0.0681 | 1.05E-08 | 33  |
| GCST90274765 | rs6777072   | A | G | 0.2677 | -0.1297 | 3.18E-18 | 76  |
| GCST90274765 | rs6777846   | T | C | 0.7187 | 0.115   | 4.89E-19 | 79  |
| GCST90274765 | rs35472547  | T | G | 0.1756 | -0.0955 | 2.34E-08 | 31  |
| GCST90274765 | rs35525122  | A | C | 0.1691 | -0.1017 | 4.14E-09 | 35  |
| GCST90274765 | rs35653258  | A | C | 0.1717 | -0.0936 | 2.53E-08 | 31  |
| GCST90274765 | rs35743245  | T | C | 0.1751 | -0.0941 | 3.74E-08 | 30  |
| GCST90274765 | rs35779483  | A | G | 0.6919 | -0.0878 | 1.00E-11 | 46  |
| GCST90274765 | rs35874654  | A | C | 0.1835 | -0.11   | 2.62E-11 | 44  |
| GCST90274765 | rs199950886 | T | G | 0.9359 | -0.4777 | 8.65E-50 | 220 |
| GCST90274765 | rs200004305 | A | G | 0.9362 | -0.4865 | 1.58E-37 | 164 |
| GCST90274765 | rs2002779   | T | G | 0.1868 | 0.1149  | 1.24E-13 | 55  |
| GCST90274765 | rs201069358 | A | T | 0.2383 | -0.1201 | 1.23E-13 | 55  |
| GCST90274765 | rs76542357  | C | G | 0.9017 | -0.1956 | 9.23E-20 | 83  |
| GCST90274765 | rs7656      | T | C | 0.1763 | 0.0975  | 3.03E-08 | 31  |
| GCST90274765 | rs76567100  | A | G | 0.8216 | -0.1478 | 1.11E-13 | 55  |
| GCST90274765 | rs76569691  | A | G | 0.8822 | 0.233   | 2.26E-36 | 159 |
| GCST90274765 | rs76569928  | C | G | 0.9085 | 0.2248  | 3.17E-27 | 117 |
| GCST90274765 | rs76621798  | T | C | 0.1291 | -0.2005 | 4.03E-29 | 125 |
| GCST90274765 | rs76729106  | T | G | 0.0317 | -0.1997 | 1.40E-08 | 32  |
| GCST90274765 | rs76775942  | A | G | 0.8854 | -0.2038 | 4.46E-23 | 98  |
| GCST90274765 | rs76822178  | T | C | 0.0737 | 0.4586  | 1.93E-53 | 237 |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs76901383  | T | C | 0.8362 | -0.0943 | 1.34E-08 | 32  |
| GCST90274765 | rs76946723  | A | T | 0.7147 | 0.0822  | 2.56E-10 | 40  |
| GCST90274765 | rs76967933  | A | C | 0.0942 | -0.1997 | 7.92E-22 | 92  |
| GCST90274765 | rs77000541  | A | G | 0.348  | -0.0849 | 4.66E-11 | 43  |
| GCST90274765 | rs77064057  | A | G | 0.7199 | 0.0873  | 3.75E-11 | 44  |
| GCST90274765 | rs77114005  | T | C | 0.7381 | 0.0975  | 4.46E-11 | 43  |
| GCST90274765 | rs77189509  | T | C | 0.1178 | -0.2326 | 2.97E-36 | 158 |
| GCST90274765 | rs77329518  | T | C | 0.0611 | 0.488   | 1.54E-56 | 251 |
| GCST90274765 | rs77331864  | A | G | 0.1073 | 0.2056  | 1.69E-25 | 109 |
| GCST90274765 | rs77436593  | A | G | 0.0911 | -0.2247 | 5.85E-27 | 116 |
| GCST90274765 | rs7743662   | A | G | 0.4269 | -0.0714 | 1.97E-09 | 36  |
| GCST90274765 | rs7744001   | A | G | 0.3196 | 0.0992  | 9.19E-15 | 60  |
| GCST90274765 | rs7744020   | A | G | 0.3108 | 0.0878  | 6.92E-12 | 47  |
| GCST90274765 | rs77455945  | T | G | 0.9327 | -0.5021 | 3.36E-57 | 254 |
| GCST90274765 | rs7748085   | A | G | 0.5735 | 0.0707  | 2.83E-09 | 35  |
| GCST90274765 | rs7748270   | T | C | 0.5282 | -0.109  | 8.75E-17 | 69  |
| GCST90274765 | rs147613123 | A | G | 0.285  | 0.0944  | 3.38E-08 | 30  |
| GCST90274765 | rs1480380   | T | C | 0.0883 | -0.1179 | 2.68E-08 | 31  |
| GCST90274765 | rs148651202 | T | C | 0.2421 | 0.1158  | 1.98E-10 | 40  |
| GCST90274765 | rs148781980 | A | G | 0.9392 | -0.429  | 6.18E-45 | 198 |
| GCST90274765 | rs148822548 | A | G | 0.0601 | 0.5203  | 2.42E-57 | 255 |
| GCST90274765 | rs148838821 | T | G | 0.0373 | 0.6497  | 4.69E-21 | 89  |
| GCST90274765 | rs149005483 | A | T | 0.9397 | -0.4666 | 7.51E-54 | 239 |
| GCST90274765 | rs149448443 | A | G | 0.0405 | 0.4271  | 1.93E-37 | 164 |
| GCST90274765 | rs149999552 | T | C | 0.9369 | -0.4757 | 1.58E-51 | 228 |
| GCST90274765 | rs150273563 | C | G | 0.8821 | 0.2163  | 6.62E-32 | 138 |
| GCST90274765 | rs150720930 | A | T | 0.6651 | -0.0997 | 2.37E-09 | 36  |
| GCST90274765 | rs150906309 | T | C | 0.989  | 0.3407  | 4.10E-08 | 30  |
| GCST90274765 | rs150953172 | T | C | 0.0225 | 0.2968  | 1.53E-11 | 46  |
| GCST90274765 | rs151025335 | T | C | 0.0669 | 0.5302  | 6.80E-50 | 221 |
| GCST90274765 | rs1557551   | A | G | 0.9191 | -0.2013 | 7.46E-19 | 79  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs1613056  | T | C | 0.1267 | -0.1314 | 2.12E-13 | 54  |
| GCST90274765 | rs1617322  | A | C | 0.1273 | -0.1309 | 2.62E-13 | 53  |
| GCST90274765 | rs16839219 | A | C | 0.8391 | 0.1614  | 4.09E-23 | 98  |
| GCST90274765 | rs16839317 | T | C | 0.8569 | 0.1907  | 1.57E-29 | 127 |
| GCST90274765 | rs16870187 | A | C | 0.8331 | -0.1488 | 7.58E-14 | 56  |
| GCST90274765 | rs16870911 | A | T | 0.9747 | -0.2421 | 4.86E-10 | 39  |
| GCST90274765 | rs16870914 | C | G | 0.0252 | 0.2408  | 6.64E-10 | 38  |
| GCST90274765 | rs16870917 | T | C | 0.9748 | -0.2374 | 1.15E-09 | 37  |
| GCST90274765 | rs16870918 | T | G | 0.9748 | -0.241  | 5.81E-10 | 38  |
| GCST90274765 | rs16870919 | T | C | 0.9748 | -0.2413 | 5.54E-10 | 38  |
| GCST90274765 | rs16870921 | T | G | 0.9769 | -0.2614 | 5.33E-10 | 39  |
| GCST90274765 | rs16870923 | T | C | 0.9746 | -0.2373 | 8.69E-10 | 38  |
| GCST90274765 | rs16931797 | A | G | 0.1663 | 0.1102  | 2.23E-12 | 49  |
| GCST90274765 | rs1694113  | A | C | 0.0602 | 0.4672  | 2.48E-54 | 241 |
| GCST90274765 | rs17184798 | T | C | 0.9021 | 0.2037  | 1.08E-23 | 101 |
| GCST90274765 | rs17184819 | A | G | 0.1291 | -0.2001 | 2.55E-29 | 126 |
| GCST90274765 | rs17185135 | T | C | 0.1291 | -0.1999 | 1.41E-29 | 128 |
| GCST90274765 | rs17203542 | A | G | 0.5394 | 0.0773  | 1.32E-08 | 32  |
| GCST90274765 | rs17203549 | T | C | 0.5435 | 0.074   | 4.22E-08 | 30  |
| GCST90274765 | rs17205373 | C | G | 0.8651 | -0.2173 | 6.51E-34 | 147 |
| GCST90274765 | rs17205640 | A | T | 0.3596 | 0.0898  | 1.41E-10 | 41  |
| GCST90274765 | rs17205647 | A | G | 0.3555 | 0.0873  | 6.24E-12 | 47  |
| GCST90274765 | rs17206147 | T | C | 0.8357 | -0.0921 | 2.38E-08 | 31  |
| GCST90274765 | rs17212937 | T | C | 0.1194 | 0.1303  | 1.88E-12 | 50  |
| GCST90274765 | rs17244458 | A | G | 0.8392 | 0.1614  | 2.21E-23 | 99  |
| GCST90274765 | rs17268364 | A | G | 0.4744 | -0.0798 | 8.71E-11 | 42  |
| GCST90274765 | rs17345563 | A | G | 0.8819 | 0.2321  | 1.76E-36 | 159 |
| GCST90274765 | rs17348055 | T | C | 0.1189 | -0.2119 | 5.25E-31 | 134 |
| GCST90274765 | rs17348614 | T | C | 0.0664 | -0.2188 | 8.12E-19 | 78  |
| GCST90274765 | rs2516479  | C | G | 0.6034 | -0.0756 | 2.98E-10 | 40  |
| GCST90274765 | rs2518027  | T | G | 0.306  | 0.0795  | 5.27E-10 | 39  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs2518030  | A | G | 0.1698 | 0.0873  | 2.69E-08 | 31  |
| GCST90274765 | rs2523518  | T | G | 0.1739 | 0.0862  | 2.18E-08 | 31  |
| GCST90274765 | rs2523644  | T | C | 0.8266 | -0.0917 | 2.25E-08 | 31  |
| GCST90274765 | rs2523663  | T | G | 0.6509 | -0.0693 | 1.76E-08 | 32  |
| GCST90274765 | rs2523666  | T | C | 0.7209 | -0.0753 | 1.17E-08 | 33  |
| GCST90274765 | rs2523671  | T | C | 0.7208 | -0.0749 | 1.39E-08 | 32  |
| GCST90274765 | rs2523672  | C | G | 0.7209 | -0.075  | 1.33E-08 | 32  |
| GCST90274765 | rs2596434  | A | G | 0.8261 | -0.086  | 2.34E-08 | 31  |
| GCST90274765 | rs2596438  | A | G | 0.8262 | -0.0863 | 2.10E-08 | 31  |
| GCST90274765 | rs2596446  | A | G | 0.7203 | -0.0752 | 1.22E-08 | 32  |
| GCST90274765 | rs74606007 | T | C | 0.9382 | -0.4669 | 2.51E-55 | 245 |
| GCST90274765 | rs746868   | C | G | 0.397  | 0.0755  | 3.14E-10 | 40  |
| GCST90274765 | rs74735511 | A | G | 0.9097 | 0.2183  | 1.54E-25 | 109 |
| GCST90274765 | rs74756176 | T | G | 0.0594 | 0.4721  | 8.48E-56 | 248 |
| GCST90274765 | rs74812635 | C | G | 0.2385 | -0.0844 | 1.65E-09 | 36  |
| GCST90274765 | rs74915889 | A | G | 0.129  | -0.1989 | 5.46E-29 | 125 |
| GCST90274765 | rs75074972 | A | G | 0.938  | -0.4382 | 3.37E-43 | 190 |
| GCST90274765 | rs75084410 | A | G | 0.0642 | 0.4958  | 1.27E-51 | 228 |
| GCST90274765 | rs75098126 | T | G | 0.9362 | -0.4962 | 1.06E-51 | 229 |
| GCST90274765 | rs75103235 | A | G | 0.7591 | -0.1088 | 6.34E-10 | 38  |
| GCST90274765 | rs75128960 | A | C | 0.064  | 0.498   | 4.59E-52 | 231 |
| GCST90274765 | rs75237145 | T | G | 0.4565 | -0.1024 | 8.42E-17 | 69  |
| GCST90274765 | rs34928543 | C | G | 0.1794 | -0.095  | 8.53E-09 | 33  |
| GCST90274765 | rs34939562 | A | G | 0.1786 | -0.104  | 9.15E-09 | 33  |
| GCST90274765 | rs34965214 | T | C | 0.1813 | -0.1041 | 2.50E-11 | 45  |
| GCST90274765 | rs35030589 | A | G | 0.1648 | 0.0916  | 2.83E-08 | 31  |
| GCST90274765 | rs35074855 | C | G | 0.844  | 0.1015  | 1.71E-08 | 32  |
| GCST90274765 | rs35117964 | A | G | 0.8313 | 0.0936  | 6.11E-09 | 34  |
| GCST90274765 | rs35118762 | T | C | 0.1696 | -0.0951 | 5.40E-09 | 34  |
| GCST90274765 | rs35120848 | T | C | 0.164  | 0.0915  | 2.93E-08 | 31  |
| GCST90274765 | rs35130701 | A | G | 0.6621 | 0.0886  | 2.71E-11 | 44  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs35226637  | A | G | 0.1719 | -0.0945 | 1.86E-08 | 32  |
| GCST90274765 | rs35231986  | A | T | 0.8301 | -0.1495 | 1.78E-13 | 54  |
| GCST90274765 | rs35265698  | C | G | 0.8326 | 0.0986  | 1.46E-09 | 37  |
| GCST90274765 | rs35294087  | A | G | 0.8354 | 0.0985  | 2.38E-09 | 36  |
| GCST90274765 | rs35344500  | A | C | 0.7537 | 0.0807  | 6.41E-09 | 34  |
| GCST90274765 | rs35366682  | T | C | 0.7043 | 0.0954  | 2.30E-12 | 49  |
| GCST90274765 | rs35371668  | T | C | 0.1657 | -0.0954 | 2.00E-08 | 31  |
| GCST90274765 | rs35395738  | T | C | 0.8219 | 0.0922  | 2.30E-08 | 31  |
| GCST90274765 | rs35406540  | A | G | 0.8353 | -0.0924 | 2.14E-08 | 31  |
| GCST90274765 | rs3129870   | T | C | 0.3023 | -0.0793 | 7.11E-09 | 34  |
| GCST90274765 | rs3129871   | A | C | 0.351  | 0.1294  | 2.78E-26 | 112 |
| GCST90274765 | rs3129872   | A | T | 0.7    | 0.0765  | 2.28E-09 | 36  |
| GCST90274765 | rs3129873   | C | G | 0.2998 | -0.0769 | 1.88E-09 | 36  |
| GCST90274765 | rs3129874   | T | C | 0.7002 | 0.0768  | 1.97E-09 | 36  |
| GCST90274765 | rs3129875   | T | C | 0.6975 | 0.0716  | 2.22E-08 | 31  |
| GCST90274765 | rs3129876   | A | G | 0.3003 | -0.0706 | 3.48E-08 | 30  |
| GCST90274765 | rs3129877   | A | G | 0.2999 | -0.0772 | 1.63E-09 | 36  |
| GCST90274765 | rs3129878   | A | C | 0.6831 | 0.0687  | 4.97E-08 | 30  |
| GCST90274765 | rs3129880   | T | C | 0.2269 | 0.1872  | 3.16E-40 | 176 |
| GCST90274765 | rs140882479 | A | G | 0.9392 | -0.4922 | 1.06E-54 | 243 |
| GCST90274765 | rs140973961 | C | G | 0.2044 | 0.1509  | 4.52E-14 | 57  |
| GCST90274765 | rs141308633 | A | G | 0.0658 | 0.3911  | 3.27E-47 | 208 |
| GCST90274765 | rs141345764 | T | G | 0.0633 | 0.4842  | 2.06E-51 | 228 |
| GCST90274765 | rs141464391 | A | G | 0.9927 | -0.7323 | 6.00E-13 | 52  |
| GCST90274765 | rs2395165   | T | C | 0.7903 | -0.0958 | 5.32E-11 | 43  |
| GCST90274765 | rs2395172   | T | C | 0.7039 | 0.074   | 1.25E-08 | 32  |
| GCST90274765 | rs2395173   | A | G | 0.3239 | 0.1425  | 4.18E-30 | 130 |
| GCST90274765 | rs2395174   | T | G | 0.7007 | 0.0757  | 3.34E-09 | 35  |
| GCST90274765 | rs2395177   | C | G | 0.3    | -0.0758 | 3.18E-09 | 35  |
| GCST90274765 | rs2395178   | C | G | 0.6765 | -0.1429 | 2.89E-30 | 131 |
| GCST90274765 | rs2395179   | A | G | 0.6972 | 0.0728  | 1.29E-08 | 32  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs2395180  | T | G | 0.6972 | 0.0725  | 1.48E-08 | 32  |
| GCST90274765 | rs2395181  | C | G | 0.3024 | -0.0722 | 1.69E-08 | 32  |
| GCST90274765 | rs2395182  | T | G | 0.7683 | -0.1739 | 5.99E-35 | 152 |
| GCST90274765 | rs2395184  | A | G | 0.1613 | -0.0913 | 1.42E-08 | 32  |
| GCST90274765 | rs2395199  | C | G | 0.9185 | -0.2004 | 7.50E-19 | 79  |
| GCST90274765 | rs2395225  | T | C | 0.6556 | 0.0898  | 1.02E-11 | 46  |
| GCST90274765 | rs2395515  | T | C | 0.831  | -0.1143 | 4.68E-13 | 52  |
| GCST90274765 | rs241438   | T | C | 0.3633 | -0.0671 | 3.80E-08 | 30  |
| GCST90274765 | rs2454137  | A | G | 0.7536 | 0.0878  | 7.64E-09 | 33  |
| GCST90274765 | rs2454139  | C | G | 0.1684 | -0.1025 | 2.05E-09 | 36  |
| GCST90274765 | rs2492358  | T | C | 0.8354 | -0.1106 | 1.86E-12 | 50  |
| GCST90274765 | rs2492361  | A | G | 0.1529 | 0.1132  | 2.80E-12 | 49  |
| GCST90274765 | rs2516390  | T | C | 0.6035 | -0.0756 | 2.98E-10 | 40  |
| GCST90274765 | rs7748310  | A | G | 0.4265 | -0.0707 | 2.83E-09 | 35  |
| GCST90274765 | rs7751715  | A | G | 0.1127 | -0.1058 | 3.04E-08 | 31  |
| GCST90274765 | rs77537414 | C | G | 0.0594 | 0.4715  | 1.16E-55 | 247 |
| GCST90274765 | rs7754496  | A | T | 0.9405 | -0.4725 | 6.87E-56 | 248 |
| GCST90274765 | rs7754768  | T | C | 0.5621 | -0.083  | 2.01E-12 | 49  |
| GCST90274765 | rs7756741  | A | T | 0.246  | -0.0899 | 2.06E-09 | 36  |
| GCST90274765 | rs7758465  | A | T | 0.2265 | -0.0901 | 2.96E-10 | 40  |
| GCST90274765 | rs7760260  | A | G | 0.0994 | 0.2174  | 2.83E-26 | 112 |
| GCST90274765 | rs7760600  | A | G | 0.0832 | 0.2548  | 5.38E-29 | 125 |
| GCST90274765 | rs7760731  | A | C | 0.2499 | -0.0922 | 1.21E-11 | 46  |
| GCST90274765 | rs7763071  | T | C | 0.5726 | -0.0709 | 2.55E-09 | 35  |
| GCST90274765 | rs7764351  | A | G | 0.9038 | -0.219  | 2.14E-26 | 113 |
| GCST90274765 | rs7764819  | T | G | 0.8818 | -0.1305 | 1.74E-12 | 50  |
| GCST90274765 | rs7765379  | T | G | 0.8818 | -0.1299 | 2.19E-12 | 49  |
| GCST90274765 | rs7769693  | T | G | 0.4378 | 0.0826  | 2.56E-12 | 49  |
| GCST90274765 | rs7770010  | A | G | 0.1716 | -0.0941 | 2.13E-08 | 31  |
| GCST90274765 | rs7771972  | T | C | 0.2362 | -0.0907 | 2.63E-08 | 31  |
| GCST90274765 | rs77730084 | A | G | 0.0291 | -0.2285 | 5.32E-10 | 39  |

|              |           |   |   |        |         |          |     |
|--------------|-----------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs7775055 | T | C | 0.9405 | -0.4724 | 7.24E-56 | 248 |
| GCST90274765 | rs7775108 | T | C | 0.4376 | 0.0813  | 5.59E-12 | 47  |
| GCST90274765 | rs2596453 | T | C | 0.7209 | -0.0752 | 1.22E-08 | 32  |
| GCST90274765 | rs2596471 | A | G | 0.1696 | 0.0874  | 2.59E-08 | 31  |
| GCST90274765 | rs2647004 | T | C | 0.8731 | 0.1293  | 5.07E-13 | 52  |
| GCST90274765 | rs2647019 | C | G | 0.1266 | -0.1298 | 4.12E-13 | 53  |
| GCST90274765 | rs9266630 | A | C | 0.2593 | 0.0801  | 2.26E-09 | 36  |
| GCST90274765 | rs9266716 | T | C | 0.7054 | -0.0733 | 1.33E-08 | 32  |
| GCST90274765 | rs9266718 | T | C | 0.7027 | -0.072  | 1.86E-08 | 32  |
| GCST90274765 | rs9267659 | A | G | 0.2143 | 0.0876  | 1.53E-09 | 36  |
| GCST90274765 | rs9267807 | A | G | 0.1514 | 0.093   | 3.73E-08 | 30  |
| GCST90274765 | rs9267890 | T | G | 0.1415 | 0.0975  | 2.53E-08 | 31  |
| GCST90274765 | rs9267955 | A | G | 0.1479 | 0.0938  | 2.85E-08 | 31  |
| GCST90274765 | rs9267992 | A | G | 0.8519 | -0.0977 | 7.42E-09 | 33  |
| GCST90274765 | rs9268026 | A | G | 0.8874 | 0.1051  | 3.74E-08 | 30  |
| GCST90274765 | rs9268104 | A | G | 0.1479 | 0.0963  | 1.21E-08 | 32  |
| GCST90274765 | rs9268106 | A | T | 0.8522 | -0.0959 | 1.39E-08 | 32  |
| GCST90274765 | rs3129852 | A | G | 0.8051 | -0.1058 | 1.75E-12 | 50  |
| GCST90274765 | rs3129853 | A | G | 0.2999 | -0.0754 | 3.85E-09 | 35  |
| GCST90274765 | rs3129854 | C | G | 0.6755 | -0.1481 | 8.44E-29 | 124 |
| GCST90274765 | rs3129855 | A | G | 0.8879 | 0.1069  | 2.18E-08 | 31  |
| GCST90274765 | rs3129856 | T | C | 0.8879 | 0.1061  | 2.78E-08 | 31  |
| GCST90274765 | rs2516391 | T | G | 0.3971 | 0.0755  | 3.14E-10 | 40  |
| GCST90274765 | rs2516392 | C | G | 0.3972 | 0.0757  | 2.82E-10 | 40  |
| GCST90274765 | rs2516401 | A | G | 0.7119 | -0.073  | 1.96E-08 | 32  |
| GCST90274765 | rs2516442 | A | T | 0.7439 | -0.0795 | 5.05E-09 | 34  |
| GCST90274765 | rs3117181 | C | G | 0.1472 | 0.0972  | 1.08E-08 | 33  |
| GCST90274765 | rs3117182 | A | T | 0.8534 | -0.0959 | 1.69E-08 | 32  |
| GCST90274765 | rs3117189 | A | G | 0.1462 | 0.0961  | 1.58E-08 | 32  |
| GCST90274765 | rs3129712 | A | T | 0.2335 | 0.1094  | 3.35E-09 | 35  |
| GCST90274765 | rs3129713 | T | C | 0.1356 | 0.2178  | 3.69E-37 | 162 |

|              |           |   |   |        |         |          |     |
|--------------|-----------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs3129714 | A | G | 0.3864 | 0.0869  | 4.60E-11 | 43  |
| GCST90274765 | rs3129715 | T | G | 0.1409 | 0.2178  | 2.38E-31 | 136 |
| GCST90274765 | rs3129716 | T | C | 0.8732 | 0.1301  | 3.64E-13 | 53  |
| GCST90274765 | rs3129718 | T | C | 0.1448 | 0.1033  | 2.91E-09 | 35  |
| GCST90274765 | rs3129749 | A | G | 0.8308 | -0.1158 | 2.32E-13 | 54  |
| GCST90274765 | rs3129750 | A | G | 0.83   | -0.1139 | 5.64E-13 | 52  |
| GCST90274765 | rs3129751 | A | C | 0.8305 | 0.0882  | 2.90E-08 | 31  |
| GCST90274765 | rs2596448 | A | G | 0.744  | -0.0786 | 7.50E-09 | 33  |
| GCST90274765 | rs2596449 | A | G | 0.2795 | 0.0751  | 1.27E-08 | 32  |
| GCST90274765 | rs2596451 | A | G | 0.279  | 0.075   | 1.33E-08 | 32  |
| GCST90274765 | rs2596452 | T | G | 0.279  | 0.075   | 1.33E-08 | 32  |
| GCST90274765 | rs9268810 | T | C | 0.4266 | -0.0706 | 2.98E-09 | 35  |
| GCST90274765 | rs9268811 | T | G | 0.4266 | -0.0706 | 2.98E-09 | 35  |
| GCST90274765 | rs9268828 | A | G | 0.5737 | 0.0716  | 1.78E-09 | 36  |
| GCST90274765 | rs9268829 | A | G | 0.5743 | 0.0719  | 1.52E-09 | 37  |
| GCST90274765 | rs9268832 | T | C | 0.4292 | 0.0812  | 5.93E-12 | 47  |
| GCST90274765 | rs9268851 | A | G | 0.1464 | 0.1091  | 1.38E-10 | 41  |
| GCST90274765 | rs3104375 | C | G | 0.1689 | -0.0999 | 5.47E-10 | 39  |
| GCST90274765 | rs3104376 | T | C | 0.2359 | 0.0774  | 3.23E-08 | 31  |
| GCST90274765 | rs3104383 | C | G | 0.8264 | -0.1174 | 4.99E-12 | 48  |
| GCST90274765 | rs3104386 | T | G | 0.838  | -0.1238 | 6.12E-13 | 52  |
| GCST90274765 | rs3104391 | T | C | 0.1821 | 0.1172  | 4.67E-13 | 52  |
| GCST90274765 | rs3104405 | A | C | 0.6619 | -0.0708 | 4.06E-08 | 30  |
| GCST90274765 | rs3104408 | A | G | 0.5163 | -0.0837 | 3.08E-11 | 44  |
| GCST90274765 | rs3104413 | C | G | 0.83   | 0.0894  | 1.88E-08 | 32  |
| GCST90274765 | rs3115556 | A | T | 0.1127 | -0.106  | 2.86E-08 | 31  |
| GCST90274765 | rs3115574 | T | C | 0.3508 | 0.07    | 1.65E-08 | 32  |
| GCST90274765 | rs3115669 | T | G | 0.1404 | 0.0949  | 4.92E-08 | 30  |
| GCST90274765 | rs3117100 | A | G | 0.1419 | 0.1043  | 2.89E-08 | 31  |
| GCST90274765 | rs3117103 | A | T | 0.8774 | 0.1093  | 2.85E-09 | 35  |
| GCST90274765 | rs3117106 | T | C | 0.8539 | 0.102   | 1.58E-09 | 36  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs3129857  | A | G | 0.6952 | 0.0763  | 3.32E-09 | 35  |
| GCST90274765 | rs3129858  | A | G | 0.3002 | -0.0756 | 3.50E-09 | 35  |
| GCST90274765 | rs3129860  | A | G | 0.1502 | 0.1178  | 2.35E-12 | 49  |
| GCST90274765 | rs3129864  | A | G | 0.6999 | 0.0754  | 3.85E-09 | 35  |
| GCST90274765 | rs3129865  | C | G | 0.8487 | -0.1166 | 2.91E-12 | 49  |
| GCST90274765 | rs3129868  | A | C | 0.1512 | 0.1165  | 3.04E-12 | 49  |
| GCST90274765 | rs76381165 | T | C | 0.1184 | -0.2338 | 1.31E-36 | 160 |
| GCST90274765 | rs76384124 | A | G | 0.0643 | 0.4827  | 2.05E-51 | 228 |
| GCST90274765 | rs76384194 | C | G | 0.9242 | 0.2092  | 1.08E-18 | 78  |
| GCST90274765 | rs76391884 | A | G | 0.9318 | -0.4709 | 4.05E-44 | 194 |
| GCST90274765 | rs7641195  | T | C | 0.487  | -0.0746 | 1.82E-10 | 41  |
| GCST90274765 | rs7643914  | T | C | 0.5258 | 0.075   | 1.45E-10 | 41  |
| GCST90274765 | rs7648975  | A | G | 0.5239 | 0.0751  | 1.37E-10 | 41  |
| GCST90274765 | rs35882239 | A | G | 0.3045 | 0.0839  | 3.40E-08 | 30  |
| GCST90274765 | rs35917796 | T | C | 0.1795 | -0.0974 | 2.61E-08 | 31  |
| GCST90274765 | rs35972518 | T | G | 0.821  | 0.1039  | 9.45E-09 | 33  |
| GCST90274765 | rs7652793  | T | C | 0.7586 | 0.133   | 5.80E-18 | 75  |
| GCST90274765 | rs9268807  | C | G | 0.1493 | 0.112   | 2.62E-11 | 44  |
| GCST90274765 | rs9268808  | T | G | 0.4266 | -0.0711 | 2.30E-09 | 36  |
| GCST90274765 | rs9268809  | T | C | 0.5734 | 0.0706  | 2.98E-09 | 35  |
| GCST90274765 | rs3129763  | A | G | 0.2372 | -0.085  | 9.65E-10 | 37  |
| GCST90274765 | rs3129765  | A | G | 0.216  | 0.2082  | 6.01E-45 | 198 |
| GCST90274765 | rs3129767  | T | G | 0.8172 | -0.1079 | 1.35E-09 | 37  |
| GCST90274765 | rs3129768  | T | G | 0.7711 | -0.211  | 1.29E-48 | 215 |
| GCST90274765 | rs3129769  | A | G | 0.1697 | -0.0995 | 5.93E-09 | 34  |
| GCST90274765 | rs3129771  | C | G | 0.7983 | -0.1182 | 1.08E-12 | 51  |
| GCST90274765 | rs3129777  | A | C | 0.1605 | -0.1091 | 4.48E-09 | 34  |
| GCST90274765 | rs3129779  | A | G | 0.8357 | 0.1203  | 5.61E-10 | 38  |
| GCST90274765 | rs3129781  | T | G | 0.8459 | -0.118  | 1.19E-11 | 46  |
| GCST90274765 | rs3129843  | A | G | 0.8877 | 0.1068  | 2.25E-08 | 31  |
| GCST90274765 | rs3129844  | A | G | 0.6999 | 0.0756  | 3.50E-09 | 35  |

|              |            |   |   |        |         |          |    |
|--------------|------------|---|---|--------|---------|----------|----|
| GCST90274765 | rs3129845  | A | G | 0.6972 | 0.0709  | 3.04E-08 | 31 |
| GCST90274765 | rs3129846  | A | G | 0.6973 | 0.0712  | 2.66E-08 | 31 |
| GCST90274765 | rs3129847  | A | G | 0.6998 | 0.0754  | 3.85E-09 | 35 |
| GCST90274765 | rs3129849  | A | G | 0.195  | 0.1059  | 1.67E-12 | 50 |
| GCST90274765 | rs3129851  | A | C | 0.7    | 0.0755  | 3.67E-09 | 35 |
| GCST90274765 | rs7600322  | T | C | 0.5214 | 0.075   | 7.87E-10 | 38 |
| GCST90274765 | rs76088152 | A | G | 0.0797 | -0.1261 | 1.56E-08 | 32 |
| GCST90274765 | rs76177059 | T | C | 0.907  | 0.2003  | 5.98E-22 | 93 |
| GCST90274765 | rs7620752  | A | C | 0.6234 | 0.0804  | 8.94E-11 | 42 |
| GCST90274765 | rs3117109  | T | C | 0.1126 | -0.1044 | 4.60E-08 | 30 |
| GCST90274765 | rs3117115  | A | C | 0.1476 | 0.0963  | 1.47E-08 | 32 |
| GCST90274765 | rs3117116  | A | G | 0.8492 | -0.1163 | 4.43E-12 | 48 |
| GCST90274765 | rs3130320  | T | C | 0.3749 | 0.0775  | 2.12E-10 | 40 |
| GCST90274765 | rs3130346  | T | C | 0.1362 | 0.0973  | 3.23E-08 | 31 |
| GCST90274765 | rs3130520  | T | C | 0.1551 | 0.0911  | 2.78E-08 | 31 |
| GCST90274765 | rs3130693  | T | C | 0.5352 | 0.0668  | 1.50E-08 | 32 |
| GCST90274765 | rs3130941  | C | G | 0.1551 | 0.0903  | 3.67E-08 | 30 |
| GCST90274765 | rs3131624  | T | G | 0.2952 | 0.0698  | 4.95E-08 | 30 |
| GCST90274765 | rs3132482  | A | G | 0.6161 | -0.0715 | 3.44E-09 | 35 |
| GCST90274765 | rs3132483  | A | G | 0.468  | -0.068  | 1.91E-08 | 32 |
| GCST90274765 | rs3132484  | T | G | 0.4694 | -0.0678 | 9.15E-09 | 33 |
| GCST90274765 | rs3132971  | T | G | 0.8875 | 0.1052  | 3.63E-08 | 30 |
| GCST90274765 | rs3132972  | A | G | 0.3815 | 0.072   | 3.60E-09 | 35 |
| GCST90274765 | rs3134603  | A | G | 0.141  | 0.0975  | 1.44E-08 | 32 |
| GCST90274765 | rs9268804  | C | G | 0.6343 | 0.0741  | 1.25E-09 | 37 |
| GCST90274765 | rs9268806  | A | C | 0.4323 | -0.0814 | 2.16E-09 | 36 |
| GCST90274765 | rs3129753  | C | G | 0.1733 | -0.0925 | 3.04E-08 | 31 |
| GCST90274765 | rs3129757  | A | C | 0.1534 | 0.1243  | 7.00E-14 | 56 |
| GCST90274765 | rs3129762  | A | T | 0.8325 | -0.1336 | 8.40E-16 | 65 |
| GCST90274765 | rs3134963  | T | C | 0.1471 | 0.0933  | 4.87E-08 | 30 |
| GCST90274765 | rs3134971  | A | C | 0.8692 | 0.1304  | 1.41E-11 | 46 |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs3134977  | T | G | 0.1338 | -0.122  | 1.22E-11 | 46  |
| GCST90274765 | rs3134978  | A | T | 0.8716 | 0.1298  | 4.12E-13 | 53  |
| GCST90274765 | rs7775397  | T | G | 0.8872 | 0.1055  | 3.32E-08 | 31  |
| GCST90274765 | rs7775581  | T | C | 0.5707 | -0.0707 | 2.83E-09 | 35  |
| GCST90274765 | rs7775978  | A | G | 0.5723 | -0.071  | 2.43E-09 | 36  |
| GCST90274765 | rs77761150 | A | C | 0.1721 | -0.1383 | 2.16E-17 | 72  |
| GCST90274765 | rs7776257  | T | C | 0.433  | 0.0735  | 7.15E-09 | 33  |
| GCST90274765 | rs3135043  | A | G | 0.6033 | -0.0757 | 2.82E-10 | 40  |
| GCST90274765 | rs3135334  | T | C | 0.805  | -0.1057 | 1.83E-12 | 50  |
| GCST90274765 | rs3135335  | C | G | 0.3235 | 0.1431  | 2.41E-30 | 131 |
| GCST90274765 | rs3135336  | A | G | 0.6765 | -0.143  | 2.64E-30 | 131 |
| GCST90274765 | rs3135337  | T | C | 0.3001 | -0.0755 | 3.67E-09 | 35  |
| GCST90274765 | rs3135338  | T | C | 0.6764 | -0.143  | 2.64E-30 | 131 |
| GCST90274765 | rs3135339  | C | G | 0.6998 | 0.0755  | 3.67E-09 | 35  |
| GCST90274765 | rs3135340  | T | G | 0.7007 | 0.0753  | 4.03E-09 | 35  |
| GCST90274765 | rs78526588 | T | G | 0.9084 | 0.2204  | 3.10E-26 | 112 |
| GCST90274765 | rs78692977 | A | T | 0.0739 | 0.4588  | 1.74E-53 | 237 |
| GCST90274765 | rs78702244 | A | C | 0.9104 | 0.215   | 2.21E-24 | 104 |
| GCST90274765 | rs7622472  | A | G | 0.4751 | -0.0743 | 2.15E-10 | 40  |
| GCST90274765 | rs7622700  | T | G | 0.3822 | -0.0732 | 3.56E-09 | 35  |
| GCST90274765 | rs7626622  | C | G | 0.2413 | -0.1343 | 2.76E-18 | 76  |
| GCST90274765 | rs3117117  | A | C | 0.8497 | -0.0974 | 6.73E-09 | 34  |
| GCST90274765 | rs3117139  | A | G | 0.1448 | 0.1038  | 1.59E-09 | 36  |
| GCST90274765 | rs79192642 | A | C | 0.8709 | 0.198   | 2.32E-29 | 127 |
| GCST90274765 | rs79328618 | A | G | 0.094  | -0.2016 | 3.25E-22 | 94  |
| GCST90274765 | rs79440790 | A | T | 0.0729 | -0.2073 | 1.07E-17 | 73  |
| GCST90274765 | rs79445387 | A | T | 0.9025 | -0.1907 | 7.21E-20 | 83  |
| GCST90274765 | rs79473311 | C | G | 0.9302 | -0.4573 | 2.47E-58 | 259 |
| GCST90274765 | rs79521265 | A | G | 0.0897 | -0.2134 | 4.80E-24 | 102 |
| GCST90274765 | rs79573551 | T | C | 0.0697 | 0.462   | 2.65E-58 | 259 |
| GCST90274765 | rs79623295 | T | C | 0.8822 | 0.2331  | 2.11E-36 | 159 |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs79781139  | A | G | 0.2406 | 0.1076  | 9.74E-10 | 37  |
| GCST90274765 | rs79951097  | T | C | 0.9405 | -0.4725 | 6.87E-56 | 248 |
| GCST90274765 | rs79953286  | A | G | 0.9363 | 0.2349  | 8.08E-21 | 88  |
| GCST90274765 | rs79961780  | A | C | 0.8659 | -0.1283 | 2.41E-09 | 36  |
| GCST90274765 | rs140736091 | A | T | 0.9584 | -0.4097 | 1.57E-37 | 164 |
| GCST90274765 | rs3134787   | T | G | 0.1726 | 0.0859  | 3.66E-08 | 30  |
| GCST90274765 | rs3134954   | T | C | 0.8531 | -0.0957 | 1.81E-08 | 32  |
| GCST90274765 | rs9264024   | A | G | 0.1557 | 0.0898  | 4.36E-08 | 30  |
| GCST90274765 | rs9265746   | A | G | 0.4063 | 0.0666  | 3.71E-08 | 30  |
| GCST90274765 | rs926593    | A | G | 0.8872 | 0.1051  | 3.74E-08 | 30  |
| GCST90274765 | rs9266457   | T | C | 0.8267 | -0.0853 | 3.73E-08 | 30  |
| GCST90274765 | rs9266459   | A | G | 0.8261 | -0.0866 | 1.87E-08 | 32  |
| GCST90274765 | rs9266479   | T | G | 0.1732 | 0.0865  | 2.40E-08 | 31  |
| GCST90274765 | rs9266513   | A | G | 0.1747 | 0.0866  | 1.87E-08 | 32  |
| GCST90274765 | rs9270799   | T | C | 0.2422 | -0.0931 | 3.16E-10 | 40  |
| GCST90274765 | rs9270868   | A | G | 0.7805 | 0.0916  | 3.43E-09 | 35  |
| GCST90274765 | rs9270911   | T | C | 0.5243 | -0.0982 | 2.76E-16 | 67  |
| GCST90274765 | rs9270917   | T | G | 0.8314 | -0.1189 | 2.67E-12 | 49  |
| GCST90274765 | rs754993    | A | G | 0.4758 | -0.0735 | 3.34E-10 | 39  |
| GCST90274765 | rs75537912  | A | G | 0.8834 | 0.2175  | 1.38E-31 | 137 |
| GCST90274765 | rs75588019  | A | G | 0.2451 | -0.0953 | 8.99E-11 | 42  |
| GCST90274765 | rs75639337  | T | C | 0.2754 | -0.0902 | 1.17E-10 | 42  |
| GCST90274765 | rs7565213   | A | G | 0.4505 | -0.078  | 1.15E-10 | 42  |
| GCST90274765 | rs75880270  | T | G | 0.1827 | 0.1508  | 2.61E-14 | 58  |
| GCST90274765 | rs9271055   | T | G | 0.8244 | -0.1151 | 2.28E-13 | 54  |
| GCST90274765 | rs9271056   | T | C | 0.1625 | 0.1259  | 1.30E-13 | 55  |
| GCST90274765 | rs9271061   | A | T | 0.1729 | 0.1163  | 1.29E-13 | 55  |
| GCST90274765 | rs7872071   | T | C | 0.8631 | -0.141  | 7.23E-17 | 70  |
| GCST90274765 | rs78753889  | A | C | 0.1912 | 0.1414  | 3.13E-13 | 53  |
| GCST90274765 | rs78776954  | T | G | 0.7555 | 0.0843  | 1.00E-09 | 37  |
| GCST90274765 | rs7633210   | T | C | 0.7622 | 0.1306  | 7.77E-22 | 92  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs7633214   | A | T | 0.1181 | -0.2281 | 2.72E-35 | 154 |
| GCST90274765 | rs7633688   | T | G | 0.5242 | 0.0739  | 2.68E-10 | 40  |
| GCST90274765 | rs76351919  | C | G | 0.2308 | -0.0879 | 3.65E-09 | 35  |
| GCST90274765 | rs9271155   | A | G | 0.8065 | -0.1132 | 3.97E-13 | 53  |
| GCST90274765 | rs9271159   | T | C | 0.8374 | -0.1265 | 4.76E-12 | 48  |
| GCST90274765 | rs9271160   | A | G | 0.1586 | 0.1271  | 3.78E-12 | 48  |
| GCST90274765 | rs9271190   | A | C | 0.2843 | -0.0832 | 1.55E-10 | 41  |
| GCST90274765 | rs1391371   | A | T | 0.8068 | 0.1007  | 4.65E-11 | 43  |
| GCST90274765 | rs139455771 | T | C | 0.062  | 0.3297  | 1.42E-27 | 118 |
| GCST90274765 | rs139692935 | A | T | 0.0612 | 0.4827  | 5.60E-61 | 271 |
| GCST90274765 | rs139712278 | T | C | 0.9584 | -0.4095 | 1.71E-37 | 164 |
| GCST90274765 | rs139776498 | T | C | 0.0335 | 0.6341  | 7.43E-22 | 92  |
| GCST90274765 | rs140215683 | T | G | 0.0641 | 0.5185  | 9.13E-51 | 225 |
| GCST90274765 | rs3134782   | A | G | 0.8449 | -0.0904 | 3.54E-08 | 30  |
| GCST90274765 | rs80155922  | A | G | 0.1717 | -0.1398 | 9.76E-18 | 74  |
| GCST90274765 | rs8084      | A | C | 0.4498 | 0.0869  | 2.82E-13 | 53  |
| GCST90274765 | rs11708051  | C | G | 0.2871 | -0.1129 | 3.80E-18 | 75  |
| GCST90274765 | rs11709986  | T | C | 0.8389 | 0.1595  | 3.89E-23 | 98  |
| GCST90274765 | rs117125720 | A | T | 0.063  | 0.5019  | 1.37E-58 | 260 |
| GCST90274765 | rs11713327  | A | G | 0.8394 | 0.1623  | 6.72E-24 | 102 |
| GCST90274765 | rs7775228   | T | C | 0.8653 | -0.2179 | 3.42E-37 | 162 |
| GCST90274765 | rs117205657 | A | G | 0.0067 | 0.7294  | 2.82E-12 | 49  |
| GCST90274765 | rs117296796 | A | G | 0.9389 | -0.4831 | 4.45E-54 | 240 |
| GCST90274765 | rs117468562 | T | C | 0.0635 | 0.4879  | 1.93E-69 | 310 |
| GCST90274765 | rs117504034 | A | G | 0.9395 | -0.515  | 3.30E-61 | 272 |
| GCST90274765 | rs9268925   | A | C | 0.1449 | 0.1102  | 1.48E-10 | 41  |
| GCST90274765 | rs7776297   | T | C | 0.0966 | 0.2197  | 1.48E-26 | 114 |
| GCST90274765 | rs78117783  | A | C | 0.0931 | -0.2234 | 3.74E-27 | 116 |
| GCST90274765 | rs78184001  | T | C | 0.0252 | 0.2344  | 1.85E-09 | 36  |
| GCST90274765 | rs78208917  | A | G | 0.9085 | 0.2207  | 2.66E-26 | 113 |
| GCST90274765 | rs78240150  | T | C | 0.9124 | 0.2141  | 3.42E-24 | 103 |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs78240203 | A | G | 0.7526 | 0.0841  | 8.32E-10 | 38  |
| GCST90274765 | rs78341897 | T | G | 0.8253 | 0.1379  | 2.67E-17 | 72  |
| GCST90274765 | rs7852207  | T | C | 0.1501 | 0.1219  | 2.08E-13 | 54  |
| GCST90274765 | rs62292952 | T | G | 0.8822 | 0.2346  | 7.53E-37 | 161 |
| GCST90274765 | rs62292953 | A | T | 0.1419 | -0.1955 | 1.32E-30 | 132 |
| GCST90274765 | rs9271062  | A | T | 0.805  | -0.1112 | 1.02E-12 | 51  |
| GCST90274765 | rs9271065  | C | G | 0.1417 | 0.1129  | 6.86E-10 | 38  |
| GCST90274765 | rs9271069  | A | G | 0.1618 | 0.1209  | 2.35E-13 | 54  |
| GCST90274765 | rs78798979 | T | C | 0.0636 | 0.4875  | 4.50E-56 | 249 |
| GCST90274765 | rs78982396 | A | C | 0.0979 | 0.1996  | 1.16E-19 | 82  |
| GCST90274765 | rs79152208 | A | C | 0.8702 | 0.1996  | 8.23E-30 | 129 |
| GCST90274765 | rs9270066  | A | G | 0.2299 | 0.1169  | 1.14E-09 | 37  |
| GCST90274765 | rs9270182  | A | G | 0.176  | 0.1447  | 1.31E-12 | 50  |
| GCST90274765 | rs9270187  | T | G | 0.1426 | 0.1251  | 3.05E-09 | 35  |
| GCST90274765 | rs9270475  | A | T | 0.7741 | 0.0866  | 1.87E-08 | 32  |
| GCST90274765 | rs9270493  | T | C | 0.7661 | 0.0818  | 1.06E-08 | 33  |
| GCST90274765 | rs9270502  | T | C | 0.8312 | -0.1216 | 6.42E-12 | 47  |
| GCST90274765 | rs9270596  | A | T | 0.8615 | -0.1147 | 4.05E-09 | 35  |
| GCST90274765 | rs9270600  | T | C | 0.2385 | -0.0844 | 2.15E-09 | 36  |
| GCST90274765 | rs9270602  | C | G | 0.1706 | 0.1204  | 1.07E-13 | 55  |
| GCST90274765 | rs9270623  | A | C | 0.76   | 0.0838  | 2.79E-09 | 35  |
| GCST90274765 | rs3134604  | C | G | 0.136  | 0.0962  | 4.61E-08 | 30  |
| GCST90274765 | rs9270643  | T | C | 0.1543 | 0.1271  | 1.65E-12 | 50  |
| GCST90274765 | rs7652305  | T | G | 0.3259 | -0.0869 | 5.32E-12 | 48  |
| GCST90274765 | rs11706084 | T | C | 0.1612 | -0.16   | 5.26E-23 | 98  |
| GCST90274765 | rs9270664  | A | G | 0.5992 | -0.1178 | 4.65E-22 | 93  |
| GCST90274765 | rs9270665  | T | G | 0.2361 | -0.0842 | 2.35E-09 | 36  |
| GCST90274765 | rs9270700  | T | C | 0.8321 | -0.1233 | 1.02E-12 | 51  |
| GCST90274765 | rs9270715  | T | G | 0.8367 | -0.1258 | 4.83E-13 | 52  |
| GCST90274765 | rs9270761  | T | C | 0.2417 | -0.0828 | 1.42E-08 | 32  |
| GCST90274765 | rs9270772  | T | C | 0.6738 | 0.084   | 4.90E-10 | 39  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs9270789   | A | G | 0.2407 | -0.0898 | 1.67E-09 | 36  |
| GCST90274765 | rs9270790   | A | G | 0.8198 | -0.1227 | 4.14E-12 | 48  |
| GCST90274765 | rs12487584  | T | C | 0.2406 | -0.1355 | 1.38E-18 | 77  |
| GCST90274765 | rs12524661  | A | G | 0.0831 | 0.2546  | 3.41E-29 | 126 |
| GCST90274765 | rs12525220  | A | G | 0.0599 | 0.4728  | 5.86E-56 | 248 |
| GCST90274765 | rs12526593  | A | G | 0.9399 | -0.4896 | 4.71E-61 | 272 |
| GCST90274765 | rs9270928   | T | G | 0.8044 | -0.1111 | 7.62E-13 | 51  |
| GCST90274765 | rs9270980   | A | C | 0.8365 | -0.1232 | 5.82E-13 | 52  |
| GCST90274765 | rs9270984   | T | G | 0.1708 | 0.1161  | 7.68E-13 | 51  |
| GCST90274765 | rs9270986   | A | C | 0.1695 | 0.1166  | 1.11E-13 | 55  |
| GCST90274765 | rs9270997   | A | G | 0.8376 | -0.1221 | 9.31E-13 | 51  |
| GCST90274765 | rs9271025   | T | C | 0.1651 | 0.1218  | 7.80E-13 | 51  |
| GCST90274765 | rs1265757   | T | C | 0.1128 | -0.1046 | 4.34E-08 | 30  |
| GCST90274765 | rs1265758   | A | G | 0.4204 | 0.0756  | 2.11E-10 | 40  |
| GCST90274765 | rs62292957  | T | C | 0.0286 | -0.2353 | 1.62E-10 | 41  |
| GCST90274765 | rs62292958  | A | G | 0.0287 | -0.2365 | 1.30E-10 | 41  |
| GCST90274765 | rs62292959  | A | G | 0.1182 | -0.2292 | 1.29E-35 | 155 |
| GCST90274765 | rs9271082   | T | C | 0.2077 | 0.1043  | 2.30E-11 | 45  |
| GCST90274765 | rs9271116   | T | G | 0.2133 | 0.1093  | 1.77E-12 | 50  |
| GCST90274765 | rs9271126   | T | G | 0.823  | -0.1213 | 5.19E-13 | 52  |
| GCST90274765 | rs9271147   | T | C | 0.1639 | 0.1016  | 2.15E-10 | 40  |
| GCST90274765 | rs9271152   | T | G | 0.1814 | 0.1179  | 4.10E-14 | 57  |
| GCST90274765 | rs138082244 | T | C | 0.0233 | 0.2786  | 7.55E-11 | 42  |
| GCST90274765 | rs138256019 | A | G | 0.0604 | 0.4749  | 2.56E-54 | 241 |
| GCST90274765 | rs138517496 | A | G | 0.0159 | -0.2874 | 3.07E-08 | 31  |
| GCST90274765 | rs138816958 | T | C | 0.9339 | -0.4654 | 1.43E-52 | 233 |
| GCST90274765 | rs138925198 | A | G | 0.7855 | -0.194  | 4.53E-17 | 71  |
| GCST90274765 | rs139025848 | T | C | 0.0681 | 0.5664  | 1.78E-55 | 246 |
| GCST90274765 | rs11924792  | A | C | 0.8817 | 0.2287  | 1.81E-35 | 154 |
| GCST90274765 | rs11925382  | T | C | 0.8807 | 0.2278  | 1.43E-35 | 155 |
| GCST90274765 | rs9270633   | A | G | 0.1663 | 0.1265  | 2.63E-13 | 53  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs7651894   | A | G | 0.5318 | 0.0794  | 7.51E-10 | 38  |
| GCST90274765 | rs117023022 | T | G | 0.9388 | -0.4918 | 3.04E-59 | 263 |
| GCST90274765 | rs9270656   | A | C | 0.8293 | -0.118  | 1.16E-13 | 55  |
| GCST90274765 | rs11926095  | A | G | 0.8708 | 0.2012  | 6.09E-30 | 129 |
| GCST90274765 | rs11926381  | T | C | 0.1191 | -0.2152 | 6.31E-32 | 138 |
| GCST90274765 | rs11926694  | A | C | 0.882  | 0.2312  | 3.28E-36 | 158 |
| GCST90274765 | rs11927882  | A | G | 0.2406 | -0.1349 | 1.96E-18 | 77  |
| GCST90274765 | rs12163639  | A | G | 0.1179 | -0.2294 | 1.12E-35 | 155 |
| GCST90274765 | rs11718115  | T | C | 0.3269 | -0.0868 | 5.62E-12 | 47  |
| GCST90274765 | rs12336168  | T | C | 0.848  | -0.1144 | 1.64E-12 | 50  |
| GCST90274765 | rs12348523  | A | G | 0.1693 | 0.1112  | 1.02E-12 | 51  |
| GCST90274765 | rs12348592  | A | G | 0.1556 | 0.1216  | 4.26E-14 | 57  |
| GCST90274765 | rs1265762   | A | C | 0.5725 | -0.0711 | 2.30E-09 | 36  |
| GCST90274765 | rs62293979  | C | G | 0.8819 | 0.2282  | 2.54E-35 | 154 |
| GCST90274765 | rs9268927   | A | T | 0.147  | 0.1094  | 1.23E-10 | 41  |
| GCST90274765 | rs9268978   | A | G | 0.147  | 0.1091  | 1.38E-10 | 41  |
| GCST90274765 | rs9269047   | C | G | 0.1474 | 0.1106  | 7.72E-11 | 42  |
| GCST90274765 | rs9269235   | T | G | 0.1693 | 0.1282  | 3.24E-13 | 53  |
| GCST90274765 | rs9269256   | A | T | 0.1744 | 0.1275  | 4.35E-13 | 52  |
| GCST90274765 | rs9269258   | C | G | 0.8238 | -0.1407 | 7.21E-14 | 56  |
| GCST90274765 | rs62292950  | T | G | 0.8546 | 0.1911  | 2.56E-29 | 126 |
| GCST90274765 | rs62292951  | T | C | 0.1178 | -0.2327 | 2.78E-36 | 158 |
| GCST90274765 | rs9269343   | A | T | 0.8101 | -0.1461 | 9.05E-14 | 56  |
| GCST90274765 | rs1265759   | T | C | 0.5725 | -0.071  | 2.43E-09 | 36  |
| GCST90274765 | rs1265760   | T | C | 0.4274 | 0.071   | 2.43E-09 | 36  |
| GCST90274765 | rs9269376   | A | T | 0.2929 | 0.0968  | 6.78E-09 | 34  |
| GCST90274765 | rs7651384   | A | C | 0.5243 | 0.0737  | 2.99E-10 | 40  |
| GCST90274765 | rs62293981  | A | G | 0.8953 | 0.2273  | 1.44E-28 | 123 |
| GCST90274765 | rs62293983  | T | G | 0.9716 | 0.2237  | 1.34E-09 | 37  |
| GCST90274765 | rs9270062   | A | G | 0.7716 | -0.1163 | 1.68E-09 | 36  |
| GCST90274765 | rs11918640  | A | G | 0.7578 | 0.1334  | 4.62E-18 | 75  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274765 | rs11920197  | T | C | 0.7582 | 0.1333  | 4.89E-18 | 75  |
| GCST90274765 | rs11920646  | A | T | 0.1186 | -0.233  | 2.26E-36 | 159 |
| GCST90274765 | rs11920676  | A | G | 0.8706 | 0.1992  | 1.07E-29 | 128 |
| GCST90274765 | rs11920734  | T | G | 0.8813 | 0.2295  | 2.44E-35 | 154 |
| GCST90274765 | rs11923081  | A | C | 0.8742 | 0.2058  | 2.85E-30 | 131 |
| GCST90274765 | rs11923334  | A | G | 0.0912 | -0.2209 | 2.40E-26 | 113 |
| GCST90274765 | rs9269375   | A | G | 0.2943 | 0.0976  | 5.09E-09 | 34  |
| GCST90274765 | rs117916130 | C | G | 0.9926 | -0.7366 | 2.41E-12 | 49  |
| GCST90274765 | rs9269438   | T | C | 0.832  | -0.1358 | 2.56E-12 | 49  |
| GCST90274765 | rs11925701  | A | G | 0.1182 | -0.2328 | 2.59E-36 | 158 |
| GCST90274765 | rs11926081  | T | G | 0.1075 | -0.2143 | 2.71E-26 | 113 |
| GCST90274765 | rs11751697  | T | C | 0.08   | 0.2896  | 1.66E-31 | 136 |
| GCST90274765 | rs12527228  | T | C | 0.0597 | 0.5042  | 7.45E-60 | 266 |
| GCST90274765 | rs12528026  | A | G | 0.9168 | -0.2545 | 3.58E-29 | 126 |
| GCST90274765 | rs12529318  | T | C | 0.0596 | 0.5169  | 8.17E-63 | 280 |
| GCST90274765 | rs12529850  | T | G | 0.0988 | 0.1929  | 3.20E-21 | 89  |
| GCST90274765 | rs12636390  | T | C | 0.7165 | 0.1132  | 3.10E-18 | 76  |
| GCST90274765 | rs12195582  | T | C | 0.4748 | -0.0766 | 8.44E-09 | 33  |
| GCST90274765 | rs9269297   | T | G | 0.1799 | 0.1492  | 8.65E-14 | 56  |
| GCST90274765 | rs13099099  | T | C | 0.6285 | 0.0877  | 2.08E-10 | 40  |
| GCST90274765 | rs13192471  | T | C | 0.8356 | -0.0919 | 2.55E-08 | 31  |
| GCST90274765 | rs118090646 | A | G | 0.2208 | 0.1511  | 3.42E-11 | 44  |
| GCST90274765 | rs1281937   | T | C | 0.7046 | 0.0847  | 5.17E-11 | 43  |
| GCST90274765 | rs1378811   | T | C | 0.4739 | -0.0755 | 1.10E-10 | 42  |
| GCST90274765 | rs11757382  | A | C | 0.803  | -0.1053 | 8.05E-12 | 47  |
| GCST90274765 | rs1378806   | A | G | 0.5135 | 0.0751  | 9.54E-11 | 42  |
| GCST90274765 | rs1378807   | C | G | 0.7143 | 0.1129  | 2.10E-18 | 77  |
| GCST90274765 | rs117773289 | A | G | 0.9404 | -0.5092 | 2.04E-58 | 260 |
| GCST90274765 | rs9269511   | A | C | 0.8305 | -0.1488 | 3.01E-13 | 53  |
| GCST90274765 | rs11759575  | T | C | 0.08   | 0.2926  | 3.98E-32 | 139 |
| GCST90274765 | rs12639254  | A | G | 0.7928 | 0.1119  | 7.80E-15 | 60  |

|              |            |   |   |        |         |           |     |
|--------------|------------|---|---|--------|---------|-----------|-----|
| GCST90274765 | rs11925495 | A | G | 0.8776 | 0.2074  | 2.13E-30  | 131 |
| GCST90274765 | rs11756095 | T | C | 0.863  | -0.1788 | 4.76E-20  | 84  |
| GCST90274765 | rs9269675  | T | C | 0.8108 | -0.1121 | 3.64E-09  | 35  |
| GCST90274765 | rs9269795  | A | G | 0.8179 | -0.1232 | 3.39E-12  | 48  |
| GCST90274765 | rs11755505 | T | G | 0.0801 | 0.2911  | 1.42E-31  | 137 |
| GCST90274765 | rs11914615 | T | C | 0.8705 | 0.2011  | 2.76E-29  | 126 |
| GCST90274765 | rs11917172 | T | G | 0.8706 | 0.199   | 1.21E-29  | 128 |
| GCST90274765 | rs11916613 | T | G | 0.1178 | -0.2325 | 3.18E-36  | 158 |
| GCST90274765 | rs11759612 | T | C | 0.0801 | 0.2914  | 7.06E-32  | 138 |
| GCST90274765 | rs9269911  | A | T | 0.224  | 0.1191  | 4.38E-12  | 48  |
| GCST90274765 | rs9269921  | C | G | 0.6653 | 0.0967  | 1.51E-09  | 37  |
| GCST90274765 | rs11914633 | T | C | 0.7723 | 0.1389  | 4.56E-16  | 66  |
| GCST90274765 | rs11915025 | T | C | 0.7581 | 0.1344  | 2.61E-18  | 76  |
| GCST90274765 | rs11915405 | T | C | 0.8385 | 0.1592  | 4.68E-23  | 98  |
| GCST90274765 | rs11915616 | T | G | 0.1599 | -0.1583 | 2.69E-22  | 94  |
| GCST90274765 | rs11915472 | A | G | 0.9089 | 0.2222  | 1.23E-26  | 114 |
| GCST90274768 | rs6489548  | A | G | 0.4075 | -0.1057 | 1.65E-19  | 82  |
| GCST90274768 | rs667295   | A | G | 0.5491 | -0.081  | 4.42E-12  | 48  |
| GCST90274768 | rs646327   | A | G | 0.5321 | 0.3053  | 5.42E-158 | 717 |
| GCST90274768 | rs669789   | T | C | 0.6354 | -0.1559 | 5.29E-30  | 129 |
| GCST90274768 | rs12973149 | A | G | 0.0689 | -0.17   | 2.96E-13  | 53  |
| GCST90274768 | rs643434   | A | G | 0.3828 | -0.1304 | 1.08E-22  | 96  |
| GCST90274768 | rs66514709 | A | C | 0.1497 | 0.1273  | 2.48E-14  | 58  |
| GCST90274768 | rs649129   | T | C | 0.2149 | -0.2273 | 3.57E-43  | 190 |
| GCST90274768 | rs635634   | T | C | 0.1875 | -0.2482 | 1.52E-50  | 224 |
| GCST90274768 | rs660340   | A | G | 0.4419 | 0.0815  | 4.93E-10  | 39  |
| GCST90274768 | rs6509400  | A | C | 0.1596 | 0.1303  | 4.18E-15  | 62  |
| GCST90274768 | rs647800   | A | G | 0.4191 | 0.0785  | 3.59E-09  | 35  |
| GCST90274768 | rs62132802 | T | C | 0.3083 | 0.1329  | 1.49E-20  | 86  |
| GCST90274768 | rs62132803 | T | C | 0.276  | -0.1895 | 3.54E-41  | 181 |
| GCST90274768 | rs660745   | T | C | 0.5227 | 0.2608  | 2.19E-101 | 457 |

|              |             |   |   |        |         |           |     |
|--------------|-------------|---|---|--------|---------|-----------|-----|
| GCST90274768 | rs12973064  | T | C | 0.2777 | -0.1731 | 7.31E-40  | 175 |
| GCST90274768 | rs630014    | A | G | 0.4634 | 0.0941  | 6.81E-13  | 52  |
| GCST90274768 | rs632111    | A | G | 0.5304 | 0.3096  | 2.88E-165 | 751 |
| GCST90274768 | rs12973257  | T | C | 0.0721 | -0.1577 | 7.06E-12  | 47  |
| GCST90274768 | rs62132808  | T | G | 0.3152 | -0.1785 | 2.37E-39  | 172 |
| GCST90274768 | rs633862    | T | C | 0.548  | -0.0839 | 2.07E-10  | 40  |
| GCST90274768 | rs6603146   | C | G | 0.2932 | 0.1227  | 1.47E-20  | 86  |
| GCST90274768 | rs12972954  | T | C | 0.3703 | 0.3311  | 3.54E-176 | 801 |
| GCST90274768 | rs637174    | A | G | 0.3582 | 0.1505  | 1.34E-24  | 105 |
| GCST90274768 | rs6603128   | A | C | 0.4666 | 0.3353  | 6.91E-187 | 850 |
| GCST90274768 | rs12973145  | A | C | 0.6219 | -0.3275 | 2.66E-151 | 686 |
| GCST90274768 | rs12973148  | T | C | 0.624  | -0.3276 | 2.15E-151 | 687 |
| GCST90274768 | rs74256517  | A | G | 0.0164 | -0.3902 | 4.57E-10  | 39  |
| GCST90274768 | rs74256540  | A | G | 0.1421 | 0.1236  | 3.58E-13  | 53  |
| GCST90274768 | rs62132810  | A | G | 0.1192 | 0.1608  | 4.62E-16  | 66  |
| GCST90274768 | rs12611321  | A | G | 0.1176 | -0.1009 | 4.92E-08  | 30  |
| GCST90274768 | rs633236    | T | C | 0.3716 | 0.1387  | 2.01E-24  | 104 |
| GCST90274768 | rs633372    | A | G | 0.4676 | -0.3047 | 3.12E-142 | 645 |
| GCST90274768 | rs6603138   | A | G | 0.5504 | 0.2355  | 3.36E-93  | 419 |
| GCST90274768 | rs12972953  | A | G | 0.5021 | 0.3535  | 1.00E-200 | 962 |
| GCST90274768 | rs116835305 | A | T | 0.8442 | 0.137   | 5.17E-14  | 57  |
| GCST90274768 | rs116922356 | T | C | 0.0893 | 0.132   | 4.45E-09  | 34  |
| GCST90274768 | rs117303347 | T | C | 0.1989 | -0.1872 | 7.45E-35  | 152 |
| GCST90274768 | rs117303645 | A | G | 0.8019 | 0.1847  | 2.75E-35  | 154 |
| GCST90274768 | rs117402668 | T | G | 0.7821 | 0.1711  | 2.60E-31  | 135 |
| GCST90274768 | rs117407996 | T | C | 0.7929 | 0.1526  | 1.43E-25  | 109 |
| GCST90274768 | rs117424304 | A | G | 0.0137 | 0.3657  | 4.36E-10  | 39  |
| GCST90274768 | rs12973284  | A | C | 0.9308 | 0.1643  | 2.20E-12  | 49  |
| GCST90274768 | rs6509405   | T | C | 0.5142 | -0.0682 | 7.49E-09  | 33  |
| GCST90274768 | rs630510    | A | G | 0.4632 | 0.0957  | 2.77E-13  | 53  |
| GCST90274768 | rs12972375  | A | G | 0.0688 | -0.1688 | 4.34E-13  | 52  |

|              |             |   |   |        |         |           |     |
|--------------|-------------|---|---|--------|---------|-----------|-----|
| GCST90274768 | rs12972842  | A | G | 0.3568 | -0.0785 | 1.75E-10  | 41  |
| GCST90274768 | rs11673432  | T | C | 0.7358 | 0.1182  | 3.59E-18  | 76  |
| GCST90274768 | rs736170    | T | C | 0.7983 | 0.0886  | 1.29E-09  | 37  |
| GCST90274768 | rs739320    | T | C | 0.3501 | -0.2352 | 4.45E-72  | 322 |
| GCST90274768 | rs12972972  | T | C | 0.2559 | -0.2248 | 1.66E-60  | 269 |
| GCST90274768 | rs739468    | T | G | 0.1389 | -0.1633 | 5.55E-17  | 70  |
| GCST90274768 | rs74176259  | T | C | 0.0176 | -0.3943 | 3.14E-13  | 53  |
| GCST90274768 | rs74180117  | T | C | 0.8875 | 0.2228  | 2.91E-27  | 117 |
| GCST90274768 | rs115510924 | A | G | 0.2001 | -0.1812 | 7.80E-36  | 156 |
| GCST90274768 | rs117462327 | A | T | 0.0364 | 0.2857  | 6.06E-18  | 75  |
| GCST90274768 | rs12611311  | A | G | 0.4482 | -0.236  | 1.38E-93  | 421 |
| GCST90274768 | rs113944886 | A | G | 0.0442 | 0.3831  | 2.59E-38  | 168 |
| GCST90274768 | rs12611329  | T | C | 0.1365 | 0.184   | 3.13E-28  | 121 |
| GCST90274768 | rs12811171  | T | C | 0.3417 | -0.0884 | 6.62E-13  | 52  |
| GCST90274768 | rs73590361  | T | C | 0.1521 | -0.1114 | 6.13E-12  | 47  |
| GCST90274768 | rs654489    | A | G | 0.6442 | -0.0935 | 1.17E-13  | 55  |
| GCST90274768 | rs657152    | A | C | 0.3831 | -0.1301 | 1.35E-22  | 96  |
| GCST90274768 | rs659104    | T | G | 0.4419 | 0.0817  | 4.47E-10  | 39  |
| GCST90274768 | rs12976110  | C | G | 0.9583 | 0.2641  | 6.40E-17  | 70  |
| GCST90274768 | rs12976850  | A | C | 0.9291 | 0.1765  | 7.50E-14  | 56  |
| GCST90274768 | rs12977189  | T | C | 0.0685 | -0.1678 | 5.95E-13  | 52  |
| GCST90274768 | rs6603131   | A | G | 0.5027 | -0.3603 | 1.00E-200 | 965 |
| GCST90274768 | rs115789235 | T | G | 0.9503 | -0.171  | 1.01E-09  | 37  |
| GCST90274768 | rs745123    | T | C | 0.068  | -0.1675 | 6.53E-13  | 52  |
| GCST90274768 | rs12973839  | A | C | 0.4842 | -0.1922 | 1.05E-62  | 279 |
| GCST90274768 | rs651007    | T | C | 0.2107 | -0.2187 | 4.77E-43  | 189 |
| GCST90274768 | rs652260    | T | C | 0.5497 | -0.0783 | 9.85E-12  | 46  |
| GCST90274768 | rs653395    | A | G | 0.3651 | 0.1619  | 1.42E-28  | 123 |
| GCST90274768 | rs62130342  | C | G | 0.1148 | 0.1326  | 1.33E-11  | 46  |
| GCST90274768 | rs62130349  | A | G | 0.9228 | -0.1517 | 2.60E-10  | 40  |
| GCST90274768 | rs62132778  | C | G | 0.1416 | 0.1361  | 4.00E-14  | 57  |

|              |             |   |   |        |         |           |     |
|--------------|-------------|---|---|--------|---------|-----------|-----|
| GCST90274768 | rs62132780  | A | G | 0.9305 | -0.1504 | 7.10E-10  | 38  |
| GCST90274768 | rs62132800  | T | C | 0.0977 | 0.1717  | 7.90E-15  | 60  |
| GCST90274768 | rs62132801  | A | T | 0.9029 | -0.1698 | 5.08E-15  | 61  |
| GCST90274768 | rs12611143  | A | C | 0.9114 | -0.1556 | 1.05E-09  | 37  |
| GCST90274768 | rs12611201  | A | G | 0.4619 | 0.1919  | 1.63E-62  | 278 |
| GCST90274768 | rs62132804  | A | C | 0.097  | 0.1545  | 1.37E-12  | 50  |
| GCST90274768 | rs62132806  | A | G | 0.1003 | 0.1663  | 7.79E-15  | 60  |
| GCST90274768 | rs62132807  | A | G | 0.0973 | 0.1581  | 3.20E-13  | 53  |
| GCST90274768 | rs113948185 | A | T | 0.3351 | 0.1141  | 1.68E-18  | 77  |
| GCST90274768 | rs113972334 | T | C | 0.877  | 0.1778  | 1.29E-20  | 87  |
| GCST90274768 | rs114364310 | A | G | 0.2021 | -0.1786 | 7.32E-35  | 152 |
| GCST90274768 | rs115171526 | A | G | 0.7978 | 0.1505  | 1.09E-23  | 101 |
| GCST90274768 | rs11542187  | T | C | 0.9553 | -0.3949 | 3.93E-41  | 180 |
| GCST90274768 | rs73942308  | A | G | 0.8522 | -0.2005 | 1.16E-19  | 82  |
| GCST90274768 | rs11542189  | T | C | 0.0721 | -0.1629 | 2.19E-12  | 49  |
| GCST90274768 | rs115478735 | A | T | 0.8165 | 0.2322  | 2.40E-34  | 149 |
| GCST90274768 | rs11548193  | C | G | 0.2013 | -0.0892 | 9.99E-10  | 37  |
| GCST90274768 | rs35761442  | T | C | 0.646  | -0.1899 | 8.58E-50  | 220 |
| GCST90274768 | rs35788371  | T | C | 0.8403 | 0.1059  | 1.07E-10  | 42  |
| GCST90274768 | rs11612228  | T | C | 0.3314 | -0.0891 | 6.70E-13  | 52  |
| GCST90274768 | rs74662365  | C | G | 0.2034 | -0.1808 | 3.71E-36  | 158 |
| GCST90274768 | rs12973889  | A | G | 0.9312 | 0.1771  | 9.98E-14  | 55  |
| GCST90274768 | rs12974407  | T | G | 0.4896 | -0.165  | 1.10E-46  | 206 |
| GCST90274768 | rs12974828  | A | G | 0.0702 | -0.1603 | 8.59E-11  | 42  |
| GCST90274768 | rs12975055  | C | G | 0.1295 | -0.1545 | 1.39E-17  | 73  |
| GCST90274768 | rs12975468  | C | G | 0.9286 | 0.1709  | 2.81E-13  | 53  |
| GCST90274768 | rs12975781  | T | C | 0.4282 | 0.1747  | 1.36E-49  | 219 |
| GCST90274768 | rs75179845  | T | C | 0.9049 | -0.1296 | 2.32E-08  | 31  |
| GCST90274768 | rs752406    | T | C | 0.4737 | 0.3316  | 5.13E-186 | 846 |
| GCST90274768 | rs75294874  | T | C | 0.0499 | 0.2121  | 3.59E-14  | 57  |
| GCST90274768 | rs75341389  | T | C | 0.1326 | 0.0983  | 2.80E-08  | 31  |

|              |             |   |   |        |         |           |     |
|--------------|-------------|---|---|--------|---------|-----------|-----|
| GCST90274768 | rs75461160  | A | G | 0.201  | -0.1797 | 2.85E-35  | 154 |
| GCST90274768 | rs6603132   | A | C | 0.5024 | -0.361  | 1.00E-200 | 968 |
| GCST90274768 | rs6603133   | T | C | 0.4966 | 0.361   | 1.00E-200 | 952 |
| GCST90274768 | rs6603134   | A | G | 0.4388 | 0.3267  | 8.56E-184 | 836 |
| GCST90274768 | rs6603135   | T | G | 0.8021 | 0.0866  | 6.17E-09  | 34  |
| GCST90274768 | rs6603136   | A | C | 0.5523 | 0.2358  | 1.97E-93  | 420 |
| GCST90274768 | rs12978737  | A | G | 0.7298 | 0.1981  | 3.20E-53  | 236 |
| GCST90274768 | rs12978750  | A | G | 0.519  | 0.2649  | 2.00E-115 | 521 |
| GCST90274768 | rs12978752  | A | C | 0.5193 | 0.2649  | 2.00E-115 | 521 |
| GCST90274768 | rs12978895  | A | G | 0.258  | -0.23   | 5.40E-68  | 304 |
| GCST90274768 | rs12979024  | A | G | 0.0698 | -0.1749 | 1.25E-13  | 55  |
| GCST90274768 | rs12979144  | A | G | 0.459  | 0.2103  | 1.05E-74  | 334 |
| GCST90274768 | rs12979278  | T | C | 0.4799 | -0.2651 | 1.35E-115 | 522 |
| GCST90274768 | rs12979580  | T | G | 0.6275 | 0.2151  | 1.77E-68  | 306 |
| GCST90274768 | rs12979591  | T | C | 0.0687 | -0.1684 | 6.17E-13  | 52  |
| GCST90274768 | rs12979751  | T | C | 0.6222 | -0.3268 | 1.15E-150 | 684 |
| GCST90274768 | rs117495972 | A | G | 0.9723 | 0.2693  | 3.29E-11  | 44  |
| GCST90274768 | rs35535549  | T | C | 0.3027 | -0.0789 | 4.27E-08  | 30  |
| GCST90274768 | rs35548095  | A | T | 0.2321 | -0.2841 | 4.78E-89  | 400 |
| GCST90274768 | rs35618038  | A | G | 0.5557 | 0.2305  | 5.66E-85  | 382 |
| GCST90274768 | rs35624673  | T | C | 0.4543 | -0.2001 | 1.42E-65  | 292 |
| GCST90274768 | rs35633710  | T | C | 0.7284 | 0.2017  | 1.72E-53  | 237 |
| GCST90274768 | rs11542188  | A | G | 0.069  | -0.1792 | 8.23E-14  | 56  |
| GCST90274768 | rs35650232  | T | G | 0.7227 | -0.1264 | 4.82E-18  | 75  |
| GCST90274768 | rs35672116  | A | G | 0.9313 | 0.1784  | 1.06E-13  | 55  |
| GCST90274768 | rs35689395  | C | G | 0.9306 | 0.169   | 5.11E-13  | 52  |
| GCST90274768 | rs77176022  | A | T | 0.9447 | -0.1502 | 2.36E-08  | 31  |
| GCST90274768 | rs77261076  | A | G | 0.1767 | -0.2095 | 1.12E-42  | 187 |
| GCST90274768 | rs35810163  | A | G | 0.0715 | -0.1603 | 5.99E-12  | 47  |
| GCST90274768 | rs11665957  | C | G | 0.1976 | -0.0946 | 2.13E-09  | 36  |
| GCST90274768 | rs7467847   | C | G | 0.0965 | 0.126   | 4.91E-08  | 30  |

|              |             |   |   |        |         |           |      |
|--------------|-------------|---|---|--------|---------|-----------|------|
| GCST90274768 | rs7469795   | T | C | 0.665  | -0.0886 | 1.29E-09  | 37   |
| GCST90274768 | rs74954996  | A | C | 0.0753 | 0.4214  | 2.40E-80  | 360  |
| GCST90274768 | rs74959615  | A | G | 0.0737 | 0.3792  | 7.61E-65  | 289  |
| GCST90274768 | rs75069583  | T | C | 0.0548 | 0.1561  | 7.40E-09  | 33   |
| GCST90274768 | rs75137889  | T | C | 0.0234 | -0.3852 | 8.32E-14  | 56   |
| GCST90274768 | rs11669144  | A | G | 0.2596 | -0.1663 | 7.12E-36  | 156  |
| GCST90274768 | rs11669203  | C | G | 0.2264 | 0.0852  | 1.08E-08  | 33   |
| GCST90274768 | rs11670116  | C | G | 0.2594 | -0.2325 | 1.95E-67  | 301  |
| GCST90274768 | rs11671705  | T | C | 0.175  | -0.1201 | 3.86E-12  | 48   |
| GCST90274768 | rs11672046  | T | C | 0.4618 | 0.192   | 1.41E-62  | 279  |
| GCST90274768 | rs11672900  | A | G | 0.5211 | 0.2645  | 4.66E-117 | 529  |
| GCST90274768 | rs11672905  | A | G | 0.2015 | -0.0904 | 5.95E-10  | 38   |
| GCST90274768 | rs11672985  | A | C | 0.8403 | -0.1303 | 5.00E-14  | 57   |
| GCST90274768 | rs11673107  | T | C | 0.5075 | 0.072   | 1.97E-09  | 36   |
| GCST90274768 | rs11673355  | T | C | 0.6304 | -0.3332 | 2.15E-178 | 811  |
| GCST90274768 | rs55732460  | A | G | 0.201  | -0.0889 | 1.14E-09  | 37   |
| GCST90274768 | rs55747444  | A | T | 0.9309 | 0.1646  | 2.00E-12  | 49   |
| GCST90274768 | rs55755237  | T | C | 0.4348 | 0.3931  | 1.00E-200 | 1110 |
| GCST90274768 | rs55761453  | A | C | 0.0785 | 0.1533  | 2.12E-09  | 36   |
| GCST90274768 | rs55789508  | A | G | 0.9323 | 0.1734  | 1.60E-13  | 54   |
| GCST90274768 | rs558240    | A | G | 0.3857 | -0.1092 | 9.79E-16  | 64   |
| GCST90274768 | rs55845020  | T | C | 0.0681 | -0.1696 | 4.23E-13  | 53   |
| GCST90274768 | rs55850302  | A | G | 0.0734 | -0.1613 | 2.90E-12  | 49   |
| GCST90274768 | rs55858841  | T | C | 0.4941 | -0.072  | 1.97E-09  | 36   |
| GCST90274768 | rs55862657  | T | C | 0.0685 | -0.1654 | 1.95E-12  | 50   |
| GCST90274768 | rs55867018  | A | G | 0.7813 | -0.114  | 3.86E-16  | 66   |
| GCST90274768 | rs117514153 | T | C | 0.0381 | 0.2828  | 5.94E-19  | 79   |
| GCST90274768 | rs117637318 | A | G | 0.0157 | 0.5432  | 2.43E-28  | 122  |
| GCST90274768 | rs117860231 | T | C | 0.2085 | -0.1812 | 7.80E-36  | 156  |
| GCST90274768 | rs11793170  | A | G | 0.2917 | -0.0815 | 1.90E-08  | 32   |
| GCST90274768 | rs11793870  | A | G | 0.3053 | -0.0788 | 3.58E-08  | 30   |

|              |            |   |   |        |         |           |     |
|--------------|------------|---|---|--------|---------|-----------|-----|
| GCST90274768 | rs35641641 | A | C | 0.7222 | 0.1971  | 1.68E-53  | 237 |
| GCST90274768 | rs76880079 | T | C | 0.1269 | 0.1759  | 8.63E-23  | 97  |
| GCST90274768 | rs77007823 | T | C | 0.1287 | 0.1766  | 3.36E-23  | 98  |
| GCST90274768 | rs77152071 | C | G | 0.948  | -0.2863 | 1.22E-26  | 114 |
| GCST90274768 | rs56062602 | A | G | 0.5015 | 0.0804  | 6.34E-12  | 47  |
| GCST90274768 | rs56066508 | T | C | 0.4715 | 0.1961  | 3.37E-65  | 291 |
| GCST90274768 | rs56075808 | T | G | 0.4588 | 0.0842  | 9.64E-13  | 51  |
| GCST90274768 | rs35857402 | A | G | 0.9315 | 0.1684  | 4.92E-13  | 52  |
| GCST90274768 | rs11666792 | A | G | 0.4726 | -0.2669 | 3.72E-119 | 539 |
| GCST90274768 | rs11667321 | A | G | 0.5172 | -0.2017 | 7.20E-69  | 308 |
| GCST90274768 | rs11667366 | A | T | 0.6514 | -0.0768 | 3.29E-08  | 31  |
| GCST90274768 | rs11667465 | A | G | 0.0397 | -0.2777 | 2.57E-16  | 67  |
| GCST90274768 | rs11667975 | T | G | 0.2572 | -0.1662 | 2.52E-35  | 154 |
| GCST90274768 | rs11668580 | A | G | 0.3908 | -0.2226 | 3.33E-73  | 328 |
| GCST90274768 | rs36024094 | T | C | 0.0686 | -0.1647 | 1.56E-12  | 50  |
| GCST90274768 | rs36222279 | C | G | 0.0924 | -0.1693 | 1.40E-12  | 50  |
| GCST90274768 | rs3679     | T | C | 0.3554 | -0.1126 | 2.58E-18  | 76  |
| GCST90274768 | rs368565   | T | C | 0.4917 | 0.2765  | 2.00E-119 | 540 |
| GCST90274768 | rs368654   | A | G | 0.2696 | -0.2452 | 9.81E-68  | 302 |
| GCST90274768 | rs370489   | T | C | 0.1828 | 0.112   | 3.52E-13  | 53  |
| GCST90274768 | rs371690   | A | G | 0.6452 | -0.1836 | 4.27E-48  | 212 |
| GCST90274768 | rs373002   | T | C | 0.4    | 0.1924  | 4.97E-56  | 249 |
| GCST90274768 | rs12977723 | T | G | 0.7078 | 0.1112  | 1.09E-18  | 78  |
| GCST90274768 | rs12978499 | A | C | 0.5407 | -0.2108 | 4.73E-75  | 336 |
| GCST90274768 | rs12609627 | T | C | 0.2318 | -0.2856 | 3.19E-91  | 410 |
| GCST90274768 | rs12609798 | T | C | 0.5057 | 0.157   | 4.19E-35  | 153 |
| GCST90274768 | rs12610269 | T | C | 0.5    | 0.3544  | 1.00E-200 | 950 |
| GCST90274768 | rs12610435 | A | G | 0.2564 | -0.2317 | 5.49E-67  | 299 |
| GCST90274768 | rs12610554 | A | G | 0.2318 | -0.2903 | 6.84E-93  | 418 |
| GCST90274768 | rs12610620 | T | C | 0.771  | 0.2842  | 2.38E-90  | 406 |
| GCST90274768 | rs12611028 | T | C | 0.1855 | 0.1576  | 3.45E-25  | 108 |

|              |            |   |   |        |         |           |     |
|--------------|------------|---|---|--------|---------|-----------|-----|
| GCST90274768 | rs35415540 | A | C | 0.3013 | 0.0942  | 4.29E-13  | 53  |
| GCST90274768 | rs35450632 | T | C | 0.1511 | 0.1509  | 5.94E-20  | 84  |
| GCST90274768 | rs12611203 | A | G | 0.4619 | 0.1919  | 1.63E-62  | 278 |
| GCST90274768 | rs12611211 | A | G | 0.4618 | 0.192   | 1.41E-62  | 279 |
| GCST90274768 | rs12611310 | A | G | 0.4764 | 0.3317  | 3.98E-186 | 847 |
| GCST90274768 | rs731604   | A | G | 0.7293 | 0.1945  | 2.28E-51  | 227 |
| GCST90274768 | rs7351053  | T | C | 0.7996 | 0.0828  | 2.74E-08  | 31  |
| GCST90274768 | rs7351083  | A | G | 0.3948 | -0.1333 | 8.64E-28  | 119 |
| GCST90274768 | rs73581799 | A | G | 0.72   | -0.1566 | 1.49E-31  | 137 |
| GCST90274768 | rs73583718 | A | G | 0.8388 | -0.1234 | 1.32E-12  | 50  |
| GCST90274768 | rs1688263  | A | G | 0.6795 | -0.088  | 2.15E-09  | 36  |
| GCST90274768 | rs1688264  | T | G | 0.5338 | 0.3081  | 5.09E-143 | 648 |
| GCST90274768 | rs16982241 | A | G | 0.1406 | 0.1887  | 2.59E-28  | 122 |
| GCST90274768 | rs1704773  | A | G | 0.5318 | 0.3097  | 2.26E-165 | 751 |
| GCST90274768 | rs17150482 | T | C | 0.6975 | -0.0908 | 2.16E-10  | 40  |
| GCST90274768 | rs17160077 | A | G | 0.9314 | 0.1704  | 2.61E-13  | 53  |
| GCST90274768 | rs56119987 | A | G | 0.7874 | -0.1095 | 1.90E-14  | 59  |
| GCST90274768 | rs35866622 | T | C | 0.429  | -0.2962 | 8.17E-144 | 652 |
| GCST90274768 | rs35882350 | A | G | 0.7414 | 0.0831  | 1.31E-09  | 37  |
| GCST90274768 | rs35986520 | A | G | 0.0686 | -0.1729 | 1.17E-13  | 55  |
| GCST90274768 | rs35988441 | T | C | 0.8327 | 0.1697  | 3.12E-27  | 117 |
| GCST90274768 | rs35989631 | T | C | 0.2752 | -0.1698 | 7.21E-38  | 165 |
| GCST90274768 | rs35990148 | C | G | 0.8574 | 0.1448  | 8.66E-16  | 65  |
| GCST90274768 | rs12460643 | A | G | 0.2952 | -0.1128 | 4.07E-18  | 75  |
| GCST90274768 | rs12462111 | T | C | 0.4096 | -0.2797 | 3.22E-118 | 534 |
| GCST90274768 | rs12462324 | A | G | 0.5384 | -0.1916 | 2.52E-62  | 278 |
| GCST90274768 | rs12462337 | A | G | 0.8509 | -0.1501 | 5.57E-20  | 84  |
| GCST90274768 | rs12462882 | A | G | 0.4004 | -0.1531 | 2.80E-37  | 163 |
| GCST90274768 | rs12463194 | A | G | 0.5079 | 0.0726  | 1.45E-09  | 37  |
| GCST90274768 | rs12463212 | A | G | 0.508  | 0.0749  | 4.57E-08  | 30  |
| GCST90274768 | rs12554580 | T | C | 0.6695 | -0.0902 | 1.58E-10  | 41  |

|              |             |   |   |        |         |           |      |
|--------------|-------------|---|---|--------|---------|-----------|------|
| GCST90274768 | rs12608618  | A | G | 0.5062 | 0.1614  | 6.63E-42  | 184  |
| GCST90274768 | rs12608849  | A | G | 0.2828 | -0.108  | 1.83E-17  | 72   |
| GCST90274768 | rs176694    | T | G | 0.8969 | 0.1585  | 1.68E-13  | 54   |
| GCST90274768 | rs17851884  | A | G | 0.1256 | 0.1429  | 8.08E-15  | 60   |
| GCST90274768 | rs1800027   | T | C | 0.0739 | 0.1488  | 9.83E-11  | 42   |
| GCST90274768 | rs181182690 | C | G | 0.9928 | -0.7134 | 1.18E-08  | 33   |
| GCST90274768 | rs181237173 | A | G | 0.007  | 0.9613  | 6.40E-30  | 129  |
| GCST90274768 | rs181514723 | T | C | 0.0088 | 0.7121  | 3.17E-21  | 89   |
| GCST90274768 | rs183796577 | T | G | 0.9832 | 0.3538  | 7.24E-11  | 42   |
| GCST90274768 | rs183853102 | A | T | 0.0577 | -0.1828 | 2.50E-08  | 31   |
| GCST90274768 | rs184969096 | A | C | 0.0521 | 0.2065  | 1.07E-12  | 51   |
| GCST90274768 | rs185052609 | T | C | 0.0245 | -0.4302 | 1.41E-14  | 59   |
| GCST90274768 | rs186059181 | C | G | 0.0036 | 1.1378  | 1.64E-09  | 36   |
| GCST90274768 | rs1862631   | C | G | 0.1773 | -0.2795 | 6.75E-71  | 317  |
| GCST90274768 | rs1864029   | A | G | 0.2605 | -0.184  | 1.58E-43  | 191  |
| GCST90274768 | rs186479868 | A | T | 0.9945 | -0.8689 | 7.16E-16  | 65   |
| GCST90274768 | rs186630069 | C | G | 0.2063 | 0.1157  | 3.97E-14  | 57   |
| GCST90274768 | rs186899144 | A | G | 0.0084 | 0.6437  | 2.91E-20  | 85   |
| GCST90274768 | rs187462044 | T | C | 0.0087 | -0.4601 | 1.81E-09  | 36   |
| GCST90274768 | rs187467027 | C | G | 0.9603 | 0.2794  | 8.19E-18  | 74   |
| GCST90274768 | rs188489515 | A | G | 0.0123 | -0.3634 | 1.59E-08  | 32   |
| GCST90274768 | rs189737503 | T | C | 0.0486 | 0.2199  | 3.30E-13  | 53   |
| GCST90274768 | rs189777886 | T | C | 0.9926 | -0.7674 | 4.48E-11  | 43   |
| GCST90274768 | rs190773702 | A | G | 0.2068 | 0.7228  | 1.00E-200 | 2867 |
| GCST90274768 | rs192458509 | T | C | 0.0083 | 0.5395  | 4.34E-12  | 48   |
| GCST90274768 | rs17160080  | A | G | 0.0689 | -0.1729 | 9.15E-14  | 56   |
| GCST90274768 | rs17160100  | A | T | 0.9786 | 0.3412  | 2.11E-15  | 63   |
| GCST90274768 | rs17160128  | A | G | 0.8231 | 0.2109  | 3.17E-43  | 190  |
| GCST90274768 | rs17160131  | A | C | 0.8929 | -0.7045 | 1.00E-200 | 1389 |
| GCST90274768 | rs17160134  | T | C | 0.1707 | -0.0896 | 9.27E-09  | 33   |
| GCST90274768 | rs17160147  | C | G | 0.3067 | 0.319   | 6.01E-146 | 662  |

|              |            |   |   |        |         |           |     |
|--------------|------------|---|---|--------|---------|-----------|-----|
| GCST90274768 | rs17160149 | A | C | 0.6921 | -0.3205 | 2.65E-147 | 668 |
| GCST90274768 | rs17160196 | T | C | 0.1063 | -0.1112 | 4.01E-09  | 35  |
| GCST90274768 | rs17201258 | T | C | 0.7922 | 0.18    | 2.48E-36  | 158 |
| GCST90274768 | rs17202210 | C | G | 0.7399 | 0.1639  | 2.11E-34  | 150 |
| GCST90274768 | rs17261137 | A | G | 0.7291 | 0.1939  | 4.60E-51  | 226 |
| GCST90274768 | rs17261158 | A | C | 0.7304 | 0.1985  | 1.98E-53  | 237 |
| GCST90274768 | rs17261689 | T | C | 0.8175 | 0.1061  | 2.12E-12  | 49  |
| GCST90274768 | rs17261710 | T | C | 0.8173 | 0.105   | 3.56E-12  | 48  |
| GCST90274768 | rs17296933 | C | G | 0.1284 | 0.143   | 5.53E-15  | 61  |
| GCST90274768 | rs17444755 | A | G | 0.1291 | 0.1233  | 5.65E-12  | 47  |
| GCST90274768 | rs17474001 | T | C | 0.1387 | -0.1966 | 6.63E-24  | 102 |
| GCST90274768 | rs55720021 | T | G | 0.6945 | -0.1206 | 2.01E-17  | 72  |
| GCST90274768 | rs78430926 | A | G | 0.1398 | 0.1867  | 1.04E-23  | 101 |
| GCST90274768 | rs7853989  | C | G | 0.122  | 0.1126  | 4.60E-08  | 30  |
| GCST90274768 | rs7855255  | T | C | 0.1218 | 0.1123  | 4.30E-08  | 30  |
| GCST90274768 | rs7857390  | A | G | 0.3823 | 0.093   | 1.13E-11  | 46  |
| GCST90274768 | rs78627671 | A | G | 0.0726 | 0.1594  | 4.08E-10  | 39  |
| GCST90274768 | rs78705462 | A | G | 0.8001 | 0.1829  | 4.40E-35  | 153 |
| GCST90274768 | rs78706454 | T | C | 0.7681 | 0.2857  | 4.96E-90  | 405 |
| GCST90274768 | rs7873416  | T | C | 0.6454 | -0.0922 | 1.70E-11  | 45  |
| GCST90274768 | rs7873522  | T | C | 0.6453 | -0.0924 | 1.54E-11  | 45  |
| GCST90274768 | rs7873634  | T | C | 0.6457 | -0.0921 | 1.78E-11  | 45  |
| GCST90274768 | rs7873635  | T | C | 0.3806 | 0.0912  | 1.42E-11  | 46  |
| GCST90274768 | rs78755596 | A | T | 0.0354 | -0.25   | 3.36E-10  | 39  |
| GCST90274768 | rs55942656 | T | G | 0.352  | 0.1869  | 2.74E-48  | 213 |
| GCST90274768 | rs55947199 | A | G | 0.2109 | 0.1752  | 2.49E-32  | 140 |
| GCST90274768 | rs55950843 | T | C | 0.7905 | -0.1128 | 1.96E-15  | 63  |
| GCST90274768 | rs55956614 | A | T | 0.0708 | -0.1611 | 4.71E-12  | 48  |
| GCST90274768 | rs559723   | A | G | 0.4659 | 0.0923  | 1.84E-12  | 50  |
| GCST90274768 | rs55975925 | T | C | 0.1983 | -0.0903 | 1.05E-09  | 37  |
| GCST90274768 | rs55991628 | A | G | 0.0711 | -0.1565 | 1.86E-11  | 45  |

|              |            |   |   |        |         |           |     |
|--------------|------------|---|---|--------|---------|-----------|-----|
| GCST90274768 | rs56033061 | T | C | 0.0772 | 0.1517  | 2.60E-10  | 40  |
| GCST90274768 | rs12370160 | A | T | 0.1989 | -0.0811 | 2.78E-08  | 31  |
| GCST90274768 | rs12459760 | A | G | 0.1447 | 0.1919  | 7.00E-30  | 129 |
| GCST90274768 | rs12459838 | A | G | 0.1435 | 0.1962  | 1.64E-31  | 136 |
| GCST90274768 | rs12460243 | A | G | 0.1748 | -0.2096 | 1.02E-42  | 188 |
| GCST90274768 | rs12460295 | T | G | 0.5388 | -0.1919 | 1.63E-62  | 278 |
| GCST90274768 | rs12460378 | T | C | 0.6405 | -0.3602 | 1.42E-171 | 780 |
| GCST90274768 | rs12460380 | T | C | 0.6406 | -0.3593 | 9.99E-171 | 776 |
| GCST90274768 | rs12460513 | T | C | 0.1511 | 0.1507  | 3.96E-20  | 84  |
| GCST90274768 | rs12460535 | A | G | 0.3656 | 0.0891  | 4.36E-13  | 52  |
| GCST90274768 | rs12460591 | A | G | 0.4936 | -0.0731 | 1.12E-09  | 37  |
| GCST90274768 | rs12460597 | A | G | 0.4926 | -0.0725 | 1.53E-09  | 37  |
| GCST90274768 | rs62126087 | A | C | 0.6989 | -0.1173 | 2.55E-20  | 85  |
| GCST90274768 | rs62126390 | A | T | 0.8921 | -0.138  | 8.66E-13  | 51  |
| GCST90274768 | rs62126683 | T | C | 0.2154 | 0.1105  | 1.10E-14  | 60  |
| GCST90274768 | rs62126685 | T | C | 0.2135 | 0.1092  | 2.23E-14  | 58  |
| GCST90274768 | rs62126686 | A | G | 0.2183 | 0.1101  | 8.94E-15  | 60  |
| GCST90274768 | rs62126692 | C | G | 0.7865 | -0.1141 | 2.31E-15  | 63  |
| GCST90274768 | rs62126694 | A | G | 0.7792 | -0.127  | 1.98E-18  | 77  |
| GCST90274768 | rs62126698 | T | C | 0.2102 | 0.1745  | 1.11E-31  | 137 |
| GCST90274768 | rs62126700 | A | G | 0.7878 | -0.1946 | 1.73E-38  | 168 |
| GCST90274768 | rs62130305 | A | T | 0.758  | -0.1328 | 1.06E-17  | 73  |
| GCST90274768 | rs62130306 | T | G | 0.2487 | 0.089   | 1.09E-09  | 37  |
| GCST90274768 | rs62130318 | A | G | 0.3332 | 0.1439  | 1.15E-30  | 133 |
| GCST90274768 | rs62130319 | T | C | 0.3308 | 0.1393  | 4.92E-26  | 111 |
| GCST90274768 | rs62130338 | A | G | 0.7188 | -0.1632 | 1.02E-24  | 105 |
| GCST90274768 | rs62130341 | T | C | 0.1414 | 0.1371  | 3.60E-14  | 57  |
| GCST90274768 | rs35406105 | C | G | 0.9298 | 0.1599  | 1.24E-11  | 46  |
| GCST90274768 | rs56380066 | A | G | 0.7992 | 0.0904  | 5.95E-10  | 38  |
| GCST90274768 | rs56405837 | A | C | 0.9269 | 0.1575  | 9.22E-12  | 46  |
| GCST90274768 | rs35483559 | A | T | 0.9295 | 0.1702  | 2.78E-13  | 53  |

|              |             |   |   |        |         |           |     |
|--------------|-------------|---|---|--------|---------|-----------|-----|
| GCST90274768 | rs35517398  | T | C | 0.0691 | -0.1664 | 9.22E-13  | 51  |
| GCST90274768 | rs35527562  | T | G | 0.1553 | -0.1032 | 2.44E-09  | 36  |
| GCST90274768 | rs113563569 | A | G | 0.1078 | 0.1385  | 7.17E-13  | 51  |
| GCST90274768 | rs113647357 | A | G | 0.9557 | -0.4265 | 5.63E-51  | 226 |
| GCST90274768 | rs8105773   | T | C | 0.9239 | -0.1553 | 7.84E-12  | 47  |
| GCST90274768 | rs8105816   | T | C | 0.5001 | 0.3582  | 1.00E-200 | 970 |
| GCST90274768 | rs8105886   | A | G | 0.0611 | -0.2504 | 2.11E-19  | 81  |
| GCST90274768 | rs8106205   | T | C | 0.5174 | -0.2012 | 1.55E-68  | 306 |
| GCST90274768 | rs8106430   | A | G | 0.164  | 0.1429  | 4.69E-18  | 75  |
| GCST90274768 | rs8106737   | A | G | 0.3741 | -0.275  | 2.41E-114 | 517 |
| GCST90274768 | rs8107185   | T | G | 0.5527 | 0.2352  | 5.75E-93  | 418 |
| GCST90274768 | rs8107967   | A | G | 0.4607 | -0.0745 | 1.02E-09  | 37  |
| GCST90274768 | rs8108136   | T | C | 0.4617 | 0.192   | 1.41E-62  | 279 |
| GCST90274768 | rs8108468   | A | G | 0.4617 | 0.1916  | 2.52E-62  | 278 |
| GCST90274768 | rs8109763   | A | C | 0.4977 | -0.3538 | 1.00E-200 | 963 |
| GCST90274768 | rs8110150   | T | C | 0.2673 | -0.2041 | 3.77E-53  | 235 |
| GCST90274768 | rs8110610   | A | G | 0.1983 | -0.0898 | 1.67E-09  | 36  |
| GCST90274768 | rs8111208   | A | C | 0.539  | -0.1922 | 1.05E-62  | 279 |
| GCST90274768 | rs8111288   | A | G | 0.4613 | 0.1928  | 4.38E-63  | 281 |
| GCST90274768 | rs8111372   | A | G | 0.7139 | 0.11    | 4.66E-18  | 75  |
| GCST90274768 | rs8111399   | T | G | 0.4623 | 0.1916  | 2.52E-62  | 278 |
| GCST90274768 | rs8111500   | A | G | 0.3846 | 0.1399  | 2.00E-32  | 141 |
| GCST90274768 | rs8111874   | A | G | 0.4085 | -0.2796 | 3.90E-118 | 534 |
| GCST90274768 | rs8112016   | T | C | 0.5526 | 0.2363  | 8.05E-94  | 422 |
| GCST90274768 | rs8112595   | A | G | 0.4285 | -0.3206 | 2.62E-165 | 751 |
| GCST90274768 | rs8112983   | T | C | 0.5273 | 0.2658  | 3.42E-118 | 534 |
| GCST90274768 | rs8113458   | T | C | 0.7135 | 0.11    | 4.66E-18  | 75  |
| GCST90274768 | rs8113590   | A | G | 0.1622 | -0.092  | 3.61E-08  | 30  |
| GCST90274768 | rs8176649   | A | G | 0.3805 | 0.0925  | 5.09E-12  | 48  |
| GCST90274768 | rs8176662   | A | G | 0.9038 | -0.1265 | 3.80E-08  | 30  |
| GCST90274768 | rs8176663   | T | C | 0.6397 | 0.1385  | 1.08E-24  | 105 |

|              |             |   |   |        |         |           |      |
|--------------|-------------|---|---|--------|---------|-----------|------|
| GCST90274768 | rs8176668   | A | T | 0.6187 | -0.0916 | 8.15E-12  | 47   |
| GCST90274768 | rs8176671   | A | C | 0.9038 | -0.1268 | 3.53E-08  | 30   |
| GCST90274768 | rs8176681   | T | C | 0.596  | -0.0959 | 5.57E-13  | 52   |
| GCST90274768 | rs8176682   | T | C | 0.3812 | 0.0921  | 6.28E-12  | 47   |
| GCST90274768 | rs8176689   | A | C | 0.592  | -0.095  | 2.40E-10  | 40   |
| GCST90274768 | rs8176690   | A | G | 0.5953 | -0.0964 | 4.23E-13  | 53   |
| GCST90274768 | rs8176691   | T | C | 0.3805 | 0.0924  | 5.37E-12  | 48   |
| GCST90274768 | rs8176702   | A | G | 0.3804 | 0.093   | 3.91E-12  | 48   |
| GCST90274768 | rs8176720   | T | C | 0.6451 | -0.0922 | 1.70E-11  | 45   |
| GCST90274768 | rs8176730   | T | C | 0.8791 | -0.1123 | 5.00E-08  | 30   |
| GCST90274768 | rs8176731   | T | C | 0.6452 | -0.0921 | 1.78E-11  | 45   |
| GCST90274768 | rs8176733   | T | C | 0.8782 | -0.1118 | 4.93E-08  | 30   |
| GCST90274768 | rs8176741   | A | G | 0.098  | 0.1239  | 4.81E-08  | 30   |
| GCST90274768 | rs8176743   | T | C | 0.0979 | 0.1241  | 4.58E-08  | 30   |
| GCST90274768 | rs8176751   | T | C | 0.1222 | 0.1133  | 3.80E-08  | 30   |
| GCST90274768 | rs8176757   | A | C | 0.6694 | -0.0899 | 1.35E-10  | 41   |
| GCST90274768 | rs837629    | C | G | 0.637  | -0.156  | 4.86E-30  | 130  |
| GCST90274768 | rs837717    | T | C | 0.9295 | -0.1681 | 1.40E-10  | 41   |
| GCST90274768 | rs838131    | A | C | 0.4999 | -0.1587 | 8.80E-35  | 151  |
| GCST90274768 | rs838133    | A | G | 0.4029 | -0.2264 | 1.79E-74  | 333  |
| GCST90274768 | rs838134    | A | C | 0.7063 | -0.1976 | 3.25E-49  | 217  |
| GCST90274768 | rs838136    | T | C | 0.6941 | -0.1985 | 4.15E-51  | 226  |
| GCST90274768 | rs192931905 | T | C | 0.9928 | -1.0459 | 8.28E-17  | 69   |
| GCST90274768 | rs2003972   | T | C | 0.1257 | 0.1574  | 3.43E-18  | 76   |
| GCST90274768 | rs2004237   | T | C | 0.7762 | -0.0816 | 1.46E-08  | 32   |
| GCST90274768 | rs2013075   | T | C | 0.0978 | 0.1255  | 4.24E-08  | 30   |
| GCST90274768 | rs201836610 | A | G | 0.9934 | -0.7358 | 2.00E-12  | 49   |
| GCST90274768 | rs2032887   | A | G | 0.7604 | -0.7655 | 1.00E-200 | 3811 |
| GCST90274768 | rs2042918   | C | G | 0.7922 | -0.1744 | 4.73E-32  | 139  |
| GCST90274768 | rs2042920   | A | C | 0.7903 | 0.1783  | 3.67E-36  | 158  |
| GCST90274768 | rs77868586  | T | C | 0.9445 | -0.1558 | 6.12E-09  | 34   |

|              |            |   |   |        |         |           |      |
|--------------|------------|---|---|--------|---------|-----------|------|
| GCST90274768 | rs7788     | T | C | 0.7002 | -0.1134 | 2.08E-16  | 68   |
| GCST90274768 | rs77894142 | A | G | 0.1212 | 0.1668  | 1.95E-19  | 81   |
| GCST90274768 | rs77941029 | T | C | 0.0357 | -0.2419 | 2.17E-10  | 40   |
| GCST90274768 | rs78027839 | T | C | 0.9662 | 0.2834  | 8.87E-11  | 42   |
| GCST90274768 | rs78082749 | T | C | 0.0898 | -0.1277 | 1.71E-09  | 36   |
| GCST90274768 | rs78171400 | T | C | 0.0283 | -0.2949 | 5.36E-14  | 57   |
| GCST90274768 | rs78178437 | T | C | 0.0568 | 0.1477  | 2.81E-08  | 31   |
| GCST90274768 | rs78309858 | C | G | 0.8221 | 0.2015  | 1.31E-39  | 173  |
| GCST90274768 | rs78370138 | C | G | 0.0555 | 0.1541  | 8.92E-09  | 33   |
| GCST90274768 | rs215223   | A | G | 0.4036 | -0.1056 | 1.79E-19  | 81   |
| GCST90274768 | rs215224   | T | C | 0.5953 | 0.108   | 2.69E-20  | 85   |
| GCST90274768 | rs215225   | A | G | 0.5727 | 0.1003  | 5.31E-18  | 75   |
| GCST90274768 | rs215226   | A | G | 0.5936 | 0.1085  | 1.80E-20  | 86   |
| GCST90274768 | rs2251034  | A | G | 0.4699 | -0.3101 | 8.54E-166 | 753  |
| GCST90274768 | rs2279528  | A | G | 0.2502 | -0.2286 | 8.95E-61  | 270  |
| GCST90274768 | rs2287921  | T | C | 0.5275 | 0.265   | 1.71E-117 | 531  |
| GCST90274768 | rs2287922  | A | G | 0.4714 | -0.2648 | 2.55E-117 | 530  |
| GCST90274768 | rs2287936  | A | G | 0.1067 | 0.7276  | 1.00E-200 | 1451 |
| GCST90274768 | rs2287937  | C | G | 0.8276 | 0.2128  | 2.28E-42  | 186  |
| GCST90274768 | rs2302948  | T | C | 0.2493 | 0.0924  | 7.66E-11  | 42   |
| GCST90274768 | rs2303164  | A | G | 0.6431 | -0.361  | 1.00E-200 | 936  |
| GCST90274768 | rs2303165  | T | C | 0.07   | -0.2844 | 1.22E-31  | 137  |
| GCST90274768 | rs78780853 | A | T | 0.9448 | -0.1571 | 5.22E-09  | 34   |
| GCST90274768 | rs78806879 | C | G | 0.8245 | 0.2091  | 1.61E-42  | 187  |
| GCST90274768 | rs78845055 | T | C | 0.2037 | -0.1481 | 2.80E-23  | 99   |
| GCST90274768 | rs78846146 | A | C | 0.8003 | 0.1824  | 2.36E-35  | 154  |
| GCST90274768 | rs78865157 | A | G | 0.0207 | -0.392  | 2.13E-18  | 77   |
| GCST90274768 | rs7899     | A | T | 0.3095 | -0.2437 | 4.17E-76  | 341  |
| GCST90274768 | rs79290210 | T | G | 0.0558 | 0.3977  | 2.11E-47  | 209  |
| GCST90274768 | rs79390987 | T | C | 0.9101 | -0.1753 | 5.33E-14  | 57   |
| GCST90274768 | rs79440648 | C | G | 0.047  | 0.3811  | 3.46E-42  | 185  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274768 | rs79558900  | T | G | 0.2019 | -0.1778 | 5.04E-35 | 152 |
| GCST90274768 | rs79827998  | T | C | 0.0512 | -0.2006 | 1.23E-11 | 46  |
| GCST90274768 | rs79872530  | C | G | 0.7679 | 0.2817  | 2.56E-91 | 411 |
| GCST90274768 | rs56121327  | T | C | 0.91   | 0.1813  | 4.72E-17 | 70  |
| GCST90274768 | rs56145610  | T | C | 0.8902 | 0.1155  | 5.31E-10 | 39  |
| GCST90274768 | rs561517346 | T | C | 0.008  | -0.4751 | 2.62E-09 | 35  |
| GCST90274768 | rs56153262  | T | G | 0.0693 | -0.1622 | 4.16E-12 | 48  |
| GCST90274768 | rs56158821  | T | C | 0.5082 | 0.0715  | 2.55E-09 | 36  |
| GCST90274768 | rs56169127  | C | G | 0.0196 | -0.323  | 1.96E-12 | 50  |
| GCST90274768 | rs56173429  | A | C | 0.2186 | 0.1145  | 2.87E-16 | 67  |
| GCST90274768 | rs56181980  | C | G | 0.2179 | 0.1071  | 6.91E-14 | 56  |
| GCST90274768 | rs56182050  | A | G | 0.2775 | -0.1073 | 1.89E-15 | 63  |
| GCST90274768 | rs56190131  | T | C | 0.9289 | 0.1592  | 5.51E-12 | 47  |
| GCST90274768 | rs56191725  | A | G | 0.2081 | 0.1733  | 1.14E-31 | 137 |
| GCST90274768 | rs56204704  | T | C | 0.0687 | -0.1663 | 9.52E-13 | 51  |
| GCST90274768 | rs56229044  | T | C | 0.2186 | 0.1148  | 2.40E-16 | 67  |
| GCST90274768 | rs56249748  | T | G | 0.79   | -0.1811 | 5.44E-34 | 148 |
| GCST90274768 | rs56275926  | A | G | 0.2161 | 0.1118  | 5.36E-15 | 61  |
| GCST90274768 | rs56279417  | C | G | 0.3726 | -0.0908 | 1.70E-08 | 32  |
| GCST90274768 | rs56299108  | C | G | 0.2855 | -0.1108 | 2.68E-18 | 76  |
| GCST90274768 | rs56307084  | C | G | 0.7801 | -0.1265 | 7.60E-18 | 74  |
| GCST90274768 | rs56315928  | C | G | 0.9292 | 0.1522  | 1.12E-10 | 42  |
| GCST90274768 | rs56319547  | A | C | 0.1976 | -0.0898 | 1.30E-09 | 37  |
| GCST90274768 | rs56333767  | A | G | 0.2035 | -0.089  | 1.09E-09 | 37  |
| GCST90274768 | rs56343119  | A | C | 0.1405 | -0.2036 | 1.61E-25 | 109 |
| GCST90274768 | rs149219271 | T | C | 0.0679 | -0.2133 | 4.29E-18 | 75  |
| GCST90274768 | rs149392122 | A | C | 0.013  | -0.3303 | 6.06E-09 | 34  |
| GCST90274768 | rs149462828 | A | G | 0.0169 | 0.3017  | 7.01E-09 | 34  |
| GCST90274768 | rs150113975 | A | G | 0.0339 | -0.2429 | 1.51E-11 | 46  |
| GCST90274768 | rs150460081 | A | C | 0.927  | 0.222   | 5.25E-14 | 57  |
| GCST90274768 | rs150611206 | A | C | 0.0117 | -0.398  | 1.46E-10 | 41  |

|              |             |   |   |        |         |           |     |
|--------------|-------------|---|---|--------|---------|-----------|-----|
| GCST90274768 | rs150616083 | T | C | 0.0036 | 0.9927  | 4.35E-09  | 34  |
| GCST90274768 | rs150618553 | A | G | 0.9767 | 0.4423  | 5.43E-17  | 70  |
| GCST90274768 | rs1560122   | T | G | 0.0445 | 0.4698  | 5.45E-46  | 203 |
| GCST90274768 | rs1564204   | A | G | 0.7005 | -0.1175 | 4.32E-20  | 84  |
| GCST90274768 | rs1593072   | A | G | 0.4994 | 0.3595  | 1.00E-200 | 960 |
| GCST90274768 | rs4804249   | T | C | 0.2018 | -0.1879 | 2.06E-37  | 163 |
| GCST90274768 | rs4804250   | T | C | 0.2015 | -0.1871 | 4.14E-37  | 162 |
| GCST90274768 | rs4804252   | T | C | 0.4848 | 0.2273  | 4.53E-84  | 377 |
| GCST90274768 | rs4804254   | A | G | 0.6281 | -0.3341 | 2.40E-179 | 815 |
| GCST90274768 | rs4804255   | T | C | 0.2995 | 0.2394  | 2.92E-79  | 355 |
| GCST90274768 | rs4804256   | T | C | 0.1981 | -0.1154 | 1.43E-14  | 59  |
| GCST90274768 | rs4804257   | A | G | 0.372  | 0.3346  | 7.06E-180 | 818 |
| GCST90274768 | rs4804258   | A | G | 0.1931 | -0.0892 | 3.48E-09  | 35  |
| GCST90274768 | rs4804259   | A | C | 0.5513 | 0.2322  | 1.17E-90  | 408 |
| GCST90274768 | rs4804261   | A | G | 0.5535 | 0.2343  | 2.85E-92  | 415 |
| GCST90274768 | rs4804269   | A | T | 0.2996 | 0.1148  | 3.00E-19  | 80  |
| GCST90274768 | rs4804817   | A | G | 0.2483 | 0.0815  | 3.51E-09  | 35  |
| GCST90274768 | rs4804822   | T | C | 0.2646 | 0.1191  | 1.05E-17  | 73  |
| GCST90274768 | rs4804827   | T | C | 0.2095 | 0.113   | 1.75E-15  | 63  |
| GCST90274768 | rs4804828   | T | C | 0.2186 | 0.1151  | 1.23E-16  | 69  |
| GCST90274768 | rs4804835   | A | G | 0.2144 | 0.1887  | 9.31E-37  | 160 |
| GCST90274768 | rs4804837   | T | C | 0.2039 | -0.1497 | 4.75E-24  | 102 |
| GCST90274768 | rs4804838   | A | C | 0.2039 | -0.1501 | 3.60E-24  | 103 |
| GCST90274768 | rs484353    | A | G | 0.549  | -0.0797 | 9.63E-12  | 46  |
| GCST90274768 | rs485073    | A | G | 0.5286 | 0.3098  | 1.77E-165 | 752 |
| GCST90274768 | rs485186    | A | G | 0.5272 | 0.3083  | 6.72E-164 | 744 |
| GCST90274768 | rs491626    | T | C | 0.3603 | -0.1386 | 9.96E-25  | 105 |
| GCST90274768 | rs3745387   | A | G | 0.4796 | 0.3055  | 8.67E-148 | 670 |
| GCST90274768 | rs3745388   | A | G | 0.7245 | 0.1696  | 3.04E-37  | 163 |
| GCST90274768 | rs3745389   | T | C | 0.9293 | 0.1614  | 5.29E-12  | 48  |
| GCST90274768 | rs3745390   | A | G | 0.0707 | -0.1612 | 5.62E-12  | 47  |

|              |            |   |   |        |         |           |     |
|--------------|------------|---|---|--------|---------|-----------|-----|
| GCST90274768 | rs3745393  | T | C | 0.5532 | 0.2357  | 2.35E-93  | 420 |
| GCST90274768 | rs3745394  | A | G | 0.5528 | 0.2358  | 1.97E-93  | 420 |
| GCST90274768 | rs3745395  | T | C | 0.5528 | 0.2356  | 2.81E-93  | 420 |
| GCST90274768 | rs3745706  | T | C | 0.3398 | 0.0872  | 6.23E-10  | 38  |
| GCST90274768 | rs3745707  | A | G | 0.0898 | 0.1688  | 1.33E-13  | 55  |
| GCST90274768 | rs3745710  | T | C | 0.0942 | 0.1568  | 2.04E-12  | 49  |
| GCST90274768 | rs374886   | A | G | 0.3685 | -0.2414 | 3.86E-87  | 392 |
| GCST90274768 | rs3758348  | C | G | 0.1416 | -0.2014 | 5.25E-25  | 107 |
| GCST90274768 | rs12979847 | T | C | 0.7185 | 0.1918  | 2.91E-49  | 218 |
| GCST90274768 | rs67021766 | T | C | 0.1364 | -0.1247 | 3.29E-11  | 44  |
| GCST90274768 | rs67061735 | C | G | 0.7132 | 0.1094  | 7.04E-18  | 74  |
| GCST90274768 | rs674302   | A | T | 0.3603 | -0.1383 | 1.25E-24  | 105 |
| GCST90274768 | rs67515376 | A | G | 0.8404 | -0.1202 | 3.22E-13  | 53  |
| GCST90274768 | rs676388   | T | C | 0.529  | 0.2986  | 3.19E-151 | 686 |
| GCST90274768 | rs676457   | A | T | 0.6398 | 0.1397  | 4.27E-25  | 107 |
| GCST90274768 | rs67681054 | C | G | 0.8424 | -0.1282 | 1.63E-14  | 59  |
| GCST90274768 | rs67733887 | C | G | 0.9289 | 0.1591  | 8.59E-12  | 47  |
| GCST90274768 | rs677355   | A | G | 0.3602 | -0.1394 | 5.38E-25  | 107 |
| GCST90274768 | rs67824186 | A | G | 0.6211 | -0.1887 | 4.04E-53  | 235 |
| GCST90274768 | rs838137   | A | T | 0.3981 | 0.1723  | 6.29E-42  | 184 |
| GCST90274768 | rs838140   | T | C | 0.2783 | 0.179   | 1.66E-42  | 187 |
| GCST90274768 | rs838141   | A | T | 0.7236 | -0.179  | 3.13E-31  | 135 |
| GCST90274768 | rs838142   | A | G | 0.7021 | -0.187  | 2.45E-48  | 213 |
| GCST90274768 | rs838143   | A | G | 0.098  | 0.1506  | 8.96E-14  | 56  |
| GCST90274768 | rs838144   | T | C | 0.5535 | 0.2434  | 9.43E-98  | 440 |
| GCST90274768 | rs838145   | A | G | 0.6017 | 0.2758  | 7.87E-119 | 537 |
| GCST90274768 | rs838146   | T | C | 0.5553 | 0.2396  | 1.26E-80  | 362 |
| GCST90274768 | rs2046921  | C | G | 0.2076 | 0.1747  | 3.72E-32  | 139 |
| GCST90274768 | rs2061776  | T | C | 0.1597 | 0.1238  | 1.72E-13  | 54  |
| GCST90274768 | rs2073824  | A | G | 0.6446 | -0.0911 | 2.94E-11  | 44  |
| GCST90274768 | rs2073826  | T | G | 0.4037 | 0.0961  | 4.99E-13  | 52  |

|              |            |   |   |        |         |           |      |
|--------------|------------|---|---|--------|---------|-----------|------|
| GCST90274768 | rs2073827  | C | G | 0.4036 | 0.0957  | 6.22E-13  | 52   |
| GCST90274768 | rs2073828  | A | G | 0.4033 | 0.0957  | 6.22E-13  | 52   |
| GCST90274768 | rs2081165  | A | G | 0.4997 | 0.3537  | 1.00E-200 | 946  |
| GCST90274768 | rs2081172  | C | G | 0.6722 | -0.3919 | 1.00E-200 | 1015 |
| GCST90274768 | rs2081194  | C | G | 0.6348 | 0.226   | 1.03E-65  | 293  |
| GCST90274768 | rs2098709  | A | G | 0.6072 | -0.2086 | 1.64E-64  | 288  |
| GCST90274768 | rs952444   | A | G | 0.4985 | -0.3508 | 1.00E-200 | 947  |
| GCST90274768 | rs9654     | T | G | 0.7356 | -0.0915 | 1.17E-10  | 42   |
| GCST90274768 | rs9676352  | A | G | 0.2037 | -0.1501 | 3.60E-24  | 103  |
| GCST90274768 | rs9676369  | C | G | 0.2038 | -0.1499 | 4.13E-24  | 103  |
| GCST90274768 | rs9676701  | T | C | 0.7252 | 0.1692  | 4.47E-37  | 162  |
| GCST90274768 | rs9676755  | A | G | 0.2785 | 0.1594  | 1.25E-32  | 142  |
| GCST90274768 | rs9677009  | T | C | 0.2031 | -0.1494 | 5.84E-24  | 102  |
| GCST90274768 | rs973579   | A | G | 0.5542 | 0.2446  | 2.17E-100 | 452  |
| GCST90274768 | rs9749209  | A | G | 0.3263 | -0.2161 | 9.42E-54  | 238  |
| GCST90274768 | rs12052147 | A | G | 0.569  | -0.07   | 3.55E-08  | 30   |
| GCST90274768 | rs12104255 | A | C | 0.6984 | -0.1112 | 2.02E-18  | 77   |
| GCST90274768 | rs12150963 | C | G | 0.1367 | 0.1848  | 1.84E-28  | 122  |
| GCST90274768 | rs12151028 | C | G | 0.8636 | -0.1862 | 1.51E-28  | 123  |
| GCST90274768 | rs12216891 | T | C | 0.094  | 0.1306  | 2.08E-08  | 31   |
| GCST90274768 | rs12216896 | T | C | 0.0671 | -0.1795 | 6.03E-10  | 38   |
| GCST90274768 | rs1231281  | A | G | 0.446  | -0.2448 | 1.50E-100 | 453  |
| GCST90274768 | rs1231282  | T | C | 0.0714 | 0.1556  | 1.08E-11  | 46   |
| GCST90274768 | rs12318530 | A | G | 0.1725 | -0.1014 | 6.07E-11  | 43   |
| GCST90274768 | rs12327653 | T | C | 0.7115 | -0.1305 | 9.99E-23  | 96   |
| GCST90274768 | rs1236093  | T | C | 0.3703 | -0.2304 | 2.73E-78  | 351  |
| GCST90274768 | rs12368376 | C | G | 0.8265 | 0.1241  | 1.79E-15  | 63   |
| GCST90274768 | rs12370101 | T | C | 0.0447 | -0.1758 | 3.23E-08  | 31   |
| GCST90274768 | rs62125153 | A | G | 0.2113 | 0.1093  | 2.12E-14  | 58   |
| GCST90274768 | rs62125154 | T | C | 0.2155 | 0.1129  | 2.90E-15  | 62   |
| GCST90274768 | rs62125156 | A | C | 0.786  | -0.1132 | 2.45E-15  | 63   |

|              |             |   |   |        |         |           |     |
|--------------|-------------|---|---|--------|---------|-----------|-----|
| GCST90274768 | rs62125157  | T | C | 0.0469 | -0.187  | 9.68E-09  | 33  |
| GCST90274768 | rs62125920  | A | G | 0.7983 | 0.0901  | 6.78E-10  | 38  |
| GCST90274768 | rs62126075  | T | C | 0.8741 | -0.2101 | 6.14E-34  | 147 |
| GCST90274768 | rs62126077  | T | C | 0.8698 | -0.195  | 4.02E-30  | 130 |
| GCST90274768 | rs62126079  | T | G | 0.87   | -0.1954 | 1.41E-30  | 132 |
| GCST90274768 | rs62126082  | T | C | 0.0965 | 0.393   | 2.49E-90  | 406 |
| GCST90274768 | rs62126084  | A | T | 0.1669 | -0.1775 | 5.37E-30  | 129 |
| GCST90274768 | rs62126086  | T | C | 0.2989 | 0.1153  | 2.10E-19  | 81  |
| GCST90274768 | rs35050633  | T | C | 0.0692 | -0.1689 | 4.20E-13  | 53  |
| GCST90274768 | rs35065193  | A | G | 0.9277 | 0.1584  | 7.03E-12  | 47  |
| GCST90274768 | rs35076940  | T | C | 0.2701 | -0.1962 | 3.07E-52  | 231 |
| GCST90274768 | rs35106244  | T | C | 0.4156 | -0.3275 | 2.47E-161 | 733 |
| GCST90274768 | rs35176839  | A | G | 0.9312 | 0.1676  | 5.04E-13  | 52  |
| GCST90274768 | rs35202360  | A | G | 0.0913 | 0.352   | 4.64E-63  | 281 |
| GCST90274768 | rs35227991  | T | G | 0.0712 | -0.1558 | 1.53E-11  | 45  |
| GCST90274768 | rs35228311  | A | G | 0.8769 | -0.1523 | 4.14E-15  | 62  |
| GCST90274768 | rs35256012  | A | C | 0.9286 | 0.1625  | 2.00E-12  | 49  |
| GCST90274768 | rs35277583  | A | G | 0.6237 | 0.2681  | 2.07E-97  | 439 |
| GCST90274768 | rs35301114  | T | G | 0.3022 | -0.0792 | 3.80E-08  | 30  |
| GCST90274768 | rs35333961  | A | G | 0.3056 | -0.078  | 4.91E-08  | 30  |
| GCST90274768 | rs35336100  | A | G | 0.0687 | -0.1685 | 4.77E-13  | 52  |
| GCST90274768 | rs35393359  | T | C | 0.1721 | -0.1188 | 1.53E-12  | 50  |
| GCST90274768 | rs113075345 | T | C | 0.0252 | 0.7329  | 3.51E-79  | 355 |
| GCST90274768 | rs113100512 | T | G | 0.0433 | 0.428   | 2.72E-50  | 222 |
| GCST90274768 | rs1132054   | T | C | 0.5189 | -0.145  | 1.29E-33  | 146 |
| GCST90274768 | rs113239052 | T | C | 0.3021 | 0.1123  | 9.36E-19  | 78  |
| GCST90274768 | rs56756480  | T | C | 0.8737 | -0.2118 | 1.84E-34  | 150 |
| GCST90274768 | rs569175    | T | G | 0.4504 | 0.0816  | 3.07E-12  | 49  |
| GCST90274768 | rs56921504  | A | G | 0.7136 | 0.1098  | 5.35E-18  | 75  |
| GCST90274768 | rs569453243 | A | G | 0.0071 | 0.8283  | 3.84E-17  | 71  |
| GCST90274768 | rs569970    | T | C | 0.5251 | 0.3021  | 2.76E-121 | 548 |

|              |             |   |   |        |         |           |      |
|--------------|-------------|---|---|--------|---------|-----------|------|
| GCST90274768 | rs57009784  | A | C | 0.8681 | -0.7689 | 1.00E-200 | 2172 |
| GCST90274768 | rs570794    | T | C | 0.5293 | 0.309   | 1.23E-164 | 748  |
| GCST90274768 | rs571689    | T | C | 0.4708 | -0.3096 | 2.88E-165 | 751  |
| GCST90274768 | rs57227654  | T | C | 0.8701 | -0.1962 | 1.79E-30  | 132  |
| GCST90274768 | rs572638711 | A | T | 0.0752 | 0.4258  | 1.35E-62  | 279  |
| GCST90274768 | rs57295329  | T | C | 0.504  | 0.3609  | 6.67E-175 | 795  |
| GCST90274768 | rs576123    | T | C | 0.6459 | 0.1343  | 1.14E-19  | 82   |
| GCST90274768 | rs57893495  | C | G | 0.843  | -0.1292 | 1.02E-14  | 60   |
| GCST90274768 | rs57940795  | A | C | 0.857  | -0.1942 | 6.87E-30  | 129  |
| GCST90274768 | rs579459    | T | C | 0.7901 | 0.2217  | 3.45E-44  | 194  |
| GCST90274768 | rs58009080  | C | G | 0.0782 | -0.1333 | 3.62E-08  | 30   |
| GCST90274768 | rs58091556  | A | G | 0.1741 | 0.524   | 1.00E-200 | 1100 |
| GCST90274768 | rs580984    | A | G | 0.6435 | -0.0832 | 2.81E-11  | 44   |
| GCST90274768 | rs581107    | T | C | 0.5583 | -0.0812 | 5.70E-10  | 38   |
| GCST90274768 | rs58150062  | A | G | 0.3217 | 0.1239  | 4.94E-19  | 79   |
| GCST90274768 | rs582118    | A | G | 0.6408 | 0.14    | 3.38E-25  | 108  |
| GCST90274768 | rs58264284  | A | G | 0.8457 | 0.2653  | 7.35E-59  | 262  |
| GCST90274768 | rs584768    | A | G | 0.4697 | -0.2984 | 5.06E-151 | 685  |
| GCST90274768 | rs58739675  | T | C | 0.8499 | -0.1083 | 1.47E-10  | 41   |
| GCST90274768 | rs58830419  | A | G | 0.4852 | 0.224   | 1.06E-81  | 367  |
| GCST90274768 | rs58935689  | A | G | 0.1465 | 0.1839  | 7.89E-26  | 110  |
| GCST90274768 | rs590394    | T | C | 0.5497 | -0.0816 | 3.07E-12  | 49   |
| GCST90274768 | rs59201833  | A | G | 0.2272 | 0.0819  | 1.02E-08  | 33   |
| GCST90274768 | rs59530021  | A | G | 0.8168 | -0.1134 | 2.55E-13  | 54   |
| GCST90274768 | rs492488    | A | G | 0.3605 | -0.1384 | 1.16E-24  | 105  |
| GCST90274768 | rs492602    | A | G | 0.5555 | 0.3274  | 2.19E-181 | 825  |
| GCST90274768 | rs493246    | A | G | 0.3605 | -0.138  | 1.58E-24  | 104  |
| GCST90274768 | rs494242    | T | C | 0.3834 | -0.1293 | 2.43E-22  | 95   |
| GCST90274768 | rs495203    | T | C | 0.3603 | -0.1384 | 1.16E-24  | 105  |
| GCST90274768 | rs495828    | T | G | 0.2102 | -0.219  | 3.68E-43  | 190  |
| GCST90274768 | rs4962040   | A | G | 0.6199 | -0.0908 | 1.74E-11  | 45   |

|              |             |   |   |        |         |           |     |
|--------------|-------------|---|---|--------|---------|-----------|-----|
| GCST90274768 | rs4962153   | A | G | 0.1411 | -0.1629 | 1.00E-17  | 74  |
| GCST90274768 | rs4980823   | T | C | 0.7436 | 0.1137  | 6.26E-17  | 70  |
| GCST90274768 | rs4980824   | T | C | 0.5724 | 0.1104  | 3.88E-21  | 89  |
| GCST90274768 | rs4980826   | A | C | 0.3978 | -0.1114 | 3.70E-21  | 89  |
| GCST90274768 | rs499765    | C | G | 0.6406 | -0.1541 | 2.36E-29  | 127 |
| GCST90274768 | rs500498    | T | C | 0.4437 | 0.0807  | 9.74E-10  | 37  |
| GCST90274768 | rs503279    | T | C | 0.529  | 0.3092  | 7.60E-165 | 749 |
| GCST90274768 | rs504215    | T | G | 0.384  | 0.1326  | 9.03E-23  | 96  |
| GCST90274768 | rs504963    | A | G | 0.4704 | -0.3087 | 2.55E-164 | 746 |
| GCST90274768 | rs505922    | T | C | 0.6407 | 0.1406  | 2.12E-25  | 108 |
| GCST90274768 | rs507666    | A | G | 0.187  | -0.2459 | 1.20E-49  | 219 |
| GCST90274768 | rs507711    | T | C | 0.4693 | -0.3092 | 7.60E-165 | 749 |
| GCST90274768 | rs507766    | T | C | 0.5307 | 0.3097  | 2.26E-165 | 751 |
| GCST90274768 | rs507855    | A | G | 0.5304 | 0.3098  | 1.77E-165 | 752 |
| GCST90274768 | rs516246    | T | C | 0.4444 | -0.3278 | 7.98E-182 | 827 |
| GCST90274768 | rs519757    | A | C | 0.4479 | 0.2451  | 5.81E-77  | 345 |
| GCST90274768 | rs520802    | A | C | 0.4585 | 0.0802  | 4.72E-12  | 48  |
| GCST90274768 | rs529565    | T | C | 0.6407 | 0.1405  | 2.29E-25  | 108 |
| GCST90274768 | rs529971117 | A | C | 0.0061 | 0.8578  | 3.17E-15  | 62  |
| GCST90274768 | rs532436    | A | G | 0.1875 | -0.2467 | 5.86E-50  | 221 |
| GCST90274768 | rs538190019 | C | G | 0.0435 | 0.4202  | 7.69E-41  | 179 |
| GCST90274768 | rs540896476 | A | G | 0.0058 | 0.8396  | 1.06E-11  | 46  |
| GCST90274768 | rs542315937 | A | C | 0.0763 | 0.1571  | 1.31E-09  | 37  |
| GCST90274768 | rs543040    | A | T | 0.6418 | 0.1323  | 2.26E-19  | 81  |
| GCST90274768 | rs838147    | A | G | 0.4468 | -0.2454 | 4.92E-101 | 455 |
| GCST90274768 | rs838148    | A | G | 0.0959 | 0.1565  | 1.26E-14  | 59  |
| GCST90274768 | rs882951    | A | C | 0.5025 | 0.355   | 1.00E-200 | 970 |
| GCST90274768 | rs889316    | A | G | 0.4955 | -0.2406 | 6.73E-91  | 409 |
| GCST90274768 | rs918638    | A | T | 0.8467 | 0.2616  | 5.80E-58  | 258 |
| GCST90274768 | rs9329377   | A | G | 0.5065 | 0.0707  | 3.82E-09  | 35  |
| GCST90274768 | rs9411365   | C | G | 0.892  | -0.1204 | 3.85E-08  | 30  |

|              |             |   |   |        |         |           |      |
|--------------|-------------|---|---|--------|---------|-----------|------|
| GCST90274768 | rs9411378   | A | C | 0.2692 | -0.2058 | 5.87E-44  | 193  |
| GCST90274768 | rs9411464   | T | C | 0.0971 | 0.1266  | 3.71E-08  | 30   |
| GCST90274768 | rs9411492   | T | C | 0.7278 | -0.0951 | 1.74E-10  | 41   |
| GCST90274768 | rs55658083  | T | C | 0.0605 | -0.1585 | 7.27E-09  | 33   |
| GCST90274768 | rs55692556  | T | C | 0.2121 | 0.1115  | 9.71E-15  | 60   |
| GCST90274768 | rs55696539  | A | G | 0.0708 | -0.1605 | 5.64E-12  | 47   |
| GCST90274768 | rs111346862 | T | C | 0.8362 | -0.7967 | 1.00E-200 | 2898 |
| GCST90274768 | rs111515364 | A | G | 0.0769 | 0.1678  | 9.30E-13  | 51   |
| GCST90274768 | rs111705940 | T | C | 0.8708 | -0.7864 | 1.00E-200 | 1867 |
| GCST90274768 | rs111746847 | T | C | 0.0442 | 0.4246  | 1.54E-50  | 224  |
| GCST90274768 | rs111777172 | C | G | 0.2279 | 0.1069  | 1.46E-14  | 59   |
| GCST90274768 | rs111825581 | T | C | 0.164  | 0.796   | 1.00E-200 | 2893 |
| GCST90274768 | rs111852936 | T | C | 0.1812 | -0.1056 | 3.72E-12  | 48   |
| GCST90274768 | rs111953330 | A | G | 0.1573 | 0.1305  | 5.52E-15  | 61   |
| GCST90274768 | rs112034838 | A | G | 0.0115 | 0.379   | 3.18E-09  | 35   |
| GCST90274768 | rs112071796 | A | C | 0.9558 | -0.4218 | 1.46E-49  | 219  |
| GCST90274768 | rs112147548 | T | C | 0.1067 | 0.1408  | 3.94E-13  | 53   |
| GCST90274768 | rs112186433 | A | G | 0.0251 | 0.7525  | 6.49E-81  | 363  |
| GCST90274768 | rs112209114 | A | G | 0.2275 | 0.1265  | 7.60E-18  | 74   |
| GCST90274768 | rs112261547 | A | G | 0.1994 | -0.1129 | 3.53E-14  | 57   |
| GCST90274768 | rs112365422 | A | G | 0.2186 | 0.1152  | 1.15E-16  | 69   |
| GCST90274768 | rs11244025  | T | C | 0.3065 | -0.0785 | 4.03E-08  | 30   |
| GCST90274768 | rs11244034  | T | C | 0.1937 | 0.0945  | 1.86E-08  | 32   |
| GCST90274768 | rs11244035  | T | C | 0.0968 | -0.147  | 1.97E-10  | 40   |
| GCST90274768 | rs11244037  | T | C | 0.2077 | -0.1054 | 7.10E-10  | 38   |
| GCST90274768 | rs11244049  | T | C | 0.904  | -0.1289 | 2.40E-08  | 31   |
| GCST90274768 | rs11244051  | A | G | 0.028  | -0.2774 | 3.87E-09  | 35   |
| GCST90274768 | rs11244061  | T | C | 0.11   | -0.2149 | 8.47E-25  | 106  |
| GCST90274768 | rs11244084  | T | C | 0.0694 | -0.1809 | 2.92E-11  | 44   |
| GCST90274768 | rs112459760 | A | C | 0.1821 | -0.1059 | 3.24E-12  | 49   |
| GCST90274768 | rs112479210 | T | C | 0.0439 | 0.4301  | 1.85E-51  | 228  |

|              |             |   |   |        |         |           |     |
|--------------|-------------|---|---|--------|---------|-----------|-----|
| GCST90274768 | rs112484205 | T | G | 0.133  | 0.1936  | 2.27E-25  | 108 |
| GCST90274768 | rs112507167 | T | C | 0.373  | 0.3329  | 4.48E-178 | 810 |
| GCST90274768 | rs112552841 | A | G | 0.5063 | 0.0724  | 3.26E-08  | 31  |
| GCST90274768 | rs112557324 | T | G | 0.157  | 0.1289  | 1.18E-14  | 60  |
| GCST90274768 | rs112560582 | A | G | 0.0269 | 0.366   | 5.51E-17  | 70  |
| GCST90274768 | rs11260033  | T | C | 0.5626 | -0.0694 | 1.28E-08  | 32  |
| GCST90274768 | rs11260040  | A | G | 0.7419 | 0.2307  | 2.12E-67  | 301 |
| GCST90274768 | rs11260041  | A | G | 0.7479 | 0.2335  | 3.19E-64  | 286 |
| GCST90274768 | rs11260044  | T | G | 0.5005 | 0.3619  | 2.65E-184 | 838 |
| GCST90274768 | rs11260048  | A | G | 0.4536 | 0.3403  | 3.58E-189 | 861 |
| GCST90274768 | rs11260049  | A | C | 0.4552 | 0.3506  | 1.00E-200 | 929 |
| GCST90274768 | rs11260050  | A | G | 0.4514 | -0.2002 | 1.46E-64  | 288 |
| GCST90274768 | rs11260057  | A | G | 0.1103 | -0.1144 | 7.72E-10  | 38  |
| GCST90274768 | rs11260062  | A | C | 0.652  | -0.0738 | 1.97E-09  | 36  |
| GCST90274768 | rs11260063  | C | G | 0.6599 | -0.08   | 2.16E-10  | 40  |
| GCST90274768 | rs112716951 | T | C | 0.2265 | -0.0913 | 2.41E-09  | 36  |
| GCST90274768 | rs112779148 | T | G | 0.0762 | 0.4337  | 9.56E-86  | 385 |
| GCST90274768 | rs113040275 | T | C | 0.9497 | -0.1483 | 3.14E-08  | 31  |
| GCST90274768 | rs113040517 | C | G | 0.7027 | -0.1614 | 4.36E-25  | 107 |
| GCST90274768 | rs148682330 | T | C | 0.9784 | 0.349   | 6.55E-16  | 65  |
| GCST90274768 | rs73009364  | A | G | 0.8735 | 0.1631  | 1.29E-19  | 82  |
| GCST90274768 | rs7301029   | A | G | 0.5583 | 0.1114  | 1.71E-21  | 91  |
| GCST90274768 | rs7301965   | T | C | 0.2823 | 0.0758  | 1.97E-08  | 32  |
| GCST90274768 | rs73055560  | A | G | 0.6651 | -0.1442 | 9.65E-32  | 137 |
| GCST90274768 | rs7306778   | T | C | 0.1755 | -0.1175 | 7.21E-14  | 56  |
| GCST90274768 | rs7306988   | A | G | 0.1745 | -0.1195 | 3.93E-14  | 57  |
| GCST90274768 | rs7311655   | T | G | 0.4972 | -0.0739 | 1.31E-10  | 41  |
| GCST90274768 | rs1002066   | A | G | 0.792  | 0.1515  | 3.16E-25  | 108 |
| GCST90274768 | rs1004873   | A | G | 0.7261 | -0.0897 | 2.17E-11  | 45  |
| GCST90274768 | rs10401186  | A | G | 0.1309 | 0.1261  | 1.40E-12  | 50  |
| GCST90274768 | rs10401347  | A | G | 0.5493 | 0.0767  | 1.70E-08  | 32  |

|              |            |   |   |        |         |           |     |
|--------------|------------|---|---|--------|---------|-----------|-----|
| GCST90274768 | rs10403298 | T | C | 0.7901 | -0.0909 | 1.06E-09  | 37  |
| GCST90274768 | rs10404241 | A | G | 0.0499 | 0.375   | 9.34E-42  | 183 |
| GCST90274768 | rs10405419 | A | G | 0.5059 | 0.0715  | 2.55E-09  | 36  |
| GCST90274768 | rs10405582 | A | G | 0.5031 | -0.36   | 1.00E-200 | 947 |
| GCST90274768 | rs10405588 | A | G | 0.5031 | -0.361  | 1.00E-200 | 952 |
| GCST90274768 | rs10406511 | A | G | 0.5077 | -0.3643 | 9.95E-187 | 849 |
| GCST90274768 | rs10406540 | A | G | 0.5029 | -0.3594 | 1.00E-200 | 944 |
| GCST90274768 | rs10406623 | T | C | 0.4476 | -0.2353 | 4.81E-93  | 419 |
| GCST90274768 | rs10407495 | T | C | 0.1015 | 0.1227  | 3.66E-09  | 35  |
| GCST90274768 | rs10410524 | A | G | 0.3699 | 0.1292  | 1.14E-24  | 105 |
| GCST90274768 | rs10411185 | A | G | 0.4971 | 0.3598  | 1.00E-200 | 946 |
| GCST90274768 | rs10412111 | A | G | 0.3348 | 0.144   | 1.17E-31  | 137 |
| GCST90274768 | rs10413018 | A | G | 0.4166 | -0.3157 | 4.62E-150 | 681 |
| GCST90274768 | rs10414330 | T | G | 0.8826 | -0.1539 | 2.70E-16  | 67  |
| GCST90274768 | rs10414562 | A | G | 0.8762 | -0.1593 | 2.08E-18  | 77  |
| GCST90274768 | rs10414737 | T | C | 0.8427 | -0.1186 | 6.58E-13  | 52  |
| GCST90274768 | rs10414791 | T | C | 0.1238 | 0.1584  | 3.22E-18  | 76  |
| GCST90274768 | rs10414887 | A | G | 0.1235 | 0.1591  | 2.30E-18  | 76  |
| GCST90274768 | rs10415215 | A | G | 0.8763 | -0.1593 | 2.08E-18  | 77  |
| GCST90274768 | rs10415594 | A | G | 0.1238 | 0.1586  | 2.93E-18  | 76  |
| GCST90274768 | rs10416205 | T | C | 0.5521 | 0.2367  | 5.25E-91  | 409 |
| GCST90274768 | rs597974   | A | G | 0.6458 | 0.1346  | 9.49E-20  | 83  |
| GCST90274768 | rs597988   | A | T | 0.3586 | -0.1389 | 1.73E-24  | 104 |
| GCST90274768 | rs59926280 | A | G | 0.0881 | 0.127   | 4.84E-09  | 34  |
| GCST90274768 | rs600038   | T | C | 0.7901 | 0.2197  | 2.00E-43  | 191 |
| GCST90274768 | rs60011251 | T | C | 0.1279 | 0.1763  | 3.98E-23  | 98  |
| GCST90274768 | rs601338   | A | G | 0.4447 | -0.3278 | 7.98E-182 | 827 |
| GCST90274768 | rs602662   | A | G | 0.4715 | -0.3086 | 3.25E-164 | 746 |
| GCST90274768 | rs603985   | T | C | 0.5286 | 0.3093  | 5.96E-165 | 749 |
| GCST90274768 | rs604740   | T | C | 0.6228 | -0.1418 | 1.88E-25  | 109 |
| GCST90274768 | rs60484807 | A | G | 0.6701 | -0.091  | 1.09E-10  | 42  |

|              |             |   |   |        |         |           |      |
|--------------|-------------|---|---|--------|---------|-----------|------|
| GCST90274768 | rs604938    | T | C | 0.5499 | -0.0811 | 4.16E-12  | 48   |
| GCST90274768 | rs60510913  | C | G | 0.869  | -0.097  | 4.25E-08  | 30   |
| GCST90274768 | rs60686256  | A | G | 0.1424 | 0.1936  | 1.03E-29  | 128  |
| GCST90274768 | rs60717664  | T | G | 0.4913 | -0.3547 | 4.00E-177 | 805  |
| GCST90274768 | rs60941879  | T | C | 0.1092 | 0.6958  | 1.00E-200 | 1370 |
| GCST90274768 | rs612169    | A | G | 0.6401 | 0.1386  | 9.96E-25  | 105  |
| GCST90274768 | rs613534    | A | G | 0.6215 | 0.1321  | 6.32E-23  | 97   |
| GCST90274768 | rs616154    | T | C | 0.5341 | -0.0935 | 9.51E-13  | 51   |
| GCST90274768 | rs61729621  | A | G | 0.0442 | 0.4265  | 1.24E-50  | 224  |
| GCST90274768 | rs61744943  | A | G | 0.1035 | 0.3726  | 1.40E-80  | 361  |
| GCST90274768 | rs61748787  | A | G | 0.0738 | 0.1617  | 1.09E-11  | 46   |
| GCST90274768 | rs62123114  | C | G | 0.0215 | -0.3483 | 5.50E-16  | 66   |
| GCST90274768 | rs62123117  | T | C | 0.9846 | -0.6485 | 1.35E-22  | 96   |
| GCST90274768 | rs62123121  | A | G | 0.0216 | -0.3409 | 1.92E-15  | 63   |
| GCST90274768 | rs62123122  | T | C | 0.0685 | -0.167  | 7.64E-13  | 51   |
| GCST90274768 | rs62123124  | A | G | 0.0159 | 0.6697  | 6.82E-25  | 106  |
| GCST90274768 | rs62123127  | A | C | 0.0163 | 0.6111  | 4.08E-21  | 89   |
| GCST90274768 | rs62123129  | A | C | 0.7306 | 0.1976  | 5.81E-53  | 235  |
| GCST90274768 | rs62123130  | A | G | 0.0112 | 0.8058  | 1.12E-08  | 33   |
| GCST90274768 | rs62123152  | A | G | 0.0219 | -0.3464 | 2.63E-16  | 67   |
| GCST90274768 | rs62123156  | A | G | 0.9316 | 0.1674  | 1.05E-12  | 51   |
| GCST90274768 | rs543968    | T | C | 0.6208 | 0.1302  | 2.57E-22  | 94   |
| GCST90274768 | rs544873    | A | G | 0.3828 | -0.1299 | 1.56E-22  | 95   |
| GCST90274768 | rs545364    | C | G | 0.345  | 0.3512  | 1.82E-176 | 802  |
| GCST90274768 | rs545971    | T | C | 0.3599 | -0.1379 | 1.70E-24  | 104  |
| GCST90274768 | rs546308    | A | G | 0.5517 | -0.2462 | 1.23E-77  | 348  |
| GCST90274768 | rs549735081 | T | C | 0.9355 | -0.4672 | 1.67E-62  | 278  |
| GCST90274768 | rs550057    | T | C | 0.2671 | -0.2152 | 3.58E-49  | 217  |
| GCST90274768 | rs550455    | T | C | 0.6966 | -0.1234 | 1.11E-21  | 92   |
| GCST90274768 | rs551813738 | A | G | 0.0059 | 0.839   | 8.36E-12  | 47   |
| GCST90274768 | rs554833    | T | C | 0.3606 | -0.1388 | 8.54E-25  | 106  |

|              |            |   |   |        |         |           |      |
|--------------|------------|---|---|--------|---------|-----------|------|
| GCST90274768 | rs62123357 | T | G | 0.4618 | 0.0874  | 5.91E-12  | 47   |
| GCST90274768 | rs62124519 | T | G | 0.4941 | -0.0724 | 1.61E-09  | 36   |
| GCST90274768 | rs62124520 | A | G | 0.506  | 0.0719  | 2.08E-09  | 36   |
| GCST90274768 | rs62124660 | A | G | 0.1695 | 0.5228  | 1.00E-200 | 1081 |
| GCST90274768 | rs62124687 | T | C | 0.1356 | -0.2678 | 4.60E-50  | 221  |
| GCST90274768 | rs62124688 | A | G | 0.8223 | -0.7591 | 1.00E-200 | 2741 |
| GCST90274768 | rs62124690 | T | C | 0.9122 | -0.8125 | 1.00E-200 | 1511 |
| GCST90274768 | rs62124693 | A | C | 0.0315 | -0.2416 | 7.41E-11  | 42   |
| GCST90274768 | rs62124694 | A | C | 0.8619 | -0.7506 | 1.00E-200 | 2121 |
| GCST90274768 | rs62124697 | A | G | 0.0308 | -0.234  | 6.65E-10  | 38   |
| GCST90274768 | rs62124727 | A | T | 0.3117 | 0.2061  | 3.79E-51  | 226  |
| GCST90274768 | rs62124731 | T | C | 0.7384 | -0.27   | 2.20E-94  | 425  |
| GCST90274768 | rs62124733 | T | G | 0.1206 | -0.1483 | 2.76E-13  | 53   |
| GCST90274768 | rs62124735 | C | G | 0.8833 | 0.1382  | 4.29E-14  | 57   |
| GCST90274768 | rs62125110 | T | G | 0.7797 | -0.1228 | 1.49E-17  | 73   |
| GCST90274768 | rs62125112 | A | G | 0.2085 | 0.112   | 4.80E-15  | 61   |
| GCST90274768 | rs62125113 | T | G | 0.7894 | -0.1137 | 1.18E-15  | 64   |
| GCST90274768 | rs62125114 | A | G | 0.7901 | -0.1125 | 2.33E-15  | 63   |
| GCST90274768 | rs62125116 | C | G | 0.21   | 0.113   | 1.11E-15  | 64   |
| GCST90274768 | rs62125117 | T | C | 0.209  | 0.1121  | 1.86E-15  | 63   |
| GCST90274768 | rs62125145 | A | C | 0.7908 | -0.1131 | 1.05E-15  | 64   |
| GCST90274768 | rs62125146 | T | G | 0.7814 | -0.1155 | 1.58E-16  | 68   |
| GCST90274768 | rs62125151 | A | G | 0.9846 | 0.3748  | 1.45E-11  | 46   |
| GCST90274768 | rs34733885 | T | C | 0.0689 | -0.1661 | 1.26E-12  | 50   |
| GCST90274768 | rs34746239 | T | C | 0.342  | 0.0809  | 1.36E-10  | 41   |
| GCST90274768 | rs34752535 | A | G | 0.0713 | -0.1597 | 4.73E-12  | 48   |
| GCST90274768 | rs34859576 | A | G | 0.0684 | -0.1658 | 1.11E-12  | 51   |
| GCST90274768 | rs34866300 | A | G | 0.9316 | 0.1677  | 9.60E-13  | 51   |
| GCST90274768 | rs34918448 | T | C | 0.425  | -0.3273 | 8.40E-164 | 744  |
| GCST90274768 | rs34939237 | A | G | 0.0687 | -0.1662 | 7.85E-13  | 51   |
| GCST90274768 | rs34995875 | A | C | 0.0871 | 0.1287  | 3.56E-09  | 35   |

|              |             |   |   |        |         |           |      |
|--------------|-------------|---|---|--------|---------|-----------|------|
| GCST90274768 | rs35001394  | A | G | 0.0686 | -0.1757 | 1.96E-13  | 54   |
| GCST90274768 | rs35021560  | A | G | 0.0879 | 0.1272  | 4.58E-09  | 34   |
| GCST90274768 | rs35025963  | T | C | 0.2993 | 0.1135  | 7.50E-19  | 79   |
| GCST90274768 | rs146185765 | A | G | 0.018  | 0.6116  | 8.33E-31  | 133  |
| GCST90274768 | rs146421472 | A | G | 0.868  | -0.7667 | 1.00E-200 | 2159 |
| GCST90274768 | rs146778221 | T | C | 0.0872 | -0.1262 | 2.22E-09  | 36   |
| GCST90274768 | rs147119993 | A | G | 0.1914 | -0.1612 | 1.33E-26  | 114  |
| GCST90274768 | rs147164700 | A | G | 0.0099 | 0.4747  | 4.23E-09  | 35   |
| GCST90274768 | rs147278971 | T | C | 0.9656 | 0.2184  | 3.77E-08  | 30   |
| GCST90274768 | rs147502330 | A | G | 0.2016 | -0.1803 | 5.74E-36  | 157  |
| GCST90274768 | rs148153878 | A | C | 0.0089 | 0.7214  | 1.01E-12  | 51   |
| GCST90274768 | rs148298016 | A | G | 0.0068 | 0.9011  | 6.50E-26  | 111  |
| GCST90274768 | rs148365994 | A | G | 0.2001 | -0.1883 | 1.45E-37  | 164  |
| GCST90274768 | rs148410847 | A | G | 0.0558 | 0.1572  | 4.47E-09  | 34   |
| GCST90274768 | rs148523554 | T | C | 0.9269 | 0.1586  | 2.64E-10  | 40   |
| GCST90274768 | rs148534664 | T | C | 0.7997 | 0.1844  | 1.24E-35  | 155  |
| GCST90274768 | rs281378    | A | G | 0.3878 | 0.2278  | 1.97E-84  | 379  |
| GCST90274768 | rs281379    | A | G | 0.4607 | -0.2977 | 2.53E-150 | 682  |
| GCST90274768 | rs281380    | T | C | 0.5879 | -0.2335 | 4.09E-90  | 405  |
| GCST90274768 | rs281381    | T | C | 0.6188 | -0.205  | 1.67E-66  | 297  |
| GCST90274768 | rs281382    | A | G | 0.8448 | -0.1469 | 4.69E-17  | 70   |
| GCST90274768 | rs113348389 | T | C | 0.9728 | -0.7068 | 1.28E-77  | 348  |
| GCST90274768 | rs113408786 | A | G | 0.024  | 0.2454  | 6.58E-09  | 34   |
| GCST90274768 | rs113431404 | A | C | 0.9727 | -0.6811 | 2.46E-73  | 328  |
| GCST90274768 | rs8105661   | A | G | 0.2014 | -0.1787 | 6.72E-35  | 152  |
| GCST90274768 | rs8105684   | A | G | 0.448  | -0.2348 | 1.17E-92  | 417  |
| GCST90274768 | rs281388    | T | G | 0.0722 | 0.1593  | 3.49E-12  | 48   |
| GCST90274768 | rs281391    | T | C | 0.2457 | 0.1576  | 1.27E-28  | 123  |
| GCST90274768 | rs281392    | A | G | 0.3608 | 0.1916  | 3.21E-52  | 231  |
| GCST90274768 | rs281393    | T | C | 0.3842 | 0.2002  | 1.46E-64  | 288  |
| GCST90274768 | rs281398    | T | C | 0.1539 | 0.1267  | 2.30E-14  | 58   |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274768 | rs281401   | T | G | 0.8388 | -0.1259 | 7.75E-15 | 60  |
| GCST90274768 | rs281402   | T | C | 0.1602 | 0.1223  | 1.24E-13 | 55  |
| GCST90274768 | rs281404   | A | G | 0.8405 | -0.1201 | 3.37E-13 | 53  |
| GCST90274768 | rs281406   | T | C | 0.9285 | -0.1568 | 6.10E-12 | 47  |
| GCST90274768 | rs281407   | A | G | 0.3351 | 0.1742  | 3.83E-44 | 194 |
| GCST90274768 | rs281408   | A | C | 0.4583 | 0.2097  | 2.73E-74 | 333 |
| GCST90274768 | rs281409   | T | C | 0.9275 | -0.153  | 1.94E-11 | 45  |
| GCST90274768 | rs28362812 | A | G | 0.1556 | 0.1248  | 1.10E-13 | 55  |
| GCST90274768 | rs28362819 | T | C | 0.048  | -0.2173 | 1.86E-10 | 41  |
| GCST90274768 | rs28362834 | C | G | 0.9032 | -0.1446 | 1.74E-12 | 50  |
| GCST90274768 | rs28400012 | T | C | 0.2047 | 0.165   | 1.29E-29 | 128 |
| GCST90274768 | rs28400015 | A | G | 0.4617 | 0.1912  | 4.88E-61 | 272 |
| GCST90274768 | rs28405088 | C | G | 0.6615 | -0.0863 | 9.32E-10 | 37  |
| GCST90274768 | rs28421148 | A | G | 0.8243 | 0.2053  | 1.52E-40 | 178 |
| GCST90274768 | rs28421958 | T | C | 0.0667 | -0.1749 | 6.13E-13 | 52  |
| GCST90274768 | rs28446901 | C | G | 0.8137 | 0.1163  | 1.04E-10 | 42  |
| GCST90274768 | rs28491041 | A | C | 0.4992 | 0.0852  | 3.29E-13 | 53  |
| GCST90274768 | rs28507801 | A | G | 0.4995 | -0.0811 | 4.16E-12 | 48  |
| GCST90274768 | rs10416347 | C | G | 0.6106 | 0.2222  | 2.57E-75 | 337 |
| GCST90274768 | rs10416482 | C | G | 0.1231 | 0.1584  | 4.90E-18 | 75  |
| GCST90274768 | rs10416763 | T | C | 0.4529 | 0.0917  | 7.78E-15 | 60  |
| GCST90274768 | rs10417167 | T | C | 0.8759 | -0.1586 | 2.93E-18 | 76  |
| GCST90274768 | rs75558026 | A | T | 0.6974 | 0.0786  | 4.81E-08 | 30  |
| GCST90274768 | rs75562158 | T | C | 0.2441 | -0.2749 | 1.47E-89 | 403 |
| GCST90274768 | rs75603868 | T | C | 0.0154 | 0.7237  | 3.07E-40 | 176 |
| GCST90274768 | rs75618953 | T | C | 0.2124 | -0.1717 | 2.38E-32 | 140 |
| GCST90274768 | rs75650622 | A | G | 0.0045 | 0.8728  | 5.28E-09 | 34  |
| GCST90274768 | rs75686816 | A | G | 0.1301 | 0.1024  | 8.78E-09 | 33  |
| GCST90274768 | rs75744398 | T | G | 0.9654 | 0.2982  | 3.43E-11 | 44  |
| GCST90274768 | rs75800049 | A | C | 0.2006 | -0.1927 | 2.26E-36 | 159 |
| GCST90274768 | rs75822423 | T | C | 0.8116 | 0.1407  | 3.71E-20 | 85  |

|              |             |   |   |        |         |           |     |
|--------------|-------------|---|---|--------|---------|-----------|-----|
| GCST90274768 | rs75878619  | A | C | 0.1085 | 0.1209  | 1.80E-09  | 36  |
| GCST90274768 | rs12979891  | T | C | 0.4725 | -0.2669 | 3.72E-119 | 539 |
| GCST90274768 | rs12979921  | A | G | 0.93   | 0.1714  | 1.49E-13  | 55  |
| GCST90274768 | rs12980113  | T | C | 0.4363 | 0.0668  | 1.98E-08  | 32  |
| GCST90274768 | rs12980528  | A | G | 0.7281 | 0.2077  | 3.47E-54  | 240 |
| GCST90274768 | rs12980552  | A | G | 0.5017 | 0.3506  | 1.00E-200 | 946 |
| GCST90274768 | rs12980612  | A | G | 0.9289 | 0.162   | 4.54E-11  | 43  |
| GCST90274768 | rs12980734  | T | C | 0.0686 | -0.1654 | 1.26E-12  | 50  |
| GCST90274768 | rs12980910  | T | C | 0.0692 | -0.1699 | 3.85E-13  | 53  |
| GCST90274768 | rs12980938  | T | C | 0.0693 | -0.1652 | 1.67E-12  | 50  |
| GCST90274768 | rs12981502  | A | G | 0.0697 | -0.1663 | 1.19E-12  | 51  |
| GCST90274768 | rs12981571  | T | C | 0.109  | -0.1153 | 5.69E-10  | 38  |
| GCST90274768 | rs12982115  | A | G | 0.5383 | -0.1925 | 7.60E-62  | 275 |
| GCST90274768 | rs12982225  | A | C | 0.0685 | -0.1738 | 8.70E-14  | 56  |
| GCST90274768 | rs12983784  | T | C | 0.7355 | 0.2262  | 7.95E-66  | 294 |
| GCST90274768 | rs12984035  | T | C | 0.1202 | 0.1677  | 1.25E-19  | 82  |
| GCST90274768 | rs12984331  | T | C | 0.3723 | 0.3339  | 3.91E-179 | 814 |
| GCST90274768 | rs12984484  | A | G | 0.4481 | -0.2355 | 3.36E-93  | 419 |
| GCST90274768 | rs62123157  | T | G | 0.2732 | -0.2041 | 6.25E-54  | 239 |
| GCST90274768 | rs62123266  | A | G | 0.0998 | 0.3807  | 3.32E-83  | 373 |
| GCST90274768 | rs62123267  | A | G | 0.0346 | -0.2354 | 5.08E-12  | 48  |
| GCST90274768 | rs62123269  | T | C | 0.1129 | 0.2138  | 3.52E-27  | 117 |
| GCST90274768 | rs62123270  | A | G | 0.9856 | -0.4187 | 6.06E-11  | 43  |
| GCST90274768 | rs62123271  | T | G | 0.1154 | 0.1997  | 7.51E-25  | 106 |
| GCST90274768 | rs62123284  | A | G | 0.7889 | -0.0914 | 3.84E-10  | 39  |
| GCST90274768 | rs62123354  | A | G | 0.5356 | -0.0881 | 4.00E-12  | 48  |
| GCST90274768 | rs62123355  | A | C | 0.5433 | -0.0857 | 3.23E-12  | 49  |
| GCST90274768 | rs62123356  | T | C | 0.5398 | -0.0882 | 2.56E-12  | 49  |
| GCST90274768 | rs139414038 | T | C | 0.0224 | -0.4236 | 1.49E-16  | 68  |
| GCST90274768 | rs139483901 | T | C | 0.0696 | 0.158   | 1.19E-11  | 46  |
| GCST90274768 | rs139625465 | T | G | 0.0053 | 0.7388  | 4.28E-09  | 34  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274768 | rs139812525 | C | G | 0.7968 | 0.1849  | 9.31E-37 | 160 |
| GCST90274768 | rs140028746 | T | C | 0.0158 | 0.5229  | 5.51E-26 | 111 |
| GCST90274768 | rs140118562 | A | G | 0.0419 | -0.2864 | 9.61E-19 | 78  |
| GCST90274768 | rs140711666 | A | G | 0.0703 | 0.1508  | 2.18E-09 | 36  |
| GCST90274768 | rs140843708 | A | G | 0.0159 | 0.54    | 5.01E-28 | 120 |
| GCST90274768 | rs140872186 | T | C | 0.1256 | 0.2299  | 7.99E-36 | 156 |
| GCST90274768 | rs140914890 | A | G | 0.0703 | 0.1363  | 3.42E-08 | 30  |
| GCST90274768 | rs141083325 | A | G | 0.0081 | 0.842   | 3.85E-16 | 66  |
| GCST90274768 | rs141140761 | A | G | 0.0854 | 0.1852  | 1.53E-14 | 59  |
| GCST90274768 | rs141300344 | A | G | 0.0077 | 0.8018  | 3.98E-17 | 71  |
| GCST90274768 | rs141358765 | A | G | 0.0372 | 0.2166  | 6.98E-09 | 34  |
| GCST90274768 | rs141584017 | A | C | 0.2011 | -0.1888 | 2.86E-37 | 163 |
| GCST90274768 | rs141895007 | T | C | 0.0121 | 0.4101  | 3.86E-08 | 30  |
| GCST90274768 | rs142312167 | A | C | 0.791  | -0.1567 | 1.09E-20 | 87  |
| GCST90274768 | rs142384812 | A | G | 0.229  | -0.082  | 4.59E-08 | 30  |
| GCST90274768 | rs142682195 | A | G | 0.007  | 0.7207  | 1.73E-10 | 41  |
| GCST90274768 | rs142737073 | T | C | 0.2131 | -0.1756 | 9.42E-30 | 128 |
| GCST90274768 | rs143059942 | T | C | 0.9422 | -0.1842 | 4.37E-12 | 48  |
| GCST90274768 | rs143262415 | A | G | 0.2027 | -0.1862 | 9.05E-37 | 160 |
| GCST90274768 | rs143507031 | A | G | 0.0162 | 0.4513  | 2.29E-11 | 45  |
| GCST90274768 | rs143729607 | A | G | 0.0739 | 0.1559  | 1.49E-11 | 46  |
| GCST90274768 | rs143904904 | A | G | 0.9734 | -0.8533 | 1.57E-84 | 380 |
| GCST90274768 | rs143926151 | T | C | 0.9882 | 0.3949  | 1.55E-10 | 41  |
| GCST90274768 | rs14394     | A | G | 0.7193 | 0.1946  | 3.37E-52 | 231 |
| GCST90274768 | rs144755455 | A | G | 0.0486 | 0.2183  | 4.88E-13 | 52  |
| GCST90274768 | rs144875688 | A | G | 0.2024 | -0.1502 | 6.74E-24 | 102 |
| GCST90274768 | rs145509783 | T | C | 0.9945 | -0.7965 | 2.13E-10 | 40  |
| GCST90274768 | rs145540217 | A | G | 0.9089 | -0.1694 | 5.66E-13 | 52  |
| GCST90274768 | rs145891183 | C | G | 0.8017 | 0.189   | 2.11E-36 | 159 |
| GCST90274768 | rs145932639 | T | C | 0.0705 | -0.1594 | 6.46E-11 | 43  |
| GCST90274768 | rs146052929 | T | C | 0.9709 | -0.2545 | 2.12E-11 | 45  |

|              |            |   |   |        |         |           |     |
|--------------|------------|---|---|--------|---------|-----------|-----|
| GCST90274768 | rs2548458  | T | C | 0.4713 | -0.3052 | 4.05E-138 | 626 |
| GCST90274768 | rs2548459  | T | C | 0.5276 | 0.3073  | 4.83E-160 | 727 |
| GCST90274768 | rs2548957  | A | G | 0.4739 | 0.119   | 1.73E-21  | 91  |
| GCST90274768 | rs2617800  | T | G | 0.046  | -0.2168 | 1.40E-09  | 37  |
| GCST90274768 | rs2617801  | C | G | 0.3691 | -0.2421 | 3.02E-86  | 387 |
| GCST90274768 | rs2617802  | T | G | 0.7442 | -0.1109 | 5.73E-16  | 66  |
| GCST90274768 | rs2638280  | A | G | 0.4702 | -0.3032 | 5.72E-130 | 588 |
| GCST90274768 | rs2638281  | A | G | 0.4518 | 0.2763  | 3.04E-100 | 452 |
| GCST90274768 | rs2638282  | A | G | 0.4699 | -0.2974 | 5.03E-150 | 681 |
| GCST90274768 | rs2665581  | T | C | 0.0999 | 0.1205  | 4.15E-09  | 35  |
| GCST90274768 | rs2665584  | A | G | 0.8995 | -0.1126 | 1.80E-08  | 32  |
| GCST90274768 | rs2769071  | A | G | 0.6392 | 0.1387  | 9.22E-25  | 106 |
| GCST90274768 | rs281377   | T | C | 0.4827 | 0.2823  | 4.56E-133 | 603 |
| GCST90274768 | rs73008878 | T | C | 0.0712 | -0.1606 | 3.59E-12  | 48  |
| GCST90274768 | rs73008891 | A | G | 0.9305 | 0.1665  | 3.25E-12  | 49  |
| GCST90274768 | rs4802506  | T | C | 0.7986 | 0.0901  | 6.78E-10  | 38  |
| GCST90274768 | rs4802507  | T | G | 0.7979 | 0.0896  | 8.41E-10  | 38  |
| GCST90274768 | rs4804056  | A | G | 0.4684 | 0.3365  | 1.71E-191 | 871 |
| GCST90274768 | rs4804057  | A | G | 0.7304 | 0.1951  | 1.12E-51  | 229 |
| GCST90274768 | rs4804058  | T | C | 0.1777 | -0.28   | 3.82E-71  | 318 |
| GCST90274768 | rs4804059  | A | C | 0.1331 | 0.1972  | 1.84E-31  | 136 |
| GCST90274768 | rs4804061  | T | C | 0.8409 | 0.1028  | 1.01E-10  | 42  |
| GCST90274768 | rs4804064  | A | G | 0.2993 | 0.116   | 1.27E-19  | 82  |
| GCST90274768 | rs4804240  | A | G | 0.2725 | -0.1707 | 3.60E-37  | 162 |
| GCST90274768 | rs4804241  | A | C | 0.2026 | -0.1497 | 9.47E-24  | 101 |
| GCST90274768 | rs4804242  | A | G | 0.7259 | 0.1703  | 5.27E-37  | 162 |
| GCST90274768 | rs4804243  | A | C | 0.2071 | -0.1502 | 3.36E-24  | 103 |
| GCST90274768 | rs4804244  | T | G | 0.2783 | -0.1974 | 1.17E-53  | 238 |
| GCST90274768 | rs4804247  | C | G | 0.9928 | -0.9118 | 5.29E-15  | 61  |
| GCST90274768 | rs1052517  | A | G | 0.1939 | 0.0961  | 1.06E-08  | 33  |
| GCST90274768 | rs10735031 | A | G | 0.411  | -0.1117 | 1.33E-21  | 91  |

|              |             |   |   |        |         |           |      |
|--------------|-------------|---|---|--------|---------|-----------|------|
| GCST90274768 | rs10744648  | A | G | 0.4877 | -0.0741 | 1.17E-10  | 42   |
| GCST90274768 | rs10751502  | A | G | 0.6697 | -0.0895 | 2.19E-10  | 40   |
| GCST90274768 | rs77280459  | T | C | 0.4929 | -0.162  | 3.97E-35  | 153  |
| GCST90274768 | rs77312432  | T | C | 0.2087 | -0.18   | 2.48E-36  | 158  |
| GCST90274768 | rs77384136  | A | G | 0.0753 | 0.4222  | 1.21E-80  | 362  |
| GCST90274768 | rs77436248  | A | G | 0.0286 | -0.3369 | 6.18E-12  | 47   |
| GCST90274768 | rs77436451  | A | G | 0.9443 | -0.1528 | 1.34E-08  | 32   |
| GCST90274768 | rs77625270  | T | C | 0.0692 | 0.4124  | 2.75E-71  | 319  |
| GCST90274768 | rs77693339  | T | C | 0.9036 | -0.1271 | 2.85E-08  | 31   |
| GCST90274768 | rs77815058  | T | C | 0.2002 | -0.1812 | 7.80E-36  | 156  |
| GCST90274768 | rs11063111  | A | G | 0.4702 | 0.0814  | 2.26E-12  | 49   |
| GCST90274768 | rs11063273  | A | G | 0.7046 | 0.09    | 1.37E-12  | 50   |
| GCST90274768 | rs11063275  | T | C | 0.8009 | 0.0803  | 3.80E-08  | 30   |
| GCST90274768 | rs11083948  | A | G | 0.5384 | -0.1915 | 2.92E-62  | 277  |
| GCST90274768 | rs111067251 | C | G | 0.2859 | -0.1103 | 3.79E-18  | 75   |
| GCST90274768 | rs28525575  | T | G | 0.5207 | -0.1693 | 1.75E-44  | 196  |
| GCST90274768 | rs28538967  | C | G | 0.097  | -0.209  | 4.20E-19  | 80   |
| GCST90274768 | rs28546420  | A | G | 0.7936 | -0.0978 | 3.29E-08  | 31   |
| GCST90274768 | rs28567372  | T | G | 0.6265 | -0.1341 | 6.19E-23  | 97   |
| GCST90274768 | rs28602591  | T | C | 0.0965 | -0.198  | 1.93E-17  | 72   |
| GCST90274768 | rs28602660  | A | G | 0.0935 | -0.1748 | 2.06E-13  | 54   |
| GCST90274768 | rs28619893  | T | C | 0.429  | -0.1515 | 8.28E-34  | 147  |
| GCST90274768 | rs28645493  | C | G | 0.9091 | 0.1937  | 6.98E-16  | 65   |
| GCST90274768 | rs28657412  | T | C | 0.5593 | 0.2479  | 7.60E-105 | 473  |
| GCST90274768 | rs28658542  | A | C | 0.0962 | -0.1949 | 1.10E-16  | 69   |
| GCST90274768 | rs28745907  | T | G | 0.8091 | -0.1649 | 8.35E-26  | 110  |
| GCST90274768 | rs28745909  | A | T | 0.8281 | -0.153  | 8.29E-18  | 74   |
| GCST90274768 | rs28746168  | C | G | 0.8451 | -0.1273 | 3.53E-14  | 57   |
| GCST90274768 | rs2878518   | T | C | 0.5638 | -0.067  | 3.07E-08  | 31   |
| GCST90274768 | rs759817    | T | C | 0.3275 | 0.3919  | 1.00E-200 | 1015 |
| GCST90274768 | rs76002157  | T | G | 0.9455 | -0.277  | 9.36E-26  | 110  |

|              |             |   |   |        |         |           |     |
|--------------|-------------|---|---|--------|---------|-----------|-----|
| GCST90274768 | rs76061678  | A | T | 0.1878 | -0.1417 | 2.02E-20  | 86  |
| GCST90274768 | rs76123860  | C | G | 0.3033 | -0.079  | 4.11E-08  | 30  |
| GCST90274768 | rs76238963  | A | C | 0.8999 | 0.1939  | 3.44E-17  | 71  |
| GCST90274768 | rs76261579  | A | G | 0.0753 | 0.4201  | 7.31E-80  | 358 |
| GCST90274768 | rs76486281  | T | C | 0.1743 | -0.2094 | 4.15E-42  | 185 |
| GCST90274768 | rs76662422  | A | C | 0.0541 | -0.2873 | 1.22E-18  | 78  |
| GCST90274768 | rs1052131   | T | C | 0.1491 | 0.1498  | 6.59E-20  | 83  |
| GCST90274768 | rs2335800   | T | G | 0.565  | -0.0661 | 4.69E-08  | 30  |
| GCST90274768 | rs2336091   | T | G | 0.729  | 0.1959  | 4.38E-52  | 231 |
| GCST90274768 | rs2336092   | A | C | 0.2969 | 0.24    | 1.94E-78  | 352 |
| GCST90274768 | rs2336537   | A | G | 0.503  | 0.0856  | 3.23E-11  | 44  |
| GCST90274768 | rs2353015   | C | G | 0.8727 | -0.1461 | 1.42E-15  | 64  |
| GCST90274768 | rs2353017   | T | G | 0.4851 | -0.1928 | 4.38E-63  | 281 |
| GCST90274768 | rs2387343   | A | C | 0.4307 | -0.1011 | 6.07E-16  | 65  |
| GCST90274768 | rs2431141   | A | G | 0.1089 | 0.1128  | 2.00E-08  | 31  |
| GCST90274768 | rs2452170   | A | G | 0.469  | -0.2986 | 3.19E-151 | 686 |
| GCST90274768 | rs2519093   | T | C | 0.1879 | -0.2465 | 7.02E-50  | 221 |
| GCST90274768 | rs2544783   | A | T | 0.8994 | -0.1153 | 1.35E-08  | 32  |
| GCST90274768 | rs2548457   | T | C | 0.8836 | -0.1575 | 7.86E-17  | 69  |
| GCST90274768 | rs72992137  | T | C | 0.9774 | 0.3007  | 9.19E-12  | 46  |
| GCST90274768 | rs72992199  | T | C | 0.2184 | 0.1154  | 1.68E-16  | 68  |
| GCST90274768 | rs72993911  | T | C | 0.5456 | 0.3051  | 6.66E-150 | 680 |
| GCST90274768 | rs72995492  | A | T | 0.0243 | 0.2394  | 1.20E-08  | 32  |
| GCST90274768 | rs72997867  | A | G | 0.0209 | -0.3213 | 8.31E-13  | 51  |
| GCST90274768 | rs111163868 | T | G | 0.2131 | 0.1215  | 6.38E-14  | 56  |
| GCST90274768 | rs111281472 | A | G | 0.1754 | -0.2094 | 1.23E-42  | 187 |
| GCST90274768 | rs111299903 | T | C | 0.139  | 0.1886  | 1.13E-27  | 119 |
| GCST90274768 | rs111311275 | A | G | 0.862  | -0.1878 | 7.25E-27  | 115 |
| GCST90274768 | rs111332402 | A | C | 0.9565 | -0.4254 | 3.26E-44  | 195 |
| GCST90274768 | rs11881574  | A | G | 0.1993 | -0.1838 | 2.06E-35  | 154 |
| GCST90274768 | rs11881643  | T | C | 0.1998 | -0.1829 | 4.40E-35  | 153 |

|              |             |   |   |        |         |           |      |
|--------------|-------------|---|---|--------|---------|-----------|------|
| GCST90274768 | rs11881750  | T | C | 0.7267 | 0.2036  | 1.12E-53  | 238  |
| GCST90274768 | rs11882242  | C | G | 0.2735 | -0.2057 | 3.32E-48  | 213  |
| GCST90274768 | rs11882325  | A | G | 0.2017 | -0.1797 | 2.85E-35  | 154  |
| GCST90274768 | rs11883400  | T | C | 0.1997 | -0.1816 | 4.65E-35  | 153  |
| GCST90274768 | rs1204494   | T | C | 0.1658 | 0.5014  | 1.00E-200 | 1033 |
| GCST90274768 | rs12052128  | A | G | 0.3117 | -0.1933 | 1.68E-46  | 205  |
| GCST90274768 | rs34557377  | A | G | 0.6276 | -0.3336 | 8.12E-179 | 813  |
| GCST90274768 | rs34557917  | A | C | 0.9804 | 0.3932  | 3.34E-18  | 76   |
| GCST90274768 | rs34574397  | A | G | 0.0721 | -0.16   | 6.56E-12  | 47   |
| GCST90274768 | rs34588550  | A | G | 0.751  | 0.2321  | 1.78E-63  | 283  |
| GCST90274768 | rs2303166   | A | G | 0.1351 | 0.7786  | 1.00E-200 | 2200 |
| GCST90274768 | rs2303168   | T | C | 0.556  | 0.2317  | 7.68E-86  | 386  |
| GCST90274768 | rs2303169   | T | C | 0.4444 | -0.2299 | 1.53E-84  | 380  |
| GCST90274768 | rs2303700   | T | C | 0.3386 | -0.1008 | 1.42E-14  | 59   |
| GCST90274768 | rs2307018   | A | C | 0.4617 | 0.1927  | 5.07E-63  | 281  |
| GCST90274768 | rs2307019   | A | G | 0.4622 | 0.1928  | 4.38E-63  | 281  |
| GCST90274768 | rs3136647   | A | G | 0.1703 | 0.7681  | 1.00E-200 | 2730 |
| GCST90274768 | rs3136652   | T | C | 0.8282 | 0.2825  | 1.70E-71  | 320  |
| GCST90274768 | rs11794634  | T | C | 0.6738 | 0.0809  | 3.73E-08  | 30   |
| GCST90274768 | rs118047385 | A | G | 0.0156 | -0.3441 | 2.36E-11  | 45   |
| GCST90274768 | rs118048213 | C | G | 0.0311 | -0.2198 | 1.24E-08  | 32   |
| GCST90274768 | rs118101126 | A | G | 0.0293 | 0.2696  | 4.91E-13  | 52   |
| GCST90274768 | rs11830324  | A | T | 0.1745 | -0.1211 | 2.61E-14  | 58   |
| GCST90274768 | rs11834532  | T | C | 0.8353 | 0.116   | 1.48E-13  | 55   |
| GCST90274768 | rs11878235  | A | G | 0.5576 | 0.1214  | 1.24E-22  | 96   |
| GCST90274768 | rs11878283  | T | C | 0.2695 | -0.1983 | 2.52E-53  | 236  |
| GCST90274768 | rs11878573  | T | C | 0.4754 | 0.3361  | 9.04E-188 | 854  |
| GCST90274768 | rs11878908  | T | C | 0.4728 | -0.2666 | 6.82E-119 | 537  |
| GCST90274768 | rs11879018  | C | G | 0.73   | 0.2048  | 1.68E-53  | 237  |
| GCST90274768 | rs11879028  | A | G | 0.7255 | 0.2017  | 1.72E-53  | 237  |
| GCST90274768 | rs11879604  | T | C | 0.1996 | -0.1854 | 5.31E-36  | 157  |

|              |            |   |   |        |         |           |      |
|--------------|------------|---|---|--------|---------|-----------|------|
| GCST90274768 | rs11880048 | A | G | 0.7319 | 0.2026  | 2.13E-52  | 232  |
| GCST90274768 | rs11880220 | A | G | 0.7301 | 0.1966  | 1.91E-52  | 232  |
| GCST90274768 | rs72997873 | A | G | 0.2541 | -0.2238 | 1.61E-57  | 256  |
| GCST90274768 | rs72999708 | C | G | 0.1674 | 0.513   | 1.00E-200 | 1054 |
| GCST90274768 | rs73001774 | T | C | 0.1828 | -0.11   | 3.22E-13  | 53   |
| GCST90274768 | rs73003698 | A | G | 0.6439 | 0.1956  | 8.86E-59  | 261  |
| GCST90274768 | rs73003701 | C | G | 0.8156 | 0.1054  | 2.95E-12  | 49   |
| GCST90274768 | rs73005512 | C | G | 0.2701 | -0.1754 | 6.98E-41  | 179  |
| GCST90274768 | rs73005538 | A | G | 0.0231 | 0.5555  | 9.23E-36  | 156  |
| GCST90274768 | rs73005543 | T | C | 0.9901 | -0.7787 | 2.71E-26  | 113  |
| GCST90274768 | rs8103218  | T | C | 0.5095 | 0.1659  | 3.55E-47  | 208  |
| GCST90274768 | rs8103758  | T | C | 0.3749 | -0.2769 | 8.25E-118 | 532  |
| GCST90274768 | rs8103840  | T | C | 0.495  | 0.2254  | 1.03E-78  | 353  |
| GCST90274768 | rs8104066  | T | C | 0.5528 | 0.2351  | 6.87E-93  | 418  |
| GCST90274768 | rs8104354  | T | C | 0.2849 | -0.1116 | 1.53E-18  | 77   |
| GCST90274768 | rs8104453  | A | G | 0.2938 | -0.114  | 1.80E-18  | 77   |
| GCST90274768 | rs281383   | T | C | 0.856  | -0.1463 | 1.94E-18  | 77   |
| GCST90274768 | rs281384   | A | G | 0.0721 | 0.159   | 3.83E-12  | 48   |
| GCST90274768 | rs281385   | A | G | 0.1415 | 0.1475  | 1.64E-18  | 77   |
| GCST90274768 | rs281386   | A | G | 0.6179 | -0.2065 | 1.87E-67  | 301  |
| GCST90274768 | rs281387   | T | C | 0.0727 | 0.1573  | 6.47E-12  | 47   |
| GCST90274768 | rs3094379  | T | C | 0.1398 | -0.1653 | 3.35E-17  | 71   |
| GCST90274768 | rs3124761  | T | C | 0.1375 | -0.1664 | 6.18E-17  | 70   |
| GCST90274768 | rs3124764  | T | C | 0.1378 | -0.1674 | 1.94E-17  | 72   |
| GCST90274768 | rs3124766  | A | G | 0.1452 | -0.1644 | 3.37E-18  | 76   |
| GCST90274768 | rs34703843 | T | C | 0.0685 | -0.1702 | 3.50E-13  | 53   |
| GCST90274768 | rs34714080 | A | G | 0.5606 | 0.0864  | 4.24E-11  | 43   |
| GCST90274768 | rs34716573 | T | C | 0.6471 | 0.0813  | 2.67E-11  | 44   |
| GCST90274768 | rs7258871  | A | G | 0.5026 | -0.3604 | 1.00E-200 | 965  |
| GCST90274768 | rs7259568  | T | C | 0.1634 | 0.8009  | 1.00E-200 | 2889 |
| GCST90274768 | rs7259930  | A | G | 0.2099 | 0.0926  | 2.43E-08  | 31   |

|              |            |   |   |        |         |           |     |
|--------------|------------|---|---|--------|---------|-----------|-----|
| GCST90274768 | rs7260089  | T | C | 0.553  | 0.236   | 1.38E-93  | 421 |
| GCST90274768 | rs7260497  | T | C | 0.1575 | 0.13    | 7.00E-15  | 61  |
| GCST90274768 | rs72620539 | A | T | 0.8668 | 0.1285  | 5.52E-11  | 43  |
| GCST90274768 | rs7294326  | T | G | 0.4616 | 0.0717  | 6.37E-10  | 38  |
| GCST90274768 | rs7294354  | T | G | 0.4451 | -0.1071 | 2.64E-20  | 85  |
| GCST90274768 | rs7295693  | T | C | 0.4162 | -0.1143 | 1.53E-22  | 95  |
| GCST90274768 | rs7296588  | A | G | 0.4365 | -0.1159 | 1.66E-23  | 100 |
| GCST90274768 | rs80104977 | T | C | 0.0298 | -0.3554 | 1.86E-13  | 54  |
| GCST90274768 | rs80145028 | T | G | 0.9461 | 0.2927  | 5.93E-24  | 102 |
| GCST90274768 | rs80228866 | T | C | 0.201  | -0.1782 | 1.03E-34  | 151 |
| GCST90274768 | rs80263670 | A | G | 0.2001 | -0.1922 | 1.38E-37  | 164 |
| GCST90274768 | rs11880281 | A | G | 0.7195 | -0.1569 | 1.15E-31  | 137 |
| GCST90274768 | rs11880419 | T | C | 0.5004 | -0.3592 | 1.00E-200 | 959 |
| GCST90274768 | rs11880727 | T | C | 0.795  | 0.1989  | 3.02E-34  | 149 |
| GCST90274768 | rs11881277 | A | G | 0.2708 | -0.2008 | 4.95E-53  | 235 |
| GCST90274768 | rs11881336 | T | G | 0.1995 | -0.1825 | 2.17E-35  | 154 |
| GCST90274768 | rs11881424 | T | G | 0.2046 | -0.1503 | 1.54E-24  | 105 |
| GCST90274768 | rs7250749  | A | G | 0.2034 | 0.1766  | 5.27E-29  | 125 |
| GCST90274768 | rs10417559 | A | G | 0.5697 | 0.3304  | 1.16E-169 | 771 |
| GCST90274768 | rs10418036 | A | G | 0.1541 | 0.1273  | 1.74E-14  | 59  |
| GCST90274768 | rs10418055 | A | G | 0.5493 | 0.2521  | 5.65E-103 | 464 |
| GCST90274768 | rs10418488 | A | G | 0.2143 | 0.1877  | 7.40E-37  | 161 |
| GCST90274768 | rs10420779 | T | C | 0.4897 | -0.0714 | 2.68E-09  | 35  |
| GCST90274768 | rs10421500 | T | C | 0.8416 | -0.1231 | 6.09E-14  | 56  |
| GCST90274768 | rs10421993 | T | C | 0.4668 | 0.3355  | 4.16E-187 | 851 |
| GCST90274768 | rs10422575 | T | C | 0.2996 | 0.1147  | 3.22E-19  | 80  |
| GCST90274768 | rs2878543  | T | C | 0.7221 | 0.1718  | 2.72E-39  | 172 |
| GCST90274768 | rs2890071  | T | C | 0.7922 | -0.1106 | 4.76E-12  | 48  |
| GCST90274768 | rs2892233  | A | G | 0.3334 | 0.147   | 1.89E-31  | 136 |
| GCST90274768 | rs3094287  | T | C | 0.6854 | -0.1226 | 9.88E-22  | 92  |
| GCST90274768 | rs34629355 | A | G | 0.0711 | -0.1615 | 6.32E-12  | 47  |

|              |            |   |   |        |         |           |      |
|--------------|------------|---|---|--------|---------|-----------|------|
| GCST90274768 | rs34647151 | T | C | 0.0691 | -0.1718 | 1.66E-13  | 54   |
| GCST90274768 | rs34654154 | T | C | 0.0687 | -0.168  | 4.44E-13  | 52   |
| GCST90274768 | rs34698909 | T | C | 0.1497 | 0.1513  | 4.74E-20  | 84   |
| GCST90274768 | rs381254   | T | C | 0.9227 | -0.151  | 3.14E-10  | 40   |
| GCST90274768 | rs3813771  | T | C | 0.2089 | 0.0984  | 2.17E-11  | 45   |
| GCST90274768 | rs3813774  | A | G | 0.0648 | -0.2253 | 8.89E-21  | 87   |
| GCST90274768 | rs3813775  | A | C | 0.0644 | -0.2267 | 7.41E-21  | 88   |
| GCST90274768 | rs3813776  | T | C | 0.0665 | -0.2236 | 5.72E-21  | 88   |
| GCST90274768 | rs681343   | T | C | 0.4446 | -0.3273 | 2.82E-181 | 824  |
| GCST90274768 | rs687621   | A | G | 0.6398 | 0.141   | 1.55E-25  | 109  |
| GCST90274768 | rs692854   | A | C | 0.4703 | -0.3097 | 2.26E-165 | 751  |
| GCST90274768 | rs693941   | T | C | 0.4494 | -0.0645 | 3.53E-08  | 30   |
| GCST90274768 | rs7036642  | A | G | 0.381  | 0.0901  | 1.77E-11  | 45   |
| GCST90274768 | rs7046674  | T | C | 0.3809 | 0.0917  | 7.74E-12  | 47   |
| GCST90274768 | rs7133891  | A | G | 0.4456 | -0.1139 | 2.14E-22  | 95   |
| GCST90274768 | rs71370193 | T | C | 0.1211 | 0.167   | 1.13E-19  | 82   |
| GCST90274768 | rs71370194 | T | C | 0.1122 | 0.1646  | 1.48E-17  | 73   |
| GCST90274768 | rs7137297  | A | G | 0.459  | -0.1101 | 2.28E-21  | 90   |
| GCST90274768 | rs7245536  | A | G | 0.1566 | 0.1333  | 2.11E-15  | 63   |
| GCST90274768 | rs7245635  | T | C | 0.3889 | -0.0672 | 3.63E-08  | 30   |
| GCST90274768 | rs8099952  | A | G | 0.1778 | -0.2795 | 6.75E-71  | 317  |
| GCST90274768 | rs8100055  | T | C | 0.5512 | 0.2356  | 2.81E-93  | 420  |
| GCST90274768 | rs8101298  | C | G | 0.8449 | -0.1271 | 3.86E-14  | 57   |
| GCST90274768 | rs8101396  | A | C | 0.672  | -0.3939 | 1.00E-200 | 1009 |
| GCST90274768 | rs8102032  | T | C | 0.4624 | 0.1909  | 7.48E-61  | 271  |
| GCST90274768 | rs8102108  | T | C | 0.2697 | -0.1959 | 4.38E-52  | 231  |
| GCST90274768 | rs8102492  | A | C | 0.2582 | 0.1124  | 1.40E-16  | 68   |
| GCST90274768 | rs7251038  | A | T | 0.8351 | -0.4963 | 4.43E-183 | 833  |
| GCST90274768 | rs7251191  | A | G | 0.1488 | 0.1045  | 1.35E-08  | 32   |
| GCST90274768 | rs7251756  | T | C | 0.0701 | 0.1749  | 1.76E-12  | 50   |
| GCST90274768 | rs7252142  | A | G | 0.5977 | 0.1507  | 9.38E-37  | 160  |

|              |            |   |   |        |         |           |     |
|--------------|------------|---|---|--------|---------|-----------|-----|
| GCST90274768 | rs7252764  | T | C | 0.0471 | 0.2321  | 3.61E-15  | 62  |
| GCST90274768 | rs7254397  | A | G | 0.8726 | -0.212  | 6.60E-35  | 152 |
| GCST90274768 | rs7254586  | C | G | 0.929  | 0.1592  | 5.51E-12  | 47  |
| GCST90274768 | rs7254623  | T | C | 0.153  | 0.13    | 4.83E-15  | 61  |
| GCST90274768 | rs7254691  | T | C | 0.5589 | 0.2486  | 1.99E-105 | 476 |
| GCST90274768 | rs7255200  | A | G | 0.0736 | -0.1994 | 1.58E-17  | 73  |
| GCST90274768 | rs7255415  | A | G | 0.9421 | -0.1528 | 9.23E-09  | 33  |
| GCST90274768 | rs34596874 | T | C | 0.071  | -0.1598 | 5.66E-12  | 47  |
| GCST90274768 | rs8105137  | A | G | 0.4623 | 0.191   | 6.49E-61  | 271 |
| GCST90274768 | rs3786750  | C | G | 0.2491 | 0.0912  | 1.80E-10  | 41  |
| GCST90274768 | rs380743   | A | G | 0.4438 | -0.2434 | 2.00E-99  | 448 |
| GCST90274768 | rs3810213  | A | G | 0.1308 | 0.1157  | 3.81E-11  | 44  |
| GCST90274768 | rs7257948  | A | C | 0.5593 | 0.2487  | 1.02E-103 | 468 |
| GCST90274768 | rs7258069  | T | C | 0.373  | -0.2769 | 6.66E-116 | 524 |
| GCST90274768 | rs7258484  | T | C | 0.1283 | 0.2259  | 5.23E-35  | 152 |
| GCST90274768 | rs7258822  | T | C | 0.383  | -0.0716 | 4.39E-09  | 34  |
| GCST90274768 | rs433852   | T | C | 0.2585 | 0.1096  | 7.70E-16  | 65  |
| GCST90274768 | rs4365394  | T | C | 0.705  | -0.1263 | 6.05E-17  | 70  |
| GCST90274768 | rs439523   | T | C | 0.5249 | 0.2472  | 2.89E-104 | 470 |
| GCST90274768 | rs4408641  | A | G | 0.5631 | -0.0679 | 1.53E-08  | 32  |
| GCST90274768 | rs443527   | C | G | 0.7146 | -0.1281 | 2.34E-21  | 90  |
| GCST90274768 | rs447802   | T | C | 0.6994 | -0.1193 | 2.29E-20  | 86  |
| GCST90274768 | rs448198   | T | C | 0.6443 | -0.1882 | 1.91E-50  | 223 |
| GCST90274768 | rs4489379  | T | C | 0.5887 | -0.0778 | 2.74E-08  | 31  |
| GCST90274768 | rs80016036 | A | T | 0.8054 | -0.2064 | 4.34E-35  | 153 |
| GCST90274768 | rs80028143 | T | C | 0.9445 | -0.1676 | 8.29E-10  | 38  |
| GCST90274768 | rs454715   | T | G | 0.3693 | -0.2402 | 6.29E-85  | 381 |
| GCST90274768 | rs45580433 | T | C | 0.9077 | -0.1267 | 1.33E-08  | 32  |
| GCST90274768 | rs45603833 | C | G | 0.2292 | 0.1289  | 1.99E-19  | 81  |
| GCST90274768 | rs7245770  | T | G | 0.1995 | -0.1833 | 1.10E-35  | 155 |
| GCST90274768 | rs7246201  | T | C | 0.4573 | 0.0852  | 5.19E-13  | 52  |

|              |            |   |   |        |         |           |      |
|--------------|------------|---|---|--------|---------|-----------|------|
| GCST90274768 | rs7246924  | A | C | 0.7991 | 0.1144  | 1.62E-14  | 59   |
| GCST90274768 | rs7247560  | A | G | 0.0213 | -0.2848 | 2.75E-09  | 35   |
| GCST90274768 | rs7247713  | T | C | 0.552  | 0.2329  | 3.40E-91  | 410  |
| GCST90274768 | rs7248720  | T | C | 0.5591 | 0.2462  | 1.94E-103 | 466  |
| GCST90274768 | rs7249417  | T | C | 0.751  | -0.1321 | 3.15E-14  | 58   |
| GCST90274768 | rs8102877  | T | G | 0.1531 | -0.2637 | 3.57E-58  | 259  |
| GCST90274768 | rs8103121  | A | G | 0.6661 | -0.1452 | 3.42E-31  | 135  |
| GCST90274768 | rs4801776  | T | C | 0.2537 | -0.0888 | 4.78E-11  | 43   |
| GCST90274768 | rs4802496  | C | G | 0.0875 | 0.1285  | 3.76E-09  | 35   |
| GCST90274768 | rs4802497  | A | G | 0.8671 | -0.1232 | 2.15E-10  | 40   |
| GCST90274768 | rs4802503  | A | G | 0.5213 | -0.1414 | 4.03E-30  | 130  |
| GCST90274768 | rs4802505  | A | G | 0.7987 | 0.0906  | 5.45E-10  | 39   |
| GCST90274768 | rs34488585 | T | C | 0.11   | 0.1276  | 1.16E-10  | 42   |
| GCST90274768 | rs34494166 | A | G | 0.0696 | -0.1705 | 6.29E-13  | 52   |
| GCST90274768 | rs8104875  | A | G | 0.5442 | -0.0852 | 5.19E-13  | 52   |
| GCST90274768 | rs8104881  | T | C | 0.2034 | -0.1513 | 3.17E-24  | 103  |
| GCST90274768 | rs8104897  | A | C | 0.4621 | 0.1904  | 1.52E-60  | 269  |
| GCST90274768 | rs3786619  | A | G | 0.4735 | 0.3302  | 1.82E-184 | 839  |
| GCST90274768 | rs7255659  | T | C | 0.3288 | 0.5166  | 1.00E-200 | 1823 |
| GCST90274768 | rs7256904  | T | G | 0.612  | -0.307  | 2.34E-144 | 655  |
| GCST90274768 | rs7257265  | T | C | 0.2203 | 0.1028  | 6.54E-13  | 52   |
| GCST90274768 | rs10426394 | A | G | 0.8833 | -0.1565 | 1.23E-16  | 69   |
| GCST90274768 | rs10426443 | A | G | 0.8205 | 0.2797  | 6.94E-72  | 321  |
| GCST90274768 | rs10445638 | T | C | 0.1303 | 0.1945  | 2.60E-30  | 131  |
| GCST90274768 | rs10445641 | A | G | 0.8725 | -0.1782 | 2.39E-23  | 99   |
| GCST90274768 | rs430989   | T | G | 0.6882 | -0.1228 | 2.63E-20  | 85   |
| GCST90274768 | rs3136653  | T | C | 0.1663 | 0.7997  | 1.00E-200 | 2960 |
| GCST90274768 | rs3136654  | T | G | 0.8195 | 0.208   | 4.66E-41  | 180  |
| GCST90274768 | rs3136655  | A | G | 0.1814 | -0.1111 | 3.83E-13  | 53   |
| GCST90274768 | rs3136657  | T | C | 0.628  | -0.3351 | 2.07E-180 | 820  |
| GCST90274768 | rs1077340  | T | C | 0.2744 | -0.1959 | 4.38E-52  | 231  |

|              |            |   |   |        |         |           |      |
|--------------|------------|---|---|--------|---------|-----------|------|
| GCST90274768 | rs1077341  | A | G | 0.2016 | -0.1788 | 2.12E-35  | 154  |
| GCST90274768 | rs10849032 | A | G | 0.4186 | -0.1047 | 3.60E-19  | 80   |
| GCST90274768 | rs10849048 | T | C | 0.5705 | 0.114   | 1.96E-22  | 95   |
| GCST90274768 | rs10849082 | T | C | 0.5419 | -0.0764 | 4.51E-11  | 43   |
| GCST90274768 | rs10901256 | T | C | 0.7253 | -0.0938 | 3.07E-10  | 40   |
| GCST90274768 | rs10901257 | A | G | 0.2735 | 0.0946  | 2.17E-10  | 40   |
| GCST90274768 | rs1104768  | T | G | 0.672  | -0.513  | 1.00E-200 | 1797 |
| GCST90274768 | rs463631   | A | G | 0.071  | 0.1576  | 5.90E-12  | 47   |
| GCST90274768 | rs473533   | T | C | 0.4418 | 0.0823  | 3.33E-10  | 39   |
| GCST90274768 | rs475419   | T | C | 0.5583 | -0.0818 | 4.26E-10  | 39   |
| GCST90274768 | rs479486   | A | G | 0.4887 | -0.2593 | 1.59E-114 | 517  |
| GCST90274768 | rs4801767  | T | C | 0.1018 | 0.1163  | 7.21E-09  | 33   |
| GCST90274768 | rs4801770  | A | G | 0.8641 | -0.1247 | 1.42E-09  | 37   |
| GCST90274768 | rs4801771  | T | C | 0.8729 | -0.1338 | 1.53E-10  | 41   |
| GCST90274768 | rs34360510 | A | G | 0.0699 | -0.1581 | 3.52E-10  | 39   |
| GCST90274768 | rs34404429 | A | G | 0.8775 | -0.1607 | 2.46E-18  | 76   |
| GCST90274768 | rs34424600 | T | G | 0.2701 | -0.2067 | 2.88E-55  | 245  |
| GCST90274768 | rs34425383 | T | C | 0.9304 | 0.1754  | 1.71E-13  | 54   |
| GCST90274768 | rs34437435 | T | C | 0.0692 | -0.1701 | 2.27E-13  | 54   |
| GCST90274768 | rs34439264 | T | C | 0.1495 | 0.1514  | 2.66E-20  | 85   |
| GCST90274768 | rs34470441 | T | G | 0.4281 | -0.3208 | 1.64E-165 | 752  |
| GCST90274768 | rs41285780 | A | G | 0.0661 | 0.4366  | 8.14E-55  | 243  |
| GCST90274768 | rs41296107 | T | C | 0.0889 | -0.1974 | 4.53E-16  | 66   |
| GCST90274768 | rs10423396 | T | C | 0.9215 | -0.174  | 1.79E-14  | 59   |
| GCST90274768 | rs3760811  | C | G | 0.0876 | 0.1262  | 7.08E-09  | 34   |
| GCST90274768 | rs376524   | A | G | 0.7416 | -0.1096 | 7.70E-16  | 65   |
| GCST90274768 | rs7255527  | T | C | 0.5047 | -0.3605 | 1.00E-200 | 949  |
| GCST90274768 | rs10424520 | A | C | 0.1339 | 0.1858  | 4.08E-28  | 121  |
| GCST90274768 | rs10426282 | T | G | 0.4919 | -0.0733 | 1.01E-09  | 37   |
| GCST90274768 | rs10426317 | T | C | 0.7039 | -0.1248 | 1.40E-16  | 68   |
| GCST90274768 | rs423009   | T | C | 0.1504 | 0.1089  | 1.17E-10  | 42   |

|              |            |   |   |        |         |           |     |
|--------------|------------|---|---|--------|---------|-----------|-----|
| GCST90274768 | rs4271691  | T | C | 0.1359 | 0.1829  | 6.49E-28  | 120 |
| GCST90274768 | rs427248   | T | C | 0.4436 | -0.2443 | 1.84E-98  | 444 |
| GCST90274768 | rs4275954  | A | G | 0.7367 | 0.1172  | 3.91E-18  | 75  |
| GCST90274768 | rs34159937 | A | G | 0.4657 | 0.0791  | 6.06E-12  | 47  |
| GCST90274768 | rs34168156 | C | G | 0.0391 | -0.2669 | 3.29E-16  | 67  |
| GCST90274768 | rs34169675 | T | C | 0.0422 | -0.2064 | 3.12E-10  | 40  |
| GCST90274768 | rs34213009 | A | C | 0.068  | -0.1683 | 9.94E-13  | 51  |
| GCST90274768 | rs3813782  | A | G | 0.1445 | 0.196   | 9.38E-31  | 133 |
| GCST90274768 | rs3815691  | T | C | 0.1505 | 0.1493  | 8.73E-20  | 83  |
| GCST90274768 | rs33988101 | T | G | 0.4804 | -0.2666 | 6.82E-119 | 537 |
| GCST90274768 | rs34013452 | T | C | 0.2734 | -0.1731 | 3.57E-38  | 167 |
| GCST90274768 | rs34019521 | C | G | 0.2592 | -0.0783 | 1.09E-08  | 33  |
| GCST90274768 | rs452270   | T | C | 0.5502 | 0.2444  | 1.22E-54  | 242 |
| GCST90274768 | rs4527135  | A | T | 0.6988 | -0.1221 | 2.76E-19  | 81  |
| GCST90274768 | rs34075581 | A | G | 0.9288 | 0.1579  | 8.17E-12  | 47  |
| GCST90274768 | rs34129368 | C | G | 0.0685 | -0.168  | 4.44E-13  | 52  |
| GCST90274768 | rs411482   | T | C | 0.3663 | -0.227  | 4.73E-76  | 341 |
| GCST90274768 | rs34145389 | C | G | 0.7413 | 0.1617  | 3.77E-32  | 139 |
| GCST90274768 | rs12985816 | T | C | 0.0722 | -0.1753 | 2.22E-13  | 54  |
| GCST90274768 | rs41302673 | T | G | 0.906  | 0.2049  | 5.35E-18  | 75  |
| GCST90274768 | rs34214383 | T | C | 0.219  | -0.2867 | 1.03E-84  | 380 |
| GCST90274768 | rs34271003 | T | C | 0.0893 | 0.1296  | 1.66E-09  | 36  |
| GCST90274768 | rs34287205 | T | C | 0.3022 | -0.0794 | 3.51E-08  | 30  |
| GCST90274768 | rs4801773  | A | C | 0.4653 | 0.1237  | 4.29E-22  | 93  |
| GCST90274768 | rs4801774  | T | C | 0.6813 | -0.1206 | 3.38E-20  | 85  |
| GCST90274768 | rs4801775  | T | C | 0.7988 | 0.0901  | 6.78E-10  | 38  |
| GCST90274768 | rs4015     | T | C | 0.2078 | 0.1595  | 1.99E-27  | 118 |
| GCST90274768 | rs4021     | A | G | 0.7015 | -0.1868 | 3.08E-48  | 213 |
| GCST90274768 | rs402900   | T | C | 0.927  | -0.1526 | 1.79E-11  | 45  |
| GCST90274768 | rs12984528 | A | G | 0.6321 | -0.093  | 1.57E-13  | 54  |
| GCST90274768 | rs414299   | T | C | 0.491  | -0.1884 | 2.55E-60  | 268 |

|              |             |   |   |        |         |           |      |
|--------------|-------------|---|---|--------|---------|-----------|------|
| GCST90274768 | rs12985234  | A | G | 0.7216 | 0.1972  | 1.49E-53  | 237  |
| GCST90274768 | rs12985897  | T | C | 0.0688 | -0.1657 | 9.18E-13  | 51   |
| GCST90274768 | rs41320348  | T | G | 0.0749 | 0.4288  | 3.99E-83  | 373  |
| GCST90274768 | rs418821    | C | G | 0.901  | -0.1592 | 1.95E-14  | 59   |
| GCST90274768 | rs10424096  | A | G | 0.8694 | -0.6596 | 1.00E-200 | 1025 |
| GCST90274768 | rs4149455   | T | C | 0.3699 | 0.1298  | 2.93E-25  | 108  |
| GCST90274768 | rs418464    | T | C | 0.5544 | 0.245   | 1.03E-100 | 454  |
| GCST90274768 | rs12986126  | A | G | 0.6245 | 0.2766  | 1.47E-117 | 531  |
| GCST90274768 | rs34024100  | C | G | 0.073  | -0.1612 | 2.41E-12  | 49   |
| GCST90274768 | rs34039864  | T | C | 0.0679 | -0.1657 | 1.43E-12  | 50   |
| GCST90274768 | rs3826838   | A | G | 0.1523 | 0.1261  | 8.55E-14  | 56   |
| GCST90274768 | rs3826740   | A | G | 0.2568 | -0.2286 | 3.27E-66  | 295  |
| GCST90274768 | rs12986396  | A | G | 0.1414 | 0.1742  | 4.69E-26  | 111  |
| GCST90274768 | rs137975940 | A | G | 0.8621 | -0.1894 | 2.68E-27  | 117  |
| GCST90274768 | rs12985279  | T | C | 0.0695 | -0.1666 | 6.92E-13  | 52   |
| GCST90274768 | rs3826821   | A | G | 0.0872 | 0.1596  | 4.88E-12  | 48   |
| GCST90274768 | rs3826741   | A | G | 0.1666 | 0.7991  | 1.00E-200 | 2955 |
| GCST90274768 | rs4002471   | T | C | 0.4802 | -0.2672 | 2.10E-117 | 531  |
| GCST90274768 | rs138676881 | T | C | 0.0252 | 0.3543  | 5.16E-16  | 66   |
| GCST90274768 | rs3865463   | A | G | 0.8644 | -0.1834 | 4.66E-28  | 121  |
| GCST90274768 | rs41302667  | A | G | 0.0915 | -0.1801 | 9.91E-14  | 55   |
| GCST90274768 | rs3859439   | T | C | 0.4453 | 0.2471  | 3.42E-78  | 350  |
| GCST90274768 | rs3826820   | T | C | 0.6586 | -0.0845 | 2.06E-09  | 36   |
| GCST90274768 | rs3889000   | T | C | 0.8761 | -0.1571 | 6.04E-18  | 75   |
| GCST90274768 | rs34354498  | T | C | 0.0363 | 0.1886  | 4.71E-09  | 34   |
| GCST90274768 | rs392775    | A | T | 0.9288 | -0.1574 | 6.27E-12  | 47   |
| GCST90274768 | rs10423989  | A | G | 0.5037 | 0.0699  | 5.71E-09  | 34   |
| GCST90274768 | rs386243    | T | C | 0.3005 | 0.1211  | 1.22E-20  | 87   |
| GCST90274768 | rs3888999   | A | G | 0.1235 | 0.1574  | 7.90E-18  | 74   |
| GCST90274768 | rs3859437   | A | G | 0.701  | -0.1129 | 1.85E-15  | 63   |
| GCST90274768 | rs391381    | T | G | 0.071  | 0.157   | 7.09E-12  | 47   |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274768 | rs386551    | C | G | 0.6967 | -0.1241 | 6.57E-22 | 93  |
| GCST90274768 | rs3865464   | A | T | 0.1098 | -0.1156 | 5.13E-10 | 39  |
| GCST90274768 | rs3848570   | T | C | 0.047  | 0.3758  | 1.22E-41 | 183 |
| GCST90274768 | rs138874936 | C | G | 0.0162 | 0.5141  | 1.18E-25 | 110 |
| GCST90274768 | rs3826846   | A | G | 0.6264 | -0.1984 | 9.90E-57 | 252 |
| GCST90274769 | rs139902    | A | C | 0.3659 | 0.0684  | 1.58E-08 | 32  |
| GCST90274769 | rs1400987   | T | G | 0.471  | -0.063  | 1.38E-08 | 32  |
| GCST90274769 | rs2275531   | T | C | 0.462  | -0.0618 | 2.58E-08 | 31  |
| GCST90274769 | rs4866742   | T | C | 0.4126 | 0.0702  | 8.71E-09 | 33  |
| GCST90274769 | rs7710570   | T | C | 0.4078 | 0.0628  | 3.61E-08 | 30  |
| GCST90274769 | rs79770659  | A | G | 0.5907 | -0.0653 | 2.39E-08 | 31  |
| GCST90274769 | rs291086    | A | G | 0.4741 | -0.0633 | 1.59E-08 | 32  |
| GCST90274769 | rs117589754 | A | G | 0.0173 | -0.277  | 3.02E-08 | 31  |
| GCST90274769 | rs94872     | T | C | 0.5015 | 0.0617  | 2.72E-08 | 31  |
| GCST90274769 | rs6580980   | A | G | 0.4015 | -0.0688 | 5.53E-09 | 34  |
| GCST90274769 | rs840270    | T | C | 0.4984 | -0.061  | 3.90E-08 | 30  |
| GCST90274769 | rs908702    | T | C | 0.4608 | -0.0607 | 4.54E-08 | 30  |
| GCST90274769 | rs7701642   | T | G | 0.3996 | 0.0623  | 4.63E-08 | 30  |
| GCST90274769 | rs748140    | A | G | 0.5544 | 0.0619  | 3.26E-08 | 31  |
| GCST90274769 | rs9942413   | A | G | 0.4174 | 0.0648  | 1.31E-08 | 32  |
| GCST90274769 | rs6695632   | A | G | 0.4615 | -0.0622 | 2.10E-08 | 31  |
| GCST90274769 | rs6883936   | T | C | 0.4027 | 0.0623  | 4.63E-08 | 30  |
| GCST90274769 | rs10876550  | A | G | 0.589  | 0.0643  | 1.70E-08 | 32  |
| GCST90274769 | rs748844    | A | G | 0.4451 | -0.0624 | 2.53E-08 | 31  |
| GCST90274769 | rs754527    | T | C | 0.4062 | 0.0633  | 2.81E-08 | 31  |
| GCST90274769 | rs76669782  | A | C | 0.0176 | -0.2853 | 2.68E-08 | 31  |
| GCST90274771 | rs2274908   | A | G | 0.6733 | -0.086  | 5.99E-12 | 47  |
| GCST90274771 | rs2274907   | A | T | 0.3264 | 0.0861  | 5.66E-12 | 47  |
| GCST90274771 | rs2274909   | T | C | 0.6733 | -0.0868 | 3.81E-12 | 48  |
| GCST90274771 | rs2274910   | T | C | 0.3285 | 0.0834  | 5.48E-12 | 48  |
| GCST90274771 | rs7414728   | A | C | 0.3262 | 0.1071  | 1.90E-17 | 72  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274771 | rs7414826  | A | G | 0.6496 | -0.091  | 1.38E-13 | 55  |
| GCST90274771 | rs2274906  | A | G | 0.3988 | -0.1314 | 1.80E-27 | 118 |
| GCST90274771 | rs2280415  | T | C | 0.5532 | -0.1854 | 1.80E-59 | 264 |
| GCST90274771 | rs2295616  | A | G | 0.308  | -0.0933 | 4.74E-13 | 52  |
| GCST90274771 | rs7419088  | A | G | 0.7802 | -0.1946 | 9.58E-43 | 188 |
| GCST90274771 | rs37454    | A | C | 0.3417 | 0.0687  | 3.89E-08 | 30  |
| GCST90274771 | rs7412696  | T | G | 0.2171 | 0.194   | 6.33E-42 | 184 |
| GCST90274771 | rs2990692  | T | C | 0.8185 | -0.0952 | 5.20E-09 | 34  |
| GCST90274771 | rs35967351 | A | T | 0.6916 | 0.0934  | 2.95E-13 | 53  |
| GCST90274771 | rs37469    | A | G | 0.4623 | 0.072   | 1.44E-09 | 37  |
| GCST90274771 | rs37456    | T | C | 0.3425 | 0.069   | 3.39E-08 | 30  |
| GCST90274771 | rs37459    | A | G | 0.6571 | -0.0684 | 4.45E-08 | 30  |
| GCST90274771 | rs37463    | A | G | 0.4642 | 0.072   | 1.44E-09 | 37  |
| GCST90274771 | rs7411035  | T | G | 0.6709 | -0.0879 | 2.04E-12 | 49  |
| GCST90274771 | rs7412693  | A | G | 0.2168 | 0.1938  | 7.66E-42 | 184 |
| GCST90274771 | rs3766359  | A | G | 0.6731 | -0.0879 | 3.03E-12 | 49  |
| GCST90274771 | rs3766370  | T | C | 0.3067 | -0.0943 | 2.67E-13 | 53  |
| GCST90274771 | rs3766373  | A | G | 0.6987 | 0.0962  | 1.40E-14 | 59  |
| GCST90274771 | rs3766374  | A | G | 0.2941 | -0.0975 | 1.01E-14 | 60  |
| GCST90274771 | rs3766377  | A | G | 0.7516 | 0.0862  | 5.59E-10 | 38  |
| GCST90274771 | rs7419110  | A | G | 0.784  | -0.1926 | 2.40E-41 | 181 |
| GCST90274771 | rs7419145  | A | G | 0.7838 | -0.1929 | 1.80E-41 | 182 |
| GCST90274771 | rs7516660  | T | G | 0.6673 | -0.0739 | 3.38E-09 | 35  |
| GCST90274771 | rs3753389  | T | C | 0.445  | 0.1843  | 8.67E-59 | 261 |
| GCST90274771 | rs3766356  | T | C | 0.3268 | 0.0875  | 3.80E-12 | 48  |
| GCST90274771 | rs3766357  | A | G | 0.6733 | -0.0881 | 2.71E-12 | 49  |
| GCST90274771 | rs7410867  | C | G | 0.7867 | -0.1886 | 3.42E-39 | 172 |
| GCST90274771 | rs3766358  | A | T | 0.6733 | -0.0904 | 7.84E-11 | 42  |
| GCST90274771 | rs2779792  | T | C | 0.548  | -0.1926 | 3.86E-65 | 291 |
| GCST90274771 | rs2779800  | A | G | 0.5552 | -0.0668 | 6.30E-09 | 34  |
| GCST90274771 | rs7532133  | A | G | 0.3277 | 0.0862  | 5.35E-12 | 48  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274771 | rs2990693  | A | G | 0.1825 | 0.0943  | 7.12E-10 | 38  |
| GCST90274771 | rs2990702  | A | G | 0.5552 | -0.1824 | 1.28E-57 | 256 |
| GCST90274771 | rs2990703  | A | G | 0.5468 | -0.1928 | 2.85E-65 | 291 |
| GCST90274771 | rs314253   | T | C | 0.6391 | -0.0693 | 5.76E-09 | 34  |
| GCST90274771 | rs314256   | C | G | 0.6395 | -0.0753 | 1.26E-09 | 37  |
| GCST90274771 | rs2297559  | A | G | 0.6803 | -0.0768 | 1.09E-09 | 37  |
| GCST90274771 | rs246776   | T | C | 0.4607 | 0.0718  | 1.60E-09 | 36  |
| GCST90274771 | rs2769587  | A | G | 0.3091 | 0.1253  | 1.25E-22 | 96  |
| GCST90274771 | rs2774277  | T | C | 0.1086 | 0.1308  | 1.17E-12 | 51  |
| GCST90274771 | rs2779790  | A | G | 0.4446 | 0.1827  | 8.37E-58 | 257 |
| GCST90274771 | rs35224927 | C | G | 0.973  | -0.4439 | 3.66E-29 | 126 |
| GCST90274771 | rs35237586 | T | C | 0.3451 | -0.1167 | 5.18E-19 | 79  |
| GCST90274771 | rs35958318 | A | G | 0.1192 | -0.1077 | 1.44E-08 | 32  |
| GCST90274771 | rs7137828  | T | C | 0.523  | -0.1184 | 9.94E-19 | 78  |
| GCST90274771 | rs72710704 | T | G | 0.7702 | 0.102   | 9.68E-14 | 55  |
| GCST90274771 | rs72710762 | A | C | 0.7841 | -0.1928 | 1.98E-41 | 182 |
| GCST90274771 | rs72710789 | T | C | 0.1213 | -0.1462 | 1.36E-15 | 64  |
| GCST90274771 | rs72710795 | A | G | 0.1311 | -0.1285 | 3.87E-13 | 53  |
| GCST90274771 | rs72712812 | A | C | 0.8864 | 0.1289  | 7.06E-12 | 47  |
| GCST90274771 | rs72837690 | T | C | 0.6405 | -0.0776 | 5.37E-10 | 39  |
| GCST90274771 | rs73012081 | A | G | 0.1153 | -0.1174 | 3.43E-10 | 39  |
| GCST90274771 | rs7406661  | T | C | 0.7855 | -0.0863 | 3.17E-08 | 31  |
| GCST90274771 | rs790626   | A | G | 0.5558 | -0.0645 | 2.04E-08 | 31  |
| GCST90274771 | rs6427554  | T | C | 0.3497 | 0.0905  | 1.87E-13 | 54  |
| GCST90274771 | rs653178   | T | C | 0.5223 | -0.1149 | 2.79E-19 | 81  |
| GCST90274771 | rs65463    | A | T | 0.3077 | 0.1306  | 3.67E-20 | 85  |
| GCST90274771 | rs6656939  | C | G | 0.3113 | 0.1327  | 3.50E-25 | 107 |
| GCST90274771 | rs6658416  | A | G | 0.3299 | 0.0886  | 1.36E-12 | 50  |
| GCST90274771 | rs6662441  | T | G | 0.2271 | 0.0862  | 7.24E-09 | 33  |
| GCST90274771 | rs6663259  | A | G | 0.643  | -0.1067 | 5.73E-14 | 56  |
| GCST90274771 | rs6667400  | A | G | 0.3273 | 0.0878  | 3.21E-12 | 49  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274771 | rs66692283 | A | C | 0.7682 | 0.105   | 1.42E-13 | 55  |
| GCST90274771 | rs7518342  | C | G | 0.4067 | 0.2118  | 7.28E-71 | 317 |
| GCST90274771 | rs7518537  | A | T | 0.1196 | -0.1058 | 8.92E-09 | 33  |
| GCST90274771 | rs7520618  | A | G | 0.404  | -0.068  | 4.16E-08 | 30  |
| GCST90274771 | rs7521486  | T | C | 0.1468 | 0.0954  | 1.11E-08 | 33  |
| GCST90274771 | rs7523191  | A | G | 0.401  | -0.0689 | 2.75E-08 | 31  |
| GCST90274771 | rs7524351  | T | C | 0.3277 | 0.0878  | 3.21E-12 | 49  |
| GCST90274771 | rs7530965  | A | G | 0.667  | -0.0744 | 2.65E-09 | 35  |
| GCST90274771 | rs6690138  | C | G | 0.3513 | 0.0911  | 1.30E-13 | 55  |
| GCST90274771 | rs7541298  | T | C | 0.6886 | -0.128  | 1.52E-23 | 100 |
| GCST90274771 | rs7543952  | T | C | 0.4006 | -0.0689 | 2.75E-08 | 31  |
| GCST90274771 | rs7551697  | A | T | 0.6503 | -0.0908 | 1.56E-13 | 54  |
| GCST90274771 | rs7553107  | T | C | 0.3102 | 0.128   | 1.52E-23 | 100 |
| GCST90274771 | rs7555137  | T | G | 0.2979 | 0.1147  | 3.64E-18 | 76  |
| GCST90274771 | rs3184504  | T | C | 0.4764 | 0.116   | 1.27E-19 | 82  |
| GCST90274771 | rs34067571 | A | G | 0.6728 | -0.0882 | 2.56E-12 | 49  |
| GCST90274771 | rs34224911 | A | T | 0.6561 | -0.0687 | 3.89E-08 | 30  |
| GCST90274771 | rs34931195 | A | T | 0.2999 | -0.0696 | 2.58E-08 | 31  |
| GCST90274771 | rs34984882 | A | G | 0.0066 | 0.7929  | 1.51E-10 | 41  |
| GCST90274771 | rs6703406  | T | C | 0.6732 | -0.0879 | 3.03E-12 | 49  |
| GCST90274771 | rs6703704  | T | C | 0.3496 | 0.0911  | 1.30E-13 | 55  |
| GCST90274771 | rs6704490  | A | G | 0.3502 | 0.091   | 5.43E-12 | 48  |
| GCST90274771 | rs76941621 | T | C | 0.0063 | 0.7276  | 1.25E-09 | 37  |
| GCST90274771 | rs77738326 | T | C | 0.1091 | -0.143  | 9.48E-14 | 55  |
| GCST90274771 | rs78457550 | A | G | 0.0081 | 0.6586  | 8.36E-10 | 38  |
| GCST90274771 | rs78600824 | A | G | 0.8779 | 0.1487  | 4.45E-16 | 66  |
| GCST90274771 | rs78602553 | A | G | 0.0059 | 0.7317  | 3.62E-09 | 35  |
| GCST90274771 | rs78714351 | A | G | 0.9756 | -0.4904 | 4.00E-33 | 144 |
| GCST90274771 | rs78937709 | C | G | 0.8503 | -0.105  | 2.53E-10 | 40  |
| GCST90274771 | rs78978905 | A | T | 0.1112 | -0.1348 | 9.87E-13 | 51  |
| GCST90274771 | rs790624   | T | C | 0.6894 | -0.1245 | 1.01E-23 | 101 |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274771 | rs2184067  | T | C | 0.3258 | 0.107   | 2.03E-17 | 72  |
| GCST90274771 | rs2184068  | T | C | 0.6789 | -0.1019 | 1.03E-15 | 64  |
| GCST90274771 | rs2184069  | C | G | 0.674  | -0.1068 | 2.33E-17 | 72  |
| GCST90274771 | rs2225591  | T | C | 0.6604 | -0.0844 | 1.00E-11 | 46  |
| GCST90274771 | rs2236515  | T | C | 0.3214 | 0.0826  | 5.54E-11 | 43  |
| GCST90274771 | rs2255847  | T | C | 0.1853 | 0.0867  | 4.68E-09 | 34  |
| GCST90274771 | rs2274905  | T | G | 0.6732 | -0.0876 | 3.59E-12 | 48  |
| GCST90274771 | rs509219   | A | G | 0.6869 | -0.1293 | 2.57E-20 | 85  |
| GCST90274771 | rs509749   | A | G | 0.5544 | -0.0671 | 5.39E-09 | 34  |
| GCST90274771 | rs512197   | A | G | 0.3121 | 0.1234  | 4.52E-21 | 89  |
| GCST90274771 | rs6669353  | A | G | 0.3998 | -0.1231 | 2.60E-24 | 104 |
| GCST90274771 | rs6671490  | A | C | 0.6768 | -0.086  | 8.77E-12 | 47  |
| GCST90274771 | rs6671710  | A | G | 0.4544 | 0.1933  | 1.33E-65 | 293 |
| GCST90274771 | rs6676174  | T | C | 0.6737 | -0.1051 | 7.35E-17 | 70  |
| GCST90274771 | rs6682654  | A | G | 0.5453 | -0.194  | 4.60E-66 | 295 |
| GCST90274771 | rs6685693  | A | G | 0.3264 | 0.1065  | 2.85E-17 | 71  |
| GCST90274771 | rs6685774  | A | C | 0.3021 | 0.1313  | 3.52E-21 | 89  |
| GCST90274771 | rs528106   | A | C | 0.454  | 0.2024  | 7.12E-65 | 289 |
| GCST90274771 | rs6691072  | C | G | 0.6876 | -0.1264 | 2.12E-24 | 104 |
| GCST90274771 | rs6691672  | A | G | 0.3331 | 0.0763  | 1.03E-09 | 37  |
| GCST90274771 | rs6691868  | T | C | 0.6555 | -0.0883 | 3.16E-11 | 44  |
| GCST90274771 | rs6694415  | A | G | 0.6492 | -0.0914 | 1.08E-13 | 55  |
| GCST90274771 | rs6698454  | T | C | 0.2109 | 0.1914  | 8.77E-40 | 174 |
| GCST90274771 | rs7555175  | A | C | 0.3458 | -0.1129 | 8.64E-20 | 83  |
| GCST90274771 | rs7555286  | T | C | 0.6876 | -0.1266 | 4.57E-23 | 98  |
| GCST90274771 | rs7556098  | T | C | 0.3172 | -0.1336 | 7.01E-26 | 111 |
| GCST90274771 | rs75696166 | T | C | 0.9943 | -0.693  | 3.61E-08 | 30  |
| GCST90274771 | rs75773569 | A | G | 0.0056 | 0.7704  | 2.93E-09 | 35  |
| GCST90274771 | rs7578982  | T | C | 0.7002 | 0.0702  | 2.53E-08 | 31  |
| GCST90274771 | rs75942674 | A | G | 0.0067 | 0.7462  | 2.51E-08 | 31  |
| GCST90274771 | rs76740360 | T | C | 0.0059 | 0.6982  | 3.16E-08 | 31  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274771 | rs2013002   | T | C | 0.4157 | 0.0851  | 2.02E-12 | 49  |
| GCST90274771 | rs2027015   | A | G | 0.5542 | -0.0658 | 1.05E-08 | 33  |
| GCST90274771 | rs2039415   | T | C | 0.3196 | 0.0768  | 1.09E-09 | 37  |
| GCST90274771 | rs2090755   | T | C | 0.6534 | 0.1112  | 3.03E-19 | 80  |
| GCST90274771 | rs2090756   | A | G | 0.2317 | -0.0997 | 2.29E-13 | 54  |
| GCST90274771 | rs2139660   | A | T | 0.599  | -0.21   | 1.43E-68 | 306 |
| GCST90274771 | rs2151293   | T | C | 0.3265 | 0.1069  | 2.17E-17 | 72  |
| GCST90274771 | rs2176873   | T | C | 0.2976 | -0.0931 | 9.48E-14 | 55  |
| GCST90274771 | rs2184064   | A | G | 0.3333 | 0.0757  | 1.40E-09 | 37  |
| GCST90274771 | rs56093546  | A | T | 0.2155 | 0.0867  | 2.22E-08 | 31  |
| GCST90274771 | rs56115403  | A | G | 0.2115 | 0.086   | 4.31E-08 | 30  |
| GCST90274771 | rs79085063  | A | T | 0.3029 | 0.1341  | 3.60E-21 | 89  |
| GCST90274771 | rs79199924  | T | C | 0.0069 | 0.6955  | 1.52E-08 | 32  |
| GCST90274771 | rs79209815  | T | C | 0.9924 | -0.6747 | 3.05E-09 | 35  |
| GCST90274771 | rs79253868  | A | G | 0.3643 | 0.0819  | 1.29E-08 | 32  |
| GCST90274771 | rs79426977  | T | C | 0.1185 | -0.1076 | 4.98E-09 | 34  |
| GCST90274771 | rs7953257   | A | T | 0.4094 | 0.0899  | 1.72E-13 | 54  |
| GCST90274771 | rs79933470  | T | G | 0.0067 | 0.7892  | 3.67E-09 | 35  |
| GCST90274771 | rs847888    | A | C | 0.5684 | -0.0838 | 9.55E-10 | 37  |
| GCST90274771 | rs512525    | A | C | 0.5469 | -0.1938 | 6.24E-66 | 294 |
| GCST90274771 | rs518242    | T | G | 0.701  | 0.0936  | 3.99E-13 | 53  |
| GCST90274771 | rs518721    | A | G | 0.3183 | -0.0901 | 2.39E-13 | 54  |
| GCST90274771 | rs520316    | A | G | 0.6928 | -0.127  | 1.29E-24 | 105 |
| GCST90274771 | rs527253    | C | G | 0.6903 | -0.1262 | 2.50E-24 | 104 |
| GCST90274771 | rs527766    | T | C | 0.3095 | 0.1272  | 2.86E-23 | 99  |
| GCST90274771 | rs528095    | T | C | 0.3245 | -0.0886 | 3.81E-13 | 53  |
| GCST90274771 | rs983494    | A | G | 0.232  | -0.0989 | 3.54E-13 | 53  |
| GCST90274771 | rs529902464 | A | G | 0.6488 | 0.1046  | 2.26E-14 | 58  |
| GCST90274771 | rs531141    | T | C | 0.8883 | -0.1262 | 3.91E-11 | 44  |
| GCST90274771 | rs532466    | C | G | 0.6518 | 0.1089  | 1.60E-18 | 77  |
| GCST90274771 | rs533080428 | A | T | 0.9679 | 0.3762  | 8.38E-14 | 56  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274771 | rs535241    | T | C | 0.3104 | 0.1272  | 2.86E-23 | 99  |
| GCST90274771 | rs6699162   | A | G | 0.6709 | -0.1053 | 6.43E-17 | 70  |
| GCST90274771 | rs6699166   | A | G | 0.6736 | -0.1181 | 1.21E-18 | 78  |
| GCST90274771 | rs6700146   | A | G | 0.6738 | -0.1063 | 3.27E-17 | 71  |
| GCST90274771 | rs6700408   | A | G | 0.341  | 0.0797  | 1.30E-10 | 41  |
| GCST90274771 | rs6700961   | C | G | 0.4001 | -0.1234 | 2.02E-24 | 104 |
| GCST90274771 | rs6703062   | A | G | 0.3306 | 0.0885  | 2.02E-11 | 45  |
| GCST90274771 | rs1999248   | T | G | 0.1848 | 0.0861  | 5.97E-09 | 34  |
| GCST90274771 | rs200489612 | A | G | 0.0081 | 0.6887  | 1.74E-09 | 36  |
| GCST90274771 | rs546757    | A | G | 0.6747 | 0.0875  | 7.38E-13 | 51  |
| GCST90274771 | rs549565    | A | G | 0.4453 | 0.183   | 5.48E-58 | 258 |
| GCST90274771 | rs551827    | A | G | 0.555  | -0.0665 | 7.36E-09 | 33  |
| GCST90274771 | rs551882    | A | C | 0.5585 | -0.0653 | 1.36E-08 | 32  |
| GCST90274771 | rs555932    | A | G | 0.8061 | -0.1137 | 1.19E-12 | 50  |
| GCST90274771 | rs5556810   | A | G | 0.555  | -0.0664 | 7.75E-09 | 33  |
| GCST90274771 | rs55709726  | A | C | 0.0103 | 0.5448  | 2.51E-09 | 36  |
| GCST90274771 | rs55714927  | T | C | 0.1931 | 0.0921  | 5.57E-09 | 34  |
| GCST90274771 | rs560681    | A | G | 0.6915 | -0.1264 | 2.12E-24 | 104 |
| GCST90274771 | rs4656934   | C | G | 0.3105 | 0.1278  | 6.59E-25 | 106 |
| GCST90274771 | rs4656936   | A | G | 0.5951 | -0.2116 | 9.83E-71 | 316 |
| GCST90274771 | rs4656937   | T | C | 0.4424 | 0.1736  | 1.73E-51 | 228 |
| GCST90274771 | rs4656938   | T | C | 0.4429 | 0.1779  | 5.57E-54 | 239 |
| GCST90274771 | rs4656940   | A | G | 0.789  | -0.1926 | 8.47E-41 | 179 |
| GCST90274771 | rs4656941   | A | G | 0.7891 | -0.1932 | 1.68E-40 | 178 |
| GCST90274771 | rs4656942   | A | G | 0.2312 | -0.0861 | 1.02E-09 | 37  |
| GCST90274771 | rs4656943   | A | G | 0.212  | 0.187   | 4.71E-38 | 166 |
| GCST90274771 | rs4656944   | A | G | 0.6723 | -0.1087 | 6.30E-18 | 74  |
| GCST90274771 | rs4656945   | T | C | 0.6727 | -0.109  | 5.11E-18 | 75  |
| GCST90274771 | rs4656947   | T | C | 0.5935 | 0.1529  | 6.87E-33 | 143 |
| GCST90274771 | rs4656948   | A | G | 0.3211 | 0.1032  | 4.44E-16 | 66  |
| GCST90274771 | rs4656949   | A | G | 0.321  | 0.1014  | 1.41E-15 | 64  |

|              |           |   |   |        |         |          |     |
|--------------|-----------|---|---|--------|---------|----------|-----|
| GCST90274771 | rs4656950 | C | G | 0.3233 | 0.1203  | 2.77E-19 | 81  |
| GCST90274771 | rs4656951 | A | T | 0.3408 | 0.0958  | 1.80E-14 | 59  |
| GCST90274771 | rs4656953 | T | C | 0.6726 | -0.089  | 1.62E-12 | 50  |
| GCST90274771 | rs4656955 | A | G | 0.3268 | 0.0876  | 3.59E-12 | 48  |
| GCST90274771 | rs4656956 | T | C | 0.6781 | -0.0835 | 3.43E-11 | 44  |
| GCST90274771 | rs4656957 | A | G | 0.6822 | -0.0955 | 1.03E-12 | 51  |
| GCST90274771 | rs4656958 | A | G | 0.3202 | 0.0771  | 9.41E-10 | 37  |
| GCST90274771 | rs4656959 | A | G | 0.6543 | -0.0825 | 2.87E-11 | 44  |
| GCST90274771 | rs4656960 | A | G | 0.3493 | 0.0911  | 1.30E-13 | 55  |
| GCST90274771 | rs4656961 | T | C | 0.3411 | 0.0794  | 1.52E-10 | 41  |
| GCST90274771 | rs535610  | A | G | 0.4538 | 0.1936  | 8.46E-66 | 294 |
| GCST90274771 | rs536015  | C | G | 0.6902 | -0.1267 | 4.23E-23 | 98  |
| GCST90274771 | rs536906  | T | C | 0.4526 | 0.1925  | 4.49E-65 | 290 |
| GCST90274771 | rs537957  | A | G | 0.5466 | -0.1936 | 8.46E-66 | 294 |
| GCST90274771 | rs539771  | A | C | 0.8884 | -0.1253 | 5.37E-11 | 43  |
| GCST90274771 | rs540224  | A | G | 0.3099 | 0.1268  | 3.91E-23 | 98  |
| GCST90274771 | rs541834  | A | G | 0.5556 | -0.1826 | 9.64E-58 | 257 |
| GCST90274771 | rs546669  | A | C | 0.3091 | 0.1259  | 7.88E-23 | 97  |
| GCST90274771 | rs483197  | A | C | 0.5551 | -0.1836 | 2.34E-58 | 259 |
| GCST90274771 | rs489286  | A | G | 0.3262 | -0.0938 | 1.49E-14 | 59  |
| GCST90274771 | rs489442  | A | G | 0.6994 | -0.1337 | 6.67E-22 | 93  |
| GCST90274771 | rs489651  | A | G | 0.5555 | -0.1832 | 4.13E-58 | 258 |
| GCST90274771 | rs491061  | A | G | 0.526  | -0.1847 | 4.71E-60 | 267 |
| GCST90274771 | rs494091  | T | C | 0.5547 | -0.066  | 9.52E-09 | 33  |
| GCST90274771 | rs495706  | A | G | 0.3184 | -0.0898 | 2.86E-13 | 53  |
| GCST90274771 | rs496906  | A | G | 0.6485 | 0.1025  | 1.38E-16 | 68  |
| GCST90274771 | rs499721  | A | G | 0.4471 | 0.183   | 5.48E-58 | 258 |
| GCST90274771 | rs501026  | A | G | 0.6901 | -0.1246 | 9.34E-24 | 101 |
| GCST90274771 | rs501137  | A | G | 0.6903 | -0.1232 | 2.92E-23 | 99  |
| GCST90274771 | rs504170  | A | G | 0.3238 | -0.0905 | 1.87E-13 | 54  |
| GCST90274771 | rs504848  | T | C | 0.4448 | 0.0665  | 7.36E-09 | 33  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274771 | rs505728    | T | C | 0.5532 | -0.0721 | 3.42E-09 | 35  |
| GCST90274771 | rs506263    | T | C | 0.3092 | 0.125   | 6.73E-24 | 102 |
| GCST90274771 | rs508578    | A | G | 0.3092 | 0.1255  | 1.07E-22 | 96  |
| GCST90274771 | rs508744    | T | C | 0.5853 | -0.086  | 7.68E-13 | 51  |
| GCST90274771 | rs11265519  | A | C | 0.6573 | -0.0831 | 4.36E-12 | 48  |
| GCST90274771 | rs11265523  | A | G | 0.6673 | -0.0759 | 1.26E-09 | 37  |
| GCST90274771 | rs11265524  | A | C | 0.1193 | -0.1063 | 6.29E-09 | 34  |
| GCST90274771 | rs11265525  | A | T | 0.1184 | -0.1083 | 3.96E-09 | 35  |
| GCST90274771 | rs11265527  | T | C | 0.1194 | -0.1117 | 1.04E-09 | 37  |
| GCST90274771 | rs11265528  | A | T | 0.8781 | 0.1027  | 2.00E-08 | 31  |
| GCST90274771 | rs11265529  | T | C | 0.3345 | 0.0753  | 1.70E-09 | 36  |
| GCST90274771 | rs113712892 | T | C | 0.8911 | 0.1451  | 4.12E-14 | 57  |
| GCST90274771 | rs113734825 | A | G | 0.0088 | 0.6788  | 1.63E-08 | 32  |
| GCST90274771 | rs113896482 | T | C | 0.0284 | 0.4815  | 3.63E-37 | 162 |
| GCST90274771 | rs114125352 | A | G | 0.007  | 0.7012  | 7.97E-10 | 38  |
| GCST90274771 | rs114594620 | T | C | 0.9847 | 0.3862  | 6.44E-10 | 38  |
| GCST90274771 | rs114762454 | T | C | 0.0066 | 0.7279  | 4.97E-08 | 30  |
| GCST90274771 | rs114802258 | T | C | 0.0689 | 0.1409  | 1.53E-08 | 32  |
| GCST90274771 | rs11488696  | T | C | 0.6671 | -0.0753 | 1.70E-09 | 36  |
| GCST90274771 | rs4656964   | A | C | 0.6666 | -0.0754 | 1.62E-09 | 36  |
| GCST90274771 | rs4672486   | A | G | 0.4329 | 0.0661  | 1.61E-08 | 32  |
| GCST90274771 | rs4672487   | T | G | 0.4339 | 0.072   | 3.60E-09 | 35  |
| GCST90274771 | rs474131    | A | G | 0.555  | -0.0665 | 7.36E-09 | 33  |
| GCST90274771 | rs4766897   | T | C | 0.3325 | 0.0818  | 7.73E-10 | 38  |
| GCST90274771 | rs477299    | A | G | 0.6773 | 0.093   | 5.62E-13 | 52  |
| GCST90274771 | rs480104    | C | G | 0.7761 | -0.1703 | 5.48E-35 | 152 |
| GCST90274771 | rs482921    | A | G | 0.3092 | 0.1263  | 5.78E-23 | 97  |
| GCST90274771 | rs11587040  | A | G | 0.6672 | -0.0741 | 3.07E-09 | 35  |
| GCST90274771 | rs11587898  | A | C | 0.4541 | 0.1937  | 9.54E-65 | 289 |
| GCST90274771 | rs11588524  | A | G | 0.7016 | 0.0955  | 3.47E-14 | 57  |
| GCST90274771 | rs117252978 | T | G | 0.0065 | 0.7636  | 1.13E-09 | 37  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274771 | rs11805079 | T | C | 0.1364 | 0.1045  | 9.89E-10 | 37  |
| GCST90274771 | rs12022775 | T | C | 0.0989 | 0.1493  | 2.16E-11 | 45  |
| GCST90274771 | rs12035295 | T | C | 0.7892 | -0.1929 | 2.21E-40 | 177 |
| GCST90274771 | rs12035537 | A | T | 0.7891 | -0.1922 | 4.21E-40 | 176 |
| GCST90274771 | rs12036607 | A | G | 0.7877 | -0.1868 | 1.76E-38 | 168 |
| GCST90274771 | rs12036670 | A | G | 0.7864 | -0.1884 | 4.10E-39 | 171 |
| GCST90274771 | rs12037395 | T | C | 0.7865 | -0.1882 | 4.92E-39 | 171 |
| GCST90274771 | rs12037740 | T | C | 0.784  | -0.1931 | 1.49E-41 | 182 |
| GCST90274771 | rs12037885 | A | G | 0.2114 | 0.1913  | 2.84E-40 | 176 |
| GCST90274771 | rs12038419 | T | C | 0.788  | -0.1876 | 2.75E-38 | 167 |
| GCST90274771 | rs12038600 | T | C | 0.7826 | -0.1949 | 2.68E-42 | 186 |
| GCST90274771 | rs12038645 | A | G | 0.786  | -0.1914 | 2.59E-40 | 177 |
| GCST90274771 | rs12039896 | A | G | 0.2162 | 0.1928  | 1.98E-41 | 182 |
| GCST90274771 | rs12039959 | A | G | 0.216  | 0.1933  | 1.23E-41 | 183 |
| GCST90274771 | rs12040060 | A | G | 0.214  | 0.1929  | 6.40E-41 | 179 |
| GCST90274771 | rs12040152 | A | G | 0.2161 | 0.1928  | 1.98E-41 | 182 |
| GCST90274771 | rs869167   | A | G | 0.3223 | 0.1055  | 9.81E-17 | 69  |
| GCST90274771 | rs869168   | T | C | 0.3265 | 0.1078  | 1.17E-17 | 73  |
| GCST90274771 | rs914793   | A | T | 0.3232 | 0.1022  | 8.47E-16 | 65  |
| GCST90274771 | rs952804   | T | C | 0.3259 | 0.1064  | 3.05E-17 | 71  |
| GCST90274771 | rs955370   | T | G | 0.7872 | -0.1902 | 7.85E-40 | 174 |
| GCST90274771 | rs955371   | T | C | 0.2125 | 0.1924  | 3.50E-40 | 176 |
| GCST90274771 | rs959047   | A | C | 0.6739 | -0.1063 | 3.27E-17 | 71  |
| GCST90274771 | rs578608   | A | G | 0.5464 | -0.1923 | 6.07E-65 | 290 |
| GCST90274771 | rs579589   | T | C | 0.6928 | -0.1374 | 9.75E-26 | 110 |
| GCST90274771 | rs579821   | A | G | 0.7005 | 0.0883  | 1.62E-12 | 50  |
| GCST90274771 | rs58418513 | T | C | 0.7889 | -0.1923 | 3.84E-40 | 176 |
| GCST90274771 | rs58464105 | A | G | 0.9923 | -0.675  | 3.10E-09 | 35  |
| GCST90274771 | rs11513729 | T | C | 0.412  | 0.0834  | 8.14E-12 | 47  |
| GCST90274771 | rs11577684 | C | G | 0.6528 | -0.0705 | 1.30E-08 | 32  |
| GCST90274771 | rs11578322 | A | C | 0.1633 | 0.0936  | 1.41E-08 | 32  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274771 | rs11578752  | T | C | 0.6552 | -0.0997 | 1.51E-15 | 64  |
| GCST90274771 | rs11582702  | T | C | 0.2981 | -0.0905 | 2.29E-12 | 49  |
| GCST90274771 | rs11582719  | T | C | 0.5463 | -0.1942 | 4.51E-65 | 290 |
| GCST90274771 | rs11585274  | A | C | 0.3355 | 0.0768  | 8.05E-10 | 38  |
| GCST90274771 | rs115868021 | C | G | 0.994  | 1.358   | 8.88E-34 | 147 |
| GCST90274771 | rs61802166  | A | G | 0.1101 | 0.1127  | 1.12E-09 | 37  |
| GCST90274771 | rs61803260  | A | G | 0.0932 | 0.2351  | 1.27E-29 | 128 |
| GCST90274771 | rs61803263  | T | C | 0.2159 | 0.1941  | 5.76E-42 | 184 |
| GCST90274771 | rs61803285  | T | C | 0.7882 | -0.1916 | 2.15E-40 | 177 |
| GCST90274771 | rs61803286  | T | C | 0.0831 | 0.2303  | 2.60E-26 | 113 |
| GCST90274771 | rs61804398  | A | G | 0.1272 | 0.1667  | 1.31E-19 | 82  |
| GCST90274771 | rs61804399  | T | C | 0.1301 | 0.1671  | 6.78E-20 | 83  |
| GCST90274771 | rs6427544   | A | G | 0.6896 | -0.1281 | 1.41E-23 | 100 |
| GCST90274771 | rs6427545   | A | G | 0.6892 | -0.1294 | 5.02E-24 | 102 |
| GCST90274771 | rs6427550   | A | G | 0.3234 | 0.0997  | 6.57E-14 | 56  |
| GCST90274771 | rs6427551   | C | G | 0.3266 | 0.0859  | 9.27E-12 | 46  |
| GCST90274771 | rs6427552   | T | C | 0.6784 | -0.0825 | 5.85E-11 | 43  |
| GCST90274771 | rs6427553   | T | C | 0.6714 | -0.0878 | 2.16E-12 | 49  |
| GCST90274771 | rs10443910  | A | C | 0.6674 | -0.0748 | 2.18E-09 | 36  |
| GCST90274771 | rs10774624  | A | G | 0.5204 | -0.1119 | 1.90E-16 | 68  |
| GCST90274771 | rs10774625  | A | G | 0.4897 | 0.1119  | 2.29E-18 | 76  |
| GCST90274771 | rs10797087  | A | G | 0.3402 | 0.0847  | 8.45E-12 | 47  |
| GCST90274771 | rs10797088  | T | C | 0.6669 | -0.0745 | 2.52E-09 | 36  |
| GCST90274771 | rs10849925  | A | G | 0.6437 | -0.0686 | 3.16E-08 | 31  |
| GCST90274771 | rs10908806  | T | G | 0.3106 | 0.1271  | 3.09E-23 | 99  |
| GCST90274771 | rs10908807  | A | G | 0.2124 | 0.1903  | 2.39E-39 | 172 |
| GCST90274771 | rs10908808  | A | G | 0.3285 | 0.0863  | 1.63E-10 | 41  |
| GCST90274771 | rs10908809  | A | G | 0.3412 | 0.0804  | 8.94E-11 | 42  |
| GCST90274771 | rs10908810  | A | G | 0.6538 | -0.0882 | 7.46E-13 | 51  |
| GCST90274771 | rs10908811  | A | G | 0.3406 | 0.0846  | 8.94E-12 | 47  |
| GCST90274771 | rs10908812  | A | G | 0.66   | -0.0845 | 9.46E-12 | 46  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274771 | rs10908813  | A | G | 0.3349 | 0.0726  | 1.97E-09 | 36  |
| GCST90274771 | rs11065822  | T | G | 0.361  | 0.0718  | 1.57E-08 | 32  |
| GCST90274771 | rs11065979  | T | C | 0.4314 | 0.0963  | 5.85E-16 | 65  |
| GCST90274771 | rs11065987  | A | G | 0.5829 | -0.0907 | 2.50E-14 | 58  |
| GCST90274771 | rs11065991  | T | C | 0.4163 | 0.0893  | 6.18E-14 | 56  |
| GCST90274771 | rs11066188  | A | G | 0.4167 | 0.0954  | 3.32E-12 | 48  |
| GCST90274771 | rs11066283  | A | G | 0.5886 | -0.0807 | 1.08E-10 | 42  |
| GCST90274771 | rs11066309  | A | G | 0.4176 | 0.0916  | 2.29E-11 | 45  |
| GCST90274771 | rs111072793 | A | C | 0.2013 | 0.0877  | 1.53E-08 | 32  |
| GCST90274771 | rs111352912 | A | G | 0.0076 | 0.6843  | 1.60E-09 | 36  |
| GCST90274771 | rs111665227 | T | G | 0.1154 | -0.1157 | 7.54E-10 | 38  |
| GCST90274771 | rs111849547 | A | G | 0.8827 | 0.1089  | 5.76E-09 | 34  |
| GCST90274771 | rs112211905 | A | C | 0.9517 | -0.2852 | 1.58E-24 | 104 |
| GCST90274771 | rs11265473  | T | G | 0.7131 | 0.0933  | 2.04E-13 | 54  |
| GCST90274771 | rs11265474  | T | G | 0.3021 | -0.0844 | 1.48E-08 | 32  |
| GCST90274771 | rs11265475  | C | G | 0.1372 | 0.1052  | 9.58E-10 | 37  |
| GCST90274771 | rs11265484  | A | G | 0.6915 | -0.1256 | 9.95E-23 | 96  |
| GCST90274771 | rs11265485  | T | C | 0.6888 | -0.1275 | 2.26E-23 | 99  |
| GCST90274771 | rs11265492  | A | G | 0.2173 | -0.0843 | 1.00E-09 | 37  |
| GCST90274771 | rs11265493  | A | G | 0.4066 | 0.2122  | 3.99E-71 | 318 |
| GCST90274771 | rs11265496  | T | C | 0.5466 | -0.193  | 2.10E-65 | 292 |
| GCST90274771 | rs11265498  | T | C | 0.2202 | 0.1966  | 1.36E-43 | 192 |
| GCST90274771 | rs11265499  | A | G | 0.2029 | 0.2008  | 7.24E-41 | 179 |
| GCST90274771 | rs11265500  | A | G | 0.7855 | -0.1949 | 9.76E-42 | 183 |
| GCST90274771 | rs11265501  | A | G | 0.2122 | 0.1893  | 5.94E-39 | 170 |
| GCST90274771 | rs11265502  | A | G | 0.8889 | -0.1268 | 4.00E-11 | 44  |
| GCST90274771 | rs11265503  | A | G | 0.4129 | -0.139  | 1.52E-30 | 132 |
| GCST90274771 | rs11265504  | T | C | 0.3211 | 0.1021  | 9.03E-16 | 65  |
| GCST90274771 | rs11265510  | A | G | 0.3488 | 0.0904  | 1.99E-13 | 54  |
| GCST90274771 | rs11265514  | A | G | 0.6539 | -0.0893 | 3.87E-13 | 53  |
| GCST90274771 | rs11265516  | T | C | 0.3404 | 0.0854  | 5.69E-12 | 47  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274771 | rs11265517 | T | C | 0.5965 | 0.1192  | 6.77E-23 | 97  |
| GCST90274771 | rs56296294 | C | G | 0.6923 | -0.1293 | 1.96E-21 | 90  |
| GCST90274771 | rs563781   | T | C | 0.3491 | -0.1108 | 4.05E-19 | 80  |
| GCST90274771 | rs564833   | C | G | 0.6761 | 0.0895  | 2.20E-13 | 54  |
| GCST90274771 | rs12040750 | T | G | 0.212  | 0.1875  | 3.01E-38 | 167 |
| GCST90274771 | rs12041508 | A | T | 0.6748 | -0.1069 | 2.17E-17 | 72  |
| GCST90274771 | rs12046019 | C | G | 0.8015 | -0.1998 | 1.82E-39 | 173 |
| GCST90274771 | rs12046021 | T | C | 0.2039 | 0.1969  | 7.21E-40 | 175 |
| GCST90274771 | rs12047127 | T | C | 0.216  | 0.1933  | 1.23E-41 | 183 |
| GCST90274771 | rs12048113 | T | C | 0.2173 | 0.1949  | 2.68E-42 | 186 |
| GCST90274771 | rs12061248 | T | C | 0.9931 | -0.6629 | 5.71E-09 | 34  |
| GCST90274771 | rs12061252 | T | C | 0.992  | -0.7486 | 6.00E-11 | 43  |
| GCST90274771 | rs12064520 | A | T | 0.3238 | -0.0895 | 2.20E-13 | 54  |
| GCST90274771 | rs12067762 | T | G | 0.0109 | 0.4232  | 1.60E-08 | 32  |
| GCST90274771 | rs12068654 | T | G | 0.7025 | 0.0885  | 2.16E-12 | 49  |
| GCST90274771 | rs12072399 | A | T | 0.3038 | 0.1369  | 3.40E-23 | 98  |
| GCST90274771 | rs12075167 | A | G | 0.6673 | -0.0757 | 1.40E-09 | 37  |
| GCST90274771 | rs12082740 | C | G | 0.7037 | 0.0883  | 2.42E-12 | 49  |
| GCST90274771 | rs12117689 | T | C | 0.2187 | -0.0843 | 7.59E-10 | 38  |
| GCST90274771 | rs12120343 | T | C | 0.3499 | 0.0908  | 1.56E-13 | 54  |
| GCST90274771 | rs12125065 | T | C | 0.3333 | 0.0765  | 9.36E-10 | 37  |
| GCST90274771 | rs12128261 | T | G | 0.7838 | 0.0791  | 3.18E-08 | 31  |
| GCST90274771 | rs12135639 | T | C | 0.6493 | -0.0861 | 2.56E-12 | 49  |
| GCST90274771 | rs12143580 | C | G | 0.2173 | -0.0843 | 1.00E-09 | 37  |
| GCST90274771 | rs12401813 | A | C | 0.656  | -0.0693 | 2.96E-08 | 31  |
| GCST90274771 | rs12409609 | T | C | 0.3269 | 0.0882  | 2.56E-12 | 49  |
| GCST90274771 | rs12566557 | A | C | 0.3218 | 0.106   | 7.03E-17 | 70  |
| GCST90274771 | rs1265564  | A | C | 0.5518 | -0.0807 | 7.26E-10 | 38  |
| GCST90274771 | rs1265565  | T | C | 0.3849 | 0.0834  | 1.20E-11 | 46  |
| GCST90274771 | rs12740520 | A | G | 0.3331 | 0.076   | 1.20E-09 | 37  |
| GCST90274771 | rs12747975 | A | T | 0.303  | 0.1344  | 2.94E-21 | 90  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274771 | rs12945299  | A | G | 0.7997 | -0.0899 | 1.92E-08 | 32  |
| GCST90274771 | rs1328111   | T | G | 0.2986 | -0.0925 | 7.47E-13 | 51  |
| GCST90274771 | rs1333062   | T | G | 0.3265 | 0.0874  | 4.02E-12 | 48  |
| GCST90274771 | rs1333064   | A | G | 0.6853 | -0.1265 | 4.94E-23 | 98  |
| GCST90274771 | rs139071778 | T | C | 0.992  | 0.896   | 8.63E-24 | 101 |
| GCST90274771 | rs140328622 | A | G | 0.9867 | -0.4102 | 1.11E-11 | 46  |
| GCST90274771 | rs140712825 | T | C | 0.6896 | -0.1269 | 3.62E-23 | 98  |
| GCST90274771 | rs56244095  | A | C | 0.2117 | 0.0877  | 2.32E-08 | 31  |
| GCST90274771 | rs56272634  | T | C | 0.6994 | 0.0704  | 2.31E-08 | 31  |
| GCST90274771 | rs56294243  | T | C | 0.1092 | 0.1295  | 2.56E-12 | 49  |
| GCST90274771 | rs146969287 | A | G | 0.9919 | -0.5522 | 4.90E-11 | 43  |
| GCST90274771 | rs148187548 | T | C | 0.0072 | 0.7796  | 3.14E-09 | 35  |
| GCST90274771 | rs148216270 | A | G | 0.6961 | -0.1382 | 1.32E-23 | 100 |
| GCST90274771 | rs150239658 | A | G | 0.6484 | 0.1078  | 5.26E-16 | 66  |
| GCST90274771 | rs151094426 | T | C | 0.304  | 0.133   | 7.52E-21 | 88  |
| GCST90274771 | rs1556517   | A | C | 0.2182 | -0.0831 | 4.85E-09 | 34  |
| GCST90274771 | rs1576964   | A | C | 0.7897 | -0.1937 | 1.06E-40 | 178 |
| GCST90274771 | rs17203281  | A | G | 0.3274 | 0.0742  | 1.19E-09 | 37  |
| GCST90274771 | rs17313034  | T | C | 0.6992 | 0.095   | 2.96E-14 | 58  |
| GCST90274771 | rs17313062  | A | G | 0.7058 | 0.0989  | 4.19E-15 | 62  |
| GCST90274771 | rs17387157  | A | G | 0.6731 | -0.0877 | 3.40E-12 | 48  |
| GCST90274771 | rs17630235  | A | G | 0.4171 | 0.0938  | 7.56E-12 | 47  |
| GCST90274771 | rs180915454 | T | C | 0.0071 | 0.6061  | 1.01E-08 | 33  |
| GCST90274771 | rs1810924   | A | G | 0.6608 | -0.0829 | 2.30E-11 | 45  |
| GCST90274771 | rs181645985 | A | G | 0.0073 | 0.5602  | 3.87E-10 | 39  |
| GCST90274771 | rs1855186   | A | G | 0.6659 | -0.0769 | 7.65E-10 | 38  |
| GCST90274771 | rs1855187   | T | C | 0.3495 | 0.0906  | 1.76E-13 | 54  |
| GCST90274771 | rs1855188   | A | G | 0.7893 | -0.1942 | 1.89E-41 | 182 |
| GCST90274771 | rs1855189   | T | C | 0.211  | 0.1931  | 5.30E-41 | 180 |
| GCST90274771 | rs186021206 | A | G | 0.0094 | 0.6105  | 1.44E-09 | 37  |
| GCST90274771 | rs187925567 | A | G | 0.0073 | -0.8134 | 1.20E-17 | 73  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274771 | rs188952027 | A | T | 0.9935 | 1.0226  | 5.98E-21 | 88  |
| GCST90274771 | rs191690020 | T | C | 0.0063 | 0.7281  | 1.57E-09 | 36  |
| GCST90274771 | rs1930596   | A | G | 0.3372 | 0.0777  | 3.70E-10 | 39  |
| GCST90274771 | rs1930598   | T | G | 0.333  | 0.0753  | 1.70E-09 | 36  |
| GCST90274771 | rs4129196   | T | C | 0.6651 | -0.0822 | 4.83E-11 | 43  |
| GCST90274771 | rs4129197   | T | C | 0.1312 | -0.1286 | 3.72E-13 | 53  |
| GCST90274771 | rs4656271   | A | G | 0.7823 | 0.0839  | 1.20E-09 | 37  |
| GCST90274771 | rs4656277   | A | G | 0.3322 | 0.0768  | 8.05E-10 | 38  |
| GCST90274771 | rs4656281   | A | T | 0.334  | 0.0746  | 2.40E-09 | 36  |
| GCST90274771 | rs4656282   | A | T | 0.3344 | 0.0768  | 8.05E-10 | 38  |
| GCST90274771 | rs4656930   | A | G | 0.3011 | 0.1313  | 3.52E-21 | 89  |
| GCST90274771 | rs4656931   | A | G | 0.6859 | -0.1256 | 1.76E-24 | 104 |
| GCST90274771 | rs4656932   | A | G | 0.2175 | -0.0835 | 1.44E-09 | 37  |
| GCST90274771 | rs4656933   | A | T | 0.221  | -0.0751 | 4.21E-08 | 30  |
| GCST90274771 | rs3818724   | T | C | 0.6715 | -0.0867 | 4.03E-12 | 48  |
| GCST90274771 | rs3820094   | A | G | 0.3218 | 0.0833  | 3.81E-11 | 44  |
| GCST90274771 | rs140978623 | T | C | 0.0403 | 0.2414  | 3.74E-15 | 62  |
| GCST90274771 | rs1412848   | T | C | 0.0064 | 0.7365  | 1.27E-09 | 37  |
| GCST90274771 | rs1412849   | A | G | 0.2079 | 0.1893  | 1.91E-38 | 168 |
| GCST90274771 | rs3856334   | T | C | 0.6826 | -0.1141 | 1.68E-18 | 77  |
| GCST90274771 | rs3953093   | T | C | 0.3326 | 0.0756  | 1.47E-09 | 37  |
| GCST90274771 | rs3953094   | C | G | 0.3371 | 0.0802  | 1.40E-10 | 41  |
| GCST90274771 | rs3953095   | A | G | 0.6652 | -0.0826 | 3.90E-11 | 44  |
| GCST90274771 | rs564883    | A | G | 0.7004 | 0.0907  | 2.05E-12 | 49  |
| GCST90274771 | rs3766378   | A | G | 0.2108 | 0.1962  | 1.03E-41 | 183 |
| GCST90274771 | rs3766379   | T | C | 0.4452 | 0.1936  | 1.49E-58 | 260 |
| GCST90274771 | rs3766381   | T | C | 0.01   | 0.6402  | 2.13E-11 | 45  |
| GCST90274771 | rs4017458   | A | G | 0.665  | -0.1104 | 1.92E-18 | 77  |
| GCST90274771 | rs4017459   | A | G | 0.3224 | 0.1038  | 3.00E-16 | 67  |
| GCST90274771 | rs3826408   | T | C | 0.4772 | 0.0673  | 1.17E-08 | 33  |
| GCST90274771 | rs3828139   | T | C | 0.4677 | 0.0744  | 4.05E-10 | 39  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274771 | rs3845628   | A | G | 0.77   | 0.1048  | 1.58E-13 | 54  |
| GCST90274771 | rs61228387  | A | G | 0.9924 | -0.6667 | 4.67E-09 | 34  |
| GCST90274771 | rs57786919  | A | G | 0.8669 | 0.117   | 2.30E-11 | 45  |
| GCST90274771 | rs4017454   | A | T | 0.6654 | -0.0739 | 3.38E-09 | 35  |
| GCST90274771 | rs4017455   | A | T | 0.3373 | 0.0793  | 3.26E-09 | 35  |
| GCST90274771 | rs4017448   | A | G | 0.674  | -0.1069 | 2.17E-17 | 72  |
| GCST90274771 | rs4017453   | A | T | 0.6656 | -0.0747 | 2.29E-09 | 36  |
| GCST90274771 | rs4017460   | T | C | 0.3262 | 0.1076  | 1.35E-17 | 73  |
| GCST90274771 | rs4017732   | T | G | 0.6918 | 0.1379  | 4.60E-27 | 116 |
| GCST90274771 | rs569932    | T | C | 0.3155 | -0.0905 | 2.91E-13 | 53  |
| GCST90274771 | rs571841    | T | C | 0.4461 | 0.0665  | 7.36E-09 | 33  |
| GCST90274771 | rs59712018  | T | C | 0.7891 | -0.1919 | 5.55E-40 | 175 |
| GCST90274771 | rs574491    | A | G | 0.325  | -0.089  | 2.98E-13 | 53  |
| GCST90274771 | rs60755678  | T | C | 0.549  | -0.1737 | 1.52E-51 | 228 |
| GCST90274771 | rs576115902 | A | T | 0.9604 | -0.2477 | 6.08E-09 | 34  |
| GCST90274771 | rs60719109  | A | G | 0.0077 | 0.6812  | 2.02E-09 | 36  |
| GCST90274771 | rs567306    | T | G | 0.4453 | 0.0661  | 9.04E-09 | 33  |
| GCST90274771 | rs59567799  | A | G | 0.8681 | 0.115   | 6.40E-11 | 43  |
| GCST90274771 | rs57483437  | A | G | 0.2158 | 0.1945  | 3.93E-42 | 185 |
| GCST90274771 | rs575217    | A | T | 0.3081 | 0.1264  | 2.12E-24 | 104 |
| GCST90274771 | rs597808    | A | G | 0.4781 | 0.1196  | 4.44E-19 | 80  |
| GCST90274771 | rs58748862  | A | G | 0.1155 | -0.1284 | 8.50E-12 | 47  |
| GCST90274771 | rs60165377  | T | C | 0.9923 | -0.6781 | 2.46E-09 | 36  |
| GCST90274776 | rs672992    | T | C | 0.5456 | 0.0721  | 2.54E-09 | 36  |
| GCST90274776 | rs72687271  | A | G | 0.0854 | -0.1391 | 3.24E-09 | 35  |
| GCST90274776 | rs10127599  | T | C | 0.3515 | 0.088   | 5.42E-14 | 57  |
| GCST90274776 | rs6696995   | A | G | 0.4137 | 0.1519  | 2.58E-37 | 163 |
| GCST90274776 | rs6675402   | T | C | 0.5047 | -0.0924 | 5.26E-16 | 66  |
| GCST90274776 | rs6677776   | A | T | 0.6154 | 0.1242  | 9.45E-27 | 115 |
| GCST90274776 | rs10127539  | T | C | 0.5912 | 0.095   | 7.86E-17 | 69  |
| GCST90274776 | rs6674413   | T | C | 0.5957 | 0.0979  | 1.69E-17 | 72  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274776 | rs729244   | A | G | 0.6503 | -0.0968 | 3.55E-15 | 62  |
| GCST90274776 | rs7364503  | A | G | 0.3964 | 0.0953  | 6.19E-14 | 56  |
| GCST90274776 | rs7364724  | A | G | 0.394  | 0.0947  | 5.02E-15 | 61  |
| GCST90274776 | rs9429768  | A | G | 0.706  | -0.0826 | 2.10E-10 | 40  |
| GCST90274776 | rs6537889  | T | G | 0.364  | 0.1203  | 1.37E-22 | 96  |
| GCST90274776 | rs6537890  | T | C | 0.6111 | 0.1216  | 1.04E-25 | 110 |
| GCST90274776 | rs666842   | T | C | 0.4108 | -0.1117 | 6.20E-21 | 88  |
| GCST90274776 | rs915357   | A | G | 0.5534 | 0.0923  | 8.74E-15 | 60  |
| GCST90274776 | rs12142041 | T | C | 0.9245 | -0.1679 | 2.64E-12 | 49  |
| GCST90274776 | rs12143283 | A | C | 0.65   | -0.0959 | 6.35E-15 | 61  |
| GCST90274776 | rs10127659 | A | C | 0.6482 | -0.0871 | 9.74E-14 | 55  |
| GCST90274776 | rs1058885  | T | C | 0.6389 | -0.1369 | 3.20E-29 | 126 |
| GCST90274776 | rs10745307 | A | G | 0.5523 | 0.1214  | 1.95E-24 | 104 |
| GCST90274776 | rs7417586  | A | G | 0.1833 | 0.156   | 2.06E-24 | 104 |
| GCST90274776 | rs7513284  | T | C | 0.394  | 0.0943  | 6.52E-15 | 61  |
| GCST90274776 | rs751387   | T | G | 0.4002 | -0.1064 | 3.85E-19 | 80  |
| GCST90274776 | rs12137237 | A | C | 0.4032 | -0.0996 | 2.40E-18 | 76  |
| GCST90274776 | rs7526755  | T | G | 0.4949 | 0.0918  | 8.10E-16 | 65  |
| GCST90274776 | rs7526756  | T | C | 0.4949 | 0.092   | 7.02E-16 | 65  |
| GCST90274776 | rs7531202  | A | C | 0.4097 | -0.0952 | 6.78E-17 | 70  |
| GCST90274776 | rs7533623  | T | C | 0.4038 | -0.1    | 1.76E-18 | 77  |
| GCST90274776 | rs7540934  | A | G | 0.409  | -0.1219 | 1.26E-24 | 105 |
| GCST90274776 | rs7364985  | A | T | 0.5912 | 0.1126  | 1.23E-22 | 96  |
| GCST90274776 | rs7365459  | T | G | 0.5017 | 0.0886  | 7.73E-15 | 60  |
| GCST90274776 | rs7367104  | A | G | 0.1807 | 0.1578  | 3.63E-22 | 94  |
| GCST90274776 | rs7367593  | T | C | 0.4085 | -0.1213 | 2.12E-24 | 104 |
| GCST90274776 | rs7555325  | A | G | 0.3938 | 0.0948  | 4.70E-15 | 61  |
| GCST90274776 | rs78839025 | A | C | 0.014  | 0.4382  | 1.44E-08 | 32  |
| GCST90274776 | rs842024   | A | G | 0.6456 | -0.1001 | 1.17E-15 | 64  |
| GCST90274776 | rs904023   | A | G | 0.5944 | 0.1014  | 1.58E-17 | 73  |
| GCST90274776 | rs11589677 | A | G | 0.4056 | -0.1208 | 3.27E-24 | 103 |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274776 | rs12026687 | T | C | 0.3503 | 0.095   | 1.13E-14 | 60  |
| GCST90274776 | rs12042401 | T | C | 0.4079 | -0.1008 | 9.39E-19 | 78  |
| GCST90274776 | rs12045016 | A | C | 0.4946 | 0.0925  | 4.90E-16 | 66  |
| GCST90274776 | rs12089727 | T | C | 0.1067 | 0.1105  | 1.23E-08 | 32  |
| GCST90274776 | rs12116477 | A | G | 0.3483 | 0.0966  | 6.68E-15 | 61  |
| GCST90274776 | rs12122130 | T | C | 0.3497 | 0.0966  | 4.04E-15 | 62  |
| GCST90274776 | rs12124382 | T | C | 0.0704 | 0.1576  | 4.69E-10 | 39  |
| GCST90274776 | rs12132533 | A | G | 0.8115 | -0.148  | 1.11E-22 | 96  |
| GCST90274776 | rs6537887  | T | C | 0.6228 | -0.1262 | 1.81E-25 | 109 |
| GCST90274776 | rs12133405 | A | G | 0.8114 | -0.1478 | 1.27E-22 | 96  |
| GCST90274776 | rs12133506 | C | G | 0.219  | 0.1028  | 1.91E-12 | 50  |
| GCST90274776 | rs12134543 | A | G | 0.8124 | -0.1483 | 9.13E-23 | 96  |
| GCST90274776 | rs333952   | A | G | 0.3614 | 0.0723  | 9.57E-09 | 33  |
| GCST90274776 | rs333968   | T | C | 0.8886 | -0.1141 | 2.32E-09 | 36  |
| GCST90274776 | rs333970   | A | C | 0.6045 | -0.1483 | 1.20E-35 | 155 |
| GCST90274776 | rs333974   | A | G | 0.5493 | -0.0959 | 7.70E-16 | 65  |
| GCST90274776 | rs34516879 | A | G | 0.9285 | -0.1739 | 1.56E-12 | 50  |
| GCST90274776 | rs34762282 | A | G | 0.4455 | -0.1202 | 5.48E-24 | 102 |
| GCST90274776 | rs10745308 | A | C | 0.4126 | -0.1122 | 4.16E-21 | 89  |
| GCST90274776 | rs1077580  | A | G | 0.4    | -0.107  | 2.44E-19 | 81  |
| GCST90274776 | rs1077581  | C | G | 0.4    | -0.1074 | 1.79E-19 | 81  |
| GCST90274776 | rs10857804 | T | C | 0.6061 | -0.0951 | 3.86E-15 | 62  |
| GCST90274776 | rs10857805 | A | T | 0.6058 | -0.0942 | 6.96E-15 | 61  |
| GCST90274776 | rs10857806 | A | G | 0.5931 | 0.114   | 3.65E-23 | 98  |
| GCST90274776 | rs10857807 | T | C | 0.4063 | -0.1148 | 1.82E-23 | 100 |
| GCST90274776 | rs7514385  | C | G | 0.5928 | 0.1127  | 1.31E-18 | 78  |
| GCST90274776 | rs10857812 | A | T | 0.3547 | 0.095   | 6.87E-15 | 61  |
| GCST90274776 | rs11102034 | A | G | 0.4073 | -0.1148 | 1.82E-23 | 100 |
| GCST90274776 | rs11102036 | T | C | 0.6126 | 0.1225  | 1.70E-26 | 113 |
| GCST90274776 | rs11102041 | T | C | 0.5857 | -0.1494 | 1.40E-35 | 155 |
| GCST90274776 | rs11102050 | A | C | 0.398  | -0.0972 | 1.51E-17 | 73  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274776 | rs7544953  | T | C | 0.4773 | 0.1651  | 1.76E-44 | 196 |
| GCST90274776 | rs7545124  | A | G | 0.62   | 0.1082  | 1.41E-18 | 77  |
| GCST90274776 | rs7545139  | A | G | 0.5782 | 0.0997  | 5.38E-17 | 70  |
| GCST90274776 | rs7548588  | T | C | 0.5822 | 0.1161  | 1.73E-22 | 95  |
| GCST90274776 | rs11578891 | A | C | 0.3877 | -0.1218 | 3.27E-26 | 112 |
| GCST90274776 | rs11579145 | A | G | 0.5174 | -0.1657 | 1.57E-45 | 201 |
| GCST90274776 | rs11588387 | T | C | 0.0876 | -0.1268 | 3.53E-08 | 30  |
| GCST90274776 | rs11589393 | A | G | 0.6129 | 0.1223  | 5.47E-26 | 111 |
| GCST90274776 | rs61785481 | A | G | 0.4108 | 0.141   | 1.47E-34 | 150 |
| GCST90274776 | rs61785483 | A | G | 0.5884 | -0.1503 | 5.45E-36 | 157 |
| GCST90274776 | rs61785488 | A | G | 0.7735 | 0.0964  | 4.04E-11 | 44  |
| GCST90274776 | rs61785513 | A | G | 0.7765 | 0.0948  | 1.13E-10 | 42  |
| GCST90274776 | rs61785517 | A | C | 0.8639 | -0.1195 | 1.46E-11 | 46  |
| GCST90274776 | rs628734   | A | G | 0.4963 | -0.0667 | 2.72E-08 | 31  |
| GCST90274776 | rs629711   | T | C | 0.5035 | 0.0667  | 2.72E-08 | 31  |
| GCST90274776 | rs6537651  | A | G | 0.4036 | -0.1013 | 6.34E-19 | 79  |
| GCST90274776 | rs6537886  | A | G | 0.181  | 0.1567  | 1.29E-24 | 105 |
| GCST90274776 | rs333074   | T | C | 0.6462 | -0.0963 | 2.94E-15 | 62  |
| GCST90274776 | rs333077   | T | C | 0.6488 | -0.0986 | 1.09E-15 | 64  |
| GCST90274776 | rs333078   | A | C | 0.3505 | 0.0969  | 3.33E-15 | 62  |
| GCST90274776 | rs333079   | A | G | 0.6574 | -0.1032 | 8.61E-17 | 69  |
| GCST90274776 | rs10857811 | T | G | 0.4096 | -0.0953 | 6.29E-17 | 70  |
| GCST90274776 | rs481420   | C | G | 0.3981 | -0.1066 | 6.49E-19 | 79  |
| GCST90274776 | rs4838890  | T | C | 0.591  | 0.0949  | 8.46E-17 | 69  |
| GCST90274776 | rs4839103  | A | G | 0.5916 | 0.0953  | 6.29E-17 | 70  |
| GCST90274776 | rs12239819 | A | G | 0.8167 | -0.1554 | 3.09E-24 | 103 |
| GCST90274776 | rs12239977 | T | G | 0.1812 | 0.1568  | 2.39E-24 | 104 |
| GCST90274776 | rs36027036 | T | C | 0.3768 | -0.1165 | 8.90E-20 | 83  |
| GCST90274776 | rs3754439  | A | G | 0.4064 | -0.1087 | 2.62E-19 | 81  |
| GCST90274776 | rs3754440  | A | G | 0.5989 | 0.0994  | 2.80E-18 | 76  |
| GCST90274776 | rs3754442  | T | C | 0.5989 | 0.0996  | 2.40E-18 | 76  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274776 | rs3754443   | T | G | 0.3993 | -0.1068 | 5.58E-19 | 79  |
| GCST90274776 | rs3768469   | A | G | 0.5907 | 0.0953  | 6.29E-17 | 70  |
| GCST90274776 | rs3768470   | A | G | 0.4008 | -0.0998 | 2.05E-18 | 77  |
| GCST90274776 | rs61785479  | C | G | 0.1817 | 0.1579  | 1.62E-23 | 100 |
| GCST90274776 | rs2089144   | T | C | 0.1825 | 0.1566  | 1.38E-24 | 105 |
| GCST90274776 | rs2225767   | T | C | 0.4828 | 0.1661  | 5.31E-45 | 198 |
| GCST90274776 | rs2274568   | A | G | 0.5889 | 0.0921  | 6.53E-16 | 65  |
| GCST90274776 | rs4839568   | T | C | 0.3497 | 0.0985  | 1.16E-15 | 64  |
| GCST90274776 | rs501943    | A | G | 0.644  | -0.1003 | 3.51E-16 | 66  |
| GCST90274776 | rs11102051  | T | C | 0.351  | 0.0897  | 2.92E-14 | 58  |
| GCST90274776 | rs11102052  | A | T | 0.6506 | -0.0959 | 6.35E-15 | 61  |
| GCST90274776 | rs111610011 | A | C | 0.5919 | 0.1227  | 1.47E-20 | 86  |
| GCST90274776 | rs11577194  | T | C | 0.4747 | 0.166   | 1.09E-45 | 201 |
| GCST90274776 | rs61030133  | T | C | 0.6473 | -0.0985 | 4.40E-13 | 52  |
| GCST90274776 | rs617126    | T | G | 0.4964 | -0.0664 | 3.14E-08 | 31  |
| GCST90274776 | rs617477    | T | C | 0.4964 | -0.0655 | 4.81E-08 | 30  |
| GCST90274776 | rs1466788   | A | G | 0.4084 | -0.0946 | 1.06E-16 | 69  |
| GCST90274776 | rs390923    | A | G | 0.5869 | -0.1355 | 1.44E-29 | 128 |
| GCST90274776 | rs2085134   | C | G | 0.5967 | 0.0995  | 2.59E-18 | 76  |
| GCST90274776 | rs167985    | A | G | 0.3509 | 0.0966  | 4.04E-15 | 62  |
| GCST90274776 | rs2360635   | A | G | 0.3316 | 0.0911  | 2.03E-13 | 54  |
| GCST90274776 | rs2360636   | T | C | 0.5896 | 0.0977  | 2.21E-16 | 67  |
| GCST90274776 | rs3093037   | T | C | 0.1729 | 0.1601  | 1.04E-24 | 105 |
| GCST90274776 | rs3093040   | A | G | 0.3824 | -0.1301 | 1.50E-26 | 114 |
| GCST90274776 | rs3093041   | T | C | 0.3699 | -0.127  | 5.42E-25 | 107 |
| GCST90274776 | rs3093044   | A | G | 0.1062 | 0.1154  | 3.91E-09 | 35  |
| GCST90274776 | rs3138072   | A | C | 0.1719 | 0.1619  | 6.21E-25 | 106 |
| GCST90274776 | rs333076    | T | C | 0.6494 | -0.098  | 1.62E-15 | 63  |
| GCST90274776 | rs1390955   | C | G | 0.5965 | 0.1     | 1.76E-18 | 77  |
| GCST90274776 | rs1965990   | A | G | 0.408  | -0.1016 | 5.00E-19 | 79  |
| GCST90274776 | rs2050462   | T | G | 0.624  | -0.1194 | 5.74E-23 | 97  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274776 | rs17668350  | T | C | 0.9292 | -0.1715 | 2.56E-12 | 49  |
| GCST90274776 | rs533847    | T | C | 0.3972 | -0.1036 | 1.11E-17 | 73  |
| GCST90274776 | rs17610659  | T | C | 0.4821 | 0.1684  | 3.31E-46 | 204 |
| GCST90274776 | rs17661447  | A | G | 0.3769 | -0.1341 | 4.18E-28 | 121 |
| GCST90274776 | rs12751930  | A | G | 0.1883 | 0.1481  | 1.04E-22 | 96  |
| GCST90274776 | rs1390954   | T | C | 0.5964 | 0.1033  | 7.41E-18 | 74  |
| GCST90274776 | rs12723805  | A | G | 0.1827 | 0.1545  | 5.64E-24 | 102 |
| GCST90274776 | rs12736201  | T | G | 0.3516 | 0.0884  | 4.17E-14 | 57  |
| GCST90274776 | rs56124226  | A | G | 0.4083 | -0.1214 | 1.95E-24 | 104 |
| GCST90274776 | rs56271026  | T | C | 0.5962 | 0.1142  | 3.07E-23 | 99  |
| GCST90274776 | rs598158    | T | C | 0.4031 | -0.0979 | 5.92E-16 | 65  |
| GCST90274776 | rs1889717   | A | G | 0.5056 | -0.0925 | 2.10E-14 | 58  |
| GCST90274776 | rs182277156 | A | G | 0.9966 | 0.9492  | 3.49E-09 | 35  |
| GCST90274776 | rs57304208  | A | C | 0.6126 | 0.1226  | 1.55E-26 | 114 |
| GCST90274776 | rs536795    | C | G | 0.3506 | 0.0974  | 2.40E-15 | 63  |
| GCST90274776 | rs186724    | T | C | 0.2183 | 0.1004  | 3.12E-12 | 49  |
| GCST90274776 | rs1889716   | T | C | 0.5049 | -0.0904 | 2.19E-15 | 63  |
| GCST90274776 | rs1869596   | A | G | 0.5964 | 0.0988  | 4.45E-18 | 75  |
| GCST90274779 | rs7658970   | T | C | 0.2925 | 0.1612  | 2.29E-36 | 159 |
| GCST90274779 | rs79493598  | T | C | 0.0404 | 0.4956  | 3.91E-60 | 268 |
| GCST90274779 | rs352029    | A | G | 0.895  | 0.1096  | 1.61E-08 | 32  |
| GCST90274779 | rs7656335   | C | G | 0.0489 | 0.4947  | 2.41E-70 | 314 |
| GCST90274779 | rs3117600   | A | G | 0.6919 | -0.2624 | 2.17E-99 | 448 |
| GCST90274779 | rs76595330  | T | G | 0.9491 | -0.4519 | 1.52E-61 | 274 |
| GCST90274779 | rs442155    | A | G | 0.8957 | 0.1162  | 1.43E-09 | 37  |
| GCST90274779 | rs7666671   | A | G | 0.0513 | 0.4515  | 7.05E-62 | 276 |
| GCST90274779 | rs79264474  | T | C | 0.9923 | -0.6144 | 9.75E-10 | 37  |
| GCST90274779 | rs79472060  | A | G | 0.0541 | 0.4207  | 2.42E-56 | 250 |
| GCST90274779 | rs352024    | T | G | 0.1045 | -0.1132 | 6.43E-09 | 34  |
| GCST90274779 | rs4422395   | T | C | 0.1849 | 0.219   | 6.64E-49 | 216 |
| GCST90274779 | rs79981249  | T | C | 0.949  | -0.4529 | 2.99E-62 | 277 |

|              |            |   |   |        |         |           |     |
|--------------|------------|---|---|--------|---------|-----------|-----|
| GCST90274779 | rs4392479  | T | C | 0.1669 | 0.1092  | 3.52E-12  | 48  |
| GCST90274779 | rs3117603  | A | T | 0.7178 | -0.2497 | 2.01E-61  | 273 |
| GCST90274779 | rs352026   | A | G | 0.1045 | -0.1128 | 6.08E-09  | 34  |
| GCST90274779 | rs352027   | A | C | 0.8951 | 0.11    | 1.43E-08  | 32  |
| GCST90274779 | rs79189251 | A | G | 0.0191 | 0.2687  | 2.17E-08  | 31  |
| GCST90274779 | rs434988   | A | G | 0.8955 | 0.1127  | 6.27E-09  | 34  |
| GCST90274779 | rs353042   | A | T | 0.9448 | -0.43   | 1.20E-59  | 265 |
| GCST90274779 | rs3756072  | A | G | 0.1654 | 0.1022  | 7.54E-11  | 42  |
| GCST90274779 | rs3117602  | A | C | 0.0487 | 0.4927  | 2.79E-70  | 314 |
| GCST90274779 | rs10015342 | A | T | 0.1641 | 0.1032  | 8.55E-11  | 42  |
| GCST90274779 | rs352036   | T | C | 0.9441 | -0.4237 | 2.91E-59  | 264 |
| GCST90274779 | rs7674809  | T | C | 0.2279 | 0.3064  | 4.87E-114 | 515 |
| GCST90274779 | rs941757   | C | G | 0.2922 | 0.1634  | 6.98E-38  | 166 |
| GCST90274779 | rs7688774  | T | C | 0.833  | -0.1084 | 5.04E-12  | 48  |
| GCST90274779 | rs78267059 | A | G | 0.0509 | 0.4507  | 1.15E-61  | 275 |
| GCST90274779 | rs75019946 | A | G | 0.0417 | 0.5275  | 2.56E-68  | 305 |
| GCST90274779 | rs76797395 | T | C | 0.0426 | 0.5164  | 7.79E-67  | 298 |
| GCST90274779 | rs78636581 | A | G | 0.0132 | 0.3985  | 5.39E-10  | 39  |
| GCST90274779 | rs76212893 | A | C | 0.0479 | 0.506   | 1.71E-72  | 324 |
| GCST90274779 | rs3111698  | A | C | 0.7318 | -0.2831 | 9.51E-107 | 482 |
| GCST90274779 | rs75078633 | T | C | 0.0075 | 0.6486  | 1.53E-10  | 41  |
| GCST90274779 | rs75158139 | T | C | 0.054  | 0.4276  | 5.30E-59  | 262 |
| GCST90274779 | rs872914   | A | G | 0.7079 | -0.1613 | 5.85E-37  | 161 |
| GCST90274779 | rs7692638  | C | G | 0.7525 | -0.2921 | 6.59E-107 | 482 |
| GCST90274779 | rs80127839 | A | C | 0.9458 | -0.42   | 1.43E-56  | 251 |
| GCST90274779 | rs863004   | T | C | 0.3809 | 0.0661  | 2.78E-08  | 31  |
| GCST90274779 | rs77302034 | A | G | 0.0491 | 0.486   | 1.96E-68  | 306 |
| GCST90274779 | rs416176   | T | G | 0.8961 | 0.1116  | 1.24E-08  | 32  |
| GCST90274779 | rs352018   | T | C | 0.1046 | -0.1134 | 6.05E-09  | 34  |
| GCST90274779 | rs352023   | A | T | 0.8955 | 0.1134  | 6.05E-09  | 34  |
| GCST90274779 | rs10007249 | T | C | 0.055  | 0.4315  | 4.75E-60  | 267 |

|              |             |   |   |        |         |           |     |
|--------------|-------------|---|---|--------|---------|-----------|-----|
| GCST90274779 | rs10007826  | C | G | 0.7631 | -0.3125 | 2.72E-120 | 544 |
| GCST90274779 | rs1429638   | A | C | 0.1834 | 0.2209  | 4.35E-49  | 217 |
| GCST90274779 | rs3117597   | T | C | 0.6918 | -0.2619 | 1.33E-100 | 453 |
| GCST90274779 | rs3117604   | T | C | 0.6904 | -0.2746 | 2.67E-105 | 475 |
| GCST90274779 | rs34110034  | T | C | 0.9698 | -0.5006 | 8.25E-43  | 188 |
| GCST90274779 | rs34858592  | A | G | 0.8709 | 0.1186  | 1.74E-09  | 36  |
| GCST90274779 | rs7695652   | T | C | 0.1677 | 0.1107  | 1.78E-12  | 50  |
| GCST90274779 | rs77149208  | A | C | 0.0514 | 0.4506  | 4.42E-62  | 276 |
| GCST90274779 | rs352010    | A | G | 0.1136 | -0.1079 | 6.59E-09  | 34  |
| GCST90274779 | rs352013    | T | C | 0.1046 | -0.1132 | 6.43E-09  | 34  |
| GCST90274779 | rs353041    | A | G | 0.9468 | -0.4004 | 5.80E-42  | 184 |
| GCST90274779 | rs10938105  | A | C | 0.8228 | -0.0863 | 3.87E-08  | 30  |
| GCST90274779 | rs114110401 | A | T | 0.0071 | 0.6993  | 1.34E-14  | 59  |
| GCST90274779 | rs11508014  | A | G | 0.9458 | -0.4191 | 2.45E-56  | 250 |
| GCST90274779 | rs941758    | A | C | 0.7072 | -0.1636 | 5.69E-38  | 166 |
| GCST90274779 | rs10017182  | A | G | 0.822  | -0.0856 | 4.97E-08  | 30  |
| GCST90274779 | rs353028    | T | C | 0.0558 | 0.4291  | 2.75E-60  | 268 |
| GCST90274779 | rs353029    | T | C | 0.0551 | 0.4301  | 1.13E-59  | 265 |
| GCST90274779 | rs353031    | T | C | 0.9456 | -0.3902 | 1.15E-42  | 187 |
| GCST90274779 | rs351997    | A | G | 0.1052 | -0.1118 | 9.85E-09  | 33  |
| GCST90274779 | rs7695276   | T | C | 0.1691 | 0.1105  | 1.41E-12  | 50  |
| GCST90274779 | rs4082827   | T | G | 0.0537 | 0.4269  | 2.19E-58  | 260 |
| GCST90274779 | rs416046    | A | G | 0.0827 | -0.1249 | 7.36E-09  | 33  |
| GCST90274779 | rs11574452  | A | C | 0.0481 | 0.421   | 4.78E-49  | 217 |
| GCST90274779 | rs115959394 | T | G | 0.9459 | -0.4268 | 8.67E-59  | 261 |
| GCST90274779 | rs116152597 | C | G | 0.9877 | -0.4896 | 1.86E-12  | 50  |
| GCST90274779 | rs116254820 | A | G | 0.0515 | 0.453   | 2.81E-62  | 277 |
| GCST90274779 | rs11723868  | A | G | 0.9753 | -0.2234 | 3.75E-08  | 30  |
| GCST90274779 | rs11735580  | A | G | 0.1658 | 0.102   | 1.08E-10  | 42  |
| GCST90274779 | rs447206    | A | G | 0.1036 | -0.1154 | 2.24E-09  | 36  |
| GCST90274779 | rs3117598   | T | G | 0.3075 | 0.2625  | 1.83E-99  | 448 |

|              |             |   |   |        |         |           |     |
|--------------|-------------|---|---|--------|---------|-----------|-----|
| GCST90274779 | rs3111697   | T | C | 0.2589 | 0.2939  | 6.77E-115 | 519 |
| GCST90274779 | rs9291189   | T | G | 0.8249 | -0.0862 | 4.88E-08  | 30  |
| GCST90274779 | rs938094    | C | G | 0.9479 | -0.4493 | 9.83E-62  | 275 |
| GCST90274779 | rs352007    | C | G | 0.8899 | 0.1063  | 1.31E-08  | 32  |
| GCST90274779 | rs352009    | A | G | 0.8935 | 0.1039  | 3.86E-08  | 30  |
| GCST90274779 | rs4694653   | A | G | 0.8927 | 0.1086  | 1.55E-08  | 32  |
| GCST90274779 | rs1366946   | T | C | 0.7638 | -0.3134 | 5.65E-121 | 547 |
| GCST90274779 | rs1366949   | T | G | 0.7634 | -0.3134 | 5.65E-121 | 547 |
| GCST90274779 | rs138787584 | A | G | 0.9936 | -0.7208 | 5.43E-11  | 43  |
| GCST90274779 | rs1429637   | T | C | 0.0537 | 0.4235  | 1.73E-57  | 255 |
| GCST90274779 | rs625837    | T | C | 0.7916 | -0.205  | 5.47E-46  | 203 |
| GCST90274779 | rs629315    | T | C | 0.0535 | 0.4418  | 1.69E-61  | 274 |
| GCST90274779 | rs10020344  | T | C | 0.1851 | 0.2174  | 3.22E-48  | 213 |
| GCST90274779 | rs10021230  | A | T | 0.229  | 0.3038  | 3.82E-112 | 506 |
| GCST90274779 | rs4694180   | T | C | 0.1776 | 0.0864  | 3.73E-08  | 30  |
| GCST90274779 | rs4694641   | T | G | 0.4419 | 0.0723  | 2.30E-09  | 36  |
| GCST90274779 | rs353034    | A | G | 0.0537 | 0.443   | 2.82E-62  | 277 |
| GCST90274779 | rs353039    | A | T | 0.0534 | 0.4415  | 2.03E-61  | 273 |
| GCST90274779 | rs353040    | T | C | 0.0546 | 0.3899  | 1.32E-42  | 187 |
| GCST90274779 | rs10518118  | A | C | 0.1853 | 0.2205  | 6.45E-49  | 216 |
| GCST90274779 | rs6813021   | A | G | 0.1758 | 0.0869  | 3.80E-08  | 30  |
| GCST90274779 | rs6813952   | A | C | 0.946  | -0.4238 | 6.38E-56  | 248 |
| GCST90274779 | rs6815457   | A | G | 0.7466 | -0.0803 | 2.07E-09  | 36  |
| GCST90274779 | rs3756074   | C | G | 0.0495 | 0.4112  | 7.96E-49  | 216 |
| GCST90274779 | rs376374078 | T | C | 0.9707 | -0.4695 | 1.63E-31  | 136 |
| GCST90274779 | rs960821    | A | G | 0.0634 | 0.3347  | 4.62E-39  | 171 |
| GCST90274779 | rs9991272   | A | G | 0.2382 | 0.3096  | 4.17E-118 | 534 |
| GCST90274779 | rs10028419  | T | C | 0.7722 | -0.3053 | 1.32E-111 | 504 |
| GCST90274779 | rs353032    | T | C | 0.9455 | -0.3897 | 1.46E-42  | 187 |
| GCST90274779 | rs4074      | A | G | 0.3637 | 0.2059  | 6.64E-64  | 285 |
| GCST90274779 | rs115711101 | T | C | 0.0197 | 0.2947  | 1.63E-10  | 41  |

|              |            |   |   |        |         |           |     |
|--------------|------------|---|---|--------|---------|-----------|-----|
| GCST90274779 | rs11574450 | A | C | 0.9512 | -0.4142 | 3.56E-49  | 217 |
| GCST90274779 | rs74544699 | A | G | 0.9518 | -0.5144 | 7.90E-74  | 330 |
| GCST90274779 | rs74637775 | A | C | 0.0493 | 0.4874  | 8.11E-69  | 307 |
| GCST90274779 | rs3097409  | T | C | 0.7415 | -0.2946 | 1.07E-113 | 514 |
| GCST90274779 | rs3097411  | C | G | 0.7424 | -0.2955 | 2.22E-114 | 517 |
| GCST90274779 | rs3097412  | T | G | 0.2598 | 0.2907  | 1.89E-112 | 508 |
| GCST90274779 | rs193263   | A | T | 0.8935 | 0.104   | 3.74E-08  | 30  |
| GCST90274779 | rs3111692  | A | G | 0.3084 | 0.2613  | 3.75E-100 | 451 |
| GCST90274779 | rs3111693  | A | G | 0.0488 | 0.4895  | 6.95E-70  | 312 |
| GCST90274779 | rs3111694  | A | G | 0.3077 | 0.2627  | 1.30E-99  | 449 |
| GCST90274779 | rs1957078  | A | C | 0.5567 | -0.0732 | 1.06E-09  | 37  |
| GCST90274779 | rs2022736  | A | G | 0.7848 | -0.2054 | 5.93E-45  | 198 |
| GCST90274779 | rs4694644  | A | C | 0.8131 | -0.1822 | 3.88E-31  | 135 |
| GCST90274779 | rs4694649  | T | G | 0.7949 | -0.2061 | 1.83E-46  | 205 |
| GCST90274779 | rs12645462 | A | G | 0.0768 | 0.213   | 2.89E-21  | 90  |
| GCST90274779 | rs13117734 | T | C | 0.1072 | -0.1075 | 2.16E-08  | 31  |
| GCST90274779 | rs13128887 | A | G | 0.8242 | -0.0871 | 3.53E-08  | 30  |
| GCST90274779 | rs13148728 | T | C | 0.5533 | -0.0806 | 3.93E-11  | 44  |
| GCST90274779 | rs4694656  | A | G | 0.8928 | 0.1076  | 2.09E-08  | 31  |
| GCST90274779 | rs4694657  | A | T | 0.8229 | -0.0863 | 3.87E-08  | 30  |
| GCST90274779 | rs4694658  | A | G | 0.1751 | 0.0874  | 3.17E-08  | 31  |
| GCST90274779 | rs634304   | T | G | 0.7479 | -0.2888 | 4.14E-106 | 479 |
| GCST90274779 | rs638767   | A | G | 0.2558 | 0.2884  | 2.06E-107 | 485 |
| GCST90274779 | rs6446973  | A | T | 0.1774 | 0.0858  | 4.63E-08  | 30  |
| GCST90274779 | rs10155140 | T | G | 0.8327 | -0.1131 | 5.85E-13  | 52  |
| GCST90274779 | rs10155486 | A | T | 0.1672 | 0.1101  | 2.34E-12  | 49  |
| GCST90274779 | rs1025596  | C | G | 0.8925 | 0.1086  | 1.55E-08  | 32  |
| GCST90274779 | rs10518117 | A | G | 0.0501 | 0.4876  | 7.57E-70  | 312 |
| GCST90274779 | rs680452   | A | G | 0.7436 | -0.2879 | 4.77E-107 | 483 |
| GCST90274779 | rs1594230  | T | C | 0.106  | -0.1102 | 1.59E-08  | 32  |
| GCST90274779 | rs1595009  | T | C | 0.8133 | -0.0929 | 1.61E-09  | 36  |

|              |             |   |   |        |         |           |     |
|--------------|-------------|---|---|--------|---------|-----------|-----|
| GCST90274779 | rs164615    | A | G | 0.1045 | -0.1132 | 6.43E-09  | 34  |
| GCST90274779 | rs6820253   | T | C | 0.1059 | -0.1099 | 1.74E-08  | 32  |
| GCST90274779 | rs115214168 | T | C | 0.0264 | 0.4947  | 1.80E-35  | 154 |
| GCST90274779 | rs115424826 | T | G | 0.0161 | 0.3488  | 5.99E-11  | 43  |
| GCST90274779 | rs3775487   | T | C | 0.8358 | -0.1013 | 1.44E-10  | 41  |
| GCST90274779 | rs377579    | T | C | 0.1066 | -0.1031 | 4.90E-08  | 30  |
| GCST90274779 | rs394408    | T | C | 0.1066 | -0.1032 | 4.75E-08  | 30  |
| GCST90274779 | rs11547681  | T | G | 0.201  | 0.2237  | 6.00E-51  | 225 |
| GCST90274779 | rs7438101   | T | C | 0.7671 | -0.1822 | 8.44E-40  | 174 |
| GCST90274779 | rs74499711  | A | G | 0.0546 | 0.415   | 7.11E-55  | 243 |
| GCST90274779 | rs1821623   | C | G | 0.1073 | -0.1077 | 2.03E-08  | 31  |
| GCST90274779 | rs1836663   | T | C | 0.894  | 0.1101  | 1.64E-08  | 32  |
| GCST90274779 | rs189511    | T | C | 0.1039 | -0.1139 | 6.20E-09  | 34  |
| GCST90274779 | rs1898002   | A | G | 0.8925 | 0.109   | 1.37E-08  | 32  |
| GCST90274779 | rs191601    | T | C | 0.8935 | 0.104   | 3.74E-08  | 30  |
| GCST90274779 | rs57274239  | A | G | 0.9483 | -0.4506 | 1.58E-62  | 279 |
| GCST90274779 | rs1951233   | A | G | 0.0493 | 0.5049  | 3.38E-73  | 327 |
| GCST90274779 | rs11941948  | T | C | 0.9527 | -0.4463 | 2.05E-46  | 205 |
| GCST90274779 | rs4627830   | A | C | 0.7551 | -0.2707 | 2.67E-68  | 305 |
| GCST90274779 | rs12108606  | A | C | 0.9493 | -0.4725 | 4.12E-67  | 300 |
| GCST90274779 | rs12640169  | T | C | 0.0311 | 0.4729  | 7.73E-40  | 174 |
| GCST90274779 | rs12643330  | T | C | 0.7552 | -0.1878 | 5.42E-44  | 194 |
| GCST90274779 | rs12644965  | T | C | 0.7655 | -0.1818 | 3.45E-40  | 176 |
| GCST90274779 | rs2043537   | C | G | 0.8932 | 0.1103  | 1.10E-08  | 33  |
| GCST90274779 | rs2071425   | A | G | 0.7803 | -0.2362 | 1.83E-60  | 269 |
| GCST90274779 | rs2115691   | C | G | 0.7414 | -0.2947 | 9.02E-114 | 514 |
| GCST90274779 | rs2117721   | T | C | 0.107  | -0.1072 | 2.36E-08  | 31  |
| GCST90274779 | rs2145614   | A | G | 0.951  | -0.4917 | 1.70E-70  | 315 |
| GCST90274779 | rs2145615   | A | G | 0.7451 | -0.2898 | 7.84E-107 | 482 |
| GCST90274779 | rs2180883   | A | G | 0.0484 | 0.4906  | 1.06E-69  | 311 |
| GCST90274779 | rs2195543   | A | G | 0.054  | 0.4235  | 1.73E-57  | 255 |

|              |             |   |   |        |         |           |     |
|--------------|-------------|---|---|--------|---------|-----------|-----|
| GCST90274779 | rs2367288   | A | G | 0.7077 | -0.1612 | 2.29E-36  | 159 |
| GCST90274779 | rs2367289   | A | T | 0.2531 | 0.0805  | 1.88E-09  | 36  |
| GCST90274779 | rs2367291   | A | C | 0.6918 | -0.2616 | 2.23E-100 | 452 |
| GCST90274779 | rs654871    | A | G | 0.2563 | 0.2883  | 2.43E-107 | 484 |
| GCST90274779 | rs655328    | T | C | 0.2563 | 0.2885  | 1.74E-107 | 485 |
| GCST90274779 | rs671253    | T | C | 0.9489 | -0.4673 | 1.10E-65  | 293 |
| GCST90274779 | rs673038    | A | T | 0.2721 | 0.2772  | 6.93E-101 | 455 |
| GCST90274779 | rs680044    | A | G | 0.2557 | 0.2895  | 1.29E-106 | 481 |
| GCST90274779 | rs2367430   | A | C | 0.0728 | 0.342   | 7.34E-51  | 225 |
| GCST90274779 | rs2367442   | A | G | 0.2328 | 0.1696  | 2.11E-30  | 131 |
| GCST90274779 | rs2367443   | T | C | 0.1759 | 0.0875  | 3.06E-08  | 31  |
| GCST90274779 | rs6822890   | C | G | 0.8221 | -0.0862 | 4.01E-08  | 30  |
| GCST90274779 | rs6828610   | A | G | 0.8328 | -0.1098 | 2.68E-12  | 49  |
| GCST90274779 | rs683671    | A | G | 0.276  | 0.2776  | 2.69E-104 | 470 |
| GCST90274779 | rs684080    | A | T | 0.256  | 0.2895  | 3.21E-108 | 488 |
| GCST90274779 | rs6842204   | A | G | 0.2045 | 0.2061  | 7.52E-46  | 202 |
| GCST90274779 | rs6858086   | T | C | 0.3585 | 0.2027  | 5.45E-62  | 276 |
| GCST90274779 | rs72855280  | A | C | 0.0736 | 0.3469  | 5.66E-51  | 226 |
| GCST90274779 | rs73827894  | A | G | 0.0411 | 0.1979  | 1.18E-08  | 33  |
| GCST90274779 | rs2886927   | A | T | 0.3083 | 0.2611  | 5.31E-100 | 451 |
| GCST90274779 | rs2886969   | T | C | 0.7518 | -0.2907 | 6.65E-106 | 478 |
| GCST90274779 | rs2886970   | A | G | 0.7518 | -0.2912 | 2.92E-106 | 479 |
| GCST90274779 | rs2968710   | T | C | 0.2567 | 0.2974  | 7.89E-116 | 523 |
| GCST90274779 | rs572071176 | T | G | 0.0088 | 0.6408  | 2.56E-17  | 72  |
| GCST90274779 | rs13435687  | T | C | 0.1641 | 0.1063  | 1.18E-10  | 42  |
| GCST90274779 | rs573878    | T | C | 0.7439 | -0.2882 | 2.88E-107 | 484 |
| GCST90274779 | rs1957067   | C | G | 0.7651 | -0.2141 | 4.49E-52  | 231 |
| GCST90274779 | rs1957069   | T | C | 0.9511 | -0.504  | 1.86E-73  | 329 |
| GCST90274779 | rs58463118  | T | C | 0.9507 | -0.4797 | 3.46E-67  | 300 |
| GCST90274779 | rs585778    | T | G | 0.0535 | 0.441   | 2.78E-61  | 273 |
| GCST90274779 | rs58610473  | A | C | 0.9526 | -0.511  | 7.01E-73  | 326 |

|              |             |   |   |        |         |           |     |
|--------------|-------------|---|---|--------|---------|-----------|-----|
| GCST90274779 | rs593641    | A | G | 0.2548 | 0.2913  | 6.39E-108 | 487 |
| GCST90274779 | rs499141    | A | C | 0.9465 | -0.4417 | 1.80E-61  | 274 |
| GCST90274779 | rs596352    | T | C | 0.2563 | 0.2898  | 7.84E-107 | 482 |
| GCST90274779 | rs599746    | T | C | 0.8948 | 0.1116  | 8.79E-09  | 33  |
| GCST90274779 | rs60775930  | A | T | 0.0493 | 0.4753  | 5.40E-66  | 294 |
| GCST90274779 | rs61412577  | T | G | 0.0491 | 0.4984  | 7.12E-72  | 321 |
| GCST90274779 | rs518632    | A | T | 0.2571 | 0.2871  | 1.83E-106 | 480 |
| GCST90274779 | rs619229    | A | G | 0.2569 | 0.2717  | 6.72E-84  | 377 |
| GCST90274779 | rs619232    | A | G | 0.744  | -0.2708 | 3.32E-82  | 369 |
| GCST90274779 | rs4694660   | A | T | 0.8223 | -0.0856 | 4.97E-08  | 30  |
| GCST90274779 | rs482239    | T | C | 0.744  | -0.2884 | 2.06E-107 | 485 |
| GCST90274779 | rs487834    | T | C | 0.8952 | 0.1102  | 1.34E-08  | 32  |
| GCST90274779 | rs492155    | T | C | 0.2566 | 0.2891  | 6.32E-108 | 487 |
| GCST90274779 | rs493091    | T | C | 0.2567 | 0.2869  | 2.55E-106 | 480 |
| GCST90274779 | rs16850178  | A | G | 0.0499 | 0.4794  | 4.66E-68  | 304 |
| GCST90274779 | rs508977    | T | G | 0.7441 | -0.2888 | 1.05E-107 | 486 |
| GCST90274779 | rs509817    | T | C | 0.7455 | -0.289  | 2.97E-106 | 479 |
| GCST90274779 | rs512606    | A | G | 0.7438 | -0.2894 | 3.81E-108 | 488 |
| GCST90274779 | rs516224    | A | G | 0.2591 | 0.2928  | 4.72E-114 | 515 |
| GCST90274779 | rs1511815   | T | C | 0.0498 | 0.4793  | 1.49E-67  | 302 |
| GCST90274779 | rs240610    | C | G | 0.8954 | 0.1124  | 6.88E-09  | 34  |
| GCST90274779 | rs2457996   | T | C | 0.8939 | 0.1037  | 4.82E-08  | 30  |
| GCST90274779 | rs2472655   | T | C | 0.8934 | 0.1108  | 1.33E-08  | 32  |
| GCST90274779 | rs24772     | A | G | 0.7441 | -0.2888 | 1.05E-107 | 486 |
| GCST90274779 | rs28404022  | T | C | 0.7506 | -0.29   | 2.10E-105 | 475 |
| GCST90274779 | rs16850137  | A | T | 0.7615 | -0.308  | 6.57E-117 | 528 |
| GCST90274779 | rs16850160  | A | G | 0.0486 | 0.4867  | 3.79E-68  | 304 |
| GCST90274779 | rs1435520   | A | C | 0.9473 | -0.4076 | 4.72E-50  | 221 |
| GCST90274779 | rs16850360  | A | G | 0.9523 | -0.4073 | 1.20E-46  | 206 |
| GCST90274779 | rs56379383  | A | C | 0.8317 | -0.1116 | 1.17E-12  | 51  |
| GCST90274779 | rs564793550 | A | T | 0.0081 | 0.514   | 4.99E-09  | 34  |

|              |             |   |   |        |         |           |     |
|--------------|-------------|---|---|--------|---------|-----------|-----|
| GCST90274779 | rs569390    | A | G | 0.7442 | -0.2875 | 9.34E-107 | 482 |
| GCST90274779 | rs151101020 | T | C | 0.994  | -0.7624 | 3.05E-12  | 49  |
| GCST90274779 | rs614822    | A | T | 0.8959 | 0.1117  | 1.21E-08  | 32  |
| GCST90274779 | rs164616    | T | C | 0.1045 | -0.1134 | 6.05E-09  | 34  |
| GCST90274779 | rs575267249 | T | C | 0.0055 | 0.7867  | 9.41E-13  | 51  |
| GCST90274779 | rs58324794  | T | C | 0.0475 | 0.5081  | 1.41E-72  | 325 |
| GCST90274779 | rs168450    | A | C | 0.8955 | 0.1129  | 5.90E-09  | 34  |
| GCST90274779 | rs16845091  | T | G | 0.0496 | 0.4815  | 3.71E-68  | 304 |
| GCST90274779 | rs28472816  | T | C | 0.8318 | -0.1116 | 1.17E-12  | 51  |
| GCST90274779 | rs28574621  | C | G | 0.0293 | 0.2702  | 4.26E-12  | 48  |
| GCST90274779 | rs146974102 | T | C | 0.011  | 0.407   | 3.80E-08  | 30  |
| GCST90274779 | rs2367293   | T | C | 0.764  | -0.3125 | 2.72E-120 | 544 |
| GCST90274779 | rs2367427   | T | C | 0.0493 | 0.4795  | 3.92E-67  | 300 |
| GCST90274779 | rs2367429   | T | C | 0.9255 | -0.3362 | 4.71E-50  | 221 |
| GCST90274779 | rs623659    | C | G | 0.2749 | 0.2794  | 1.25E-105 | 476 |
| GCST90274779 | rs151307926 | C | G | 0.9468 | -0.434  | 2.07E-59  | 264 |
| GCST90274779 | rs537373    | A | C | 0.744  | -0.2883 | 2.43E-107 | 484 |
| GCST90274779 | rs164617    | A | G | 0.1045 | -0.1129 | 5.90E-09  | 34  |
| GCST90274779 | rs16850084  | T | C | 0.9585 | -0.486  | 5.04E-59  | 262 |
| GCST90274779 | rs529312    | A | T | 0.9464 | -0.4393 | 7.96E-61  | 271 |
| GCST90274779 | rs28664198  | T | C | 0.1681 | 0.1119  | 1.02E-12  | 51  |
| GCST90274779 | rs541923    | A | C | 0.256  | 0.2885  | 1.74E-107 | 485 |
| GCST90274779 | rs149611    | A | C | 0.0564 | 0.423   | 4.51E-59  | 263 |
| GCST90274779 | rs28660462  | T | C | 0.9585 | -0.4854 | 6.98E-59  | 262 |
| GCST90274779 | rs16850099  | C | G | 0.1665 | 0.1112  | 1.41E-12  | 50  |
| GCST90274779 | rs56366267  | T | C | 0.2351 | 0.1825  | 1.74E-40  | 177 |
| GCST90274779 | rs1594229   | C | G | 0.8938 | 0.11    | 1.69E-08  | 32  |
| GCST90274779 | rs168449    | T | C | 0.1067 | -0.106  | 2.04E-08  | 31  |
| GCST90274779 | rs519565    | A | G | 0.2755 | 0.2783  | 8.19E-105 | 473 |
| GCST90274779 | rs561454    | A | T | 0.7265 | -0.2765 | 6.43E-102 | 459 |
| GCST90274779 | rs149525780 | A | G | 0.0188 | 0.4199  | 2.55E-17  | 72  |

|              |             |   |   |        |         |           |     |
|--------------|-------------|---|---|--------|---------|-----------|-----|
| GCST90274779 | rs562213    | T | C | 0.2744 | 0.2753  | 4.72E-101 | 455 |
| GCST90274779 | rs55980137  | C | G | 0.8323 | -0.112  | 9.77E-13  | 51  |
| GCST90274779 | rs548068    | T | C | 0.2759 | 0.2785  | 5.83E-105 | 473 |
| GCST90274779 | rs551744    | A | G | 0.7442 | -0.2888 | 1.05E-107 | 486 |
| GCST90274784 | rs4859572   | T | C | 0.242  | -0.1323 | 5.57E-24  | 102 |
| GCST90274784 | rs4859571   | T | C | 0.2411 | -0.1331 | 2.98E-24  | 103 |
| GCST90274784 | rs4859577   | T | C | 0.7401 | 0.1368  | 1.16E-26  | 114 |
| GCST90274784 | rs6847815   | T | C | 0.7397 | 0.1371  | 9.04E-27  | 115 |
| GCST90274784 | rs6532173   | T | C | 0.2704 | 0.088   | 6.20E-12  | 47  |
| GCST90274784 | rs66459658  | T | C | 0.6924 | 0.0703  | 3.97E-08  | 30  |
| GCST90274784 | rs4859568   | A | C | 0.2616 | -0.12   | 1.37E-20  | 87  |
| GCST90274784 | rs4859578   | T | C | 0.2599 | -0.1381 | 3.88E-27  | 116 |
| GCST90274784 | rs4859580   | T | C | 0.7248 | 0.1299  | 6.38E-25  | 106 |
| GCST90274784 | rs4859569   | A | T | 0.7385 | 0.121   | 6.61E-21  | 88  |
| GCST90274784 | rs4859573   | A | G | 0.758  | 0.1324  | 5.15E-24  | 102 |
| GCST90274784 | rs56300358  | T | C | 0.6903 | 0.0976  | 2.11E-15  | 63  |
| GCST90274784 | rs4859567   | A | T | 0.2615 | -0.1208 | 7.65E-21  | 88  |
| GCST90274784 | rs4429750   | A | G | 0.7458 | 0.1387  | 5.80E-27  | 116 |
| GCST90274784 | rs57539649  | A | G | 0.2813 | 0.0786  | 3.43E-09  | 35  |
| GCST90274784 | rs4859570   | T | C | 0.2421 | -0.1322 | 6.02E-24  | 102 |
| GCST90274784 | rs72653702  | A | G | 0.2091 | 0.0881  | 7.24E-10  | 38  |
| GCST90274784 | rs112197434 | A | T | 0.7474 | 0.1232  | 2.62E-21  | 90  |
| GCST90274784 | rs571848809 | A | G | 0.1058 | -0.1253 | 9.83E-10  | 37  |
| GCST90274784 | rs111981122 | A | C | 0.7583 | 0.1334  | 2.36E-24  | 104 |
| GCST90274784 | rs5005111   | T | C | 0.2453 | 0.0894  | 1.26E-10  | 41  |
| GCST90274784 | rs56093624  | A | G | 0.2836 | 0.0712  | 9.36E-09  | 33  |
| GCST90274784 | rs66498356  | C | G | 0.2893 | -0.1095 | 1.04E-18  | 78  |
| GCST90274784 | rs56387679  | A | G | 0.2824 | 0.0835  | 3.18E-09  | 35  |
| GCST90274784 | rs12374321  | T | C | 0.2428 | -0.1335 | 2.18E-24  | 104 |
| GCST90274784 | rs12374370  | A | G | 0.7572 | 0.1334  | 2.36E-24  | 104 |
| GCST90274784 | rs1247513   | T | C | 0.1754 | -0.0922 | 1.02E-09  | 37  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274784 | rs7137828   | T | C | 0.5253 | -0.0962 | 3.15E-13 | 53  |
| GCST90274784 | rs72651374  | T | C | 0.6856 | 0.0743  | 1.53E-09 | 36  |
| GCST90274784 | rs59614420  | A | G | 0.287  | 0.0697  | 3.17E-08 | 31  |
| GCST90274784 | rs597808    | A | G | 0.4757 | 0.0961  | 3.33E-13 | 53  |
| GCST90274784 | rs4859609   | A | G | 0.7282 | 0.1298  | 1.61E-24 | 104 |
| GCST90274784 | rs11490704  | C | G | 0.686  | 0.0716  | 4.39E-09 | 34  |
| GCST90274784 | rs4859610   | A | G | 0.2501 | 0.0755  | 1.07E-08 | 33  |
| GCST90274784 | rs55876513  | T | G | 0.7407 | 0.1355  | 2.21E-23 | 99  |
| GCST90274784 | rs55967764  | T | C | 0.312  | -0.0713 | 6.76E-09 | 34  |
| GCST90274784 | rs6532116   | A | G | 0.7523 | -0.0836 | 1.27E-10 | 41  |
| GCST90274784 | rs13121161  | T | G | 0.7463 | 0.1387  | 5.80E-27 | 116 |
| GCST90274784 | rs13126007  | A | G | 0.3936 | 0.0681  | 4.34E-09 | 34  |
| GCST90274784 | rs4252093   | A | G | 0.7119 | -0.0713 | 8.92E-09 | 33  |
| GCST90274784 | rs13129896  | A | G | 0.2596 | -0.1368 | 1.16E-26 | 114 |
| GCST90274784 | rs13130917  | T | C | 0.2529 | -0.1375 | 1.58E-26 | 114 |
| GCST90274784 | rs13138223  | A | T | 0.6465 | -0.0682 | 1.32E-08 | 32  |
| GCST90274784 | rs66828967  | T | G | 0.3528 | -0.0727 | 7.23E-10 | 38  |
| GCST90274784 | rs112560011 | C | G | 0.7609 | -0.0948 | 2.62E-10 | 40  |
| GCST90274784 | rs62439804  | T | C | 0.7183 | -0.0725 | 6.63E-09 | 34  |
| GCST90274784 | rs62439805  | A | G | 0.2928 | 0.0697  | 1.46E-08 | 32  |
| GCST90274784 | rs115656209 | A | C | 0.7662 | -0.0901 | 5.17E-10 | 39  |
| GCST90274784 | rs11751347  | T | C | 0.1051 | -0.1264 | 2.27E-11 | 45  |
| GCST90274784 | rs11751605  | T | C | 0.8516 | 0.098   | 1.15E-09 | 37  |
| GCST90274784 | rs6834223   | A | G | 0.7531 | -0.0839 | 1.51E-10 | 41  |
| GCST90274784 | rs6841333   | T | G | 0.731  | 0.131   | 6.03E-25 | 106 |
| GCST90274784 | rs6841837   | A | G | 0.3084 | -0.098  | 2.72E-15 | 62  |
| GCST90274784 | rs17001247  | T | C | 0.7405 | 0.1368  | 1.16E-26 | 114 |
| GCST90274784 | rs4508917   | A | G | 0.7015 | 0.1205  | 5.24E-23 | 98  |
| GCST90274784 | rs4757      | T | C | 0.2922 | 0.0702  | 1.50E-08 | 32  |
| GCST90274784 | rs111823959 | T | C | 0.2416 | -0.1335 | 2.18E-24 | 104 |
| GCST90274784 | rs17696736  | A | G | 0.5651 | -0.0803 | 8.80E-10 | 38  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274784 | rs75421611 | A | G | 0.247  | 0.0892  | 1.39E-10 | 41  |
| GCST90274784 | rs75847372 | T | C | 0.9379 | 0.1416  | 1.69E-08 | 32  |
| GCST90274784 | rs11513729 | T | C | 0.4102 | 0.0745  | 1.92E-10 | 41  |
| GCST90274784 | rs7670521  | A | G | 0.6898 | 0.0988  | 9.55E-16 | 65  |
| GCST90274784 | rs6532078  | A | G | 0.3945 | 0.0637  | 3.04E-08 | 31  |
| GCST90274784 | rs7686066  | A | T | 0.6913 | 0.0685  | 2.56E-08 | 31  |
| GCST90274784 | rs12191307 | A | G | 0.098  | -0.1452 | 1.70E-13 | 54  |
| GCST90274784 | rs12209391 | A | G | 0.163  | -0.0862 | 4.01E-08 | 30  |
| GCST90274784 | rs12211977 | A | G | 0.0973 | -0.142  | 7.41E-13 | 51  |
| GCST90274784 | rs1247539  | T | C | 0.1249 | -0.1188 | 1.13E-11 | 46  |
| GCST90274784 | rs12500868 | C | G | 0.7579 | -0.092  | 4.98E-11 | 43  |
| GCST90274784 | rs12504339 | T | C | 0.7527 | -0.0834 | 1.40E-10 | 41  |
| GCST90274784 | rs12649185 | A | G | 0.2534 | -0.1393 | 3.50E-27 | 117 |
| GCST90274784 | rs60198722 | A | G | 0.2628 | 0.0747  | 3.14E-08 | 31  |
| GCST90274784 | rs13105416 | T | G | 0.2643 | -0.1178 | 6.74E-20 | 83  |
| GCST90274784 | rs13111494 | T | C | 0.7471 | 0.1378  | 1.23E-26 | 114 |
| GCST90274784 | rs648997   | T | C | 0.2613 | -0.0891 | 2.10E-08 | 31  |
| GCST90274784 | rs7670697  | A | T | 0.6905 | 0.0903  | 7.87E-12 | 47  |
| GCST90274784 | rs13118503 | T | C | 0.2591 | -0.1377 | 5.44E-27 | 116 |
| GCST90274784 | rs28465660 | T | C | 0.1615 | -0.0961 | 7.26E-10 | 38  |
| GCST90274784 | rs28532601 | A | G | 0.2421 | -0.1332 | 2.76E-24 | 103 |
| GCST90274784 | rs28535831 | A | T | 0.7579 | 0.1327  | 4.08E-24 | 103 |
| GCST90274784 | rs4252096  | C | G | 0.7191 | -0.0738 | 3.55E-09 | 35  |
| GCST90274784 | rs4252107  | T | C | 0.7157 | -0.0726 | 4.77E-09 | 34  |
| GCST90274784 | rs4252109  | T | G | 0.7177 | -0.0712 | 9.36E-09 | 33  |
| GCST90274784 | rs4252114  | T | C | 0.7058 | -0.0689 | 1.63E-08 | 32  |
| GCST90274784 | rs6816425  | T | C | 0.6132 | 0.0851  | 1.36E-13 | 55  |
| GCST90274784 | rs6824910  | T | C | 0.6921 | 0.0989  | 1.51E-15 | 64  |
| GCST90274784 | rs6824911  | T | C | 0.6921 | 0.0981  | 2.55E-15 | 63  |
| GCST90274784 | rs6826085  | T | C | 0.3973 | 0.0679  | 4.81E-09 | 34  |
| GCST90274784 | rs653178   | T | C | 0.5243 | -0.099  | 2.63E-14 | 58  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274784 | rs6827617   | A | G | 0.605  | -0.0632 | 3.89E-08 | 30  |
| GCST90274784 | rs1348204   | A | G | 0.3931 | 0.0678  | 3.73E-09 | 35  |
| GCST90274784 | rs1394919   | A | C | 0.3045 | -0.0716 | 2.85E-08 | 31  |
| GCST90274784 | rs144981713 | C | G | 0.0122 | -0.3925 | 7.03E-11 | 43  |
| GCST90274784 | rs4252165   | A | C | 0.2843 | 0.0712  | 9.36E-09 | 33  |
| GCST90274784 | rs17001357  | T | C | 0.3543 | -0.0731 | 5.83E-10 | 38  |
| GCST90274784 | rs17001573  | A | G | 0.8383 | 0.0976  | 3.94E-10 | 39  |
| GCST90274784 | rs17630235  | A | G | 0.4159 | 0.0838  | 4.01E-10 | 39  |
| GCST90274784 | rs11097262  | T | C | 0.1616 | -0.0943 | 1.50E-09 | 37  |
| GCST90274784 | rs35513104  | A | G | 0.7074 | -0.0699 | 1.32E-08 | 32  |
| GCST90274784 | rs1847732   | A | T | 0.7443 | 0.13    | 3.09E-19 | 80  |
| GCST90274784 | rs1853016   | C | G | 0.2924 | 0.069   | 2.03E-08 | 31  |
| GCST90274784 | rs76182445  | A | G | 0.1242 | -0.0938 | 4.94E-08 | 30  |
| GCST90274784 | rs2013002   | T | C | 0.4137 | 0.0716  | 6.73E-10 | 38  |
| GCST90274784 | rs2135232   | T | C | 0.6904 | 0.0693  | 2.29E-08 | 31  |
| GCST90274784 | rs11931349  | A | G | 0.3978 | 0.0688  | 3.01E-09 | 35  |
| GCST90274784 | rs11947509  | T | C | 0.3905 | 0.0653  | 1.81E-08 | 32  |
| GCST90274784 | rs2242471   | C | G | 0.3907 | 0.0659  | 1.34E-08 | 32  |
| GCST90274784 | rs12212146  | T | C | 0.9283 | 0.1394  | 1.59E-09 | 36  |
| GCST90274784 | rs7688312   | C | G | 0.2541 | -0.138  | 1.04E-26 | 114 |
| GCST90274784 | rs7698149   | A | T | 0.7525 | -0.0832 | 1.55E-10 | 41  |
| GCST90274784 | rs77009508  | A | G | 0.9292 | 0.1307  | 8.53E-09 | 33  |
| GCST90274784 | rs12651402  | T | C | 0.2579 | -0.1406 | 1.16E-27 | 119 |
| GCST90274784 | rs4252076   | A | G | 0.7114 | -0.0693 | 3.80E-08 | 30  |
| GCST90274784 | rs4252078   | T | C | 0.2923 | 0.0695  | 2.08E-08 | 31  |
| GCST90274784 | rs13111710  | C | G | 0.6031 | -0.0686 | 3.34E-09 | 35  |
| GCST90274784 | rs13112512  | T | C | 0.7261 | 0.1291  | 1.23E-24 | 105 |
| GCST90274784 | rs28451731  | T | C | 0.2423 | -0.1322 | 6.02E-24 | 102 |
| GCST90274784 | rs4252086   | T | C | 0.7074 | -0.0697 | 1.46E-08 | 32  |
| GCST90274784 | rs4252087   | A | G | 0.2925 | 0.0702  | 1.15E-08 | 33  |
| GCST90274784 | rs4252090   | A | T | 0.712  | -0.0708 | 1.13E-08 | 33  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274784 | rs28563976 | A | C | 0.8384 | 0.0976  | 3.94E-10 | 39  |
| GCST90274784 | rs28564530 | A | G | 0.7872 | 0.1338  | 6.22E-22 | 93  |
| GCST90274784 | rs28588114 | A | G | 0.2422 | -0.1328 | 3.77E-24 | 103 |
| GCST90274784 | rs28595360 | A | G | 0.2427 | -0.1334 | 2.36E-24 | 104 |
| GCST90274784 | rs4252117  | A | G | 0.7165 | -0.0713 | 8.92E-09 | 33  |
| GCST90274784 | rs4252120  | T | C | 0.716  | -0.0709 | 8.20E-09 | 33  |
| GCST90274784 | rs13141895 | T | C | 0.8425 | 0.0988  | 3.11E-10 | 40  |
| GCST90274784 | rs1321197  | A | T | 0.7062 | -0.0684 | 2.06E-08 | 31  |
| GCST90274784 | rs13231    | A | G | 0.7184 | -0.0704 | 1.37E-08 | 32  |
| GCST90274784 | rs4252130  | A | C | 0.7163 | -0.0716 | 7.73E-09 | 33  |
| GCST90274784 | rs4252135  | T | G | 0.2835 | 0.072   | 6.38E-09 | 34  |
| GCST90274784 | rs4252150  | T | C | 0.7082 | -0.0761 | 1.35E-08 | 32  |
| GCST90274784 | rs4252151  | A | G | 0.7053 | -0.068  | 2.49E-08 | 31  |
| GCST90274784 | rs34630680 | A | T | 0.756  | 0.1314  | 5.11E-24 | 102 |
| GCST90274784 | rs4282209  | A | G | 0.3945 | 0.0642  | 2.37E-08 | 31  |
| GCST90274784 | rs11066320 | A | G | 0.4323 | 0.0788  | 3.13E-09 | 35  |
| GCST90274784 | rs11097213 | T | C | 0.7528 | -0.0838 | 1.15E-10 | 42  |
| GCST90274784 | rs35035038 | T | G | 0.2559 | -0.1396 | 4.69E-24 | 102 |
| GCST90274784 | rs58317633 | T | C | 0.6887 | 0.0771  | 3.65E-10 | 39  |
| GCST90274784 | rs35882473 | A | G | 0.2982 | -0.1214 | 2.50E-23 | 99  |
| GCST90274784 | rs3733233  | T | C | 0.6867 | 0.0959  | 1.69E-14 | 59  |
| GCST90274784 | rs3733234  | C | G | 0.3121 | -0.0914 | 4.38E-12 | 48  |
| GCST90274784 | rs1853017  | T | C | 0.2925 | 0.0696  | 1.53E-08 | 32  |
| GCST90274784 | rs1853018  | T | C | 0.7083 | -0.0688 | 2.88E-08 | 31  |
| GCST90274784 | rs2175829  | T | C | 0.6867 | 0.0722  | 1.69E-08 | 32  |
| GCST90274784 | rs2242470  | A | G | 0.2596 | -0.1365 | 1.50E-26 | 114 |
| GCST90274784 | rs1972748  | C | G | 0.2937 | 0.0682  | 2.27E-08 | 31  |
| GCST90274784 | rs3816248  | T | C | 0.8384 | 0.0953  | 1.00E-09 | 37  |
| GCST90274784 | rs4077787  | C | G | 0.649  | 0.0703  | 2.56E-09 | 35  |
| GCST90274784 | rs41272086 | A | G | 0.1088 | -0.1204 | 6.01E-11 | 43  |
| GCST90274784 | rs4241577  | A | C | 0.2629 | -0.1419 | 1.47E-28 | 123 |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274784 | rs10031733 | T | C | 0.2591 | -0.1371 | 9.04E-27 | 115 |
| GCST90274784 | rs7756836  | T | C | 0.8749 | 0.0941  | 3.74E-08 | 30  |
| GCST90274784 | rs77894138 | T | G | 0.088  | -0.1146 | 2.65E-08 | 31  |
| GCST90274784 | rs783149   | A | C | 0.1958 | -0.0805 | 2.27E-08 | 31  |
| GCST90274784 | rs783150   | T | C | 0.12   | -0.1252 | 2.01E-12 | 49  |
| GCST90274784 | rs783155   | A | G | 0.8188 | 0.0934  | 2.78E-10 | 40  |
| GCST90274784 | rs783166   | A | G | 0.1062 | -0.1087 | 4.21E-09 | 35  |
| GCST90274784 | rs79298906 | T | C | 0.8375 | -0.0848 | 2.42E-08 | 31  |
| GCST90274784 | rs7953257  | A | T | 0.4072 | 0.0664  | 1.83E-08 | 32  |
| GCST90274784 | rs10008834 | T | C | 0.8417 | 0.0965  | 7.92E-10 | 38  |
| GCST90274784 | rs10009947 | A | G | 0.2592 | -0.1373 | 7.64E-27 | 115 |
| GCST90274784 | rs10021434 | C | G | 0.2602 | -0.1371 | 9.04E-27 | 115 |
| GCST90274784 | rs10029157 | A | G | 0.2487 | -0.1375 | 3.81E-26 | 112 |
| GCST90274784 | rs884304   | A | G | 0.2938 | -0.1274 | 3.86E-25 | 107 |
| GCST90274784 | rs10031983 | C | G | 0.2536 | -0.1383 | 8.12E-27 | 115 |
| GCST90274784 | rs4252125  | A | G | 0.2834 | 0.0713  | 8.92E-09 | 33  |
| GCST90274784 | rs4252126  | A | G | 0.7165 | -0.0713 | 8.92E-09 | 33  |
| GCST90274784 | rs4252129  | T | C | 0.0132 | -0.3768 | 1.04E-11 | 46  |
| GCST90274784 | rs3119310  | A | G | 0.124  | -0.0938 | 4.94E-08 | 30  |
| GCST90274784 | rs4252134  | T | C | 0.7169 | -0.0709 | 1.08E-08 | 33  |
| GCST90274784 | rs11065987 | A | G | 0.5847 | -0.0756 | 3.32E-11 | 44  |
| GCST90274784 | rs11065991 | T | C | 0.4146 | 0.0752  | 6.19E-11 | 43  |
| GCST90274784 | rs11066188 | A | G | 0.4154 | 0.0822  | 8.55E-10 | 38  |
| GCST90274784 | rs11066301 | A | G | 0.5681 | -0.0812 | 7.67E-10 | 38  |
| GCST90274784 | rs11066309 | A | G | 0.4163 | 0.0834  | 6.50E-10 | 38  |
| GCST90274784 | rs35028295 | T | C | 0.2463 | 0.0841  | 1.36E-10 | 41  |
| GCST90274784 | rs2242473  | A | G | 0.3923 | 0.068   | 4.57E-09 | 34  |
| GCST90274784 | rs4252066  | A | G | 0.2823 | 0.0716  | 1.72E-08 | 32  |
| GCST90274784 | rs4252072  | A | T | 0.7134 | -0.0704 | 2.31E-08 | 31  |
| GCST90274784 | rs10518142 | T | G | 0.3107 | -0.0748 | 1.19E-09 | 37  |
| GCST90274784 | rs1897108  | A | G | 0.7058 | -0.0681 | 2.38E-08 | 31  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274784 | rs3733235  | A | G | 0.3087 | -0.0981 | 2.55E-15 | 63  |
| GCST90274784 | rs3733238  | A | G | 0.7397 | 0.1366  | 1.38E-26 | 114 |
| GCST90274784 | rs1857821  | A | G | 0.7406 | 0.1373  | 7.64E-27 | 115 |
| GCST90274784 | rs884004   | T | G | 0.2514 | -0.1416 | 4.94E-28 | 120 |
| GCST90274784 | rs3796484  | A | T | 0.2601 | -0.136  | 2.28E-26 | 113 |
| GCST90274784 | rs867562   | A | G | 0.1779 | 0.0823  | 2.69E-08 | 31  |
| GCST90274784 | rs884002   | A | G | 0.1777 | 0.0823  | 2.69E-08 | 31  |
| GCST90274784 | rs4252082  | T | G | 0.7082 | -0.0681 | 3.98E-08 | 30  |
| GCST90274784 | rs10518143 | A | G | 0.7485 | 0.1417  | 4.54E-28 | 121 |
| GCST90274784 | rs905958   | A | G | 0.3111 | -0.0776 | 2.81E-10 | 40  |
| GCST90274784 | rs28647886 | T | C | 0.7583 | 0.1312  | 1.31E-23 | 100 |
| GCST90274784 | rs9996608  | T | C | 0.3096 | -0.0972 | 2.73E-15 | 62  |
| GCST90274784 | rs10000436 | A | T | 0.2927 | 0.0777  | 3.70E-10 | 39  |
| GCST90274784 | rs2242474  | T | C | 0.6098 | -0.0664 | 1.04E-08 | 33  |
| GCST90274784 | rs2271528  | A | G | 0.2602 | -0.1366 | 1.38E-26 | 114 |
| GCST90274784 | rs10774625 | A | G | 0.4876 | 0.0961  | 9.36E-14 | 55  |
| GCST90274784 | rs34740469 | A | G | 0.2602 | -0.1382 | 3.56E-27 | 117 |
| GCST90274784 | rs10002977 | A | G | 0.7457 | 0.1385  | 6.86E-27 | 115 |
| GCST90274784 | rs3184504  | T | C | 0.4744 | 0.1008  | 8.92E-15 | 60  |
| GCST90274784 | rs28375800 | T | C | 0.2421 | -0.1327 | 4.08E-24 | 103 |
| GCST90274784 | rs3119311  | T | C | 0.8738 | 0.0974  | 1.01E-08 | 33  |
| GCST90274784 | rs28655366 | A | G | 0.2534 | -0.1381 | 9.60E-27 | 115 |
| GCST90274784 | rs10774624 | A | G | 0.5228 | -0.0936 | 1.96E-12 | 50  |
| GCST90274784 | rs2869462  | C | G | 0.749  | 0.142   | 3.51E-28 | 121 |
| GCST90274784 | rs10007919 | C | G | 0.7467 | 0.1378  | 1.23E-26 | 114 |
| GCST90274784 | rs3120137  | A | G | 0.1473 | -0.0885 | 3.18E-08 | 31  |
| GCST90274784 | rs3127578  | T | C | 0.8746 | 0.0936  | 4.41E-08 | 30  |
| GCST90274784 | rs2292533  | T | C | 0.3991 | 0.0684  | 3.71E-09 | 35  |
| GCST90274784 | rs28759823 | T | C | 0.3145 | -0.0738 | 1.97E-09 | 36  |
| GCST90274784 | rs28422144 | T | C | 0.2418 | -0.1305 | 6.09E-21 | 88  |
| GCST90274784 | rs2276886  | T | C | 0.2572 | -0.1407 | 4.17E-28 | 121 |

|              |             |   |   |        |         |           |     |
|--------------|-------------|---|---|--------|---------|-----------|-----|
| GCST90274784 | rs1084657   | A | G | 0.106  | -0.109  | 3.82E-09  | 35  |
| GCST90274784 | rs9790644   | A | G | 0.5337 | -0.0807 | 1.45E-12  | 50  |
| GCST90274784 | rs28818603  | T | G | 0.2546 | -0.1391 | 4.14E-27  | 116 |
| GCST90274784 | rs9995300   | A | G | 0.7668 | -0.0817 | 8.11E-10  | 38  |
| GCST90274784 | rs28402939  | T | G | 0.2762 | 0.0682  | 4.87E-08  | 30  |
| GCST90274784 | rs9307071   | A | G | 0.2669 | 0.0858  | 2.91E-11  | 44  |
| GCST90274784 | rs9994667   | A | G | 0.2538 | -0.1396 | 2.72E-27  | 117 |
| GCST90274784 | rs9458012   | T | C | 0.7056 | -0.0695 | 1.60E-08  | 32  |
| GCST90274784 | rs11065979  | T | C | 0.4292 | 0.0785  | 5.74E-12  | 47  |
| GCST90274784 | rs9456578   | A | T | 0.7165 | -0.0712 | 9.36E-09  | 33  |
| GCST90274784 | rs9458019   | T | C | 0.7169 | -0.0717 | 7.37E-09  | 33  |
| GCST90274784 | rs9458016   | A | G | 0.7166 | -0.071  | 1.03E-08  | 33  |
| GCST90274784 | rs9458020   | T | C | 0.2835 | 0.0717  | 7.37E-09  | 33  |
| GCST90274784 | rs9458017   | T | G | 0.284  | 0.0705  | 9.94E-09  | 33  |
| GCST90274784 | rs28897072  | A | G | 0.2583 | -0.1408 | 3.82E-28  | 121 |
| GCST90274790 | rs17464552  | A | T | 0.9144 | 0.3164  | 2.02E-43  | 191 |
| GCST90274790 | rs17465728  | T | C | 0.2071 | 0.212   | 8.77E-38  | 165 |
| GCST90274790 | rs17465218  | T | C | 0.9274 | 0.366   | 6.56E-49  | 216 |
| GCST90274790 | rs17004870  | T | C | 0.9197 | 0.454   | 1.80E-82  | 370 |
| GCST90274790 | rs78695532  | A | T | 0.9351 | 0.2359  | 6.94E-15  | 61  |
| GCST90274790 | rs111266628 | C | G | 0.0147 | 0.4314  | 2.68E-09  | 35  |
| GCST90274790 | rs17533393  | A | T | 0.9181 | 0.3642  | 1.14E-42  | 187 |
| GCST90274790 | rs17532011  | A | G | 0.9193 | 0.458   | 5.07E-86  | 386 |
| GCST90274790 | rs111264975 | A | T | 0.0137 | 0.3783  | 1.72E-08  | 32  |
| GCST90274790 | rs989508    | T | C | 0.4453 | 0.3094  | 1.70E-121 | 549 |
| GCST90274790 | rs111292917 | A | G | 0.0146 | 0.4653  | 4.00E-10  | 39  |
| GCST90274790 | rs79023733  | A | C | 0.8627 | -0.1089 | 3.94E-09  | 35  |
| GCST90274790 | rs17466289  | A | G | 0.9182 | 0.4511  | 6.33E-85  | 381 |
| GCST90274790 | rs79059900  | T | C | 0.0538 | 0.2687  | 2.32E-17  | 72  |
| GCST90274790 | rs989509    | T | C | 0.4455 | 0.3094  | 1.70E-121 | 549 |
| GCST90274790 | rs9992370   | T | C | 0.7484 | 0.1582  | 1.90E-28  | 122 |

|              |             |   |   |        |         |           |      |
|--------------|-------------|---|---|--------|---------|-----------|------|
| GCST90274790 | rs17532617  | T | C | 0.0797 | -0.4515 | 2.89E-82  | 369  |
| GCST90274790 | rs2292843   | T | C | 0.2854 | 0.1151  | 4.41E-17  | 71   |
| GCST90274790 | rs2168813   | T | C | 0.2857 | 0.1137  | 1.05E-16  | 69   |
| GCST90274790 | rs2168814   | C | G | 0.2495 | -0.158  | 2.22E-28  | 122  |
| GCST90274790 | rs2290755   | A | C | 0.7485 | -0.1216 | 1.90E-15  | 63   |
| GCST90274790 | rs17467134  | A | G | 0.0799 | -0.447  | 2.40E-81  | 365  |
| GCST90274790 | rs10002537  | C | G | 0.2502 | -0.1587 | 1.28E-28  | 123  |
| GCST90274790 | rs79117798  | A | T | 0.9516 | -0.5053 | 1.16E-18  | 78   |
| GCST90274790 | rs17466763  | A | C | 0.0804 | -0.4577 | 6.54E-86  | 386  |
| GCST90274790 | rs17531962  | T | C | 0.0843 | -0.4623 | 1.92E-85  | 384  |
| GCST90274790 | rs17532004  | T | C | 0.0803 | -0.459  | 2.17E-86  | 388  |
| GCST90274790 | rs11099098  | T | G | 0.3175 | 0.5176  | 1.00E-200 | 1688 |
| GCST90274790 | rs17004863  | A | T | 0.9068 | 0.455   | 5.05E-95  | 428  |
| GCST90274790 | rs17004866  | T | C | 0.0169 | -0.3713 | 1.39E-09  | 37   |
| GCST90274790 | rs17004869  | A | T | 0.9376 | -0.3497 | 7.76E-33  | 142  |
| GCST90274790 | rs78500522  | A | G | 0.0123 | 0.4113  | 2.01E-08  | 31   |
| GCST90274790 | rs181837243 | A | G | 0.0308 | 0.4338  | 4.56E-12  | 48   |
| GCST90274790 | rs184705667 | A | T | 0.0126 | 0.462   | 1.17E-11  | 46   |
| GCST90274790 | rs1902859   | T | C | 0.6404 | -0.439  | 1.00E-200 | 1233 |
| GCST90274790 | rs17467234  | T | G | 0.0824 | -0.4425 | 4.21E-81  | 364  |
| GCST90274790 | rs17510948  | A | C | 0.0858 | -0.3157 | 3.09E-43  | 190  |
| GCST90274790 | rs17531419  | A | G | 0.0833 | -0.4427 | 1.05E-84  | 380  |
| GCST90274790 | rs80270944  | T | C | 0.9282 | 0.4012  | 4.56E-57  | 253  |
| GCST90274790 | rs17531781  | T | C | 0.9174 | 0.4495  | 8.77E-86  | 385  |
| GCST90274790 | rs9307646   | A | G | 0.0804 | -0.4559 | 2.98E-85  | 383  |
| GCST90274790 | rs982804    | T | C | 0.5684 | -0.1866 | 1.87E-43  | 191  |
| GCST90274790 | rs6858078   | T | C | 0.0865 | -0.3086 | 1.89E-42  | 186  |
| GCST90274790 | rs71596003  | A | G | 0.2862 | 0.1125  | 2.18E-16  | 67   |
| GCST90274790 | rs17532589  | A | G | 0.9201 | 0.452   | 1.92E-82  | 370  |
| GCST90274790 | rs78545693  | T | G | 0.927  | 0.4037  | 1.51E-45  | 201  |
| GCST90274790 | rs62298642  | A | G | 0.8677 | 0.1131  | 4.66E-08  | 30   |

|              |             |   |   |        |         |           |      |
|--------------|-------------|---|---|--------|---------|-----------|------|
| GCST90274790 | rs79168761  | T | C | 0.0854 | -0.3173 | 1.17E-43  | 192  |
| GCST90274790 | rs79533016  | T | C | 0.0834 | -0.4441 | 5.73E-86  | 386  |
| GCST90274790 | rs79682523  | T | C | 0.0906 | -0.3019 | 1.06E-40  | 178  |
| GCST90274790 | rs17531238  | C | G | 0.0834 | -0.431  | 2.15E-76  | 342  |
| GCST90274790 | rs17530504  | T | C | 0.8125 | -0.1201 | 2.93E-14  | 58   |
| GCST90274790 | rs80162199  | A | G | 0.0124 | 0.3825  | 1.86E-08  | 32   |
| GCST90274790 | rs10212796  | A | G | 0.0937 | -0.4569 | 8.40E-96  | 431  |
| GCST90274790 | rs72655097  | A | G | 0.0723 | -0.3499 | 6.54E-46  | 202  |
| GCST90274790 | rs10213506  | T | C | 0.0935 | -0.4512 | 3.67E-95  | 428  |
| GCST90274790 | rs1047245   | A | C | 0.905  | 0.4515  | 5.05E-97  | 437  |
| GCST90274790 | rs10518237  | T | C | 0.9845 | 0.3985  | 2.53E-10  | 40   |
| GCST90274790 | rs72655080  | C | G | 0.0857 | -0.3173 | 6.19E-43  | 189  |
| GCST90274790 | rs10004071  | T | C | 0.219  | -0.1542 | 1.75E-24  | 104  |
| GCST90274790 | rs10009490  | A | G | 0.9057 | 0.4202  | 7.69E-86  | 386  |
| GCST90274790 | rs10009757  | A | G | 0.9161 | 0.4398  | 2.39E-84  | 379  |
| GCST90274790 | rs191495254 | A | C | 0.9667 | -0.4162 | 7.42E-10  | 38   |
| GCST90274790 | rs80100291  | A | G | 0.9146 | 0.3214  | 2.77E-43  | 190  |
| GCST90274790 | rs1996453   | T | C | 0.6254 | 0.0795  | 8.37E-09  | 33   |
| GCST90274790 | rs11099088  | T | C | 0.7162 | -0.1163 | 3.53E-17  | 71   |
| GCST90274790 | rs11099097  | T | C | 0.3149 | 0.5163  | 1.00E-200 | 1679 |
| GCST90274790 | rs28656417  | C | G | 0.9534 | 0.2132  | 2.33E-12  | 49   |
| GCST90274790 | rs2867693   | A | G | 0.5055 | -0.0823 | 6.09E-10  | 38   |
| GCST90274790 | rs2867695   | T | C | 0.0974 | -0.2833 | 2.30E-40  | 177  |
| GCST90274790 | rs2867700   | A | G | 0.8554 | 0.2583  | 3.34E-47  | 208  |
| GCST90274790 | rs2867701   | A | G | 0.669  | 0.1015  | 4.17E-13  | 53   |
| GCST90274790 | rs111402170 | A | C | 0.073  | -0.3496 | 7.79E-46  | 202  |
| GCST90274790 | rs111499061 | T | C | 0.0502 | -0.1603 | 4.97E-08  | 30   |
| GCST90274790 | rs62300379  | A | T | 0.9495 | -0.2065 | 4.92E-09  | 34   |
| GCST90274790 | rs62300383  | T | C | 0.0538 | -0.251  | 1.54E-12  | 50   |
| GCST90274790 | rs192407433 | A | C | 0.9692 | -0.4016 | 3.18E-11  | 44   |
| GCST90274790 | rs11099080  | T | C | 0.7141 | -0.1137 | 1.05E-16  | 69   |

|              |             |   |   |        |         |           |     |
|--------------|-------------|---|---|--------|---------|-----------|-----|
| GCST90274790 | rs80111044  | A | G | 0.9067 | 0.4326  | 2.00E-88  | 397 |
| GCST90274790 | rs6819923   | T | G | 0.8856 | 0.271   | 1.76E-43  | 191 |
| GCST90274790 | rs6842571   | A | G | 0.0496 | -0.1701 | 9.10E-09  | 33  |
| GCST90274790 | rs6848038   | A | G | 0.6999 | 0.1135  | 3.22E-15  | 62  |
| GCST90274790 | rs6848130   | T | C | 0.6945 | -0.3632 | 2.29E-140 | 636 |
| GCST90274790 | rs6853298   | A | G | 0.7303 | 0.0981  | 3.46E-12  | 48  |
| GCST90274790 | rs716678    | T | C | 0.906  | 0.4502  | 1.32E-95  | 430 |
| GCST90274790 | rs142562914 | T | C | 0.9891 | 0.5731  | 1.54E-08  | 32  |
| GCST90274790 | rs72655081  | T | C | 0.9131 | 0.3197  | 2.71E-44  | 195 |
| GCST90274790 | rs72655084  | A | G | 0.9125 | 0.312   | 1.26E-42  | 187 |
| GCST90274790 | rs72655088  | T | C | 0.9018 | 0.2856  | 5.40E-41  | 180 |
| GCST90274790 | rs62300384  | T | G | 0.0554 | -0.2384 | 8.44E-12  | 47  |
| GCST90274790 | rs6534834   | A | G | 0.8974 | 0.4212  | 4.85E-92  | 414 |
| GCST90274790 | rs10029510  | T | C | 0.7867 | 0.1277  | 1.30E-12  | 50  |
| GCST90274790 | rs10031757  | T | C | 0.2651 | -0.1756 | 4.65E-32  | 139 |
| GCST90274790 | rs72655096  | T | C | 0.074  | -0.3517 | 9.90E-47  | 206 |
| GCST90274790 | rs148168599 | A | G | 0.0128 | 0.4219  | 4.00E-09  | 35  |
| GCST90274790 | rs148618069 | C | G | 0.9857 | -0.3756 | 1.20E-08  | 32  |
| GCST90274790 | rs72656506  | T | C | 0.9276 | 0.3515  | 2.58E-46  | 204 |
| GCST90274790 | rs72656507  | T | C | 0.0736 | -0.3473 | 1.30E-45  | 201 |
| GCST90274790 | rs10518238  | A | T | 0.016  | -0.3357 | 4.13E-08  | 30  |
| GCST90274790 | rs2292844   | C | G | 0.7126 | -0.1127 | 2.64E-14  | 58  |
| GCST90274790 | rs28422157  | T | C | 0.0492 | -0.2328 | 2.90E-11  | 44  |
| GCST90274790 | rs28450953  | A | T | 0.9262 | 0.1523  | 5.98E-10  | 38  |
| GCST90274790 | rs10012072  | A | G | 0.9167 | 0.4421  | 1.76E-84  | 379 |
| GCST90274790 | rs10018275  | T | C | 0.7415 | 0.0963  | 1.65E-11  | 45  |
| GCST90274790 | rs72656514  | A | G | 0.1144 | -0.2741 | 5.23E-44  | 194 |
| GCST90274790 | rs28519513  | T | C | 0.0834 | -0.4452 | 1.21E-85  | 385 |
| GCST90274790 | rs28568466  | A | G | 0.9366 | 0.188   | 4.92E-11  | 43  |
| GCST90274790 | rs17004859  | A | G | 0.0159 | -0.3799 | 4.73E-10  | 39  |
| GCST90274790 | rs17004861  | T | C | 0.9196 | 0.4552  | 5.38E-85  | 382 |

|              |             |   |   |        |         |           |     |
|--------------|-------------|---|---|--------|---------|-----------|-----|
| GCST90274790 | rs77163232  | T | C | 0.9572 | 0.5126  | 1.69E-50  | 223 |
| GCST90274790 | rs77192228  | C | G | 0.0629 | -0.1996 | 6.90E-11  | 43  |
| GCST90274790 | rs77867442  | A | G | 0.8624 | -0.1073 | 6.63E-09  | 34  |
| GCST90274790 | rs61245653  | T | C | 0.8869 | 0.2717  | 7.47E-43  | 188 |
| GCST90274790 | rs77993782  | C | G | 0.8169 | -0.1771 | 3.90E-25  | 107 |
| GCST90274790 | rs72656538  | A | G | 0.9282 | 0.3766  | 2.79E-51  | 227 |
| GCST90274790 | rs111502604 | A | C | 0.9498 | 0.1603  | 4.97E-08  | 30  |
| GCST90274790 | rs111718583 | A | G | 0.014  | 0.4536  | 2.28E-09  | 36  |
| GCST90274790 | rs111726705 | T | G | 0.2115 | 0.1019  | 1.50E-08  | 32  |
| GCST90274790 | rs6810403   | T | C | 0.4941 | 0.0884  | 4.20E-11  | 44  |
| GCST90274790 | rs113315687 | C | G | 0.9827 | -0.3553 | 9.02E-10  | 38  |
| GCST90274790 | rs6822404   | T | G | 0.1041 | -0.4434 | 1.54E-89  | 403 |
| GCST90274790 | rs6827834   | T | C | 0.4211 | 0.1813  | 1.14E-47  | 210 |
| GCST90274790 | rs72656560  | T | C | 0.9292 | 0.3867  | 1.48E-53  | 237 |
| GCST90274790 | rs72656561  | A | G | 0.0697 | -0.3878 | 1.94E-53  | 237 |
| GCST90274790 | rs6854711   | T | C | 0.7649 | 0.1432  | 1.04E-22  | 96  |
| GCST90274790 | rs72656563  | T | C | 0.0707 | -0.3851 | 3.97E-53  | 235 |
| GCST90274790 | rs143852018 | T | G | 0.9853 | -0.4833 | 1.82E-10  | 41  |
| GCST90274790 | rs144059387 | A | G | 0.9822 | 0.4543  | 2.04E-14  | 58  |
| GCST90274790 | rs1458025   | A | G | 0.4453 | 0.3097  | 1.45E-123 | 559 |
| GCST90274790 | rs72655089  | A | G | 0.0853 | -0.3183 | 3.40E-43  | 190 |
| GCST90274790 | rs72655090  | A | C | 0.0176 | -0.4649 | 1.01E-10  | 42  |
| GCST90274790 | rs72655092  | T | C | 0.0847 | -0.3169 | 7.86E-43  | 188 |
| GCST90274790 | rs72655094  | A | G | 0.0842 | -0.3212 | 1.37E-43  | 192 |
| GCST90274790 | rs147329494 | A | C | 0.0106 | -0.561  | 8.36E-10  | 38  |
| GCST90274790 | rs72656587  | C | G | 0.0412 | -0.2065 | 8.37E-11  | 42  |
| GCST90274790 | rs72656589  | T | C | 0.0707 | -0.4112 | 7.42E-60  | 266 |
| GCST90274790 | rs149985715 | T | G | 0.0144 | 0.3673  | 9.52E-09  | 33  |
| GCST90274790 | rs150111392 | T | C | 0.9934 | -0.5785 | 9.26E-10  | 37  |
| GCST90274790 | rs72656509  | T | C | 0.9157 | 0.3122  | 1.28E-36  | 160 |
| GCST90274790 | rs72656511  | C | G | 0.9276 | 0.3531  | 1.01E-46  | 206 |

|              |             |   |   |        |         |           |      |
|--------------|-------------|---|---|--------|---------|-----------|------|
| GCST90274790 | rs10857147  | A | T | 0.6983 | -0.5319 | 1.00E-200 | 1727 |
| GCST90274790 | rs11099077  | T | C | 0.7145 | -0.1143 | 7.24E-17  | 70   |
| GCST90274790 | rs11099078  | A | C | 0.7143 | -0.1134 | 1.26E-16  | 69   |
| GCST90274790 | rs11099079  | A | T | 0.2861 | 0.1142  | 7.70E-17  | 69   |
| GCST90274790 | rs17004852  | A | C | 0.0927 | -0.4285 | 8.59E-87  | 390  |
| GCST90274790 | rs17004855  | A | G | 0.9049 | 0.4178  | 6.95E-85  | 381  |
| GCST90274790 | rs17004857  | A | G | 0.0827 | -0.4492 | 1.14E-85  | 385  |
| GCST90274790 | rs72656517  | T | C | 0.0728 | -0.3526 | 3.12E-46  | 204  |
| GCST90274790 | rs72656518  | T | C | 0.9146 | 0.3166  | 7.71E-44  | 193  |
| GCST90274790 | rs72656521  | T | G | 0.0692 | -0.3582 | 3.67E-45  | 199  |
| GCST90274790 | rs72656525  | T | C | 0.0716 | -0.3642 | 1.05E-47  | 211  |
| GCST90274790 | rs72656528  | T | G | 0.9273 | 0.3659  | 6.96E-49  | 216  |
| GCST90274790 | rs72656529  | T | C | 0.9292 | 0.3731  | 1.35E-49  | 219  |
| GCST90274790 | rs72656531  | A | C | 0.0727 | -0.3652 | 1.05E-48  | 215  |
| GCST90274790 | rs72658401  | A | G | 0.855  | -0.1593 | 4.36E-14  | 57   |
| GCST90274790 | rs72868359  | A | G | 0.0408 | -0.205  | 7.00E-09  | 34   |
| GCST90274790 | rs72868360  | C | G | 0.0378 | -0.2    | 4.27E-08  | 30   |
| GCST90274790 | rs72868361  | A | T | 0.9616 | 0.2034  | 1.76E-08  | 32   |
| GCST90274790 | rs112800554 | T | C | 0.0529 | 0.3081  | 4.00E-18  | 75   |
| GCST90274790 | rs113087495 | T | C | 0.9635 | -0.3307 | 7.02E-22  | 92   |
| GCST90274790 | rs72656556  | A | T | 0.0412 | -0.2118 | 2.37E-11  | 45   |
| GCST90274790 | rs72656559  | A | T | 0.9581 | 0.2081  | 3.94E-11  | 44   |
| GCST90274790 | rs72656555  | A | G | 0.0703 | -0.3834 | 2.84E-52  | 231  |
| GCST90274790 | rs113625061 | A | G | 0.049  | -0.1696 | 1.96E-08  | 32   |
| GCST90274790 | rs113784670 | T | G | 0.0502 | -0.1644 | 2.25E-08  | 31   |
| GCST90274790 | rs74739012  | T | C | 0.813  | -0.1226 | 8.53E-15  | 60   |
| GCST90274790 | rs74990629  | A | G | 0.9855 | 0.5094  | 2.33E-17  | 72   |
| GCST90274790 | rs75116566  | T | C | 0.9071 | 0.4287  | 7.16E-87  | 390  |
| GCST90274790 | rs75874551  | C | G | 0.2231 | 0.1674  | 3.15E-26  | 112  |
| GCST90274790 | rs75936934  | A | G | 0.0174 | -0.3522 | 1.80E-11  | 45   |
| GCST90274790 | rs1458038   | T | C | 0.3173 | 0.5159  | 1.00E-200 | 1676 |

|              |             |   |   |        |         |           |      |
|--------------|-------------|---|---|--------|---------|-----------|------|
| GCST90274790 | rs1458044   | A | C | 0.0718 | -0.3684 | 9.01E-49  | 215  |
| GCST90274790 | rs1458046   | A | G | 0.4096 | 0.2028  | 2.76E-58  | 259  |
| GCST90274790 | rs146152600 | A | G | 0.9677 | -0.4496 | 2.22E-11  | 45   |
| GCST90274790 | rs146379067 | T | G | 0.9257 | 0.3826  | 1.20E-41  | 183  |
| GCST90274790 | rs146677714 | C | G | 0.0469 | 0.4874  | 7.04E-21  | 88   |
| GCST90274790 | rs72656591  | A | T | 0.0473 | 0.2348  | 1.11E-10  | 42   |
| GCST90274790 | rs72656593  | A | G | 0.9246 | 0.4294  | 1.92E-70  | 315  |
| GCST90274790 | rs150172324 | A | G | 0.056  | -0.1678 | 3.45E-09  | 35   |
| GCST90274790 | rs16998073  | A | T | 0.6966 | -0.5345 | 1.00E-200 | 1771 |
| GCST90274790 | rs17004827  | T | G | 0.1358 | 0.1123  | 1.56E-09  | 36   |
| GCST90274790 | rs17004829  | A | G | 0.2818 | -0.1048 | 4.72E-14  | 57   |
| GCST90274790 | rs17004832  | T | C | 0.9151 | 0.3191  | 2.10E-43  | 191  |
| GCST90274790 | rs72656513  | T | C | 0.0723 | -0.3523 | 1.61E-46  | 205  |
| GCST90274790 | rs17004837  | A | T | 0.0402 | -0.2101 | 5.94E-11  | 43   |
| GCST90274790 | rs17004843  | C | G | 0.8489 | 0.1719  | 3.84E-20  | 85   |
| GCST90274790 | rs72656516  | T | C | 0.9077 | 0.283   | 6.67E-37  | 161  |
| GCST90274790 | rs72658320  | T | C | 0.918  | 0.4451  | 3.78E-84  | 378  |
| GCST90274790 | rs72658321  | A | G | 0.9093 | 0.4355  | 5.40E-88  | 395  |
| GCST90274790 | rs72658323  | T | C | 0.0823 | -0.4472 | 6.30E-85  | 381  |
| GCST90274790 | rs72658326  | A | G | 0.0234 | -0.457  | 3.65E-21  | 89   |
| GCST90274790 | rs72658333  | T | G | 0.1576 | 0.4639  | 9.05E-142 | 643  |
| GCST90274790 | rs72658337  | A | G | 0.0823 | -0.4458 | 2.08E-84  | 379  |
| GCST90274790 | rs72658365  | T | C | 0.9204 | 0.4551  | 1.50E-83  | 375  |
| GCST90274790 | rs61305264  | A | T | 0.9271 | 0.3517  | 2.29E-46  | 204  |
| GCST90274790 | rs13135796  | T | C | 0.7768 | -0.1739 | 1.63E-28  | 123  |
| GCST90274790 | rs72656541  | A | G | 0.0717 | -0.3791 | 1.53E-51  | 228  |
| GCST90274790 | rs72656544  | T | C | 0.9841 | 0.4742  | 1.17E-11  | 46   |
| GCST90274790 | rs72656547  | T | C | 0.9302 | 0.3747  | 2.99E-49  | 218  |
| GCST90274790 | rs72656549  | A | G | 0.9299 | 0.3881  | 6.25E-54  | 239  |
| GCST90274790 | rs72656551  | T | C | 0.0694 | -0.3907 | 8.45E-54  | 238  |
| GCST90274790 | rs72656552  | T | C | 0.0696 | -0.3927 | 9.45E-55  | 243  |

|              |             |   |   |        |         |           |      |
|--------------|-------------|---|---|--------|---------|-----------|------|
| GCST90274790 | rs74613040  | A | G | 0.9892 | 0.6624  | 4.18E-11  | 44   |
| GCST90274790 | rs74628315  | T | C | 0.9136 | 0.3073  | 4.15E-42  | 185  |
| GCST90274790 | rs74655086  | A | T | 0.9266 | -0.2005 | 5.39E-10  | 39   |
| GCST90274790 | rs34050330  | A | G | 0.0827 | -0.4495 | 8.77E-86  | 385  |
| GCST90274790 | rs114100453 | T | C | 0.977  | -0.3673 | 1.23E-11  | 46   |
| GCST90274790 | rs114184382 | T | G | 0.0726 | -0.3517 | 2.29E-46  | 204  |
| GCST90274790 | rs114558123 | T | C | 0.0813 | -0.4455 | 1.39E-83  | 375  |
| GCST90274790 | rs114563177 | A | T | 0.0717 | -0.3732 | 2.17E-50  | 223  |
| GCST90274790 | rs115397861 | T | C | 0.9276 | 0.3506  | 4.35E-46  | 203  |
| GCST90274790 | rs115472232 | A | G | 0.9169 | 0.4476  | 8.31E-86  | 385  |
| GCST90274790 | rs115970000 | T | C | 0.9903 | 0.5657  | 1.80E-10  | 41   |
| GCST90274790 | rs116369174 | A | G | 0.0833 | -0.4454 | 1.02E-85  | 385  |
| GCST90274790 | rs116517833 | T | C | 0.0112 | -0.4768 | 1.24E-10  | 41   |
| GCST90274790 | rs116676780 | A | G | 0.0427 | -0.2339 | 2.91E-09  | 35   |
| GCST90274790 | rs76566213  | T | C | 0.9825 | -0.3829 | 1.08E-09  | 37   |
| GCST90274790 | rs7656864   | A | G | 0.2356 | -0.1431 | 1.11E-22  | 96   |
| GCST90274790 | rs7658533   | T | C | 0.7498 | 0.1587  | 1.28E-28  | 123  |
| GCST90274790 | rs7659152   | A | T | 0.9    | 0.4257  | 1.61E-90  | 407  |
| GCST90274790 | rs7664429   | A | G | 0.9302 | 0.2275  | 1.12E-20  | 87   |
| GCST90274790 | rs76674509  | A | G | 0.0493 | -0.1634 | 3.38E-08  | 30   |
| GCST90274790 | rs7668598   | T | G | 0.9297 | 0.2227  | 4.97E-20  | 84   |
| GCST90274790 | rs17004834  | C | G | 0.8135 | -0.1239 | 6.57E-15  | 61   |
| GCST90274790 | rs72658309  | T | C | 0.9079 | 0.4278  | 6.64E-89  | 400  |
| GCST90274790 | rs72658310  | T | G | 0.0837 | -0.4447 | 3.40E-86  | 387  |
| GCST90274790 | rs17004846  | A | G | 0.6004 | -0.3936 | 1.00E-200 | 1008 |
| GCST90274790 | rs7681907   | A | G | 0.4206 | 0.1954  | 3.65E-48  | 213  |
| GCST90274790 | rs7683390   | T | C | 0.1351 | -0.3448 | 6.60E-81  | 363  |
| GCST90274790 | rs7687973   | T | C | 0.7656 | 0.1596  | 1.44E-24  | 105  |
| GCST90274790 | rs76920241  | T | C | 0.0729 | -0.354  | 1.01E-38  | 169  |
| GCST90274790 | rs59133384  | A | C | 0.0163 | -0.3397 | 4.44E-09  | 34   |
| GCST90274790 | rs59592559  | A | C | 0.9082 | 0.3327  | 5.24E-43  | 189  |

|              |             |   |   |        |         |           |      |
|--------------|-------------|---|---|--------|---------|-----------|------|
| GCST90274790 | rs60855654  | T | G | 0.9138 | 0.3068  | 5.62E-42  | 184  |
| GCST90274790 | rs13125383  | T | C | 0.9916 | -0.5605 | 1.07E-10  | 42   |
| GCST90274790 | rs36077257  | T | C | 0.0453 | 0.4696  | 2.85E-41  | 181  |
| GCST90274790 | rs13138379  | C | G | 0.3115 | 0.1556  | 1.61E-26  | 114  |
| GCST90274790 | rs13149993  | A | G | 0.3467 | 0.4543  | 1.00E-200 | 1321 |
| GCST90274790 | rs1320142   | C | G | 0.7494 | 0.1582  | 1.90E-28  | 122  |
| GCST90274790 | rs1379704   | A | G | 0.0931 | -0.4532 | 2.74E-94  | 424  |
| GCST90274790 | rs72868378  | T | C | 0.0499 | -0.1705 | 7.49E-09  | 33   |
| GCST90274790 | rs74415709  | A | G | 0.2225 | 0.1717  | 1.65E-27  | 118  |
| GCST90274790 | rs3214026   | A | G | 0.9846 | 0.3922  | 2.69E-10  | 40   |
| GCST90274790 | rs33955730  | T | G | 0.0718 | -0.2938 | 3.01E-25  | 108  |
| GCST90274790 | rs33989035  | A | T | 0.0478 | -0.391  | 3.92E-29  | 126  |
| GCST90274790 | rs141241985 | T | C | 0.0541 | 0.2498  | 3.99E-15  | 62   |
| GCST90274790 | rs142234659 | T | C | 0.0708 | -0.3769 | 1.42E-50  | 224  |
| GCST90274790 | rs142267801 | A | G | 0.0204 | -0.4098 | 9.27E-14  | 56   |
| GCST90274790 | rs3806752   | T | G | 0.4484 | 0.2722  | 8.36E-107 | 482  |
| GCST90274790 | rs3817353   | C | G | 0.717  | -0.1163 | 3.53E-17  | 71   |
| GCST90274790 | rs3822010   | A | G | 0.1142 | -0.2741 | 5.23E-44  | 194  |
| GCST90274790 | rs3822013   | A | G | 0.1147 | -0.2721 | 8.07E-44  | 193  |
| GCST90274790 | rs3822015   | A | C | 0.5766 | -0.1901 | 1.96E-51  | 228  |
| GCST90274790 | rs76044929  | A | C | 0.9175 | 0.4458  | 3.92E-85  | 382  |
| GCST90274790 | rs76155044  | T | G | 0.0815 | -0.4474 | 2.79E-84  | 378  |
| GCST90274790 | rs76369210  | A | G | 0.9272 | 0.35    | 6.17E-46  | 202  |
| GCST90274790 | rs11727456  | T | C | 0.0934 | -0.4248 | 6.83E-87  | 390  |
| GCST90274790 | rs11930292  | A | T | 0.224  | -0.1501 | 1.42E-23  | 100  |
| GCST90274790 | rs11931162  | A | G | 0.9067 | 0.4361  | 7.87E-90  | 404  |
| GCST90274790 | rs72656598  | T | C | 0.0845 | -0.4405 | 1.31E-84  | 380  |
| GCST90274790 | rs72656599  | A | G | 0.3468 | 0.4531  | 1.00E-200 | 1293 |
| GCST90274790 | rs72656601  | A | G | 0.0893 | -0.4441 | 8.16E-90  | 404  |
| GCST90274790 | rs72658303  | C | G | 0.9165 | 0.4459  | 6.61E-86  | 386  |
| GCST90274790 | rs7670809   | A | C | 0.9137 | 0.308   | 2.72E-42  | 186  |

|              |             |   |   |        |         |           |      |
|--------------|-------------|---|---|--------|---------|-----------|------|
| GCST90274790 | rs7671171   | A | C | 0.9137 | 0.3074  | 3.91E-42  | 185  |
| GCST90274790 | rs7671364   | A | G | 0.9138 | 0.307   | 4.98E-42  | 185  |
| GCST90274790 | rs72658312  | A | G | 0.0923 | -0.4268 | 1.08E-87  | 394  |
| GCST90274790 | rs72658319  | A | G | 0.0836 | -0.4413 | 6.53E-85  | 381  |
| GCST90274790 | rs12646498  | T | G | 0.903  | 0.2813  | 8.04E-40  | 174  |
| GCST90274790 | rs12711161  | T | G | 0.6834 | -0.0878 | 4.07E-11  | 44   |
| GCST90274790 | rs12780     | C | G | 0.2856 | 0.1156  | 3.23E-17  | 71   |
| GCST90274790 | rs13102102  | T | C | 0.7342 | 0.1588  | 8.05E-30  | 129  |
| GCST90274790 | rs13110335  | A | C | 0.072  | -0.3726 | 1.04E-42  | 188  |
| GCST90274790 | rs13125101  | A | G | 0.3176 | 0.519   | 1.00E-200 | 1697 |
| GCST90274790 | rs36062555  | C | G | 0.2109 | 0.2025  | 5.02E-35  | 152  |
| GCST90274790 | rs3796607   | A | G | 0.9842 | 0.4398  | 1.20E-12  | 50   |
| GCST90274790 | rs36116997  | T | C | 0.9173 | 0.4512  | 3.01E-84  | 378  |
| GCST90274790 | rs372041304 | A | G | 0.9285 | 0.38    | 2.19E-41  | 182  |
| GCST90274790 | rs2867733   | A | G | 0.4452 | 0.3099  | 6.96E-122 | 551  |
| GCST90274790 | rs28715502  | C | G | 0.9813 | 0.3255  | 4.43E-11  | 43   |
| GCST90274790 | rs2903652   | C | G | 0.7138 | -0.1132 | 1.42E-16  | 68   |
| GCST90274790 | rs2903657   | A | G | 0.3652 | 0.4623  | 1.00E-200 | 1413 |
| GCST90274790 | rs1379706   | T | G | 0.8998 | 0.4258  | 2.09E-91  | 411  |
| GCST90274790 | rs1379707   | T | C | 0.4438 | 0.2863  | 6.01E-118 | 533  |
| GCST90274790 | rs139332928 | A | G | 0.0845 | -0.4424 | 2.52E-85  | 383  |
| GCST90274790 | rs3796603   | C | G | 0.9344 | 0.1625  | 1.05E-08  | 33   |
| GCST90274790 | rs3796605   | A | G | 0.9341 | 0.1629  | 8.60E-09  | 33   |
| GCST90274790 | rs3796606   | A | G | 0.5767 | -0.1885 | 1.33E-50  | 224  |
| GCST90274790 | rs56102626  | A | G | 0.0726 | -0.374  | 1.34E-50  | 224  |
| GCST90274790 | rs56128553  | A | G | 0.0863 | -0.308  | 2.72E-42  | 186  |
| GCST90274790 | rs72656565  | A | T | 0.07   | -0.3941 | 3.96E-55  | 245  |
| GCST90274790 | rs72656566  | T | C | 0.0698 | -0.3955 | 1.65E-55  | 246  |
| GCST90274790 | rs72656568  | T | G | 0.0699 | -0.3952 | 1.99E-55  | 246  |
| GCST90274790 | rs72656573  | T | C | 0.0391 | -0.2147 | 3.44E-11  | 44   |
| GCST90274790 | rs72656574  | T | G | 0.0393 | -0.2129 | 4.36E-11  | 43   |

|              |             |   |   |        |         |           |      |
|--------------|-------------|---|---|--------|---------|-----------|------|
| GCST90274790 | rs72656581  | C | G | 0.0715 | -0.3868 | 5.36E-54  | 239  |
| GCST90274790 | rs7654755   | A | G | 0.0938 | -0.4199 | 1.01E-85  | 385  |
| GCST90274790 | rs548229209 | A | T | 0.9341 | -0.4558 | 2.05E-35  | 154  |
| GCST90274790 | rs554860133 | A | T | 0.0091 | -0.5972 | 1.29E-08  | 32   |
| GCST90274790 | rs55862448  | T | C | 0.9137 | 0.3073  | 4.15E-42  | 185  |
| GCST90274790 | rs56038305  | T | G | 0.9369 | -0.1913 | 8.71E-10  | 38   |
| GCST90274790 | rs11934116  | T | C | 0.2788 | 0.1726  | 3.01E-32  | 140  |
| GCST90274790 | rs11943274  | A | C | 0.715  | -0.116  | 2.51E-17  | 72   |
| GCST90274790 | rs72658305  | A | G | 0.0889 | -0.4432 | 1.85E-89  | 402  |
| GCST90274790 | rs72658307  | A | G | 0.9157 | 0.4409  | 9.23E-85  | 381  |
| GCST90274790 | rs72658308  | A | C | 0.909  | 0.4295  | 5.57E-88  | 395  |
| GCST90274790 | rs7674575   | A | G | 0.2492 | -0.1587 | 3.03E-28  | 121  |
| GCST90274790 | rs76746163  | A | G | 0.0501 | -0.2569 | 2.08E-14  | 58   |
| GCST90274790 | rs58418317  | T | C | 0.1092 | -0.3377 | 9.72E-63  | 279  |
| GCST90274790 | rs58558196  | C | G | 0.088  | -0.4453 | 1.70E-89  | 402  |
| GCST90274790 | rs58846016  | A | C | 0.7153 | -0.1155 | 3.44E-17  | 71   |
| GCST90274790 | rs58981705  | T | C | 0.0468 | -0.2113 | 3.64E-12  | 48   |
| GCST90274790 | rs36011257  | A | G | 0.7874 | -0.201  | 6.15E-35  | 152  |
| GCST90274790 | rs36034102  | T | G | 0.273  | 0.497   | 1.00E-200 | 1208 |
| GCST90274790 | rs3733333   | A | G | 0.2861 | 0.1144  | 6.81E-17  | 70   |
| GCST90274790 | rs3733336   | A | G | 0.6419 | -0.263  | 9.88E-79  | 353  |
| GCST90274790 | rs12054583  | A | G | 0.5449 | -0.2781 | 1.18E-109 | 495  |
| GCST90274790 | rs56190605  | A | G | 0.8469 | 0.4029  | 5.72E-111 | 501  |
| GCST90274790 | rs3755913   | T | C | 0.9142 | 0.3147  | 1.06E-43  | 192  |
| GCST90274790 | rs3796598   | A | T | 0.2846 | 0.1137  | 1.73E-16  | 68   |
| GCST90274790 | rs3755912   | A | G | 0.1143 | -0.2715 | 1.24E-43  | 192  |
| GCST90274790 | rs1379705   | A | G | 0.9032 | 0.4378  | 9.57E-95  | 426  |
| GCST90274790 | rs35158370  | A | G | 0.0802 | -0.4555 | 2.14E-84  | 379  |
| GCST90274790 | rs34081792  | T | G | 0.8265 | -0.1612 | 9.19E-15  | 60   |
| GCST90274790 | rs3796599   | C | G | 0.7159 | -0.1132 | 2.35E-16  | 67   |
| GCST90274790 | rs35042559  | A | G | 0.92   | 0.4559  | 1.84E-82  | 370  |

|              |             |   |   |        |         |           |      |
|--------------|-------------|---|---|--------|---------|-----------|------|
| GCST90274790 | rs35206152  | A | T | 0.0159 | -0.4427 | 6.64E-13  | 52   |
| GCST90274790 | rs4600863   | A | T | 0.7787 | 0.1517  | 4.82E-24  | 102  |
| GCST90274790 | rs34188760  | A | T | 0.7752 | -0.1725 | 9.48E-28  | 119  |
| GCST90274790 | rs34383234  | T | C | 0.9956 | -0.8344 | 3.49E-08  | 30   |
| GCST90274790 | rs41279283  | A | C | 0.0711 | -0.3717 | 1.29E-49  | 219  |
| GCST90274790 | rs34916197  | C | G | 0.0163 | -0.4124 | 8.92E-11  | 42   |
| GCST90274790 | rs72656582  | T | C | 0.9286 | 0.389   | 1.36E-54  | 242  |
| GCST90274790 | rs72656586  | A | G | 0.0719 | -0.3946 | 4.01E-56  | 249  |
| GCST90274790 | rs35972397  | A | G | 0.0478 | -0.1701 | 2.20E-08  | 31   |
| GCST90274790 | rs12644836  | A | T | 0.9006 | 0.2808  | 2.08E-40  | 177  |
| GCST90274790 | rs56271428  | A | T | 0.0466 | -0.2256 | 9.65E-14  | 55   |
| GCST90274790 | rs56373850  | A | T | 0.918  | 0.1827  | 7.01E-14  | 56   |
| GCST90274790 | rs12644145  | A | G | 0.9012 | 0.2809  | 4.51E-40  | 176  |
| GCST90274790 | rs539453741 | T | C | 0.0122 | 0.3926  | 4.75E-08  | 30   |
| GCST90274790 | rs12645503  | A | C | 0.7141 | -0.1138 | 9.85E-17  | 69   |
| GCST90274790 | rs35830840  | T | C | 0.0826 | -0.4492 | 1.14E-85  | 385  |
| GCST90274790 | rs35954793  | A | C | 0.2207 | 0.4884  | 1.00E-200 | 968  |
| GCST90274790 | rs12509909  | A | G | 0.2984 | -0.1073 | 1.89E-15  | 63   |
| GCST90274790 | rs34819987  | T | C | 0.017  | 0.4197  | 8.76E-11  | 42   |
| GCST90274790 | rs12054632  | A | G | 0.0991 | -0.4244 | 5.59E-90  | 405  |
| GCST90274790 | rs12509595  | T | C | 0.695  | -0.5322 | 1.00E-200 | 1756 |
| GCST90274790 | rs4690142   | T | C | 0.7446 | 0.1717  | 5.84E-30  | 129  |
| GCST90274790 | rs56984496  | C | G | 0.0845 | -0.3228 | 5.22E-44  | 194  |
| GCST90274790 | rs34554001  | T | C | 0.0802 | -0.4437 | 3.55E-80  | 360  |
| GCST90274790 | rs34666116  | T | C | 0.7762 | -0.1721 | 1.25E-27  | 119  |
| GCST90274790 | rs35265667  | T | G | 0.0802 | -0.4461 | 5.02E-81  | 363  |
| GCST90274790 | rs35769171  | T | C | 0.1307 | -0.1589 | 6.48E-13  | 52   |
| GCST90274790 | rs35347726  | A | G | 0.9843 | 0.4202  | 9.01E-12  | 47   |
| GCST90274790 | rs570704553 | T | C | 0.0107 | -0.5726 | 1.48E-09  | 37   |
| GCST90274790 | rs57485868  | C | G | 0.9136 | 0.308   | 2.72E-42  | 186  |
| GCST90274790 | rs35265978  | T | C | 0.0475 | -0.1677 | 3.12E-08  | 31   |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274790 | rs34783620 | T | C | 0.0124 | 0.4047  | 2.96E-08 | 31  |
| GCST90274790 | rs35556069 | T | C | 0.284  | 0.1164  | 3.32E-17 | 71  |
| GCST90274790 | rs12513014 | A | G | 0.8283 | -0.1019 | 1.25E-08 | 32  |
| GCST90274790 | rs35728898 | T | C | 0.0162 | -0.4391 | 5.59E-13 | 52  |
| GCST90274790 | rs35727005 | T | C | 0.0831 | -0.4548 | 8.98E-88 | 394 |
| GCST90274790 | rs35662177 | A | G | 0.0146 | 0.4636  | 1.86E-13 | 54  |
| GCST90274790 | rs35394125 | T | C | 0.0215 | -0.4936 | 3.09E-22 | 94  |
| GCST90274799 | rs13118733 | A | G | 0.4957 | 0.0737  | 3.00E-08 | 31  |
| GCST90274799 | rs13119159 | A | G | 0.4958 | 0.0739  | 2.16E-08 | 31  |
| GCST90274799 | rs13125675 | T | G | 0.4911 | 0.0729  | 3.34E-08 | 31  |
| GCST90274799 | rs4861071  | A | G | 0.4959 | 0.0741  | 2.53E-08 | 31  |
| GCST90274799 | rs4861072  | T | C | 0.4952 | 0.0737  | 3.00E-08 | 31  |
| GCST90274803 | rs60441502 | T | G | 0.4615 | 0.089   | 1.69E-14 | 59  |
| GCST90274803 | rs206790   | A | G | 0.2946 | -0.1045 | 3.24E-16 | 67  |
| GCST90274803 | rs212680   | T | C | 0.5842 | 0.1669  | 2.03E-45 | 200 |
| GCST90274803 | rs59894106 | A | C | 0.4313 | 0.1163  | 2.78E-23 | 99  |
| GCST90274803 | rs599300   | A | G | 0.6593 | 0.1394  | 8.97E-30 | 128 |
| GCST90274803 | rs2064813  | T | G | 0.797  | 0.1275  | 2.48E-18 | 76  |
| GCST90274803 | rs59770035 | A | G | 0.4832 | 0.085   | 2.34E-13 | 54  |
| GCST90274803 | rs206848   | A | G | 0.4311 | -0.081  | 2.48E-10 | 40  |
| GCST90274803 | rs206822   | A | G | 0.6285 | 0.0984  | 4.21E-16 | 66  |
| GCST90274803 | rs2059959  | A | G | 0.658  | -0.1406 | 9.92E-31 | 133 |
| GCST90274803 | rs206821   | A | G | 0.2935 | -0.1026 | 2.97E-15 | 62  |
| GCST90274803 | rs212679   | A | C | 0.5853 | 0.1671  | 1.60E-45 | 201 |
| GCST90274803 | rs212684   | C | G | 0.7077 | 0.172   | 8.68E-42 | 183 |
| GCST90274803 | rs212685   | A | G | 0.2917 | -0.1714 | 1.65E-41 | 182 |
| GCST90274803 | rs2043055  | A | G | 0.6338 | -0.1385 | 8.13E-31 | 133 |
| GCST90274803 | rs212683   | A | T | 0.2934 | -0.1714 | 1.65E-41 | 182 |
| GCST90274803 | rs206811   | A | G | 0.3704 | -0.1137 | 2.67E-21 | 90  |
| GCST90274803 | rs206812   | T | C | 0.4952 | 0.0758  | 1.33E-10 | 41  |
| GCST90274803 | rs607294   | T | C | 0.3224 | -0.1342 | 2.69E-27 | 117 |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274803 | rs206816   | T | C | 0.3943 | -0.1101 | 2.20E-20 | 86  |
| GCST90274803 | rs206826   | A | C | 0.7026 | 0.1021  | 9.03E-16 | 65  |
| GCST90274803 | rs4937291  | C | G | 0.6716 | -0.1263 | 9.79E-25 | 105 |
| GCST90274803 | rs4937300  | T | C | 0.3983 | -0.1307 | 1.64E-28 | 123 |
| GCST90274803 | rs206823   | A | G | 0.7034 | 0.1039  | 4.77E-16 | 66  |
| GCST90274803 | rs206839   | T | C | 0.6873 | 0.1179  | 4.02E-21 | 89  |
| GCST90274803 | rs206840   | T | C | 0.6989 | 0.1263  | 1.20E-23 | 100 |
| GCST90274803 | rs206842   | A | G | 0.3048 | -0.11   | 3.70E-16 | 66  |
| GCST90274803 | rs212682   | A | G | 0.2925 | -0.1724 | 5.65E-42 | 184 |
| GCST90274803 | rs206806   | T | C | 0.3894 | -0.1053 | 8.85E-19 | 78  |
| GCST90274803 | rs206847   | T | C | 0.3636 | -0.1073 | 1.43E-18 | 77  |
| GCST90274803 | rs61902693 | T | C | 0.4396 | -0.0964 | 1.73E-16 | 68  |
| GCST90274803 | rs206849   | A | G | 0.408  | -0.0999 | 1.36E-17 | 73  |
| GCST90274803 | rs206851   | A | G | 0.2884 | -0.0963 | 1.29E-13 | 55  |
| GCST90274803 | rs206854   | A | G | 0.3311 | -0.1155 | 1.23E-20 | 87  |
| GCST90274803 | rs206827   | T | C | 0.3543 | -0.1018 | 7.17E-17 | 70  |
| GCST90274803 | rs206835   | A | C | 0.312  | -0.1181 | 3.45E-21 | 89  |
| GCST90274803 | rs206837   | T | C | 0.6871 | 0.1182  | 3.20E-21 | 89  |
| GCST90274803 | rs2068619  | T | G | 0.1711 | 0.0918  | 6.24E-09 | 34  |
| GCST90274803 | rs2069213  | T | C | 0.6346 | 0.0874  | 1.20E-12 | 50  |
| GCST90274803 | rs2073316  | A | G | 0.4594 | 0.0891  | 4.32E-14 | 57  |
| GCST90274803 | rs212686   | T | C | 0.4902 | 0.1391  | 3.94E-33 | 144 |
| GCST90274803 | rs206845   | A | G | 0.3047 | -0.1113 | 1.66E-16 | 68  |
| GCST90274803 | rs2082185  | A | G | 0.7435 | 0.1404  | 2.48E-25 | 108 |
| GCST90274803 | rs2091289  | A | G | 0.6078 | 0.1464  | 1.07E-33 | 146 |
| GCST90274803 | rs2103173  | T | C | 0.6699 | -0.1273 | 4.20E-25 | 107 |
| GCST90274803 | rs2115763  | A | T | 0.6639 | -0.1319 | 3.04E-27 | 117 |
| GCST90274803 | rs212678   | A | G | 0.5847 | 0.167   | 1.80E-45 | 200 |
| GCST90274803 | rs4937176  | A | G | 0.3426 | 0.1379  | 9.92E-29 | 124 |
| GCST90274803 | rs58811103 | C | G | 0.6606 | 0.1224  | 6.58E-20 | 83  |
| GCST90274803 | rs589427   | A | T | 0.3113 | -0.1479 | 2.67E-32 | 140 |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274803 | rs58967340  | T | C | 0.4084 | -0.1081 | 5.14E-20 | 84  |
| GCST90274803 | rs59255043  | T | C | 0.6558 | -0.0926 | 1.28E-13 | 55  |
| GCST90274803 | rs59673230  | A | G | 0.5296 | -0.1198 | 3.23E-24 | 103 |
| GCST90274803 | rs201628971 | A | C | 0.4531 | 0.0712  | 2.66E-08 | 31  |
| GCST90274803 | rs201769896 | C | G | 0.7145 | 0.1367  | 1.60E-22 | 95  |
| GCST90274803 | rs2038537   | T | C | 0.469  | -0.0687 | 1.03E-08 | 33  |
| GCST90274803 | rs59964343  | T | C | 0.477  | 0.0928  | 1.24E-15 | 64  |
| GCST90274803 | rs600015    | C | G | 0.6783 | 0.1419  | 2.53E-30 | 131 |
| GCST90274803 | rs4407291   | A | G | 0.4946 | 0.1311  | 3.99E-26 | 112 |
| GCST90274803 | rs608574    | C | G | 0.6567 | 0.1262  | 4.44E-25 | 107 |
| GCST90274803 | rs60962780  | A | T | 0.2424 | -0.1355 | 9.34E-23 | 96  |
| GCST90274803 | rs610758    | T | C | 0.4408 | -0.1371 | 1.03E-31 | 137 |
| GCST90274803 | rs61144237  | A | G | 0.1446 | -0.1308 | 1.42E-14 | 59  |
| GCST90274803 | rs612224    | A | C | 0.6931 | 0.1209  | 8.37E-22 | 92  |
| GCST90274803 | rs61316601  | T | C | 0.4351 | 0.0795  | 1.08E-11 | 46  |
| GCST90274803 | rs61399065  | A | G | 0.2946 | -0.1654 | 1.24E-37 | 164 |
| GCST90274803 | rs614173    | T | C | 0.6863 | 0.1444  | 5.89E-30 | 129 |
| GCST90274803 | rs206843    | T | G | 0.301  | -0.1273 | 5.35E-24 | 102 |
| GCST90274803 | rs61706447  | T | C | 0.4808 | 0.0781  | 3.63E-11 | 44  |
| GCST90274803 | rs617693    | A | T | 0.6675 | 0.1403  | 3.88E-30 | 130 |
| GCST90274803 | rs4622775   | T | C | 0.5711 | -0.0927 | 2.32E-15 | 63  |
| GCST90274803 | rs62134021  | T | C | 0.5228 | -0.1325 | 3.23E-30 | 130 |
| GCST90274803 | rs62134033  | A | G | 0.3899 | -0.1715 | 1.34E-45 | 201 |
| GCST90274803 | rs621357    | A | G | 0.6326 | 0.125   | 5.13E-25 | 107 |
| GCST90274803 | rs206858    | C | G | 0.6096 | 0.0941  | 7.43E-15 | 60  |
| GCST90274803 | rs206859    | A | G | 0.3719 | -0.1067 | 1.16E-18 | 78  |
| GCST90274803 | rs206860    | A | G | 0.7115 | 0.0864  | 4.24E-11 | 43  |
| GCST90274803 | rs62141168  | T | C | 0.4086 | -0.1073 | 9.61E-20 | 83  |
| GCST90274803 | rs62141223  | A | G | 0.4099 | -0.1179 | 1.66E-23 | 100 |
| GCST90274803 | rs62142079  | T | C | 0.4473 | 0.1323  | 3.57E-29 | 126 |
| GCST90274803 | rs62142080  | T | C | 0.5999 | -0.1298 | 7.58E-27 | 115 |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274803 | rs623419   | A | G | 0.324  | -0.1325 | 1.19E-26 | 114 |
| GCST90274803 | rs493162   | T | G | 0.4278 | 0.121   | 2.75E-24 | 103 |
| GCST90274803 | rs4935981  | A | C | 0.6573 | -0.1491 | 1.88E-25 | 109 |
| GCST90274803 | rs4935984  | A | G | 0.3401 | 0.1384  | 1.72E-28 | 123 |
| GCST90274803 | rs4937100  | A | G | 0.6587 | -0.1248 | 3.97E-23 | 98  |
| GCST90274803 | rs4937123  | A | G | 0.6607 | -0.1328 | 1.36E-27 | 118 |
| GCST90274803 | rs58774177 | T | C | 0.6645 | 0.0723  | 3.41E-08 | 30  |
| GCST90274803 | rs633376   | T | G | 0.2886 | -0.1437 | 5.36E-28 | 120 |
| GCST90274803 | rs635304   | T | C | 0.3083 | 0.0968  | 3.95E-14 | 57  |
| GCST90274803 | rs644103   | T | G | 0.6449 | 0.1299  | 4.52E-26 | 112 |
| GCST90274803 | rs4937303  | T | C | 0.3601 | 0.1024  | 8.42E-17 | 69  |
| GCST90274803 | rs4952089  | T | C | 0.3992 | 0.0683  | 7.12E-09 | 34  |
| GCST90274803 | rs4952197  | A | G | 0.2652 | -0.1238 | 3.38E-21 | 89  |
| GCST90274803 | rs4952203  | A | G | 0.2403 | -0.1346 | 8.80E-23 | 97  |
| GCST90274803 | rs4952205  | A | G | 0.5895 | 0.1555  | 1.81E-34 | 150 |
| GCST90274803 | rs4952207  | T | C | 0.4231 | -0.1217 | 2.44E-25 | 108 |
| GCST90274803 | rs4952212  | C | G | 0.5809 | -0.0885 | 2.59E-13 | 53  |
| GCST90274803 | rs60151591 | T | C | 0.4516 | 0.0796  | 6.79E-12 | 47  |
| GCST90274803 | rs443609   | T | C | 0.582  | 0.17    | 7.75E-45 | 197 |
| GCST90274803 | rs4441051  | C | G | 0.3095 | 0.0852  | 1.36E-11 | 46  |
| GCST90274803 | rs444226   | A | G | 0.4076 | 0.0995  | 5.99E-16 | 65  |
| GCST90274803 | rs449348   | A | G | 0.6391 | 0.1073  | 9.16E-18 | 74  |
| GCST90274803 | rs4519572  | A | G | 0.5101 | -0.1389 | 1.38E-33 | 146 |
| GCST90274803 | rs4530415  | T | C | 0.437  | -0.1273 | 5.09E-28 | 120 |
| GCST90274803 | rs454119   | A | G | 0.475  | 0.1213  | 1.34E-22 | 96  |
| GCST90274803 | rs455060   | A | G | 0.5992 | 0.1498  | 3.35E-35 | 153 |
| GCST90274803 | rs61447033 | T | G | 0.532  | -0.0773 | 1.55E-09 | 36  |
| GCST90274803 | rs455737   | A | G | 0.3413 | -0.1089 | 5.48E-18 | 75  |
| GCST90274803 | rs458628   | A | G | 0.6188 | 0.096   | 5.96E-15 | 61  |
| GCST90274803 | rs75591480 | A | G | 0.6347 | 0.0956  | 2.04E-14 | 58  |
| GCST90274803 | rs4623935  | A | G | 0.755  | -0.0771 | 1.12E-08 | 33  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274803 | rs462878   | A | G | 0.2792 | -0.1544 | 5.17E-33 | 143 |
| GCST90274803 | rs466125   | A | G | 0.5847 | 0.1714  | 2.78E-46 | 204 |
| GCST90274803 | rs62136260 | T | C | 0.4056 | 0.0885  | 1.44E-12 | 50  |
| GCST90274803 | rs62136345 | T | G | 0.4076 | 0.08    | 2.62E-11 | 44  |
| GCST90274803 | rs62136349 | A | G | 0.4052 | 0.0824  | 9.77E-12 | 46  |
| GCST90274803 | rs472101   | T | G | 0.6072 | 0.172   | 3.89E-45 | 199 |
| GCST90274803 | rs477517   | T | C | 0.6878 | 0.1488  | 1.13E-32 | 142 |
| GCST90274803 | rs481126   | A | G | 0.4683 | 0.1209  | 1.24E-24 | 105 |
| GCST90274803 | rs481344   | A | G | 0.2992 | -0.1438 | 1.01E-29 | 128 |
| GCST90274803 | rs490457   | A | C | 0.3249 | -0.1392 | 3.05E-29 | 126 |
| GCST90274803 | rs57785053 | T | C | 0.2452 | -0.1109 | 1.48E-15 | 64  |
| GCST90274803 | rs57971483 | T | C | 0.6538 | -0.09   | 3.93E-13 | 53  |
| GCST90274803 | rs58067528 | A | G | 0.5913 | 0.1074  | 8.89E-20 | 83  |
| GCST90274803 | rs58071748 | T | C | 0.468  | 0.0831  | 7.85E-13 | 51  |
| GCST90274803 | rs58364223 | A | G | 0.544  | -0.0898 | 9.83E-15 | 60  |
| GCST90274803 | rs633233   | T | C | 0.6741 | 0.1415  | 1.26E-30 | 132 |
| GCST90274803 | rs805830   | T | C | 0.3571 | -0.1023 | 2.75E-16 | 67  |
| GCST90274803 | rs805831   | C | G | 0.2951 | -0.1746 | 3.99E-41 | 180 |
| GCST90274803 | rs806584   | T | C | 0.5125 | -0.1224 | 1.30E-25 | 109 |
| GCST90274803 | rs806645   | T | C | 0.3251 | -0.1437 | 4.70E-31 | 134 |
| GCST90274803 | rs806648   | T | C | 0.41   | -0.1428 | 1.18E-32 | 142 |
| GCST90274803 | rs873411   | A | G | 0.6714 | -0.1245 | 4.42E-24 | 102 |
| GCST90274803 | rs9308925  | T | G | 0.692  | 0.1456  | 7.74E-23 | 97  |
| GCST90274803 | rs9636426  | T | C | 0.4513 | 0.0811  | 2.72E-12 | 49  |
| GCST90274803 | rs964195   | T | C | 0.665  | 0.0732  | 1.07E-08 | 33  |
| GCST90274803 | rs9667356  | T | C | 0.6905 | -0.0848 | 1.17E-11 | 46  |
| GCST90274803 | rs975020   | A | G | 0.1529 | 0.1107  | 3.39E-11 | 44  |
| GCST90274803 | rs72863937 | A | G | 0.4293 | -0.1106 | 3.29E-21 | 89  |
| GCST90274803 | rs72863940 | T | C | 0.4976 | -0.1328 | 2.40E-30 | 131 |
| GCST90274803 | rs730879   | A | G | 0.6484 | -0.1351 | 6.03E-29 | 125 |
| GCST90274803 | rs7370704  | A | G | 0.577  | 0.1599  | 7.20E-40 | 175 |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274803 | rs74177012  | T | G | 0.7483 | 0.1074  | 7.10E-15 | 61  |
| GCST90274803 | rs744780    | C | G | 0.828  | -0.0953 | 7.66E-09 | 33  |
| GCST90274803 | rs74494678  | C | G | 0.0176 | -0.363  | 1.64E-12 | 50  |
| GCST90274803 | rs74787324  | A | G | 0.9532 | 0.1633  | 3.45E-08 | 30  |
| GCST90274803 | rs45569233  | T | C | 0.3509 | 0.1356  | 3.78E-29 | 126 |
| GCST90274803 | rs7556942   | A | G | 0.2929 | -0.1709 | 2.81E-41 | 181 |
| GCST90274803 | rs7557451   | T | C | 0.1031 | -0.1233 | 7.05E-10 | 38  |
| GCST90274803 | rs564310    | A | G | 0.5099 | -0.1216 | 2.66E-25 | 108 |
| GCST90274803 | rs7559964   | A | G | 0.5863 | 0.1665  | 3.29E-45 | 199 |
| GCST90274803 | rs7561519   | T | C | 0.5827 | 0.1671  | 1.60E-45 | 201 |
| GCST90274803 | rs7562653   | T | C | 0.2913 | -0.1749 | 2.92E-41 | 181 |
| GCST90274803 | rs466126    | A | G | 0.597  | 0.1671  | 2.22E-43 | 191 |
| GCST90274803 | rs466146    | T | G | 0.5746 | -0.0885 | 4.04E-13 | 53  |
| GCST90274803 | rs467523    | A | G | 0.5301 | -0.1304 | 2.55E-29 | 126 |
| GCST90274803 | rs5744258   | C | G | 0.7593 | 0.2015  | 2.24E-50 | 223 |
| GCST90274803 | rs5744267   | T | C | 0.9393 | 0.167   | 2.52E-10 | 40  |
| GCST90274803 | rs5744276   | C | G | 0.7611 | 0.2031  | 3.75E-51 | 226 |
| GCST90274803 | rs5744280   | A | G | 0.3402 | 0.124   | 7.48E-23 | 97  |
| GCST90274803 | rs5744292   | T | C | 0.7615 | 0.2012  | 3.78E-48 | 213 |
| GCST90274803 | rs7577408   | T | C | 0.4134 | -0.1675 | 9.85E-46 | 201 |
| GCST90274803 | rs7577696   | A | G | 0.584  | 0.1661  | 5.31E-45 | 198 |
| GCST90274803 | rs7581340   | T | C | 0.4121 | -0.1679 | 6.07E-46 | 202 |
| GCST90274803 | rs7581432   | A | G | 0.4987 | 0.1324  | 3.57E-30 | 130 |
| GCST90274803 | rs632148    | C | G | 0.3145 | -0.1424 | 4.58E-30 | 130 |
| GCST90274803 | rs1986134   | T | C | 0.4784 | 0.1206  | 1.05E-21 | 92  |
| GCST90274803 | rs1991626   | A | G | 0.5489 | -0.0757 | 7.53E-10 | 38  |
| GCST90274803 | rs199951934 | T | G | 0.6632 | 0.1484  | 1.31E-26 | 114 |
| GCST90274803 | rs200019826 | A | G | 0.5152 | -0.0735 | 9.35E-09 | 33  |
| GCST90274803 | rs200134508 | T | G | 0.7154 | 0.1365  | 3.64E-22 | 94  |
| GCST90274803 | rs2010704   | A | C | 0.4662 | 0.0704  | 4.45E-09 | 34  |
| GCST90274803 | rs201135218 | T | C | 0.6259 | -0.0858 | 1.52E-10 | 41  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274803 | rs72794604 | T | C | 0.5473 | -0.082  | 1.56E-12 | 50  |
| GCST90274803 | rs72794610 | A | G | 0.461  | 0.0872  | 5.59E-14 | 57  |
| GCST90274803 | rs72794621 | T | C | 0.4342 | 0.0818  | 2.72E-12 | 49  |
| GCST90274803 | rs72794634 | T | C | 0.0637 | 0.1436  | 1.06E-08 | 33  |
| GCST90274803 | rs72794644 | T | C | 0.9147 | -0.1212 | 4.15E-08 | 30  |
| GCST90274803 | rs72862234 | A | G | 0.4178 | -0.1614 | 3.08E-41 | 181 |
| GCST90274803 | rs437764   | T | C | 0.4004 | 0.1001  | 4.01E-16 | 66  |
| GCST90274803 | rs438408   | A | G | 0.6234 | 0.0801  | 7.41E-11 | 42  |
| GCST90274803 | rs12612824 | T | C | 0.344  | -0.1017 | 7.68E-17 | 69  |
| GCST90274803 | rs12614686 | A | G | 0.6397 | 0.1577  | 7.94E-39 | 170 |
| GCST90274803 | rs12617289 | A | G | 0.5867 | 0.1676  | 8.73E-46 | 202 |
| GCST90274803 | rs12617290 | A | G | 0.5871 | 0.167   | 1.80E-45 | 200 |
| GCST90274803 | rs12618002 | A | T | 0.6486 | 0.1547  | 1.99E-37 | 163 |
| GCST90274803 | rs75440961 | T | C | 0.6988 | 0.161   | 2.79E-36 | 158 |
| GCST90274803 | rs1265340  | T | C | 0.4035 | -0.175  | 2.08E-47 | 209 |
| GCST90274803 | rs1265341  | T | C | 0.5813 | 0.1689  | 2.79E-44 | 195 |
| GCST90274803 | rs12678078 | A | G | 0.1772 | 0.0925  | 1.13E-08 | 33  |
| GCST90274803 | rs56740303 | A | G | 0.4131 | -0.1662 | 4.71E-45 | 198 |
| GCST90274803 | rs56861054 | C | G | 0.3509 | 0.1047  | 9.61E-17 | 69  |
| GCST90274803 | rs569320   | T | C | 0.2893 | -0.1492 | 7.23E-32 | 138 |
| GCST90274803 | rs75649625 | A | G | 0.2792 | -0.1794 | 5.75E-44 | 193 |
| GCST90274803 | rs7566162  | T | C | 0.584  | 0.1669  | 2.03E-45 | 200 |
| GCST90274803 | rs75688847 | T | C | 0.6946 | 0.1485  | 1.50E-32 | 141 |
| GCST90274803 | rs7569264  | A | C | 0.7406 | 0.1537  | 4.96E-30 | 130 |
| GCST90274803 | rs7572964  | A | T | 0.6393 | 0.1578  | 7.12E-39 | 170 |
| GCST90274803 | rs7574000  | A | C | 0.7081 | 0.1726  | 4.56E-42 | 185 |
| GCST90274803 | rs7575139  | T | C | 0.5868 | 0.1671  | 1.60E-45 | 201 |
| GCST90274803 | rs7575607  | A | G | 0.603  | 0.1129  | 1.09E-21 | 92  |
| GCST90274803 | rs1945110  | A | T | 0.6906 | -0.0855 | 1.16E-11 | 46  |
| GCST90274803 | rs1972421  | T | C | 0.3411 | 0.1377  | 1.19E-28 | 123 |
| GCST90274803 | rs1978638  | T | G | 0.4073 | -0.106  | 1.02E-18 | 78  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274803 | rs1978639  | A | C | 0.4818 | 0.0832  | 1.78E-12 | 50  |
| GCST90274803 | rs1978824  | T | C | 0.739  | 0.1401  | 1.39E-25 | 109 |
| GCST90274803 | rs7582322  | T | C | 0.6225 | 0.0866  | 2.87E-12 | 49  |
| GCST90274803 | rs7585845  | T | C | 0.5371 | -0.0883 | 2.70E-14 | 58  |
| GCST90274803 | rs7587666  | T | C | 0.2804 | -0.1589 | 2.34E-34 | 149 |
| GCST90274803 | rs7588883  | A | G | 0.4904 | 0.1385  | 2.10E-33 | 145 |
| GCST90274803 | rs7592239  | A | C | 0.35   | -0.1552 | 1.17E-37 | 165 |
| GCST90274803 | rs646674   | A | G | 0.2791 | -0.151  | 2.66E-30 | 131 |
| GCST90274803 | rs652894   | A | G | 0.6208 | 0.1255  | 8.07E-25 | 106 |
| GCST90274803 | rs654265   | A | G | 0.6412 | 0.1245  | 4.42E-24 | 102 |
| GCST90274803 | rs6543630  | A | G | 0.2946 | -0.13   | 1.36E-24 | 105 |
| GCST90274803 | rs6543646  | A | G | 0.0164 | -0.3728 | 3.31E-13 | 53  |
| GCST90274803 | rs6543647  | A | G | 0.5805 | 0.1629  | 5.63E-42 | 184 |
| GCST90274803 | rs212687   | A | G | 0.4903 | 0.1386  | 6.63E-33 | 143 |
| GCST90274803 | rs4952215  | A | G | 0.5779 | 0.1103  | 8.98E-21 | 87  |
| GCST90274803 | rs4952218  | A | T | 0.3009 | -0.1236 | 2.20E-22 | 95  |
| GCST90274803 | rs4952219  | A | G | 0.4256 | 0.0751  | 1.37E-10 | 41  |
| GCST90274803 | rs4952220  | A | C | 0.5599 | 0.1404  | 3.55E-33 | 144 |
| GCST90274803 | rs4952235  | A | G | 0.6809 | 0.139   | 7.03E-28 | 120 |
| GCST90274803 | rs4952236  | T | G | 0.4569 | 0.0815  | 2.13E-12 | 49  |
| GCST90274803 | rs4952239  | A | T | 0.3479 | -0.1109 | 1.95E-19 | 81  |
| GCST90274803 | rs4952244  | A | G | 0.2794 | -0.1588 | 8.06E-34 | 147 |
| GCST90274803 | rs12620922 | A | G | 0.4135 | -0.1684 | 3.31E-46 | 204 |
| GCST90274803 | rs76393033 | A | G | 0.9839 | 0.3643  | 2.86E-13 | 53  |
| GCST90274803 | rs76419451 | C | G | 0.8175 | -0.091  | 1.29E-08 | 32  |
| GCST90274803 | rs765138   | T | G | 0.401  | -0.106  | 2.63E-19 | 81  |
| GCST90274803 | rs12678438 | A | G | 0.1793 | 0.0927  | 1.05E-08 | 33  |
| GCST90274803 | rs12679598 | A | G | 0.8171 | -0.0928 | 4.27E-09 | 34  |
| GCST90274803 | rs12679647 | T | G | 0.8177 | -0.0928 | 4.27E-09 | 34  |
| GCST90274803 | rs5744222  | T | G | 0.2452 | -0.195  | 5.65E-48 | 212 |
| GCST90274803 | rs5744240  | A | C | 0.341  | 0.1272  | 2.54E-24 | 104 |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274803 | rs5744241   | T | C | 0.8977 | 0.1785  | 1.90E-17 | 72  |
| GCST90274803 | rs5744249   | A | C | 0.7618 | 0.2039  | 1.53E-51 | 228 |
| GCST90274803 | rs5744256   | A | G | 0.7599 | 0.2001  | 2.02E-50 | 223 |
| GCST90274803 | rs193281442 | A | G | 0.9932 | 0.6333  | 2.74E-09 | 35  |
| GCST90274803 | rs1945093   | C | G | 0.6863 | -0.083  | 3.14E-11 | 44  |
| GCST90274803 | rs1945108   | T | C | 0.6905 | -0.0847 | 1.79E-11 | 45  |
| GCST90274803 | rs12989936  | T | C | 0.5804 | 0.1623  | 1.11E-41 | 183 |
| GCST90274803 | rs12991060  | T | G | 0.2535 | -0.1022 | 4.22E-13 | 53  |
| GCST90274803 | rs12991444  | T | G | 0.2939 | -0.1629 | 1.48E-36 | 159 |
| GCST90274803 | rs12992095  | A | C | 0.2304 | -0.1099 | 6.48E-15 | 61  |
| GCST90274803 | rs12992743  | A | G | 0.4081 | -0.1517 | 1.70E-35 | 155 |
| GCST90274803 | rs80011693  | T | C | 0.2334 | -0.2009 | 1.07E-46 | 206 |
| GCST90274803 | rs80079922  | A | G | 0.0831 | -0.1413 | 2.83E-10 | 40  |
| GCST90274803 | rs80330546  | A | T | 0.9824 | 0.3697  | 4.20E-13 | 53  |
| GCST90274803 | rs11526116  | A | G | 0.4205 | -0.111  | 5.12E-21 | 88  |
| GCST90274803 | rs11526117  | A | G | 0.6892 | -0.0767 | 2.07E-09 | 36  |
| GCST90274803 | rs1153121   | A | G | 0.4052 | 0.0968  | 3.55E-15 | 62  |
| GCST90274803 | rs1153122   | T | C | 0.3249 | -0.118  | 1.52E-20 | 86  |
| GCST90274803 | rs11606049  | T | C | 0.2416 | -0.2018 | 2.98E-51 | 227 |
| GCST90274803 | rs11674100  | A | G | 0.4795 | 0.0787  | 1.17E-11 | 46  |
| GCST90274803 | rs11676456  | A | G | 0.7439 | 0.1526  | 1.26E-29 | 128 |
| GCST90274803 | rs11676475  | T | C | 0.4979 | -0.1327 | 2.65E-30 | 131 |
| GCST90274803 | rs11676938  | T | C | 0.6023 | 0.1645  | 4.29E-42 | 185 |
| GCST90274803 | rs11678119  | T | C | 0.6387 | 0.1589  | 2.15E-39 | 172 |
| GCST90274803 | rs11678622  | T | C | 0.3908 | 0.0897  | 4.24E-11 | 44  |
| GCST90274803 | rs11678843  | C | G | 0.2827 | -0.1552 | 7.79E-34 | 147 |
| GCST90274803 | rs11679875  | A | G | 0.4767 | 0.0688  | 2.88E-08 | 31  |
| GCST90274803 | rs11683110  | T | C | 0.6388 | 0.1585  | 3.33E-39 | 172 |
| GCST90274803 | rs11683744  | T | C | 0.2801 | -0.1508 | 1.16E-30 | 133 |
| GCST90274803 | rs11683760  | T | C | 0.349  | -0.1541 | 3.75E-37 | 162 |
| GCST90274803 | rs11683842  | A | G | 0.3594 | -0.1589 | 2.15E-39 | 172 |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274803 | rs11683931 | A | G | 0.4035 | -0.1618 | 8.62E-43 | 188 |
| GCST90274803 | rs11684698 | A | T | 0.3123 | -0.1236 | 1.02E-22 | 96  |
| GCST90274803 | rs11686061 | T | C | 0.5827 | 0.1666  | 2.92E-45 | 199 |
| GCST90274803 | rs11689817 | A | T | 0.3583 | -0.1594 | 1.25E-39 | 174 |
| GCST90274803 | rs11690495 | A | C | 0.3057 | -0.125  | 1.33E-19 | 82  |
| GCST90274803 | rs11691879 | A | G | 0.413  | -0.1634 | 1.32E-43 | 192 |
| GCST90274803 | rs11691939 | T | C | 0.2921 | -0.1724 | 5.65E-42 | 184 |
| GCST90274803 | rs12681624 | C | G | 0.8179 | -0.0935 | 2.59E-09 | 35  |
| GCST90274803 | rs12712324 | C | G | 0.3162 | -0.1425 | 3.24E-29 | 126 |
| GCST90274803 | rs12712327 | T | C | 0.3435 | -0.1026 | 4.11E-17 | 71  |
| GCST90274803 | rs12716574 | A | G | 0.6645 | 0.0721  | 3.72E-08 | 30  |
| GCST90274803 | rs1272585  | T | C | 0.5128 | -0.1222 | 1.55E-25 | 109 |
| GCST90274803 | rs12795478 | A | T | 0.7207 | 0.1779  | 2.90E-43 | 190 |
| GCST90274803 | rs12796114 | A | C | 0.7532 | 0.1922  | 1.17E-46 | 206 |
| GCST90274803 | rs12797880 | T | C | 0.7539 | 0.1926  | 7.63E-47 | 207 |
| GCST90274803 | rs11904162 | A | G | 0.6689 | 0.1299  | 1.12E-25 | 110 |
| GCST90274803 | rs12363748 | A | G | 0.6145 | -0.1014 | 8.93E-14 | 56  |
| GCST90274803 | rs12419156 | T | C | 0.7844 | 0.1408  | 1.42E-17 | 73  |
| GCST90274803 | rs12420140 | A | G | 0.2711 | -0.1848 | 7.35E-46 | 202 |
| GCST90274803 | rs12420476 | A | C | 0.7528 | 0.1924  | 1.98E-47 | 209 |
| GCST90274803 | rs12464232 | T | G | 0.5512 | -0.0724 | 2.00E-08 | 31  |
| GCST90274803 | rs12465124 | A | G | 0.5234 | -0.1344 | 4.84E-31 | 134 |
| GCST90274803 | rs12467911 | T | C | 0.3023 | -0.1453 | 9.13E-31 | 133 |
| GCST90274803 | rs12468012 | A | C | 0.2799 | -0.1432 | 8.17E-28 | 119 |
| GCST90274803 | rs12469125 | A | G | 0.4841 | 0.0852  | 2.06E-13 | 54  |
| GCST90274803 | rs12470143 | T | C | 0.4612 | 0.123   | 2.87E-26 | 112 |
| GCST90274803 | rs12470196 | T | C | 0.5592 | 0.1484  | 7.28E-37 | 161 |
| GCST90274803 | rs12473298 | T | C | 0.5268 | -0.0941 | 4.98E-16 | 66  |
| GCST90274803 | rs12474443 | T | G | 0.4024 | -0.1638 | 8.22E-44 | 193 |
| GCST90274803 | rs12474598 | A | G | 0.4994 | 0.1314  | 9.58E-30 | 128 |
| GCST90274803 | rs12478134 | C | G | 0.7198 | 0.1686  | 2.33E-37 | 163 |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274803 | rs10102644  | T | C | 0.8237 | -0.0933 | 8.45E-09 | 33  |
| GCST90274803 | rs10103957  | T | C | 0.1768 | 0.0929  | 9.78E-09 | 33  |
| GCST90274803 | rs10153876  | T | C | 0.7268 | 0.1382  | 1.19E-25 | 110 |
| GCST90274803 | rs10172308  | A | G | 0.3579 | -0.097  | 8.49E-15 | 60  |
| GCST90274803 | rs10172468  | A | C | 0.5235 | -0.1339 | 8.00E-31 | 133 |
| GCST90274803 | rs10172510  | A | G | 0.4597 | -0.0662 | 3.45E-08 | 30  |
| GCST90274803 | rs10181198  | A | G | 0.3416 | -0.1003 | 1.02E-15 | 64  |
| GCST90274803 | rs10182170  | A | G | 0.6208 | 0.0874  | 7.84E-13 | 51  |
| GCST90274803 | rs10193023  | C | G | 0.5853 | -0.0817 | 9.87E-12 | 46  |
| GCST90274803 | rs10207755  | T | C | 0.5796 | 0.1045  | 4.20E-19 | 80  |
| GCST90274803 | rs10208246  | A | G | 0.4704 | 0.1306  | 2.10E-29 | 127 |
| GCST90274803 | rs1033688   | A | G | 0.4201 | -0.1112 | 2.01E-21 | 90  |
| GCST90274803 | rs1033689   | T | G | 0.452  | 0.0815  | 2.13E-12 | 49  |
| GCST90274803 | rs1033751   | T | C | 0.4402 | -0.065  | 4.70E-08 | 30  |
| GCST90274803 | rs10431067  | T | C | 0.4393 | 0.0704  | 1.78E-09 | 36  |
| GCST90274803 | rs10439444  | T | C | 0.4452 | 0.1329  | 2.00E-29 | 127 |
| GCST90274803 | rs11694630  | A | G | 0.3603 | -0.1588 | 2.40E-39 | 172 |
| GCST90274803 | rs11695080  | C | G | 0.243  | -0.141  | 2.99E-21 | 90  |
| GCST90274803 | rs11695295  | T | C | 0.6824 | 0.1381  | 8.28E-29 | 124 |
| GCST90274803 | rs117276646 | A | G | 0.9624 | 0.1918  | 1.14E-09 | 37  |
| GCST90274803 | rs117974186 | A | G | 0.1778 | 0.0944  | 5.64E-09 | 34  |
| GCST90274803 | rs11821163  | A | T | 0.6128 | 0.1405  | 3.60E-32 | 139 |
| GCST90274803 | rs11825888  | A | G | 0.387  | -0.1394 | 1.08E-31 | 137 |
| GCST90274803 | rs11894988  | A | G | 0.2559 | -0.1204 | 1.52E-18 | 77  |
| GCST90274803 | rs10789893  | T | C | 0.3253 | 0.0812  | 2.24E-10 | 40  |
| GCST90274803 | rs10891324  | T | C | 0.1767 | 0.0957  | 4.33E-09 | 34  |
| GCST90274803 | rs10891325  | A | G | 0.6576 | -0.0853 | 3.56E-10 | 39  |
| GCST90274803 | rs10891326  | A | G | 0.3316 | 0.1102  | 1.31E-17 | 73  |
| GCST90274803 | rs10891328  | A | T | 0.6595 | -0.1264 | 1.11E-23 | 101 |
| GCST90274803 | rs10891329  | T | C | 0.3409 | 0.1256  | 2.10E-23 | 99  |
| GCST90274803 | rs12995952  | T | C | 0.3498 | -0.1547 | 1.99E-37 | 163 |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274803 | rs12996943 | C | G | 0.2922 | -0.1719 | 9.66E-42 | 183 |
| GCST90274803 | rs13000753 | T | C | 0.5855 | 0.1662  | 4.71E-45 | 198 |
| GCST90274803 | rs13006495 | T | C | 0.2915 | -0.1711 | 2.27E-41 | 182 |
| GCST90274803 | rs13006880 | A | G | 0.2538 | -0.153  | 2.32E-29 | 127 |
| GCST90274803 | rs13007972 | A | G | 0.6494 | 0.1548  | 1.79E-37 | 164 |
| GCST90274803 | rs13008192 | A | G | 0.6383 | 0.158   | 5.73E-39 | 171 |
| GCST90274803 | rs13010404 | T | G | 0.6368 | 0.0853  | 1.03E-10 | 42  |
| GCST90274803 | rs13010405 | A | T | 0.7158 | 0.1532  | 4.97E-29 | 125 |
| GCST90274803 | rs13013695 | A | G | 0.2674 | -0.1576 | 7.97E-34 | 147 |
| GCST90274803 | rs13017027 | T | C | 0.255  | -0.1506 | 1.69E-28 | 123 |
| GCST90274803 | rs13017189 | A | G | 0.5905 | 0.1638  | 8.22E-44 | 193 |
| GCST90274803 | rs13024004 | A | G | 0.5856 | 0.1666  | 2.92E-45 | 199 |
| GCST90274803 | rs13029752 | A | G | 0.5865 | 0.1664  | 3.71E-45 | 199 |
| GCST90274803 | rs13033833 | T | G | 0.5974 | 0.1493  | 2.17E-32 | 140 |
| GCST90274803 | rs13035097 | A | G | 0.6433 | 0.0979  | 2.90E-15 | 62  |
| GCST90274803 | rs1318196  | T | C | 0.6649 | 0.0735  | 9.35E-09 | 33  |
| GCST90274803 | rs13328843 | C | G | 0.3517 | 0.1354  | 4.56E-29 | 125 |
| GCST90274803 | rs13385788 | C | G | 0.4121 | 0.0862  | 1.05E-12 | 51  |
| GCST90274803 | rs13399071 | T | C | 0.4048 | 0.0827  | 8.22E-12 | 47  |
| GCST90274803 | rs13409142 | T | C | 0.6315 | 0.09    | 3.93E-13 | 53  |
| GCST90274803 | rs13425224 | A | T | 0.6336 | -0.0911 | 5.15E-12 | 48  |
| GCST90274803 | rs4952247  | T | C | 0.5863 | 0.1674  | 1.11E-45 | 201 |
| GCST90274803 | rs4952248  | A | G | 0.4109 | -0.1668 | 2.29E-45 | 200 |
| GCST90274803 | rs766273   | A | G | 0.538  | -0.0868 | 7.28E-14 | 56  |
| GCST90274803 | rs76785871 | A | G | 0.0991 | -0.1484 | 5.85E-13 | 52  |
| GCST90274803 | rs10490360 | A | G | 0.5868 | 0.1671  | 1.60E-45 | 201 |
| GCST90274803 | rs10732851 | T | C | 0.5613 | -0.0695 | 2.85E-09 | 35  |
| GCST90274803 | rs10736458 | A | C | 0.6734 | -0.0829 | 4.72E-11 | 43  |
| GCST90274803 | rs10736459 | T | C | 0.6732 | -0.0821 | 7.23E-11 | 42  |
| GCST90274803 | rs10749997 | T | C | 0.3263 | 0.0811  | 6.14E-11 | 43  |
| GCST90274803 | rs10779914 | A | C | 0.281  | -0.1603 | 6.19E-35 | 152 |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274803 | rs10789863 | A | T | 0.6588 | -0.1379 | 9.92E-29 | 124 |
| GCST90274803 | rs10789892 | T | C | 0.679  | -0.0806 | 3.04E-10 | 40  |
| GCST90274803 | rs79195656 | T | C | 0.0384 | -0.1962 | 4.71E-10 | 39  |
| GCST90274803 | rs7934997  | T | C | 0.3094 | 0.0853  | 1.29E-11 | 46  |
| GCST90274803 | rs7945731  | T | C | 0.3233 | 0.0818  | 1.19E-10 | 41  |
| GCST90274803 | rs7946315  | T | C | 0.3139 | 0.0828  | 3.50E-11 | 44  |
| GCST90274803 | rs79463215 | T | C | 0.1064 | -0.1308 | 3.89E-10 | 39  |
| GCST90274803 | rs79919995 | T | C | 0.3425 | 0.1378  | 1.09E-28 | 123 |
| GCST90274803 | rs524345   | A | T | 0.6665 | 0.1286  | 1.39E-25 | 109 |
| GCST90274803 | rs527112   | T | C | 0.2948 | -0.1443 | 6.45E-30 | 129 |
| GCST90274803 | rs534999   | T | C | 0.6775 | 0.1407  | 7.69E-30 | 129 |
| GCST90274803 | rs539213   | A | G | 0.6579 | 0.1294  | 1.71E-25 | 109 |
| GCST90274803 | rs545303   | A | G | 0.4363 | 0.117   | 6.36E-24 | 102 |
| GCST90274803 | rs546935   | A | G | 0.3128 | -0.1434 | 1.45E-29 | 127 |
| GCST90274803 | rs553464   | A | G | 0.6307 | 0.1291  | 3.61E-26 | 112 |
| GCST90274803 | rs55679051 | T | C | 0.328  | 0.088   | 2.87E-12 | 49  |
| GCST90274803 | rs55708293 | T | C | 0.451  | 0.0825  | 1.14E-12 | 51  |
| GCST90274803 | rs55715432 | T | C | 0.3257 | 0.0789  | 5.21E-10 | 39  |
| GCST90274803 | rs55730514 | T | C | 0.3524 | 0.0974  | 4.00E-15 | 62  |
| GCST90274803 | rs55741213 | A | G | 0.5631 | 0.0988  | 1.82E-16 | 68  |
| GCST90274803 | rs55764678 | T | C | 0.6344 | -0.0915 | 1.01E-13 | 55  |
| GCST90274803 | rs55772679 | T | C | 0.437  | -0.0985 | 1.26E-16 | 69  |
| GCST90274803 | rs55796887 | T | C | 0.5413 | 0.1057  | 6.55E-19 | 79  |
| GCST90274803 | rs55877106 | T | C | 0.4713 | 0.132   | 5.30E-30 | 129 |
| GCST90274803 | rs558803   | T | C | 0.6778 | 0.1404  | 1.01E-29 | 128 |
| GCST90274803 | rs55933129 | T | C | 0.4607 | 0.0875  | 4.59E-14 | 57  |
| GCST90274803 | rs56113707 | A | G | 0.5631 | 0.0986  | 2.09E-16 | 68  |
| GCST90274803 | rs56128492 | A | G | 0.2129 | 0.0952  | 5.19E-11 | 43  |
| GCST90274803 | rs56148003 | T | G | 0.4165 | 0.0807  | 1.76E-11 | 45  |
| GCST90274803 | rs56175176 | T | C | 0.2848 | -0.1351 | 4.83E-26 | 111 |
| GCST90274803 | rs56208031 | T | C | 0.5287 | -0.1316 | 7.87E-30 | 129 |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274803 | rs56247470  | T | G | 0.4533 | 0.0825  | 1.77E-12 | 50  |
| GCST90274803 | rs56271553  | T | C | 0.3279 | 0.0753  | 2.44E-08 | 31  |
| GCST90274803 | rs56322034  | T | C | 0.7079 | 0.1716  | 3.09E-42 | 185 |
| GCST90274803 | rs56406022  | T | G | 0.4147 | 0.0798  | 1.35E-11 | 46  |
| GCST90274803 | rs1864280   | A | G | 0.5782 | -0.0641 | 4.29E-08 | 30  |
| GCST90274803 | rs186763932 | T | C | 0.0158 | -0.3751 | 1.10E-13 | 55  |
| GCST90274803 | rs1884723   | A | G | 0.5279 | -0.0899 | 9.19E-15 | 60  |
| GCST90274803 | rs1894009   | A | G | 0.3206 | 0.0806  | 1.13E-10 | 42  |
| GCST90274803 | rs1896943   | T | C | 0.3418 | 0.1394  | 2.54E-29 | 126 |
| GCST90274803 | rs1901355   | A | G | 0.6602 | 0.1064  | 1.71E-17 | 72  |
| GCST90274803 | rs190662221 | A | G | 0.0088 | -0.435  | 7.61E-09 | 33  |
| GCST90274803 | rs191882    | C | G | 0.318  | -0.1038 | 9.46E-15 | 60  |
| GCST90274803 | rs7123686   | A | C | 0.6587 | -0.1406 | 9.92E-31 | 133 |
| GCST90274803 | rs7126701   | A | G | 0.7447 | -0.084  | 2.69E-10 | 40  |
| GCST90274803 | rs7127888   | T | C | 0.687  | -0.0822 | 4.83E-11 | 43  |
| GCST90274803 | rs7130255   | A | G | 0.3073 | 0.0871  | 4.76E-12 | 48  |
| GCST90274803 | rs7131094   | T | C | 0.2465 | -0.1927 | 6.85E-47 | 207 |
| GCST90274803 | rs71446036  | A | G | 0.2853 | -0.1305 | 2.32E-14 | 58  |
| GCST90274803 | rs71466729  | A | G | 0.2785 | -0.18   | 3.00E-44 | 195 |
| GCST90274803 | rs71478719  | A | G | 0.2218 | -0.1908 | 4.51E-40 | 176 |
| GCST90274803 | rs71478720  | T | C | 0.2376 | -0.1997 | 1.85E-47 | 209 |
| GCST90274803 | rs71478722  | A | G | 0.7186 | 0.1749  | 4.55E-33 | 144 |
| GCST90274803 | rs71478723  | A | G | 0.7212 | 0.1795  | 5.16E-44 | 194 |
| GCST90274803 | rs71478724  | A | G | 0.7212 | 0.1801  | 2.69E-44 | 195 |
| GCST90274803 | rs725631    | A | C | 0.3022 | -0.1466 | 2.74E-31 | 135 |
| GCST90274803 | rs72790682  | T | C | 0.4472 | 0.0781  | 5.27E-11 | 43  |
| GCST90274803 | rs1006070   | T | C | 0.5792 | 0.1101  | 1.05E-20 | 87  |
| GCST90274803 | rs10099546  | A | G | 0.8235 | -0.0908 | 3.73E-08 | 30  |
| GCST90274803 | rs428002    | A | G | 0.5825 | 0.1701  | 6.89E-45 | 198 |
| GCST90274803 | rs430759    | A | G | 0.3849 | -0.142  | 7.99E-33 | 142 |
| GCST90274803 | rs12479192  | T | C | 0.2811 | -0.1583 | 1.28E-33 | 146 |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274803 | rs12479415 | T | G | 0.3988 | -0.114  | 4.41E-22 | 93  |
| GCST90274803 | rs12611537 | A | T | 0.8592 | 0.1189  | 3.96E-11 | 44  |
| GCST90274803 | rs12611678 | A | G | 0.3598 | -0.1601 | 5.78E-40 | 175 |
| GCST90274803 | rs2268796  | A | G | 0.4317 | -0.1427 | 3.24E-34 | 149 |
| GCST90274803 | rs2268797  | T | C | 0.5661 | 0.1441  | 7.41E-35 | 152 |
| GCST90274803 | rs2268799  | T | C | 0.3253 | -0.1422 | 1.92E-30 | 132 |
| GCST90274803 | rs2276592  | A | G | 0.7266 | 0.107   | 8.93E-15 | 60  |
| GCST90274803 | rs2280967  | T | C | 0.5855 | 0.1663  | 4.18E-45 | 199 |
| GCST90274803 | rs2280968  | T | G | 0.2928 | -0.1704 | 4.79E-41 | 180 |
| GCST90274803 | rs2280969  | A | G | 0.403  | -0.1616 | 1.09E-42 | 188 |
| GCST90274803 | rs2280972  | T | C | 0.2593 | -0.1557 | 8.96E-31 | 133 |
| GCST90274803 | rs2280973  | A | C | 0.4714 | 0.1318  | 6.46E-30 | 129 |
| GCST90274803 | rs2294119  | T | C | 0.1787 | 0.0941  | 6.30E-09 | 34  |
| GCST90274803 | rs2294176  | A | G | 0.3578 | -0.1592 | 1.55E-39 | 173 |
| GCST90274803 | rs2294178  | A | C | 0.7097 | 0.1726  | 4.56E-42 | 185 |
| GCST90274803 | rs2294179  | A | G | 0.3595 | -0.1597 | 8.97E-40 | 174 |
| GCST90274803 | rs2300697  | T | C | 0.5692 | 0.0971  | 1.05E-16 | 69  |
| GCST90274803 | rs2300698  | A | G | 0.4295 | -0.0969 | 1.21E-16 | 69  |
| GCST90274803 | rs2300699  | T | G | 0.6672 | 0.1309  | 1.89E-26 | 113 |
| GCST90274803 | rs2300700  | A | G | 0.4502 | 0.1103  | 1.93E-21 | 90  |
| GCST90274803 | rs2300701  | A | G | 0.4297 | -0.097  | 1.13E-16 | 69  |
| GCST90274803 | rs2300703  | T | C | 0.4319 | -0.1449 | 3.17E-35 | 153 |
| GCST90274803 | rs2365555  | T | C | 0.5947 | 0.1611  | 1.95E-42 | 186 |
| GCST90274803 | rs2365558  | T | C | 0.4124 | -0.168  | 5.38E-46 | 203 |
| GCST90274803 | rs2365772  | T | C | 0.4756 | 0.0789  | 1.03E-11 | 46  |
| GCST90274803 | rs2365778  | T | C | 0.5183 | -0.0898 | 9.83E-15 | 60  |
| GCST90274803 | rs2366070  | A | C | 0.6563 | 0.1367  | 2.92E-28 | 122 |
| GCST90274803 | rs10891334 | A | G | 0.3429 | 0.1402  | 1.45E-30 | 132 |
| GCST90274803 | rs10891341 | A | C | 0.6596 | -0.1382 | 2.05E-28 | 122 |
| GCST90274803 | rs10891343 | T | C | 0.4761 | 0.1577  | 8.48E-43 | 188 |
| GCST90274803 | rs10891346 | A | T | 0.3278 | 0.1243  | 1.19E-23 | 100 |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274803 | rs10891348 | A | G | 0.6694 | -0.1259 | 1.37E-24 | 105 |
| GCST90274803 | rs10891349 | T | C | 0.6408 | -0.1021 | 1.81E-16 | 68  |
| GCST90274803 | rs7592356  | T | C | 0.3607 | -0.1587 | 2.68E-39 | 172 |
| GCST90274803 | rs7595578  | T | C | 0.4575 | 0.0821  | 1.47E-12 | 50  |
| GCST90274803 | rs7599125  | A | G | 0.548  | 0.0773  | 2.36E-10 | 40  |
| GCST90274803 | rs7600173  | T | C | 0.5808 | 0.1622  | 1.25E-41 | 183 |
| GCST90274803 | rs7600885  | T | C | 0.4174 | -0.1622 | 1.25E-41 | 183 |
| GCST90274803 | rs7601267  | A | G | 0.4201 | -0.1556 | 2.96E-37 | 163 |
| GCST90274803 | rs6543648  | A | G | 0.2922 | -0.1705 | 4.30E-41 | 180 |
| GCST90274803 | rs6543649  | A | G | 0.5867 | 0.1664  | 3.71E-45 | 199 |
| GCST90274803 | rs212689   | A | G | 0.7206 | 0.154   | 7.50E-33 | 143 |
| GCST90274803 | rs212690   | C | G | 0.2805 | -0.1351 | 1.24E-22 | 96  |
| GCST90274803 | rs212691   | A | G | 0.7208 | 0.154   | 7.50E-33 | 143 |
| GCST90274803 | rs212692   | T | G | 0.7296 | 0.1308  | 2.00E-17 | 72  |
| GCST90274803 | rs212694   | T | C | 0.5027 | 0.1208  | 2.15E-25 | 108 |
| GCST90274803 | rs212695   | T | G | 0.5984 | 0.1503  | 1.44E-36 | 160 |
| GCST90274803 | rs212696   | A | G | 0.2788 | -0.1539 | 8.23E-33 | 142 |
| GCST90274803 | rs212698   | A | C | 0.3854 | -0.1417 | 3.53E-32 | 139 |
| GCST90274803 | rs212699   | A | G | 0.3862 | -0.1431 | 8.77E-33 | 142 |
| GCST90274803 | rs212700   | A | G | 0.3763 | -0.1388 | 6.08E-31 | 134 |
| GCST90274803 | rs4952250  | T | G | 0.5882 | 0.1669  | 2.03E-45 | 200 |
| GCST90274803 | rs4952251  | A | G | 0.4618 | 0.0873  | 5.24E-14 | 57  |
| GCST90274803 | rs4952252  | T | C | 0.49   | 0.1388  | 1.53E-33 | 146 |
| GCST90274803 | rs4952255  | T | C | 0.3563 | -0.1001 | 6.88E-16 | 65  |
| GCST90274803 | rs4952262  | A | G | 0.5308 | -0.0724 | 1.17E-09 | 37  |
| GCST90274803 | rs4952263  | A | G | 0.4621 | 0.083   | 8.36E-13 | 51  |
| GCST90274803 | rs4952343  | A | G | 0.5735 | -0.0808 | 3.52E-11 | 44  |
| GCST90274803 | rs4988359  | T | C | 0.7602 | 0.2013  | 2.79E-50 | 222 |
| GCST90274803 | rs499362   | A | C | 0.3405 | -0.1387 | 1.72E-29 | 127 |
| GCST90274803 | rs502139   | T | C | 0.3271 | -0.1457 | 7.06E-32 | 138 |
| GCST90274803 | rs508562   | A | G | 0.5647 | 0.1008  | 3.41E-15 | 62  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274803 | rs518600   | T | C | 0.5583 | 0.1486  | 8.75E-36 | 156 |
| GCST90274803 | rs518923   | C | G | 0.349  | -0.1292 | 3.31E-26 | 112 |
| GCST90274803 | rs520041   | A | T | 0.6851 | 0.1386  | 9.95E-28 | 119 |
| GCST90274803 | rs522638   | A | G | 0.3141 | -0.1424 | 4.58E-30 | 130 |
| GCST90274803 | rs523349   | C | G | 0.696  | 0.1464  | 3.30E-31 | 135 |
| GCST90274803 | rs6733396  | A | G | 0.4204 | 0.0918  | 1.33E-13 | 55  |
| GCST90274803 | rs6733481  | A | C | 0.8726 | 0.1294  | 6.53E-13 | 52  |
| GCST90274803 | rs6737500  | T | C | 0.4174 | -0.1615 | 2.75E-41 | 181 |
| GCST90274803 | rs6739055  | T | G | 0.7043 | 0.1185  | 2.09E-20 | 86  |
| GCST90274803 | rs6743903  | T | G | 0.1159 | -0.121  | 1.23E-10 | 41  |
| GCST90274803 | rs6747488  | T | C | 0.4164 | -0.1675 | 9.85E-46 | 201 |
| GCST90274803 | rs6747560  | T | G | 0.3505 | -0.0804 | 8.94E-11 | 42  |
| GCST90274803 | rs6748621  | T | C | 0.5926 | 0.1566  | 6.35E-39 | 170 |
| GCST90274803 | rs6748639  | T | C | 0.279  | -0.1575 | 2.69E-33 | 145 |
| GCST90274803 | rs6749019  | A | C | 0.5394 | 0.0997  | 8.34E-18 | 74  |
| GCST90274803 | rs6749336  | A | G | 0.4196 | -0.163  | 5.03E-42 | 185 |
| GCST90274803 | rs6752375  | T | C | 0.3165 | 0.0973  | 7.18E-14 | 56  |
| GCST90274803 | rs67552207 | A | G | 0.3593 | 0.1021  | 1.81E-16 | 68  |
| GCST90274803 | rs6755811  | T | C | 0.3498 | -0.0941 | 5.15E-14 | 57  |
| GCST90274803 | rs6756085  | A | G | 0.7052 | 0.1666  | 1.34E-37 | 164 |
| GCST90274803 | rs6758752  | A | G | 0.7137 | 0.1119  | 2.29E-18 | 76  |
| GCST90274803 | rs6760040  | A | G | 0.3816 | 0.0908  | 1.31E-12 | 50  |
| GCST90274803 | rs6760105  | A | G | 0.5865 | 0.1679  | 6.07E-46 | 202 |
| GCST90274803 | rs6760199  | A | C | 0.2853 | -0.1334 | 1.97E-25 | 109 |
| GCST90274803 | rs676033   | T | C | 0.3105 | -0.1429 | 2.89E-30 | 131 |
| GCST90274803 | rs6761417  | A | G | 0.4617 | 0.1304  | 7.55E-29 | 124 |
| GCST90274803 | rs678251   | A | G | 0.47   | 0.1285  | 1.29E-27 | 119 |
| GCST90274803 | rs67830899 | T | C | 0.4577 | 0.0812  | 2.56E-12 | 49  |
| GCST90274803 | rs68051008 | A | G | 0.4753 | 0.0776  | 2.24E-11 | 45  |
| GCST90274803 | rs681482   | A | G | 0.329  | -0.1465 | 1.04E-32 | 142 |
| GCST90274803 | rs682895   | T | G | 0.3064 | -0.1494 | 6.34E-33 | 143 |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274803 | rs686005   | T | C | 0.294  | -0.1709 | 2.44E-38 | 168 |
| GCST90274803 | rs693918   | A | G | 0.432  | -0.1475 | 1.94E-36 | 159 |
| GCST90274803 | rs6998917  | A | G | 0.6645 | 0.0704  | 3.80E-08 | 30  |
| GCST90274803 | rs7101551  | T | G | 0.6763 | -0.0826 | 7.82E-11 | 42  |
| GCST90274803 | rs7104058  | A | C | 0.6905 | -0.0843 | 2.22E-11 | 45  |
| GCST90274803 | rs7106524  | A | G | 0.3639 | 0.1398  | 2.29E-31 | 136 |
| GCST90274803 | rs7116295  | A | T | 0.7781 | 0.1869  | 6.78E-34 | 147 |
| GCST90274803 | rs7121458  | A | G | 0.343  | 0.1398  | 2.12E-30 | 131 |
| GCST90274803 | rs7121554  | T | C | 0.2466 | -0.1926 | 1.59E-47 | 210 |
| GCST90274803 | rs387780   | T | C | 0.3448 | -0.1069 | 2.17E-17 | 72  |
| GCST90274803 | rs3882892  | T | C | 0.2371 | -0.1871 | 1.35E-37 | 164 |
| GCST90274803 | rs390480   | T | G | 0.6376 | 0.1041  | 4.65E-17 | 70  |
| GCST90274803 | rs3929085  | C | G | 0.1617 | 0.1242  | 1.03E-13 | 55  |
| GCST90274803 | rs3952614  | T | C | 0.4355 | 0.0705  | 1.70E-08 | 32  |
| GCST90274803 | rs398290   | T | C | 0.363  | -0.0958 | 7.19E-14 | 56  |
| GCST90274803 | rs4019431  | A | C | 0.3649 | -0.1009 | 1.94E-15 | 63  |
| GCST90274803 | rs4019436  | C | G | 0.6552 | 0.0988  | 9.55E-16 | 65  |
| GCST90274803 | rs408813   | T | G | 0.4147 | -0.1706 | 7.22E-46 | 202 |
| GCST90274803 | rs410469   | T | G | 0.292  | -0.1748 | 3.24E-41 | 181 |
| GCST90274803 | rs41280625 | T | C | 0.4725 | 0.1308  | 1.49E-28 | 123 |
| GCST90274803 | rs413836   | A | G | 0.4157 | -0.1017 | 3.55E-18 | 76  |
| GCST90274803 | rs419301   | C | G | 0.5863 | -0.1033 | 2.44E-16 | 67  |
| GCST90274803 | rs4258846  | T | C | 0.3568 | 0.1012  | 5.68E-16 | 66  |
| GCST90274803 | rs426723   | T | C | 0.4271 | 0.1004  | 3.26E-17 | 71  |
| GCST90274803 | rs4269955  | T | C | 0.6709 | -0.1256 | 4.11E-24 | 103 |
| GCST90274803 | rs2242093  | T | C | 0.8176 | -0.0921 | 5.57E-09 | 34  |
| GCST90274803 | rs2243844  | A | C | 0.4068 | 0.0828  | 2.27E-12 | 49  |
| GCST90274803 | rs2249109  | A | G | 0.6314 | 0.0882  | 7.46E-13 | 51  |
| GCST90274803 | rs2250217  | C | G | 0.5823 | -0.0851 | 1.33E-12 | 50  |
| GCST90274803 | rs2250417  | T | C | 0.4765 | 0.1573  | 1.37E-42 | 187 |
| GCST90274803 | rs2254106  | A | G | 0.4266 | 0.0836  | 1.39E-12 | 50  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274803 | rs7605242   | A | G | 0.4162 | -0.1675 | 9.85E-46 | 201 |
| GCST90274803 | rs7608229   | T | C | 0.4033 | -0.1619 | 7.67E-43 | 188 |
| GCST90274803 | rs76154830  | T | C | 0.08   | -0.1661 | 1.56E-13 | 54  |
| GCST90274803 | rs761925    | A | G | 0.4517 | 0.0803  | 4.44E-12 | 48  |
| GCST90274803 | rs762023    | A | G | 0.4187 | 0.0783  | 6.80E-11 | 43  |
| GCST90274803 | rs762025    | A | G | 0.3609 | -0.0929 | 1.62E-14 | 59  |
| GCST90274803 | rs111311302 | C | G | 0.7621 | 0.1948  | 3.93E-37 | 162 |
| GCST90274803 | rs111490936 | A | G | 0.5243 | -0.1214 | 1.19E-21 | 91  |
| GCST90274803 | rs1114962   | T | C | 0.4526 | 0.0818  | 1.77E-12 | 50  |
| GCST90274803 | rs1119292   | T | C | 0.2813 | -0.16   | 8.23E-35 | 151 |
| GCST90274803 | rs11214093  | T | C | 0.4436 | 0.1175  | 1.22E-22 | 96  |
| GCST90274803 | rs77203424  | A | G | 0.1669 | -0.1971 | 6.86E-33 | 143 |
| GCST90274803 | rs77408012  | A | G | 0.3079 | -0.1539 | 6.99E-29 | 124 |
| GCST90274803 | rs77697285  | A | G | 0.0149 | -0.3895 | 9.02E-12 | 47  |
| GCST90274803 | rs78404737  | A | G | 0.8998 | 0.1135  | 2.26E-08 | 31  |
| GCST90274803 | rs78427917  | A | G | 0.0155 | -0.3741 | 1.14E-12 | 51  |
| GCST90274803 | rs78733036  | A | C | 0.6008 | 0.1559  | 3.90E-33 | 144 |
| GCST90274803 | rs78841672  | C | G | 0.0969 | -0.1335 | 2.06E-10 | 40  |
| GCST90274803 | rs78864479  | A | G | 0.0146 | -0.3714 | 1.24E-12 | 50  |
| GCST90274803 | rs112810470 | A | G | 0.31   | 0.0791  | 6.42E-10 | 38  |
| GCST90274803 | rs112826068 | T | C | 0.3971 | -0.1565 | 2.23E-33 | 145 |
| GCST90274803 | rs113047286 | A | C | 0.9317 | 0.2062  | 9.21E-17 | 69  |
| GCST90274803 | rs113214367 | A | G | 0.0525 | -0.1759 | 2.81E-09 | 35  |
| GCST90274803 | rs113478665 | A | G | 0.0612 | -0.2029 | 7.61E-15 | 60  |
| GCST90274803 | rs2366547   | A | G | 0.2933 | -0.164  | 5.00E-37 | 162 |
| GCST90274803 | rs2366736   | A | C | 0.493  | 0.1263  | 2.30E-24 | 104 |
| GCST90274803 | rs2366894   | A | T | 0.3769 | -0.0818 | 2.02E-11 | 45  |
| GCST90274803 | rs2518356   | A | G | 0.657  | -0.1373 | 1.70E-28 | 123 |
| GCST90274803 | rs2564860   | A | T | 0.3413 | 0.1375  | 3.82E-28 | 121 |
| GCST90274803 | rs2566483   | A | G | 0.5814 | 0.1704  | 4.86E-45 | 198 |
| GCST90274803 | rs2568464   | T | C | 0.5893 | -0.0839 | 4.09E-12 | 48  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274803 | rs10891373 | A | G | 0.7596 | -0.0797 | 4.62E-09 | 34  |
| GCST90274803 | rs1090821  | T | C | 0.4446 | 0.1087  | 1.14E-17 | 73  |
| GCST90274803 | rs1090828  | T | C | 0.4828 | 0.1253  | 2.44E-26 | 113 |
| GCST90274803 | rs1090846  | T | C | 0.2879 | -0.1471 | 2.94E-29 | 126 |
| GCST90274803 | rs1090855  | T | C | 0.433  | -0.1471 | 2.99E-36 | 158 |
| GCST90274803 | rs7602067  | A | C | 0.4649 | 0.0819  | 1.66E-12 | 50  |
| GCST90274803 | rs7604289  | A | C | 0.3605 | -0.1577 | 7.94E-39 | 170 |
| GCST90274803 | rs7604559  | T | C | 0.4166 | -0.161  | 2.19E-42 | 186 |
| GCST90274803 | rs76045936 | T | C | 0.019  | -0.2782 | 3.49E-09 | 35  |
| GCST90274803 | rs374743   | T | G | 0.5827 | 0.1687  | 1.73E-43 | 191 |
| GCST90274803 | rs3750207  | T | G | 0.665  | 0.0729  | 1.23E-08 | 32  |
| GCST90274803 | rs375050   | T | C | 0.7087 | 0.1685  | 3.56E-40 | 176 |
| GCST90274803 | rs3752916  | T | C | 0.3592 | -0.1595 | 1.12E-39 | 174 |
| GCST90274803 | rs3752917  | T | C | 0.4615 | 0.1306  | 6.23E-29 | 125 |
| GCST90274803 | rs3754835  | T | G | 0.4015 | -0.1141 | 8.96E-22 | 92  |
| GCST90274803 | rs376751   | A | C | 0.282  | -0.1462 | 2.49E-27 | 117 |
| GCST90274803 | rs376914   | C | G | 0.6269 | 0.0949  | 1.21E-14 | 60  |
| GCST90274803 | rs3769602  | A | G | 0.3629 | -0.1582 | 4.61E-39 | 171 |
| GCST90274803 | rs3769603  | T | G | 0.3596 | -0.1593 | 1.39E-39 | 173 |
| GCST90274803 | rs3769604  | A | G | 0.416  | -0.168  | 5.38E-46 | 203 |
| GCST90274803 | rs3769605  | A | G | 0.7045 | 0.1693  | 3.69E-41 | 181 |
| GCST90274803 | rs3769606  | T | C | 0.602  | 0.1645  | 4.29E-42 | 185 |
| GCST90274803 | rs3769611  | A | G | 0.201  | -0.0864 | 3.26E-09 | 35  |
| GCST90274803 | rs3819331  | T | C | 0.85   | -0.113  | 1.74E-11 | 45  |
| GCST90274803 | rs385076   | T | C | 0.3734 | -0.1857 | 1.68E-51 | 228 |
| GCST90274803 | rs3851308  | A | G | 0.5235 | -0.134  | 7.24E-31 | 133 |
| GCST90274803 | rs3851310  | T | G | 0.3611 | -0.1589 | 2.15E-39 | 172 |
| GCST90274803 | rs3862978  | A | C | 0.555  | -0.0797 | 2.50E-08 | 31  |
| GCST90274803 | rs2208528  | T | C | 0.673  | 0.1443  | 2.29E-30 | 131 |
| GCST90274803 | rs2208532  | A | G | 0.5577 | 0.0954  | 1.97E-16 | 68  |
| GCST90274803 | rs2224310  | T | C | 0.7143 | 0.1323  | 4.85E-25 | 107 |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274803 | rs2235134   | A | G | 0.414  | -0.1674 | 1.96E-46 | 205 |
| GCST90274803 | rs223621    | T | C | 0.5113 | -0.1222 | 1.55E-25 | 109 |
| GCST90274803 | rs1135484   | A | G | 0.418  | 0.0782  | 7.19E-11 | 42  |
| GCST90274803 | rs113959366 | T | C | 0.1805 | 0.0934  | 3.39E-09 | 35  |
| GCST90274803 | rs113990650 | T | C | 0.1831 | 0.0927  | 4.44E-09 | 34  |
| GCST90274803 | rs114934788 | A | C | 0.0156 | -0.3681 | 2.52E-13 | 54  |
| GCST90274803 | rs115041447 | T | C | 0.0168 | -0.3759 | 2.61E-13 | 53  |
| GCST90274803 | rs35005972  | A | C | 0.6773 | 0.0965  | 7.70E-12 | 47  |
| GCST90274803 | rs35082717  | T | G | 0.7203 | 0.1655  | 4.63E-36 | 157 |
| GCST90274803 | rs35112079  | A | G | 0.2939 | -0.1508 | 1.43E-28 | 123 |
| GCST90274803 | rs35196278  | C | G | 0.298  | -0.1596 | 1.11E-35 | 155 |
| GCST90274803 | rs35337756  | A | G | 0.3132 | 0.0821  | 5.10E-11 | 43  |
| GCST90274803 | rs35369518  | T | C | 0.8769 | 0.1136  | 4.33E-10 | 39  |
| GCST90274803 | rs35641550  | A | G | 0.6509 | 0.1413  | 1.62E-27 | 118 |
| GCST90274803 | rs35837551  | A | G | 0.3922 | -0.0927 | 4.82E-14 | 57  |
| GCST90274803 | rs35978916  | T | C | 0.7273 | 0.1501  | 2.14E-30 | 131 |
| GCST90274803 | rs36014814  | A | G | 0.5868 | 0.1667  | 2.59E-45 | 200 |
| GCST90274803 | rs36077191  | T | C | 0.2462 | -0.1937 | 4.77E-48 | 212 |
| GCST90274803 | rs435572    | A | G | 0.4183 | -0.171  | 2.40E-45 | 200 |
| GCST90274803 | rs6543658   | A | G | 0.6321 | 0.0886  | 5.88E-13 | 52  |
| GCST90274803 | rs655548    | A | C | 0.3271 | -0.1495 | 1.79E-33 | 145 |
| GCST90274803 | rs6589297   | T | C | 0.6918 | -0.0878 | 3.21E-12 | 49  |
| GCST90274803 | rs6589298   | T | C | 0.6663 | -0.0817 | 8.92E-11 | 42  |
| GCST90274803 | rs659239    | T | C | 0.4181 | -0.1703 | 5.46E-45 | 198 |
| GCST90274803 | rs660393    | T | G | 0.4156 | -0.1437 | 4.74E-25 | 107 |
| GCST90274803 | rs660558    | A | G | 0.6517 | 0.1287  | 5.12E-26 | 111 |
| GCST90274803 | rs13427170  | A | G | 0.523  | -0.1346 | 3.96E-31 | 135 |
| GCST90274803 | rs13431540  | A | G | 0.504  | -0.1314 | 1.80E-27 | 118 |
| GCST90274803 | rs1366815   | T | C | 0.4516 | 0.0803  | 4.44E-12 | 48  |
| GCST90274803 | rs1404792   | T | C | 0.3279 | 0.1248  | 3.44E-24 | 103 |
| GCST90274803 | rs1429372   | A | G | 0.5651 | -0.0686 | 1.09E-08 | 33  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274803 | rs1475054   | C | G | 0.7149 | 0.1327  | 3.50E-25 | 107 |
| GCST90274803 | rs148762192 | A | C | 0.8275 | -0.0978 | 1.58E-08 | 32  |
| GCST90274803 | rs1487888   | T | C | 0.178  | 0.0954  | 4.83E-09 | 34  |
| GCST90274803 | rs149808488 | A | G | 0.0177 | -0.3419 | 3.16E-11 | 44  |
| GCST90274803 | rs1510917   | A | G | 0.2784 | -0.1573 | 3.24E-33 | 144 |
| GCST90274803 | rs1534112   | A | G | 0.6695 | -0.1267 | 6.99E-25 | 106 |
| GCST90274803 | rs1534114   | A | C | 0.3306 | 0.1262  | 1.07E-24 | 105 |
| GCST90274803 | rs1534115   | A | G | 0.6696 | -0.1254 | 2.08E-24 | 104 |
| GCST90274803 | rs1580329   | A | G | 0.6921 | 0.1497  | 1.35E-31 | 137 |
| GCST90274803 | rs160797    | A | C | 0.6276 | -0.102  | 6.24E-17 | 70  |
| GCST90274803 | rs160803    | T | C | 0.5102 | -0.1219 | 2.03E-25 | 109 |
| GCST90274803 | rs223625    | T | C | 0.5085 | -0.1118 | 7.12E-19 | 79  |
| GCST90274803 | rs223627    | A | G | 0.469  | 0.1191  | 5.92E-24 | 102 |
| GCST90274803 | rs223629    | A | G | 0.4491 | 0.1166  | 5.01E-23 | 98  |
| GCST90274803 | rs223630    | T | C | 0.5123 | -0.1123 | 1.78E-21 | 91  |
| GCST90274803 | rs223631    | T | C | 0.4857 | 0.1182  | 1.28E-23 | 100 |
| GCST90274803 | rs223647    | T | C | 0.5056 | -0.126  | 4.81E-27 | 116 |
| GCST90274803 | rs223649    | T | C | 0.3354 | 0.085   | 1.05E-11 | 46  |
| GCST90274803 | rs223661    | A | G | 0.4645 | 0.1185  | 9.93E-24 | 101 |
| GCST90274803 | rs223665    | T | C | 0.5121 | -0.122  | 1.86E-25 | 109 |
| GCST90274803 | rs223674    | T | C | 0.5076 | -0.1125 | 4.32E-19 | 80  |
| GCST90274803 | rs223675    | A | G | 0.27   | -0.114  | 1.56E-15 | 64  |
| GCST90274803 | rs2583713   | A | G | 0.5839 | -0.082  | 8.30E-12 | 47  |
| GCST90274803 | rs2599510   | A | G | 0.4999 | -0.0924 | 4.86E-15 | 61  |
| GCST90274803 | rs111206654 | A | G | 0.4133 | -0.1534 | 4.24E-34 | 148 |
| GCST90274803 | rs4323906   | T | C | 0.4384 | -0.0972 | 9.76E-17 | 69  |
| GCST90274803 | rs433248    | T | C | 0.4077 | 0.0984  | 1.24E-15 | 64  |
| GCST90274803 | rs6543657   | T | C | 0.4308 | -0.0699 | 4.26E-09 | 35  |
| GCST90274803 | rs176415    | A | G | 0.3497 | -0.0984 | 3.49E-15 | 62  |
| GCST90274803 | rs176416    | A | G | 0.3996 | 0.0918  | 3.20E-13 | 53  |
| GCST90274803 | rs177082    | A | T | 0.2789 | -0.1558 | 1.39E-33 | 146 |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274803 | rs177083   | T | C | 0.5189 | 0.1119  | 5.08E-22 | 93  |
| GCST90274803 | rs17767988 | A | G | 0.414  | -0.166  | 5.99E-45 | 198 |
| GCST90274803 | rs1811349  | T | G | 0.8279 | -0.1056 | 5.24E-10 | 39  |
| GCST90274803 | rs1817437  | T | C | 0.2835 | -0.1302 | 2.82E-23 | 99  |
| GCST90274803 | rs1834481  | C | G | 0.7605 | 0.2005  | 6.77E-50 | 221 |
| GCST90274803 | rs1835169  | T | C | 0.4737 | 0.077   | 3.18E-11 | 44  |
| GCST90274803 | rs1852138  | A | G | 0.5811 | 0.1429  | 1.07E-32 | 142 |
| GCST90274803 | rs185925   | A | G | 0.6528 | 0.1124  | 6.35E-20 | 84  |
| GCST90274803 | rs186135   | T | C | 0.707  | 0.1715  | 1.48E-41 | 182 |
| GCST90274803 | rs212758   | A | T | 0.3714 | -0.1427 | 4.04E-31 | 135 |
| GCST90274803 | rs212759   | T | C | 0.3722 | -0.1434 | 2.08E-31 | 136 |
| GCST90274803 | rs212760   | A | G | 0.413  | -0.1664 | 3.71E-45 | 199 |
| GCST90274803 | rs212761   | T | C | 0.2818 | -0.1289 | 1.07E-12 | 51  |
| GCST90274803 | rs2163058  | T | C | 0.4681 | 0.0845  | 8.01E-13 | 51  |
| GCST90274803 | rs216544   | A | G | 0.5259 | -0.1317 | 7.13E-30 | 129 |
| GCST90274803 | rs2208158  | A | T | 0.7148 | 0.1334  | 1.97E-25 | 109 |
| GCST90274803 | rs6723154  | A | G | 0.3593 | -0.1588 | 2.40E-39 | 172 |
| GCST90274803 | rs6723226  | A | G | 0.6335 | 0.0981  | 1.52E-15 | 64  |
| GCST90274803 | rs67245191 | T | G | 0.3427 | 0.137   | 2.23E-28 | 122 |
| GCST90274803 | rs6725184  | T | C | 0.3962 | -0.1644 | 4.80E-42 | 185 |
| GCST90274803 | rs160804   | T | C | 0.3697 | 0.0933  | 2.05E-14 | 58  |
| GCST90274803 | rs160805   | A | G | 0.628  | -0.0927 | 3.00E-14 | 58  |
| GCST90274803 | rs17011633 | A | G | 0.9838 | 0.3717  | 1.83E-13 | 54  |
| GCST90274803 | rs17011650 | T | C | 0.0157 | -0.3666 | 8.06E-13 | 51  |
| GCST90274803 | rs17011801 | A | T | 0.7069 | 0.1707  | 3.48E-41 | 181 |
| GCST90274803 | rs17229943 | A | C | 0.9351 | -0.16   | 2.07E-09 | 36  |
| GCST90274803 | rs17428810 | T | C | 0.6719 | 0.1044  | 1.17E-16 | 69  |
| GCST90274803 | rs17545406 | T | C | 0.394  | -0.1089 | 5.63E-20 | 84  |
| GCST90274803 | rs17545483 | T | C | 0.4532 | 0.0821  | 1.47E-12 | 50  |
| GCST90274803 | rs17545760 | A | C | 0.46   | 0.0872  | 5.59E-14 | 57  |
| GCST90274803 | rs17604588 | A | G | 0.5928 | 0.1053  | 4.51E-19 | 80  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274803 | rs17604831  | A | C | 0.4529 | 0.0821  | 1.47E-12 | 50  |
| GCST90274803 | rs176400    | A | G | 0.2879 | 0.0764  | 2.45E-08 | 31  |
| GCST90274803 | rs176401    | A | T | 0.6366 | 0.0948  | 2.09E-14 | 58  |
| GCST90274803 | rs111206656 | A | C | 0.3896 | -0.1458 | 3.44E-27 | 117 |
| GCST90274803 | rs111206657 | A | C | 0.373  | -0.1463 | 1.28E-26 | 114 |
| GCST90274803 | rs176413    | A | G | 0.5696 | -0.0865 | 8.76E-13 | 51  |
| GCST90274803 | rs11124260  | A | C | 0.4205 | -0.1112 | 4.35E-21 | 89  |
| GCST90274803 | rs11124266  | A | C | 0.6791 | 0.1411  | 4.15E-29 | 125 |
| GCST90274803 | rs11124270  | A | G | 0.2719 | -0.1411 | 1.14E-26 | 114 |
| GCST90274803 | rs11124272  | A | C | 0.2906 | -0.165  | 1.85E-37 | 164 |
| GCST90274803 | rs11124274  | A | C | 0.3979 | -0.1586 | 2.99E-39 | 172 |
| GCST90274803 | rs11124277  | T | G | 0.5835 | 0.167   | 1.80E-45 | 200 |
| GCST90274803 | rs11124278  | A | G | 0.4873 | 0.1359  | 3.17E-32 | 140 |
| GCST90274803 | rs111274835 | T | G | 0.4316 | -0.1097 | 6.85E-21 | 88  |
| GCST90274803 | rs66469241  | T | C | 0.703  | 0.1503  | 3.07E-17 | 71  |
| GCST90274803 | rs66492775  | T | C | 0.461  | 0.0911  | 5.12E-14 | 57  |
| GCST90274803 | rs665237    | T | C | 0.5308 | -0.1233 | 1.48E-25 | 109 |
| GCST90274803 | rs669347    | T | C | 0.2732 | -0.1314 | 2.41E-23 | 99  |
| GCST90274803 | rs66985656  | A | C | 0.6357 | -0.0928 | 4.53E-14 | 57  |
| GCST90274803 | rs6709048   | T | G | 0.4024 | 0.1184  | 2.87E-22 | 94  |
| GCST90274803 | rs67157050  | T | C | 0.4191 | -0.1624 | 9.94E-42 | 183 |
| GCST90274803 | rs6716179   | A | C | 0.5006 | -0.1261 | 4.38E-27 | 116 |
| GCST90274803 | rs6717209   | A | C | 0.5094 | -0.1393 | 9.01E-34 | 147 |
| GCST90274803 | rs671742    | C | G | 0.3372 | 0.0892  | 9.61E-13 | 51  |
| GCST90274803 | rs6718214   | T | C | 0.3931 | 0.0931  | 9.48E-14 | 55  |
| GCST90274803 | rs11214209  | T | G | 0.7577 | -0.0815 | 1.57E-09 | 36  |
| GCST90274803 | rs11214224  | T | C | 0.3092 | 0.0849  | 1.60E-11 | 45  |
| GCST90274803 | rs112491310 | T | C | 0.0621 | -0.1855 | 4.68E-14 | 57  |
| GCST90274803 | rs3018469   | A | G | 0.1821 | 0.1276  | 4.39E-16 | 66  |
| GCST90274803 | rs67257914  | A | G | 0.3939 | 0.0811  | 4.42E-10 | 39  |
| GCST90274803 | rs6726908   | T | C | 0.6801 | 0.1409  | 4.96E-29 | 125 |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274803 | rs6727873  | C | G | 0.17   | -0.1369 | 1.17E-17 | 73  |
| GCST90274803 | rs6729952  | T | C | 0.4427 | -0.0666 | 2.19E-08 | 31  |
| GCST90274803 | rs6732223  | T | C | 0.489  | 0.0945  | 3.74E-16 | 66  |
| GCST90274803 | rs212726   | T | C | 0.4023 | -0.1526 | 1.82E-36 | 159 |
| GCST90274803 | rs212727   | T | C | 0.5977 | 0.1522  | 2.77E-36 | 158 |
| GCST90274803 | rs212728   | A | G | 0.5976 | 0.1521  | 3.08E-36 | 158 |
| GCST90274803 | rs212730   | T | G | 0.5988 | 0.1512  | 7.86E-36 | 156 |
| GCST90274803 | rs212731   | A | G | 0.5974 | 0.1524  | 2.25E-36 | 159 |
| GCST90274803 | rs212732   | A | C | 0.5941 | 0.1406  | 1.16E-27 | 119 |
| GCST90274803 | rs212733   | T | C | 0.3917 | -0.1472 | 4.76E-34 | 148 |
| GCST90274803 | rs212734   | A | G | 0.3813 | -0.1463 | 3.92E-33 | 144 |
| GCST90274803 | rs212736   | T | C | 0.2616 | -0.1487 | 1.30E-28 | 123 |
| GCST90274803 | rs176403   | A | C | 0.3529 | -0.1002 | 6.44E-16 | 65  |
| GCST90274803 | rs176405   | A | G | 0.5827 | -0.0848 | 3.63E-12 | 48  |
| GCST90274803 | rs2710613  | A | G | 0.5753 | -0.0801 | 2.47E-11 | 45  |
| GCST90274803 | rs212741   | A | G | 0.4904 | 0.1375  | 2.07E-32 | 141 |
| GCST90274803 | rs212742   | T | C | 0.2882 | -0.1597 | 2.91E-36 | 158 |
| GCST90274803 | rs212743   | T | C | 0.5092 | -0.1384 | 8.16E-33 | 142 |
| GCST90274803 | rs212746   | T | C | 0.4103 | -0.1653 | 1.38E-44 | 196 |
| GCST90274803 | rs212747   | A | G | 0.294  | -0.1492 | 2.15E-28 | 122 |
| GCST90274803 | rs212748   | T | C | 0.4906 | 0.1367  | 4.69E-32 | 139 |
| GCST90274803 | rs212749   | T | C | 0.4968 | -0.1335 | 1.19E-30 | 132 |
| GCST90274803 | rs212751   | A | T | 0.7086 | 0.169   | 2.11E-40 | 177 |
| GCST90274803 | rs212752   | T | C | 0.4785 | -0.1167 | 4.61E-23 | 98  |
| GCST90274803 | rs212753   | A | G | 0.4911 | 0.1364  | 1.89E-32 | 141 |
| GCST90274803 | rs212754   | A | G | 0.2919 | -0.1688 | 2.60E-40 | 177 |
| GCST90274803 | rs212755   | T | G | 0.5015 | 0.1309  | 5.10E-30 | 130 |
| GCST90274803 | rs212756   | A | G | 0.46   | -0.1068 | 2.84E-19 | 81  |
| GCST90274803 | rs2754530  | T | C | 0.3258 | -0.1426 | 1.32E-30 | 132 |
| GCST90274803 | rs11214124 | T | C | 0.3411 | 0.1394  | 3.09E-30 | 131 |
| GCST90274803 | rs11214126 | T | C | 0.3989 | -0.1237 | 2.61E-25 | 108 |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274803 | rs11214155 | T | C | 0.7063 | 0.1686  | 2.33E-37 | 163 |
| GCST90274803 | rs11214175 | A | G | 0.3596 | 0.1034  | 7.51E-17 | 70  |
| GCST90274803 | rs11214178 | A | G | 0.5629 | -0.0737 | 5.89E-10 | 38  |
| GCST90274803 | rs212707   | T | C | 0.5495 | 0.0973  | 9.08E-17 | 69  |
| GCST90274803 | rs212708   | A | G | 0.4512 | -0.0987 | 3.29E-17 | 71  |
| GCST90274803 | rs212710   | T | C | 0.7199 | 0.1565  | 6.77E-33 | 143 |
| GCST90274803 | rs212713   | T | C | 0.5029 | 0.1227  | 2.52E-25 | 108 |
| GCST90274803 | rs34006273 | T | C | 0.2786 | -0.1809 | 1.12E-44 | 197 |
| GCST90274803 | rs34197800 | A | C | 0.2919 | -0.171  | 2.53E-41 | 181 |
| GCST90274803 | rs34273854 | T | C | 0.0812 | -0.189  | 8.80E-16 | 65  |
| GCST90274803 | rs34389688 | A | T | 0.7208 | 0.1786  | 1.36E-43 | 192 |
| GCST90274803 | rs34474809 | T | C | 0.2944 | -0.1509 | 1.32E-28 | 123 |
| GCST90274803 | rs34514981 | C | G | 0.2455 | -0.1397 | 2.04E-24 | 104 |
| GCST90274803 | rs34835885 | A | G | 0.2798 | -0.1508 | 1.44E-31 | 137 |
| GCST90274803 | rs34856365 | A | G | 0.5863 | 0.1676  | 8.73E-46 | 202 |
| GCST90274803 | rs34976640 | T | G | 0.3607 | -0.1576 | 8.84E-39 | 170 |
| GCST90274803 | rs2710628  | A | C | 0.579  | -0.0872 | 5.74E-13 | 52  |
| GCST90274803 | rs2710630  | T | G | 0.4098 | 0.0821  | 1.16E-11 | 46  |
| GCST90274803 | rs2710634  | T | C | 0.4924 | -0.0957 | 5.05E-16 | 66  |
| GCST90274803 | rs2742246  | T | G | 0.4158 | -0.1498 | 5.16E-29 | 125 |
| GCST90274803 | rs2754520  | A | G | 0.4072 | 0.0812  | 1.32E-11 | 46  |
| GCST90274803 | rs2666405  | A | G | 0.4297 | 0.1164  | 1.35E-22 | 96  |
| GCST90274803 | rs2710606  | A | G | 0.3558 | -0.0914 | 1.69E-13 | 54  |
| GCST90274803 | rs212740   | T | C | 0.5094 | -0.1371 | 3.11E-32 | 140 |
| GCST90274803 | rs212718   | A | C | 0.5849 | 0.1714  | 2.78E-46 | 204 |
| GCST90274803 | rs2710615  | A | T | 0.5824 | -0.0846 | 1.79E-12 | 50  |
| GCST90274803 | rs2710625  | A | G | 0.4194 | 0.0776  | 1.00E-10 | 42  |
| GCST90274803 | rs2710626  | C | G | 0.4169 | 0.0841  | 2.41E-12 | 49  |
| GCST90274803 | rs2710627  | A | G | 0.3671 | -0.0831 | 1.42E-11 | 46  |
| GCST90274803 | rs212706   | A | G | 0.4511 | -0.0973 | 9.08E-17 | 69  |
| GCST90274803 | rs28383017 | T | C | 0.9826 | 0.3434  | 1.04E-12 | 51  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274803 | rs28383018 | T | C | 0.6531 | -0.09   | 6.02E-13 | 52  |
| GCST90274803 | rs28797569 | T | C | 0.3691 | 0.0921  | 4.38E-14 | 57  |
| GCST90274803 | rs28815209 | T | C | 0.4631 | 0.0866  | 8.30E-14 | 56  |
| GCST90274803 | rs2754522  | C | G | 0.3611 | -0.0908 | 1.56E-13 | 54  |
| GCST90274803 | rs2754523  | A | G | 0.5765 | -0.0826 | 5.85E-12 | 47  |
| GCST90274803 | rs2754525  | T | G | 0.3498 | -0.0899 | 4.17E-13 | 53  |
| GCST90274803 | rs2904613  | A | G | 0.3527 | 0.1341  | 1.52E-28 | 123 |
| GCST90274803 | rs212701   | T | C | 0.386  | -0.1428 | 1.18E-32 | 142 |
| GCST90274803 | rs212702   | A | G | 0.2589 | -0.154  | 1.89E-31 | 136 |
| GCST90274803 | rs212703   | A | G | 0.5107 | -0.1403 | 1.12E-33 | 146 |
| GCST90274803 | rs212704   | T | C | 0.5191 | 0.1108  | 1.28E-21 | 91  |
| GCST90274803 | rs212725   | A | G | 0.5981 | 0.1512  | 7.86E-36 | 156 |
| GCST90274803 | rs28383003 | T | G | 0.6912 | 0.1232  | 4.10E-18 | 75  |
| GCST90274803 | rs212716   | A | G | 0.4152 | -0.1715 | 2.47E-46 | 204 |
| GCST90274803 | rs212717   | A | G | 0.5848 | 0.1707  | 6.41E-46 | 202 |
| GCST90274803 | rs212739   | A | G | 0.413  | -0.1664 | 3.71E-45 | 199 |
| GCST90274803 | rs212714   | A | G | 0.3814 | -0.1478 | 8.82E-34 | 147 |
| GCST90274803 | rs212723   | A | C | 0.5964 | 0.1522  | 2.77E-36 | 158 |
| GCST90274803 | rs212724   | A | C | 0.3945 | -0.12   | 9.10E-14 | 56  |
| GCST90274803 | rs2749994  | T | C | 0.3228 | -0.0915 | 3.82E-13 | 53  |
| GCST90274803 | rs212721   | A | G | 0.3796 | -0.1471 | 1.77E-33 | 145 |
| GCST90274803 | rs28879135 | T | C | 0.4527 | 0.0827  | 1.01E-12 | 51  |
| GCST90274803 | rs212737   | T | C | 0.4017 | -0.1495 | 4.56E-35 | 153 |
| GCST90274803 | rs2754513  | A | G | 0.6181 | 0.0852  | 2.88E-12 | 49  |
| GCST90274803 | rs2886393  | C | G | 0.3614 | -0.1586 | 2.99E-39 | 172 |
| GCST90274816 | rs72668605 | A | C | 0.9009 | 0.1365  | 6.92E-12 | 47  |
| GCST90274816 | rs72668606 | A | C | 0.0991 | -0.1367 | 6.45E-12 | 47  |
| GCST90274816 | rs72668604 | A | G | 0.0991 | -0.1367 | 6.45E-12 | 47  |
| GCST90274816 | rs72666894 | A | G | 0.0993 | -0.138  | 4.07E-12 | 48  |
| GCST90274816 | rs72666899 | A | G | 0.0992 | -0.1373 | 5.22E-12 | 48  |
| GCST90274816 | rs72666900 | T | C | 0.9007 | 0.1365  | 6.92E-12 | 47  |

|              |             |   |   |        |         |          |    |
|--------------|-------------|---|---|--------|---------|----------|----|
| GCST90274816 | rs72666895  | A | G | 0.9001 | 0.1379  | 3.29E-12 | 49 |
| GCST90274816 | rs72668603  | C | G | 0.9009 | 0.1374  | 5.04E-12 | 48 |
| GCST90274816 | rs72666891  | A | T | 0.9007 | 0.1383  | 3.66E-12 | 48 |
| GCST90274816 | rs10504683  | A | G | 0.9007 | 0.1357  | 9.16E-12 | 47 |
| GCST90274816 | rs115773743 | A | T | 0.8993 | 0.1414  | 7.09E-13 | 52 |
| GCST90274816 | rs72668607  | A | G | 0.9009 | 0.1365  | 6.92E-12 | 47 |
| GCST90274816 | rs72668609  | A | C | 0.9005 | 0.1367  | 6.45E-12 | 47 |
| GCST90274816 | rs72666896  | T | C | 0.0999 | -0.1383 | 2.85E-12 | 49 |
| GCST90274816 | rs72667496  | A | T | 0.0994 | -0.1357 | 9.16E-12 | 47 |
| GCST90274816 | rs72667497  | A | G | 0.9005 | 0.135   | 9.22E-12 | 46 |
| GCST90274816 | rs72667499  | A | G | 0.0992 | -0.134  | 1.65E-11 | 45 |
| GCST90274816 | rs112359206 | A | G | 0.9    | 0.1691  | 5.67E-14 | 56 |
| GCST90274816 | rs72667502  | A | C | 0.0998 | -0.1403 | 4.49E-11 | 43 |
| GCST90274816 | rs10504681  | T | C | 0.0988 | -0.1377 | 4.53E-12 | 48 |
| GCST90274816 | rs10504682  | A | G | 0.9007 | 0.1358  | 8.85E-12 | 47 |
| GCST90274816 | rs72669404  | A | G | 0.9007 | 0.1353  | 1.05E-11 | 46 |
| GCST90274816 | rs72669405  | A | G | 0.9005 | 0.134   | 1.65E-11 | 45 |
| GCST90274816 | rs72669406  | T | C | 0.0994 | -0.1346 | 1.34E-11 | 46 |
| GCST90274816 | rs72669407  | A | G | 0.0989 | -0.1362 | 9.76E-12 | 46 |
| GCST90274816 | rs72669408  | A | G | 0.0991 | -0.1341 | 1.60E-11 | 45 |
| GCST90274816 | rs72666902  | A | T | 0.9001 | 0.1371  | 4.38E-12 | 48 |
| GCST90274816 | rs72667494  | T | C | 0.9015 | 0.1353  | 1.33E-11 | 46 |
| GCST90274816 | rs7836519   | A | G | 0.9001 | 0.139   | 2.22E-12 | 49 |
| GCST90274816 | rs78865690  | C | G | 0.9005 | 0.1358  | 8.85E-12 | 47 |
| GCST90274816 | rs79587865  | A | T | 0.901  | 0.1356  | 9.49E-12 | 46 |
| GCST90274816 | rs72667500  | A | G | 0.9006 | 0.1343  | 1.49E-11 | 46 |
| GCST90274816 | rs72666889  | T | C | 0.9008 | 0.1404  | 1.72E-12 | 50 |
| GCST90274816 | rs72666890  | A | G | 0.0988 | -0.1401 | 1.92E-12 | 50 |
| GCST90274816 | rs74824887  | A | C | 0.0992 | -0.1362 | 7.69E-12 | 47 |
| GCST90274816 | rs76374951  | T | G | 0.9001 | 0.1383  | 2.85E-12 | 49 |
| GCST90274816 | rs76408175  | A | C | 0.8993 | 0.141   | 6.07E-12 | 47 |

|              |             |   |   |        |         |          |    |
|--------------|-------------|---|---|--------|---------|----------|----|
| GCST90274816 | rs76667999  | T | G | 0.0916 | -0.142  | 5.62E-10 | 38 |
| GCST90274816 | rs76962712  | A | G | 0.0993 | -0.1364 | 7.17E-12 | 47 |
| GCST90274816 | rs77012481  | A | G | 0.0994 | -0.1347 | 1.30E-11 | 46 |
| GCST90274816 | rs7828417   | T | C | 0.8998 | 0.1397  | 1.72E-12 | 50 |
| GCST90274816 | rs7832476   | T | C | 0.8999 | 0.1393  | 1.99E-12 | 49 |
| GCST90274816 | rs17506083  | A | G | 0.9009 | 0.1368  | 6.23E-12 | 47 |
| GCST90274816 | rs17506140  | A | T | 0.9007 | 0.1364  | 7.17E-12 | 47 |
| GCST90274816 | rs17506189  | C | G | 0.9007 | 0.1356  | 9.49E-12 | 46 |
| GCST90274816 | rs1838259   | C | G | 0.0999 | -0.138  | 3.18E-12 | 49 |
| GCST90274816 | rs185054743 | A | C | 0.9018 | 0.1408  | 4.72E-11 | 43 |
| GCST90274816 | rs185816290 | A | G | 0.9016 | 0.1417  | 3.56E-11 | 44 |
| GCST90274816 | rs2583779   | T | C | 0.2452 | -0.0822 | 2.58E-09 | 35 |
| GCST90274816 | rs2583786   | T | G | 0.7413 | 0.0745  | 3.42E-08 | 30 |
| GCST90274816 | rs2717534   | A | C | 0.7546 | 0.0813  | 2.95E-09 | 35 |
| GCST90274816 | rs2887501   | A | C | 0.9007 | 0.1393  | 1.99E-12 | 49 |
| GCST90274816 | rs2921277   | T | C | 0.7414 | 0.0766  | 1.39E-08 | 32 |
| GCST90274816 | rs72668610  | A | G | 0.0991 | -0.1365 | 6.92E-12 | 47 |
| GCST90274816 | rs72668611  | A | G | 0.0991 | -0.1365 | 6.92E-12 | 47 |
| GCST90274816 | rs72668612  | T | C | 0.099  | -0.1366 | 6.68E-12 | 47 |
| GCST90274816 | rs72668613  | A | G | 0.0971 | -0.1362 | 1.56E-11 | 45 |
| GCST90274816 | rs72668614  | A | G | 0.0974 | -0.1348 | 2.50E-11 | 45 |
| GCST90274816 | rs72668615  | A | G | 0.9008 | 0.1361  | 7.96E-12 | 47 |
| GCST90274816 | rs72668616  | A | G | 0.9008 | 0.1355  | 9.82E-12 | 46 |
| GCST90274816 | rs72669403  | A | G | 0.9004 | 0.1349  | 1.21E-11 | 46 |
| GCST90274816 | rs72661364  | T | G | 0.938  | 0.1382  | 2.85E-08 | 31 |
| GCST90274816 | rs72661366  | T | C | 0.9379 | 0.1359  | 4.82E-08 | 30 |
| GCST90274816 | rs72666876  | T | C | 0.9    | 0.1385  | 2.65E-12 | 49 |
| GCST90274816 | rs72666877  | T | C | 0.1014 | -0.1467 | 3.80E-13 | 53 |
| GCST90274816 | rs72666878  | T | C | 0.9    | 0.1383  | 2.85E-12 | 49 |
| GCST90274816 | rs72669409  | T | C | 0.0995 | -0.1356 | 9.49E-12 | 46 |
| GCST90274816 | rs72669410  | C | G | 0.0994 | -0.1362 | 7.69E-12 | 47 |

|              |             |   |   |        |         |          |    |
|--------------|-------------|---|---|--------|---------|----------|----|
| GCST90274816 | rs72669411  | A | G | 0.0996 | -0.1353 | 1.05E-11 | 46 |
| GCST90274816 | rs72669413  | T | C | 0.1001 | -0.1353 | 8.30E-12 | 47 |
| GCST90274816 | rs72669415  | T | C | 0.1003 | -0.134  | 1.65E-11 | 45 |
| GCST90274816 | rs72669416  | A | G | 0.1002 | -0.1356 | 9.49E-12 | 46 |
| GCST90274816 | rs72669418  | A | G | 0.9006 | 0.1354  | 1.02E-11 | 46 |
| GCST90274816 | rs72669419  | T | G | 0.9004 | 0.1354  | 1.29E-11 | 46 |
| GCST90274816 | rs145777925 | T | C | 0.0985 | -0.1371 | 7.13E-12 | 47 |
| GCST90274816 | rs146201210 | T | C | 0.1008 | -0.1343 | 2.36E-11 | 45 |
| GCST90274816 | rs148345035 | A | G | 0.9009 | 0.1365  | 6.92E-12 | 47 |
| GCST90274816 | rs149917187 | T | C | 0.0993 | -0.1378 | 8.99E-12 | 47 |
| GCST90274816 | rs150315756 | A | G | 0.9011 | 0.1349  | 1.21E-11 | 46 |
| GCST90274816 | rs16906063  | T | C | 0.847  | 0.0923  | 1.49E-08 | 32 |
| GCST90274816 | rs17414706  | A | G | 0.1003 | -0.1402 | 1.43E-12 | 50 |
| GCST90274816 | rs17414846  | T | C | 0.0991 | -0.1357 | 9.16E-12 | 47 |
| GCST90274816 | rs17415126  | A | G | 0.9006 | 0.1346  | 1.34E-11 | 46 |
| GCST90274816 | rs17506013  | T | C | 0.1001 | -0.1389 | 2.30E-12 | 49 |
| GCST90274816 | rs528097288 | A | T | 0.9127 | 0.1719  | 7.46E-12 | 47 |
| GCST90274816 | rs549859349 | T | C | 0.94   | 0.156   | 2.53E-08 | 31 |
| GCST90274816 | rs6997891   | T | G | 0.1001 | -0.139  | 2.22E-12 | 49 |
| GCST90274816 | rs7007634   | A | G | 0.9    | 0.1388  | 2.38E-12 | 49 |
| GCST90274816 | rs117783883 | T | G | 0.0981 | -0.137  | 7.38E-12 | 47 |
| GCST90274816 | rs11778419  | T | C | 0.9061 | 0.1374  | 7.42E-11 | 42 |
| GCST90274816 | rs11780678  | T | C | 0.9006 | 0.1362  | 9.76E-12 | 46 |
| GCST90274816 | rs11782048  | A | G | 0.9005 | 0.1347  | 1.30E-11 | 46 |
| GCST90274816 | rs11784007  | A | G | 0.9005 | 0.1361  | 1.01E-11 | 46 |
| GCST90274816 | rs2953478   | A | G | 0.7382 | 0.0771  | 1.44E-08 | 32 |
| GCST90274816 | rs34689795  | T | C | 0.0995 | -0.1359 | 1.08E-11 | 46 |
| GCST90274816 | rs3885022   | A | G | 0.1154 | -0.1307 | 2.11E-12 | 49 |
| GCST90274816 | rs3888019   | A | C | 0.7539 | 0.0807  | 3.85E-09 | 35 |
| GCST90274816 | rs72666884  | T | C | 0.8999 | 0.1389  | 2.30E-12 | 49 |
| GCST90274816 | rs72666885  | A | G | 0.9001 | 0.1376  | 3.67E-12 | 48 |

|              |             |   |   |        |         |          |    |
|--------------|-------------|---|---|--------|---------|----------|----|
| GCST90274816 | rs72666886  | T | C | 0.0997 | -0.1377 | 3.54E-12 | 48 |
| GCST90274816 | rs141859265 | C | G | 0.9004 | 0.1398  | 1.66E-12 | 50 |
| GCST90274816 | rs143053918 | T | C | 0.9003 | 0.1364  | 5.62E-12 | 47 |
| GCST90274816 | rs11777564  | T | C | 0.9    | 0.1384  | 2.75E-12 | 49 |
| GCST90274816 | rs72666881  | A | G | 0.9007 | 0.1392  | 2.06E-12 | 49 |
| GCST90274816 | rs72666882  | A | G | 0.0993 | -0.1384 | 2.75E-12 | 49 |
| GCST90274816 | rs72666883  | A | G | 0.0993 | -0.1387 | 2.47E-12 | 49 |
| GCST90274816 | rs72666880  | T | C | 0.0994 | -0.1392 | 2.06E-12 | 49 |
| GCST90274816 | rs117260073 | A | T | 0.9008 | 0.1361  | 7.96E-12 | 47 |
| GCST90274816 | rs117272713 | A | T | 0.9007 | 0.1372  | 1.39E-11 | 46 |
| GCST90274816 | rs117292299 | A | G | 0.0991 | -0.1376 | 4.69E-12 | 48 |
| GCST90274816 | rs116886424 | A | T | 0.1006 | -0.1357 | 1.47E-11 | 46 |
| GCST90274816 | rs11988473  | T | C | 0.1001 | -0.1383 | 2.85E-12 | 49 |
| GCST90274816 | rs11998154  | T | C | 0.1006 | -0.1414 | 7.09E-13 | 52 |
| GCST90274816 | rs118073056 | A | G | 0.0993 | -0.1354 | 2.56E-11 | 44 |
| GCST90274816 | rs11774899  | T | G | 0.1012 | -0.1379 | 8.69E-12 | 47 |
| GCST90274816 | rs137989716 | T | C | 0.9006 | 0.1362  | 7.69E-12 | 47 |
| GCST90274816 | rs11984865  | T | C | 0.9004 | 0.137   | 4.54E-12 | 48 |
| GCST90274816 | rs139083787 | T | C | 0.1    | -0.1374 | 1.03E-11 | 46 |
| GCST90274817 | rs56785010  | T | C | 0.934  | 0.1868  | 9.11E-15 | 60 |
| GCST90274817 | rs74595052  | T | C | 0.068  | -0.184  | 1.77E-14 | 59 |
| GCST90274817 | rs74587926  | T | C | 0.9342 | 0.186   | 2.48E-14 | 58 |
| GCST90274817 | rs75179560  | T | C | 0.068  | -0.1792 | 6.48E-14 | 56 |
| GCST90274817 | rs74594454  | A | G | 0.0661 | -0.1834 | 4.44E-14 | 57 |
| GCST90274817 | rs74468557  | A | G | 0.0653 | -0.189  | 3.19E-14 | 58 |
| GCST90274817 | rs79942156  | A | G | 0.0657 | -0.1857 | 1.67E-14 | 59 |
| GCST90274817 | rs75498310  | A | T | 0.935  | 0.1864  | 5.02E-13 | 52 |
| GCST90274817 | rs1261935   | A | G | 0.9307 | 0.1761  | 8.53E-14 | 56 |
| GCST90274817 | rs7681932   | T | C | 0.0616 | -0.197  | 1.98E-12 | 50 |
| GCST90274817 | rs6446950   | A | G | 0.0662 | -0.1884 | 1.04E-11 | 46 |
| GCST90274817 | rs12508451  | T | C | 0.0639 | -0.2038 | 2.78E-13 | 53 |

|              |            |   |   |        |         |          |    |
|--------------|------------|---|---|--------|---------|----------|----|
| GCST90274817 | rs76249940 | A | G | 0.9337 | 0.1847  | 1.09E-14 | 60 |
| GCST90274817 | rs7681924  | C | G | 0.0656 | -0.1794 | 1.23E-13 | 55 |
| GCST90274817 | rs7682745  | A | G | 0.9351 | 0.1898  | 1.21E-11 | 46 |
| GCST90274817 | rs78060303 | A | G | 0.0671 | -0.184  | 3.67E-14 | 57 |
| GCST90274817 | rs7683759  | C | G | 0.9344 | 0.1811  | 7.24E-14 | 56 |
| GCST90274817 | rs7689702  | A | G | 0.0611 | -0.1994 | 6.16E-12 | 47 |
| GCST90274817 | rs77946661 | T | C | 0.0673 | -0.1807 | 3.14E-14 | 58 |
| GCST90274817 | rs75809199 | T | G | 0.0661 | -0.1841 | 3.56E-14 | 57 |
| GCST90274817 | rs75997514 | A | G | 0.0662 | -0.1825 | 5.90E-14 | 56 |
| GCST90274817 | rs6836038  | A | G | 0.0656 | -0.1861 | 1.47E-14 | 59 |
| GCST90274817 | rs6857472  | A | G | 0.9326 | 0.18    | 3.94E-14 | 57 |
| GCST90274817 | rs720702   | C | G | 0.9408 | 0.2048  | 1.38E-12 | 50 |
| GCST90274817 | rs74327761 | T | C | 0.9323 | 0.1853  | 5.34E-15 | 61 |
| GCST90274817 | rs74446360 | A | C | 0.0677 | -0.1795 | 7.48E-14 | 56 |
| GCST90274817 | rs77896382 | T | C | 0.9341 | 0.1875  | 9.34E-15 | 60 |
| GCST90274817 | rs7656501  | A | G | 0.9316 | 0.177   | 1.30E-13 | 55 |
| GCST90274817 | rs7657356  | T | C | 0.0662 | -0.1792 | 1.31E-13 | 55 |
| GCST90274817 | rs79656070 | T | C | 0.0656 | -0.1897 | 2.57E-14 | 58 |
| GCST90274817 | rs1247635  | C | G | 0.059  | -0.203  | 1.27E-12 | 50 |
| GCST90274817 | rs12641281 | T | G | 0.9321 | 0.1787  | 4.70E-14 | 57 |
| GCST90274817 | rs6446951  | A | G | 0.0665 | -0.1894 | 3.87E-15 | 62 |
| GCST90274817 | rs12642878 | T | G | 0.933  | 0.1767  | 1.43E-13 | 55 |
| GCST90274817 | rs12643076 | A | G | 0.9338 | 0.1798  | 8.61E-14 | 56 |
| GCST90274817 | rs12646031 | A | G | 0.9338 | 0.1867  | 9.42E-15 | 60 |
| GCST90274817 | rs76263967 | T | C | 0.9344 | 0.1798  | 1.09E-13 | 55 |
| GCST90274817 | rs72865497 | T | C | 0.9632 | 0.1998  | 4.79E-08 | 30 |
| GCST90274817 | rs7678307  | T | C | 0.059  | -0.2015 | 4.38E-12 | 48 |
| GCST90274817 | rs4127802  | A | G | 0.9341 | 0.1892  | 5.36E-15 | 61 |
| GCST90274817 | rs4259030  | A | C | 0.0392 | -0.1961 | 4.70E-08 | 30 |
| GCST90274817 | rs4568212  | T | C | 0.9324 | 0.1815  | 2.42E-14 | 58 |
| GCST90274817 | rs4637366  | T | C | 0.0678 | -0.1797 | 5.53E-14 | 57 |

|              |            |   |   |        |         |          |    |
|--------------|------------|---|---|--------|---------|----------|----|
| GCST90274817 | rs4694633  | T | C | 0.0674 | -0.1911 | 3.07E-12 | 49 |
| GCST90274817 | rs79976981 | A | G | 0.934  | 0.1884  | 1.88E-14 | 59 |
| GCST90274817 | rs79982576 | T | C | 0.0658 | -0.1789 | 1.14E-13 | 55 |
| GCST90274817 | rs10025373 | T | G | 0.0663 | -0.1855 | 1.08E-14 | 60 |
| GCST90274817 | rs6446953  | A | C | 0.0659 | -0.1828 | 4.23E-14 | 57 |
| GCST90274817 | rs6446954  | A | G | 0.066  | -0.1826 | 4.51E-14 | 57 |
| GCST90274817 | rs6818711  | T | G | 0.066  | -0.1879 | 1.73E-14 | 59 |
| GCST90274817 | rs76304445 | T | C | 0.0659 | -0.1763 | 2.57E-13 | 54 |
| GCST90274817 | rs72865502 | T | G | 0.0367 | -0.2012 | 3.86E-08 | 30 |
| GCST90274817 | rs77873813 | A | G | 0.0675 | -0.1805 | 3.35E-14 | 58 |
| GCST90274817 | rs1247608  | C | G | 0.0662 | -0.185  | 1.27E-14 | 59 |
| GCST90274817 | rs1247611  | A | G | 0.9325 | 0.1824  | 1.80E-14 | 59 |
| GCST90274817 | rs1247620  | A | G | 0.0677 | -0.1806 | 3.24E-14 | 58 |
| GCST90274817 | rs1247634  | T | C | 0.9404 | 0.2018  | 9.98E-13 | 51 |
| GCST90274817 | rs9991585  | A | G | 0.0644 | -0.1931 | 8.90E-12 | 47 |
| GCST90274817 | rs1247636  | A | T | 0.0653 | -0.1825 | 1.01E-12 | 51 |
| GCST90274817 | rs1247639  | T | C | 0.0672 | -0.183  | 1.90E-14 | 59 |
| GCST90274817 | rs1247691  | A | G | 0.0641 | -0.1371 | 4.70E-08 | 30 |
| GCST90274817 | rs1247692  | A | G | 0.9352 | 0.136   | 4.71E-08 | 30 |
| GCST90274817 | rs80001338 | T | C | 0.9339 | 0.1866  | 1.60E-14 | 59 |
| GCST90274817 | rs77033679 | T | C | 0.0656 | -0.188  | 6.15E-15 | 61 |
| GCST90274817 | rs77484789 | T | G | 0.9344 | 0.1799  | 1.05E-13 | 55 |
| GCST90274817 | rs76472660 | A | G | 0.9318 | 0.1795  | 3.62E-14 | 57 |
| GCST90274817 | rs7655660  | A | G | 0.066  | -0.1836 | 3.28E-14 | 58 |
| GCST90274817 | rs1406498  | A | G | 0.9381 | 0.1942  | 4.04E-12 | 48 |
| GCST90274817 | rs1528910  | T | C | 0.9381 | 0.2008  | 7.42E-13 | 51 |
| GCST90274817 | rs1528912  | T | C | 0.0656 | -0.1832 | 3.73E-14 | 57 |
| GCST90274817 | rs942053   | T | C | 0.9356 | 0.1367  | 4.02E-08 | 30 |
| GCST90274817 | rs1528913  | A | G | 0.9345 | 0.1857  | 1.67E-14 | 59 |
| GCST90274817 | rs7657358  | A | T | 0.0369 | -0.2045 | 2.30E-08 | 31 |
| GCST90274817 | rs7660923  | A | C | 0.9344 | 0.1809  | 7.71E-14 | 56 |

|              |             |   |   |        |         |          |    |
|--------------|-------------|---|---|--------|---------|----------|----|
| GCST90274817 | rs7665606   | T | C | 0.9344 | 0.1803  | 9.30E-14 | 56 |
| GCST90274817 | rs76695424  | A | G | 0.9344 | 0.1824  | 4.80E-14 | 57 |
| GCST90274817 | rs12649614  | T | C | 0.0657 | -0.1798 | 1.09E-13 | 55 |
| GCST90274817 | rs1269764   | T | C | 0.0674 | -0.1825 | 1.75E-14 | 59 |
| GCST90274817 | rs7678280   | T | C | 0.0662 | -0.1825 | 4.65E-14 | 57 |
| GCST90274817 | rs2886918   | A | G | 0.0645 | -0.1963 | 1.98E-12 | 50 |
| GCST90274817 | rs3796679   | T | C | 0.0658 | -0.1872 | 1.69E-14 | 59 |
| GCST90274817 | rs1358594   | T | G | 0.9367 | 0.1931  | 4.48E-12 | 48 |
| GCST90274817 | rs138840656 | T | G | 0.9346 | 0.1865  | 3.96E-13 | 53 |
| GCST90274817 | rs10029200  | A | T | 0.0646 | -0.1925 | 1.03E-11 | 46 |
| GCST90274817 | rs11722921  | A | G | 0.9386 | 0.2007  | 1.10E-12 | 51 |
| GCST90274817 | rs1729722   | T | G | 0.9409 | 0.2019  | 1.40E-12 | 50 |
| GCST90274817 | rs1745246   | C | G | 0.0591 | -0.2015 | 1.55E-12 | 50 |
| GCST90274817 | rs1247605   | A | C | 0.0658 | -0.184  | 2.26E-14 | 58 |
| GCST90274817 | rs1247607   | T | G | 0.9342 | 0.1861  | 1.15E-14 | 60 |
| GCST90274817 | rs76936064  | C | G | 0.9334 | 0.1847  | 1.41E-14 | 59 |
| GCST90274817 | rs12075     | A | G | 0.5552 | 0.0667  | 8.92E-09 | 33 |
| GCST90274817 | rs942051    | A | C | 0.0351 | -0.2032 | 4.70E-08 | 30 |
| GCST90274817 | rs1951702   | A | G | 0.9324 | 0.1825  | 1.75E-14 | 59 |
| GCST90274817 | rs1269766   | A | G | 0.0656 | -0.1854 | 1.44E-14 | 59 |
| GCST90274817 | rs80154360  | A | G | 0.9339 | 0.1883  | 2.47E-14 | 58 |
| GCST90274817 | rs1951705   | C | G | 0.07   | -0.1889 | 2.63E-12 | 49 |
| GCST90274817 | rs80057942  | T | C | 0.0659 | -0.1805 | 6.91E-14 | 56 |
| GCST90274817 | rs1951703   | T | C | 0.0701 | -0.1873 | 4.00E-12 | 48 |
| GCST90274817 | rs1951704   | T | C | 0.0655 | -0.1873 | 9.97E-15 | 60 |
| GCST90274817 | rs2091587   | A | T | 0.0622 | -0.1962 | 2.91E-12 | 49 |
| GCST90274817 | rs80113725  | T | C | 0.9345 | 0.1864  | 1.33E-14 | 59 |
| GCST90274817 | rs2367273   | A | G | 0.9368 | 0.2015  | 8.97E-13 | 51 |
| GCST90274817 | rs76759262  | T | C | 0.9409 | 0.1918  | 2.34E-11 | 45 |
| GCST90274820 | rs8176672   | T | C | 0.096  | 0.2065  | 2.02E-22 | 95 |
| GCST90274820 | rs8176681   | T | C | 0.5981 | -0.084  | 1.25E-11 | 46 |

|              |            |   |   |        |         |          |    |
|--------------|------------|---|---|--------|---------|----------|----|
| GCST90274820 | rs8176671  | A | C | 0.9053 | -0.2064 | 3.32E-22 | 94 |
| GCST90274820 | rs7873635  | T | C | 0.3797 | 0.0851  | 1.44E-11 | 46 |
| GCST90274820 | rs8176682  | T | C | 0.3798 | 0.0852  | 9.36E-12 | 46 |
| GCST90274820 | rs79343853 | T | C | 0.9053 | -0.2055 | 5.02E-22 | 93 |
| GCST90274820 | rs79473315 | A | G | 0.7981 | -0.1109 | 8.95E-10 | 38 |
| GCST90274820 | rs78755596 | A | T | 0.0354 | -0.3429 | 1.01E-17 | 73 |
| GCST90274820 | rs79158370 | A | G | 0.0991 | -0.1652 | 7.72E-16 | 65 |
| GCST90274820 | rs8176668  | A | T | 0.6203 | -0.0847 | 1.24E-11 | 46 |
| GCST90274820 | rs7873634  | T | C | 0.6476 | -0.101  | 3.01E-15 | 62 |
| GCST90274820 | rs9411472  | T | C | 0.811  | -0.1172 | 8.33E-14 | 56 |
| GCST90274820 | rs9411492  | T | C | 0.73   | -0.1365 | 4.54E-23 | 98 |
| GCST90274820 | rs9722289  | A | G | 0.9606 | 0.2155  | 4.51E-08 | 30 |
| GCST90274820 | rs9919007  | T | C | 0.2044 | 0.108   | 1.20E-12 | 50 |
| GCST90274820 | rs8176689  | A | C | 0.5952 | -0.0795 | 8.37E-09 | 33 |
| GCST90274820 | rs79784812 | A | G | 0.2012 | 0.1127  | 5.93E-10 | 38 |
| GCST90274820 | rs8176632  | T | C | 0.1699 | 0.1292  | 2.26E-15 | 63 |
| GCST90274820 | rs8176644  | T | C | 0.0943 | 0.2035  | 1.25E-21 | 91 |
| GCST90274820 | rs8176649  | A | G | 0.3791 | 0.0837  | 2.14E-11 | 45 |
| GCST90274820 | rs8176662  | A | G | 0.9053 | -0.2059 | 4.18E-22 | 93 |
| GCST90274820 | rs8176663  | T | C | 0.6376 | 0.109   | 2.78E-18 | 76 |
| GCST90274820 | rs9411470  | A | G | 0.7956 | -0.1086 | 9.02E-13 | 51 |
| GCST90274820 | rs9411471  | A | G | 0.2046 | 0.1069  | 2.02E-12 | 49 |
| GCST90274820 | rs8176730  | T | C | 0.8816 | -0.1726 | 2.48E-19 | 81 |
| GCST90274820 | rs8176731  | T | C | 0.6471 | -0.1006 | 3.86E-15 | 62 |
| GCST90274820 | rs8176733  | T | C | 0.8808 | -0.1716 | 2.60E-19 | 81 |
| GCST90274820 | rs8176741  | A | G | 0.0964 | 0.206   | 1.62E-22 | 95 |
| GCST90274820 | rs8176743  | T | C | 0.0963 | 0.2061  | 1.55E-22 | 95 |
| GCST90274820 | rs8176690  | A | G | 0.5975 | -0.085  | 7.14E-12 | 47 |
| GCST90274820 | rs8176691  | T | C | 0.3793 | 0.0858  | 6.70E-12 | 47 |
| GCST90274820 | rs8176635  | A | G | 0.3499 | 0.1273  | 2.64E-23 | 99 |
| GCST90274820 | rs9411467  | A | G | 0.2044 | 0.1071  | 1.84E-12 | 50 |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274820 | rs9411468  | A | G | 0.2047 | 0.1081  | 1.15E-12 | 51  |
| GCST90274820 | rs9411469  | T | G | 0.2041 | 0.1083  | 1.04E-12 | 51  |
| GCST90274820 | rs7873416  | T | C | 0.6473 | -0.1001 | 5.27E-15 | 61  |
| GCST90274820 | rs7873522  | T | C | 0.6472 | -0.1012 | 2.65E-15 | 63  |
| GCST90274820 | rs9331726  | T | G | 0.0422 | -0.2335 | 1.34E-08 | 32  |
| GCST90274820 | rs9411365  | C | G | 0.8939 | -0.178  | 2.65E-18 | 76  |
| GCST90274820 | rs9411367  | T | C | 0.2051 | 0.1044  | 6.49E-12 | 47  |
| GCST90274820 | rs9411368  | T | C | 0.2052 | 0.1108  | 3.11E-13 | 53  |
| GCST90274820 | rs9411369  | A | G | 0.7953 | -0.1085 | 9.46E-13 | 51  |
| GCST90274820 | rs9411378  | A | C | 0.2723 | -0.209  | 1.51E-52 | 233 |
| GCST90274820 | rs9411382  | T | C | 0.2676 | -0.088  | 1.33E-10 | 41  |
| GCST90274820 | rs9411463  | T | C | 0.0959 | 0.1879  | 1.13E-18 | 78  |
| GCST90274820 | rs9411464  | T | C | 0.0952 | 0.1942  | 1.14E-19 | 82  |
| GCST90274820 | rs36219252 | A | G | 0.0668 | 0.2136  | 1.28E-12 | 50  |
| GCST90274820 | rs36222279 | C | G | 0.0922 | -0.2096 | 3.40E-18 | 76  |
| GCST90274820 | rs3758348  | C | G | 0.1415 | -0.2376 | 8.03E-34 | 147 |
| GCST90274820 | rs3761821  | T | C | 0.1987 | 0.129   | 3.42E-17 | 71  |
| GCST90274820 | rs3761822  | A | G | 0.7604 | -0.1098 | 2.44E-14 | 58  |
| GCST90274820 | rs3761823  | C | G | 0.2395 | 0.1101  | 2.08E-14 | 58  |
| GCST90274820 | rs3763650  | T | C | 0.2519 | 0.0874  | 5.65E-09 | 34  |
| GCST90274820 | rs4128808  | C | G | 0.3045 | -0.0825 | 2.48E-08 | 31  |
| GCST90274820 | rs41296094 | T | C | 0.9576 | -0.204  | 4.13E-09 | 35  |
| GCST90274820 | rs41296107 | T | C | 0.0888 | -0.2346 | 6.93E-22 | 92  |
| GCST90274820 | rs41302667 | A | G | 0.0912 | -0.2184 | 3.53E-19 | 80  |
| GCST90274820 | rs41302673 | T | G | 0.9061 | 0.2442  | 1.65E-24 | 104 |
| GCST90274820 | rs8176693  | T | C | 0.0962 | 0.2067  | 1.17E-22 | 96  |
| GCST90274820 | rs8176702  | A | G | 0.3791 | 0.0865  | 4.52E-12 | 48  |
| GCST90274820 | rs8176715  | T | C | 0.4197 | 0.0816  | 6.67E-11 | 43  |
| GCST90274820 | rs8176720  | T | C | 0.6472 | -0.1004 | 4.37E-15 | 62  |
| GCST90274820 | rs8176722  | A | C | 0.119  | 0.1706  | 4.19E-19 | 80  |
| GCST90274820 | rs8176725  | A | G | 0.1198 | 0.1676  | 1.71E-18 | 77  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274820 | rs4379511   | T | C | 0.1671 | 0.1494  | 2.26E-19 | 81  |
| GCST90274820 | rs4424335   | C | G | 0.8861 | -0.1694 | 8.04E-18 | 74  |
| GCST90274820 | rs4454354   | T | C | 0.2403 | 0.1086  | 4.64E-14 | 57  |
| GCST90274820 | rs4486266   | A | G | 0.8228 | -0.1468 | 2.13E-19 | 81  |
| GCST90274820 | rs4489379   | T | C | 0.5888 | -0.1136 | 7.84E-16 | 65  |
| GCST90274820 | rs8176746   | T | G | 0.0962 | 0.206   | 1.62E-22 | 95  |
| GCST90274820 | rs8176747   | C | G | 0.9039 | -0.2061 | 2.44E-22 | 95  |
| GCST90274820 | rs8176749   | T | C | 0.0961 | 0.2075  | 8.03E-23 | 97  |
| GCST90274820 | rs8176751   | T | C | 0.1194 | 0.1727  | 2.37E-19 | 81  |
| GCST90274820 | rs8176757   | A | C | 0.6703 | -0.1037 | 2.45E-15 | 63  |
| GCST90274820 | rs8176759   | A | G | 0.0965 | 0.2053  | 2.25E-22 | 95  |
| GCST90274820 | rs886082    | T | G | 0.2038 | 0.1202  | 5.94E-15 | 61  |
| GCST90274820 | rs9328545   | C | G | 0.7955 | -0.1101 | 4.38E-13 | 52  |
| GCST90274820 | rs495828    | T | G | 0.2134 | -0.2622 | 3.66E-71 | 318 |
| GCST90274820 | rs4962039   | T | C | 0.1222 | 0.1616  | 3.87E-17 | 71  |
| GCST90274820 | rs4962040   | A | G | 0.6209 | -0.0868 | 5.62E-12 | 47  |
| GCST90274820 | rs4962104   | T | C | 0.2396 | 0.1098  | 2.44E-14 | 58  |
| GCST90274820 | rs4962106   | A | C | 0.7981 | -0.1269 | 1.72E-16 | 68  |
| GCST90274820 | rs4962107   | T | C | 0.8011 | -0.1295 | 4.13E-17 | 71  |
| GCST90274820 | rs4962108   | A | G | 0.7903 | -0.1182 | 1.11E-14 | 60  |
| GCST90274820 | rs4962111   | T | C | 0.8786 | -0.1601 | 7.52E-17 | 70  |
| GCST90274820 | rs4962150   | A | G | 0.5543 | -0.0778 | 2.18E-08 | 31  |
| GCST90274820 | rs4962153   | A | G | 0.1424 | -0.1773 | 1.28E-23 | 100 |
| GCST90274820 | rs505922    | T | C | 0.6385 | 0.1088  | 3.20E-18 | 76  |
| GCST90274820 | rs507666    | A | G | 0.1912 | -0.287  | 1.66E-78 | 352 |
| GCST90274820 | rs509482    | A | G | 0.2663 | -0.0908 | 8.51E-10 | 38  |
| GCST90274820 | rs512179    | C | G | 0.7332 | 0.0869  | 2.25E-10 | 40  |
| GCST90274820 | rs512887    | A | G | 0.2667 | -0.0873 | 2.51E-10 | 40  |
| GCST90274820 | rs529565    | T | C | 0.6388 | 0.1096  | 1.82E-18 | 77  |
| GCST90274820 | rs532436    | A | G | 0.1916 | -0.2857 | 8.18E-78 | 349 |
| GCST90274820 | rs535064984 | T | C | 0.9909 | -0.6076 | 1.68E-08 | 32  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274820 | rs535855    | A | G | 0.7331 | 0.0875  | 1.69E-10 | 41  |
| GCST90274820 | rs535993    | A | G | 0.7331 | 0.0874  | 1.78E-10 | 41  |
| GCST90274820 | rs543040    | A | T | 0.639  | 0.1087  | 8.16E-16 | 65  |
| GCST90274820 | rs41307428  | T | C | 0.067  | 0.2027  | 1.21E-11 | 46  |
| GCST90274820 | rs4246169   | A | C | 0.8281 | -0.1479 | 1.91E-19 | 81  |
| GCST90274820 | rs4246170   | A | G | 0.8866 | -0.1734 | 1.99E-18 | 77  |
| GCST90274820 | rs4310274   | A | G | 0.1889 | 0.1344  | 1.12E-17 | 73  |
| GCST90274820 | rs4322078   | A | C | 0.1798 | 0.1543  | 1.53E-17 | 73  |
| GCST90274820 | rs4357365   | C | G | 0.1491 | 0.1296  | 2.44E-13 | 54  |
| GCST90274820 | rs558240    | A | G | 0.3891 | -0.1521 | 1.50E-33 | 146 |
| GCST90274820 | rs56161877  | A | C | 0.1997 | 0.1025  | 4.22E-08 | 30  |
| GCST90274820 | rs56343119  | A | C | 0.1405 | -0.2403 | 3.19E-34 | 149 |
| GCST90274820 | rs565126    | A | G | 0.2669 | -0.0871 | 2.76E-10 | 40  |
| GCST90274820 | rs567898    | A | G | 0.7354 | 0.0875  | 3.07E-10 | 40  |
| GCST90274820 | rs4507838   | T | C | 0.1653 | 0.151   | 1.54E-19 | 82  |
| GCST90274820 | rs473533    | T | C | 0.4402 | 0.067   | 3.98E-08 | 30  |
| GCST90274820 | rs475419    | T | C | 0.5599 | -0.0667 | 4.57E-08 | 30  |
| GCST90274820 | rs491626    | T | C | 0.3623 | -0.1089 | 2.99E-18 | 76  |
| GCST90274820 | rs492488    | A | G | 0.3625 | -0.1089 | 2.99E-18 | 76  |
| GCST90274820 | rs493246    | A | G | 0.3625 | -0.1091 | 2.59E-18 | 76  |
| GCST90274820 | rs494242    | T | C | 0.3846 | -0.1055 | 1.77E-17 | 72  |
| GCST90274820 | rs495203    | T | C | 0.3623 | -0.109  | 2.78E-18 | 76  |
| GCST90274820 | rs582118    | A | G | 0.6386 | 0.1084  | 4.25E-18 | 75  |
| GCST90274820 | rs587636620 | A | G | 0.2306 | -0.1144 | 1.26E-08 | 32  |
| GCST90274820 | rs587741971 | C | G | 0.3883 | 0.1079  | 4.73E-11 | 43  |
| GCST90274820 | rs597974    | A | G | 0.6436 | 0.11    | 6.05E-16 | 65  |
| GCST90274820 | rs597988    | A | T | 0.3599 | -0.1112 | 1.09E-18 | 78  |
| GCST90274820 | rs600038    | T | C | 0.7869 | 0.263   | 1.38E-71 | 320 |
| GCST90274820 | rs60484807  | A | G | 0.6709 | -0.1045 | 2.44E-15 | 63  |
| GCST90274820 | rs61052901  | C | G | 0.8057 | -0.1231 | 3.37E-10 | 39  |
| GCST90274820 | rs612169    | A | G | 0.6385 | 0.1086  | 3.69E-18 | 75  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274820 | rs613534    | A | G | 0.6196 | 0.1036  | 6.55E-17 | 70  |
| GCST90274820 | rs623179    | T | C | 0.3162 | -0.0954 | 1.08E-12 | 51  |
| GCST90274820 | rs62574563  | T | C | 0.3244 | -0.0824 | 2.08E-08 | 31  |
| GCST90274820 | rs62574564  | A | G | 0.3235 | -0.0852 | 6.79E-09 | 34  |
| GCST90274820 | rs62574608  | A | G | 0.7375 | 0.0911  | 2.61E-09 | 35  |
| GCST90274820 | rs62574609  | T | C | 0.7348 | 0.0974  | 9.68E-12 | 46  |
| GCST90274820 | rs62574610  | T | C | 0.2666 | -0.0877 | 2.08E-10 | 40  |
| GCST90274820 | rs62574611  | C | G | 0.2667 | -0.0879 | 1.90E-10 | 41  |
| GCST90274820 | rs62576048  | A | G | 0.2625 | 0.0927  | 1.93E-08 | 32  |
| GCST90274820 | rs62576049  | A | G | 0.2594 | 0.0938  | 1.95E-08 | 32  |
| GCST90274820 | rs62576050  | A | G | 0.2595 | 0.0969  | 6.54E-09 | 34  |
| GCST90274820 | rs633862    | T | C | 0.5502 | -0.0685 | 2.56E-08 | 31  |
| GCST90274820 | rs543968    | T | C | 0.6191 | 0.1053  | 2.03E-17 | 72  |
| GCST90274820 | rs544187825 | A | G | 0.0087 | 0.6225  | 8.76E-09 | 33  |
| GCST90274820 | rs544873    | A | G | 0.3841 | -0.1053 | 2.03E-17 | 72  |
| GCST90274820 | rs545971    | T | C | 0.3619 | -0.1083 | 4.55E-18 | 75  |
| GCST90274820 | rs550057    | T | C | 0.2701 | -0.2142 | 1.08E-56 | 252 |
| GCST90274820 | rs554833    | T | C | 0.3625 | -0.1083 | 4.55E-18 | 75  |
| GCST90274820 | rs28602591  | T | C | 0.0965 | -0.2247 | 1.16E-21 | 91  |
| GCST90274820 | rs28602660  | A | G | 0.0933 | -0.2098 | 2.30E-18 | 76  |
| GCST90274820 | rs28632066  | A | G | 0.0663 | 0.2094  | 5.65E-12 | 47  |
| GCST90274820 | rs28645493  | C | G | 0.9092 | 0.2307  | 1.53E-21 | 91  |
| GCST90274820 | rs28658542  | A | C | 0.0961 | -0.2241 | 3.21E-21 | 89  |
| GCST90274820 | rs568022    | C | G | 0.2607 | -0.0883 | 2.12E-10 | 40  |
| GCST90274820 | rs568975    | A | G | 0.2668 | -0.0876 | 1.61E-10 | 41  |
| GCST90274820 | rs572651    | T | C | 0.2671 | -0.0873 | 1.86E-10 | 41  |
| GCST90274820 | rs572653    | A | G | 0.7339 | 0.0882  | 1.64E-10 | 41  |
| GCST90274820 | rs57445522  | C | G | 0.7955 | -0.1102 | 1.14E-09 | 37  |
| GCST90274820 | rs576123    | T | C | 0.6436 | 0.1098  | 6.83E-16 | 65  |
| GCST90274820 | rs579459    | T | C | 0.7868 | 0.2626  | 2.25E-71 | 319 |
| GCST90274820 | rs581107    | T | C | 0.5599 | -0.0666 | 4.79E-08 | 30  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274820 | rs3124766  | A | G | 0.1452 | -0.1839 | 2.76E-25 | 108 |
| GCST90274820 | rs3124767  | T | C | 0.3918 | -0.0889 | 3.84E-10 | 39  |
| GCST90274820 | rs3124768  | A | G | 0.5952 | 0.0758  | 2.39E-09 | 36  |
| GCST90274820 | rs3124775  | A | G | 0.5403 | -0.0902 | 1.42E-09 | 37  |
| GCST90274820 | rs3205136  | A | C | 0.1265 | 0.1572  | 6.18E-17 | 70  |
| GCST90274820 | rs34287205 | T | C | 0.3025 | -0.0791 | 3.57E-09 | 35  |
| GCST90274820 | rs35301114 | T | G | 0.3025 | -0.0785 | 4.68E-09 | 34  |
| GCST90274820 | rs35333961 | A | G | 0.3055 | -0.076  | 1.10E-08 | 33  |
| GCST90274820 | rs35434910 | A | T | 0.2106 | -0.1144 | 9.79E-12 | 46  |
| GCST90274820 | rs35535549 | T | C | 0.303  | -0.0776 | 6.99E-09 | 34  |
| GCST90274820 | rs7045111  | A | G | 0.2033 | 0.1096  | 5.57E-13 | 52  |
| GCST90274820 | rs7045909  | T | C | 0.2038 | 0.1104  | 3.78E-13 | 53  |
| GCST90274820 | rs7046674  | T | C | 0.3794 | 0.0837  | 2.14E-11 | 45  |
| GCST90274820 | rs7046863  | T | C | 0.7971 | -0.1095 | 8.25E-13 | 51  |
| GCST90274820 | rs7048647  | C | G | 0.2044 | 0.1079  | 1.26E-12 | 50  |
| GCST90274820 | rs7390294  | A | G | 0.2052 | 0.1207  | 4.59E-15 | 61  |
| GCST90274820 | rs7390546  | A | T | 0.8278 | -0.1455 | 1.87E-18 | 77  |
| GCST90274820 | rs739468   | T | G | 0.1389 | -0.2077 | 3.08E-26 | 112 |
| GCST90274820 | rs7467847  | C | G | 0.0943 | 0.1992  | 1.95E-20 | 86  |
| GCST90274820 | rs7469576  | A | G | 0.2002 | 0.1067  | 4.25E-12 | 48  |
| GCST90274820 | rs7469795  | T | C | 0.6665 | -0.1018 | 4.67E-14 | 57  |
| GCST90274820 | rs7470777  | A | G | 0.9058 | -0.1981 | 3.14E-20 | 85  |
| GCST90274820 | rs75179845 | T | C | 0.9066 | -0.2089 | 1.64E-22 | 95  |
| GCST90274820 | rs75444660 | A | G | 0.9138 | -0.2138 | 6.78E-21 | 88  |
| GCST90274820 | rs75558026 | A | T | 0.6971 | 0.0766  | 1.09E-08 | 33  |
| GCST90274820 | rs76123860 | C | G | 0.3036 | -0.0791 | 3.57E-09 | 35  |
| GCST90274820 | rs76238963 | A | C | 0.9    | 0.2239  | 3.24E-22 | 94  |
| GCST90274820 | rs76643124 | A | G | 0.0608 | 0.2097  | 2.09E-11 | 45  |
| GCST90274820 | rs77574901 | A | G | 0.8038 | -0.1232 | 2.65E-09 | 35  |
| GCST90274820 | rs77693339 | T | C | 0.9051 | -0.2073 | 2.19E-22 | 95  |
| GCST90274820 | rs7852396  | A | G | 0.8301 | -0.169  | 4.12E-20 | 84  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274820 | rs7853989   | C | G | 0.1194 | 0.1709  | 3.63E-19 | 80  |
| GCST90274820 | rs7855255   | T | C | 0.1192 | 0.1717  | 2.48E-19 | 81  |
| GCST90274820 | rs7855466   | T | C | 0.1714 | 0.1209  | 1.20E-13 | 55  |
| GCST90274820 | rs7855713   | A | G | 0.8774 | -0.1605 | 4.35E-17 | 71  |
| GCST90274820 | rs7855969   | T | G | 0.1959 | 0.1304  | 9.92E-17 | 69  |
| GCST90274820 | rs7857390   | A | G | 0.3828 | 0.09    | 6.95E-11 | 43  |
| GCST90274820 | rs78590974  | T | C | 0.0634 | 0.2214  | 3.90E-13 | 53  |
| GCST90274820 | rs7864821   | T | C | 0.8011 | -0.1286 | 4.27E-17 | 71  |
| GCST90274820 | rs7868232   | T | C | 0.7656 | 0.1017  | 2.07E-10 | 40  |
| GCST90274820 | rs7869054   | C | G | 0.1222 | 0.1603  | 6.89E-17 | 70  |
| GCST90274820 | rs11535669  | C | G | 0.2081 | 0.1107  | 9.59E-10 | 37  |
| GCST90274820 | rs11536928  | A | G | 0.243  | -0.096  | 1.37E-11 | 46  |
| GCST90274820 | rs11536929  | A | G | 0.7331 | 0.0897  | 8.03E-11 | 42  |
| GCST90274820 | rs115478735 | A | T | 0.8112 | 0.2976  | 7.76E-68 | 303 |
| GCST90274820 | rs11559402  | A | G | 0.1971 | 0.1173  | 1.46E-08 | 32  |
| GCST90274820 | rs11562629  | A | T | 0.7958 | -0.1155 | 1.76E-10 | 41  |
| GCST90274820 | rs117119759 | A | G | 0.038  | 0.2614  | 9.25E-10 | 37  |
| GCST90274820 | rs117210485 | A | G | 0.0656 | 0.2283  | 1.80E-10 | 41  |
| GCST90274820 | rs117804300 | A | G | 0.0287 | -0.2281 | 4.95E-09 | 34  |
| GCST90274820 | rs11789393  | A | G | 0.1955 | 0.1267  | 7.03E-16 | 65  |
| GCST90274820 | rs11789398  | A | G | 0.1669 | 0.1499  | 1.71E-19 | 82  |
| GCST90274820 | rs11791611  | A | G | 0.3449 | -0.0813 | 1.64E-08 | 32  |
| GCST90274820 | rs11793170  | A | G | 0.2912 | -0.0847 | 3.52E-10 | 39  |
| GCST90274820 | rs11793870  | A | G | 0.3052 | -0.0749 | 1.79E-08 | 32  |
| GCST90274820 | rs11794634  | T | C | 0.6725 | 0.0969  | 5.86E-11 | 43  |
| GCST90274820 | rs12216891  | T | C | 0.0917 | 0.208   | 9.22E-22 | 92  |
| GCST90274820 | rs12216896  | T | C | 0.0674 | -0.2418 | 9.63E-17 | 69  |
| GCST90274820 | rs12378537  | T | C | 0.1218 | 0.1613  | 1.37E-13 | 55  |
| GCST90274820 | rs12554580  | T | C | 0.6704 | -0.104  | 2.04E-15 | 63  |
| GCST90274820 | rs13295207  | A | C | 0.3502 | -0.0831 | 6.20E-09 | 34  |
| GCST90274820 | rs13299342  | A | G | 0.1738 | 0.1271  | 2.92E-15 | 62  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274820 | rs13299582  | T | C | 0.7892 | -0.1238 | 5.89E-16 | 65  |
| GCST90274820 | rs13300535  | A | G | 0.2082 | 0.1201  | 4.17E-15 | 62  |
| GCST90274820 | rs138683771 | A | C | 0.9792 | 0.3845  | 7.31E-13 | 51  |
| GCST90274820 | rs145526382 | T | C | 0.0354 | -0.3145 | 2.74E-15 | 62  |
| GCST90274820 | rs147278971 | T | C | 0.9672 | 0.2336  | 6.41E-10 | 38  |
| GCST90274820 | rs149181677 | T | C | 0.058  | -0.2555 | 2.63E-16 | 67  |
| GCST90274820 | rs150983647 | T | C | 0.009  | 0.6489  | 3.66E-09 | 35  |
| GCST90274820 | rs1633512   | T | C | 0.7336 | 0.0875  | 2.29E-10 | 40  |
| GCST90274820 | rs17150482  | T | C | 0.703  | -0.1249 | 1.15E-20 | 87  |
| GCST90274820 | rs17150637  | C | G | 0.7437 | -0.0862 | 7.24E-09 | 33  |
| GCST90274820 | rs17474001  | T | C | 0.1409 | -0.1991 | 1.94E-28 | 122 |
| GCST90274820 | rs1752337   | T | G | 0.7334 | 0.0881  | 1.27E-10 | 41  |
| GCST90274820 | rs1752338   | A | C | 0.2667 | -0.0877 | 1.54E-10 | 41  |
| GCST90274820 | rs176689    | T | G | 0.2671 | -0.0871 | 2.05E-10 | 40  |
| GCST90274820 | rs176690    | T | C | 0.2431 | -0.0973 | 7.28E-12 | 47  |
| GCST90274820 | rs176693    | T | C | 0.267  | -0.0878 | 1.99E-10 | 40  |
| GCST90274820 | rs176694    | T | G | 0.8945 | 0.2308  | 2.12E-31 | 136 |
| GCST90274820 | rs176695    | A | G | 0.7334 | 0.0881  | 1.72E-10 | 41  |
| GCST90274820 | rs176698    | A | C | 0.733  | 0.0869  | 3.03E-10 | 40  |
| GCST90274820 | rs176700    | A | G | 0.2438 | -0.0957 | 1.59E-11 | 45  |
| GCST90274820 | rs180915454 | T | C | 0.0074 | 0.6645  | 1.60E-08 | 32  |
| GCST90274820 | rs183853102 | A | T | 0.0581 | -0.3241 | 6.78E-23 | 97  |
| GCST90274820 | rs184916705 | A | C | 0.2617 | -0.0896 | 3.71E-10 | 39  |
| GCST90274820 | rs187099314 | T | C | 0.0971 | 0.2125  | 3.57E-21 | 89  |
| GCST90274820 | rs188743906 | T | C | 0.0091 | 0.6804  | 7.14E-10 | 38  |
| GCST90274820 | rs2013075   | T | C | 0.0961 | 0.1915  | 2.46E-19 | 81  |
| GCST90274820 | rs2073823   | A | G | 0.1193 | 0.171   | 3.46E-19 | 80  |
| GCST90274820 | rs2073824   | A | G | 0.6466 | -0.0996 | 7.18E-15 | 61  |
| GCST90274820 | rs2073826   | T | G | 0.4016 | 0.0855  | 5.38E-12 | 48  |
| GCST90274820 | rs2073827   | C | G | 0.4017 | 0.0852  | 6.38E-12 | 47  |
| GCST90274820 | rs2073828   | A | G | 0.4013 | 0.0855  | 5.38E-12 | 48  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274820 | rs2073870  | T | G | 0.1895 | 0.1479  | 1.90E-17 | 72  |
| GCST90274820 | rs2073932  | A | G | 0.4057 | -0.0772 | 1.21E-09 | 37  |
| GCST90274820 | rs2073935  | T | G | 0.273  | -0.1034 | 3.40E-11 | 44  |
| GCST90274820 | rs2289779  | T | G | 0.5419 | 0.0788  | 4.09E-09 | 35  |
| GCST90274820 | rs2519093  | T | C | 0.1919 | -0.2881 | 4.28E-79 | 355 |
| GCST90274820 | rs2769071  | A | G | 0.6372 | 0.1085  | 3.96E-18 | 75  |
| GCST90274820 | rs28360841 | A | G | 0.2094 | 0.1028  | 1.12E-08 | 33  |
| GCST90274820 | rs28417862 | A | G | 0.2028 | 0.1089  | 1.78E-09 | 36  |
| GCST90274820 | rs28446901 | C | G | 0.8136 | 0.1165  | 1.54E-10 | 41  |
| GCST90274820 | rs635634   | T | C | 0.1918 | -0.2885 | 2.61E-79 | 356 |
| GCST90274820 | rs643434   | A | G | 0.384  | -0.106  | 1.25E-17 | 73  |
| GCST90274820 | rs647800   | A | G | 0.4183 | 0.0672  | 4.67E-08 | 30  |
| GCST90274820 | rs649129   | T | C | 0.2173 | -0.2658 | 2.35E-69 | 310 |
| GCST90274820 | rs651007   | T | C | 0.2136 | -0.2623 | 3.24E-71 | 318 |
| GCST90274820 | rs654944   | T | C | 0.7383 | 0.0892  | 4.44E-10 | 39  |
| GCST90274820 | rs657152   | A | C | 0.3843 | -0.1056 | 9.05E-18 | 74  |
| GCST90274820 | rs659104   | T | G | 0.4403 | 0.0668  | 4.37E-08 | 30  |
| GCST90274820 | rs6597604  | A | G | 0.704  | 0.0844  | 9.38E-09 | 33  |
| GCST90274820 | rs6597610  | A | G | 0.8016 | -0.1299 | 3.31E-17 | 71  |
| GCST90274820 | rs6597613  | C | G | 0.7958 | -0.1106 | 3.43E-13 | 53  |
| GCST90274820 | rs6597614  | A | G | 0.1895 | 0.1157  | 1.20E-13 | 55  |
| GCST90274820 | rs6597615  | T | C | 0.7946 | -0.1104 | 3.78E-13 | 53  |
| GCST90274820 | rs6597618  | T | C | 0.7934 | -0.1094 | 6.14E-13 | 52  |
| GCST90274820 | rs660340   | A | G | 0.4403 | 0.0667  | 4.57E-08 | 30  |
| GCST90274820 | rs674302   | A | T | 0.3623 | -0.1084 | 4.25E-18 | 75  |
| GCST90274820 | rs676457   | A | T | 0.6378 | 0.1089  | 2.99E-18 | 76  |
| GCST90274820 | rs677355   | A | G | 0.3623 | -0.1085 | 3.96E-18 | 75  |
| GCST90274820 | rs683236   | T | C | 0.7343 | 0.0896  | 5.95E-09 | 34  |
| GCST90274820 | rs687621   | A | G | 0.638  | 0.1098  | 1.58E-18 | 77  |
| GCST90274820 | rs7023066  | A | G | 0.7858 | -0.0983 | 7.52E-11 | 42  |
| GCST90274820 | rs7030248  | A | G | 0.3596 | 0.1181  | 1.41E-20 | 86  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274820 | rs7033492  | T | C | 0.5134 | 0.0968  | 4.55E-11 | 43  |
| GCST90274820 | rs7034353  | T | C | 0.7949 | -0.1098 | 5.06E-13 | 52  |
| GCST90274820 | rs7034706  | T | C | 0.7952 | -0.1097 | 5.31E-13 | 52  |
| GCST90274820 | rs7036642  | A | G | 0.3795 | 0.0831  | 2.97E-11 | 44  |
| GCST90274820 | rs7043707  | A | G | 0.7932 | -0.1239 | 8.59E-16 | 65  |
| GCST90274820 | rs7043853  | A | G | 0.7947 | -0.1099 | 4.82E-13 | 52  |
| GCST90274820 | rs7044125  | A | C | 0.8556 | -0.1322 | 2.07E-13 | 54  |
| GCST90274820 | rs1052517  | A | G | 0.1932 | 0.1371  | 1.52E-18 | 77  |
| GCST90274820 | rs10736860 | T | C | 0.8015 | -0.1299 | 3.31E-17 | 71  |
| GCST90274820 | rs10751501 | T | C | 0.8077 | -0.1275 | 3.22E-14 | 58  |
| GCST90274820 | rs10751502 | A | G | 0.6706 | -0.1037 | 2.45E-15 | 63  |
| GCST90274820 | rs10793957 | T | G | 0.8009 | -0.1286 | 6.79E-17 | 70  |
| GCST90274820 | rs10793958 | A | G | 0.7605 | -0.1093 | 3.19E-14 | 58  |
| GCST90274820 | rs10793959 | A | G | 0.8019 | -0.1304 | 2.51E-17 | 72  |
| GCST90274820 | rs10793960 | A | G | 0.1686 | 0.1686  | 3.17E-20 | 85  |
| GCST90274820 | rs10793961 | T | C | 0.2074 | 0.1384  | 3.91E-16 | 66  |
| GCST90274820 | rs10793962 | A | T | 0.9036 | -0.2098 | 4.32E-23 | 98  |
| GCST90274820 | rs10901246 | T | G | 0.7682 | -0.1092 | 7.46E-14 | 56  |
| GCST90274820 | rs10901247 | A | C | 0.2317 | 0.1097  | 5.75E-14 | 56  |
| GCST90274820 | rs10901248 | T | C | 0.7869 | -0.1195 | 3.79E-15 | 62  |
| GCST90274820 | rs10901250 | A | G | 0.161  | 0.1303  | 6.07E-15 | 61  |
| GCST90274820 | rs10901251 | A | C | 0.7958 | -0.1104 | 3.78E-13 | 53  |
| GCST90274820 | rs10901252 | C | G | 0.0963 | 0.2068  | 2.76E-22 | 94  |
| GCST90274820 | rs10901256 | T | C | 0.7277 | -0.1364 | 4.88E-23 | 98  |
| GCST90274820 | rs10901257 | A | G | 0.2713 | 0.1378  | 1.76E-23 | 100 |
| GCST90274820 | rs11244034 | T | C | 0.193  | 0.1373  | 1.35E-18 | 77  |
| GCST90274820 | rs11244035 | T | C | 0.0971 | -0.2126 | 5.01E-20 | 84  |
| GCST90274820 | rs11244037 | T | C | 0.2084 | -0.1495 | 3.57E-18 | 76  |
| GCST90274820 | rs11244038 | C | G | 0.0868 | 0.2105  | 1.81E-20 | 86  |
| GCST90274820 | rs11244041 | A | G | 0.7932 | -0.1388 | 3.22E-16 | 67  |
| GCST90274820 | rs11244049 | T | C | 0.9062 | -0.2048 | 1.64E-21 | 91  |

|              |             |   |   |        |         |           |      |
|--------------|-------------|---|---|--------|---------|-----------|------|
| GCST90274820 | rs11244051  | A | G | 0.028  | -0.3519 | 1.28E-13  | 55   |
| GCST90274820 | rs11244061  | T | C | 0.1111 | -0.2233 | 2.32E-30  | 131  |
| GCST90274820 | rs11244065  | T | C | 0.2666 | -0.0901 | 6.62E-11  | 43   |
| GCST90274820 | rs11244079  | A | G | 0.0859 | 0.2108  | 3.41E-20  | 85   |
| GCST90274820 | rs11244084  | T | C | 0.0695 | -0.209  | 2.39E-14  | 58   |
| GCST90274820 | rs1137827   | T | C | 0.0963 | 0.2071  | 1.53E-22  | 95   |
| GCST90274820 | rs11531875  | T | C | 0.8062 | -0.1147 | 5.65E-10  | 38   |
| GCST90274820 | rs3124764   | T | C | 0.1378 | -0.2136 | 3.93E-27  | 116  |
| GCST90274820 | rs28546420  | A | G | 0.7941 | -0.1449 | 3.94E-16  | 66   |
| GCST90274820 | rs28470788  | T | G | 0.2007 | 0.1491  | 8.11E-17  | 69   |
| GCST90274820 | rs28668122  | T | C | 0.2045 | 0.1135  | 3.59E-10  | 39   |
| GCST90274820 | rs28453139  | A | G | 0.2046 | 0.0999  | 4.79E-08  | 30   |
| GCST90274820 | rs28464387  | T | C | 0.2005 | 0.1044  | 1.67E-08  | 32   |
| GCST90274820 | rs2886307   | A | G | 0.293  | -0.0855 | 7.60E-09  | 33   |
| GCST90274820 | rs28479961  | T | G | 0.211  | 0.1287  | 1.40E-13  | 55   |
| GCST90274820 | rs28536509  | T | C | 0.2004 | 0.1051  | 9.29E-09  | 33   |
| GCST90274820 | rs28538967  | C | G | 0.097  | -0.2337 | 4.06E-23  | 98   |
| GCST90274820 | rs3124761   | T | C | 0.1375 | -0.2091 | 1.39E-25  | 109  |
| GCST90274820 | rs3094373   | A | T | 0.0402 | -0.2342 | 2.74E-10  | 40   |
| GCST90274820 | rs3094377   | T | C | 0.0439 | -0.218  | 1.13E-09  | 37   |
| GCST90274820 | rs28678509  | A | G | 0.2069 | 0.0996  | 4.44E-08  | 30   |
| GCST90274820 | rs3094379   | T | C | 0.1397 | -0.2092 | 4.30E-26  | 112  |
| GCST90274822 | rs112062237 | A | C | 0.2284 | 0.1151  | 2.01E-16  | 68   |
| GCST90274822 | rs11654149  | T | C | 0.8146 | 0.9154  | 1.00E-200 | 4530 |
| GCST90274822 | rs112362277 | T | C | 0.9267 | 0.43    | 1.09E-76  | 344  |
| GCST90274822 | rs113215162 | C | G | 0.9196 | 0.3864  | 9.27E-60  | 266  |
| GCST90274822 | rs113274498 | T | C | 0.7692 | -0.0968 | 3.31E-12  | 48   |
| GCST90274822 | rs111527590 | C | G | 0.9206 | 0.3827  | 3.53E-58  | 259  |
| GCST90274822 | rs111843487 | T | G | 0.0858 | -0.3647 | 7.93E-69  | 307  |
| GCST90274822 | rs111871576 | A | C | 0.0729 | -0.4323 | 8.20E-79  | 353  |
| GCST90274822 | rs4795882   | T | G | 0.7592 | 0.2089  | 7.84E-46  | 202  |

|              |             |   |   |        |         |           |      |
|--------------|-------------|---|---|--------|---------|-----------|------|
| GCST90274822 | rs112571888 | C | G | 0.0698 | -0.4685 | 1.98E-88  | 397  |
| GCST90274822 | rs112992914 | T | G | 0.0449 | 0.3401  | 4.10E-18  | 75   |
| GCST90274822 | rs113202649 | T | C | 0.9158 | 0.3967  | 7.42E-79  | 353  |
| GCST90274822 | rs11575060  | T | C | 0.1801 | -0.9609 | 1.00E-200 | 4992 |
| GCST90274822 | rs11650048  | T | C | 0.0193 | -0.9062 | 1.69E-79  | 356  |
| GCST90274822 | rs11650483  | A | C | 0.8309 | -0.2475 | 2.50E-53  | 236  |
| GCST90274822 | rs11080270  | A | G | 0.8159 | 0.9193  | 1.00E-200 | 4503 |
| GCST90274822 | rs1112701   | A | G | 0.3855 | -0.1961 | 5.19E-61  | 272  |
| GCST90274822 | rs111346917 | C | G | 0.9254 | 0.4092  | 1.25E-63  | 284  |
| GCST90274822 | rs11651946  | T | C | 0.6485 | 0.0679  | 4.36E-08  | 30   |
| GCST90274822 | rs11652027  | A | G | 0.1848 | -0.9187 | 1.00E-200 | 4563 |
| GCST90274822 | rs11652256  | A | G | 0.0323 | -0.9051 | 3.48E-144 | 654  |
| GCST90274822 | rs11652342  | A | G | 0.1004 | 0.1394  | 1.65E-11  | 45   |
| GCST90274822 | rs11652585  | T | G | 0.0822 | -0.3708 | 7.12E-68  | 303  |
| GCST90274822 | rs10512462  | A | G | 0.9142 | 0.2332  | 6.15E-27  | 115  |
| GCST90274822 | rs1078169   | A | C | 0.3833 | -0.0955 | 2.17E-14  | 58   |
| GCST90274822 | rs10853162  | A | G | 0.3365 | 0.3252  | 4.88E-154 | 699  |
| GCST90274822 | rs11080264  | A | G | 0.6176 | 0.1699  | 2.55E-36  | 158  |
| GCST90274822 | rs11080268  | C | G | 0.1853 | -0.9164 | 1.00E-200 | 4474 |
| GCST90274822 | rs11080269  | T | C | 0.8158 | 0.9192  | 1.00E-200 | 4502 |
| GCST90274822 | rs56100872  | T | C | 0.0716 | 0.1596  | 2.93E-11  | 44   |
| GCST90274822 | rs56230846  | A | G | 0.8366 | -0.313  | 2.87E-86  | 388  |
| GCST90274822 | rs56231516  | C | G | 0.6355 | 0.2255  | 4.45E-80  | 359  |
| GCST90274822 | rs2079662   | T | C | 0.1101 | -0.2483 | 3.10E-40  | 176  |
| GCST90274822 | rs2098046   | A | G | 0.8152 | -0.221  | 3.94E-49  | 217  |
| GCST90274822 | rs2108826   | T | C | 0.9261 | 0.4369  | 3.80E-81  | 364  |
| GCST90274822 | rs212450    | T | G | 0.8424 | 0.1181  | 2.21E-13  | 54   |
| GCST90274822 | rs212451    | A | G | 0.1567 | -0.1188 | 1.60E-13  | 54   |
| GCST90274822 | rs112688485 | A | G | 0.0156 | -0.7172 | 1.23E-20  | 87   |
| GCST90274822 | rs4795893   | A | G | 0.3638 | -0.07   | 7.25E-09  | 33   |
| GCST90274822 | rs4795895   | A | G | 0.1827 | 0.2212  | 1.37E-48  | 215  |

|              |             |   |   |        |         |           |      |
|--------------|-------------|---|---|--------|---------|-----------|------|
| GCST90274822 | rs4795896   | T | C | 0.8762 | 0.3094  | 5.53E-54  | 239  |
| GCST90274822 | rs113342836 | T | C | 0.9354 | 0.6211  | 1.84E-146 | 664  |
| GCST90274822 | rs1133763   | A | C | 0.8362 | 1.0539  | 1.00E-200 | 5749 |
| GCST90274822 | rs113881    | A | C | 0.8218 | 0.1268  | 1.16E-16  | 69   |
| GCST90274822 | rs113900419 | T | G | 0.828  | -0.1806 | 2.25E-31  | 136  |
| GCST90274822 | rs114307675 | A | C | 0.013  | -0.3185 | 1.37E-08  | 32   |
| GCST90274822 | rs114523843 | T | C | 0.0106 | -0.5227 | 4.63E-15  | 61   |
| GCST90274822 | rs114766275 | T | C | 0.9886 | 0.9887  | 5.56E-32  | 139  |
| GCST90274822 | rs114998457 | A | C | 0.07   | -0.4702 | 4.64E-89  | 400  |
| GCST90274822 | rs11575056  | A | G | 0.934  | -0.4164 | 2.74E-62  | 277  |
| GCST90274822 | rs11575057  | T | C | 0.8198 | 0.9604  | 1.00E-200 | 4987 |
| GCST90274822 | rs11575059  | C | G | 0.8201 | 0.9622  | 1.00E-200 | 5006 |
| GCST90274822 | rs4795944   | T | C | 0.8276 | 0.0909  | 2.45E-08  | 31   |
| GCST90274822 | rs532378821 | T | C | 0.0794 | -0.383  | 8.53E-58  | 257  |
| GCST90274822 | rs533719689 | A | T | 0.995  | 0.9282  | 6.50E-14  | 56   |
| GCST90274822 | rs11650771  | T | C | 0.8279 | -0.1838 | 1.95E-32  | 141  |
| GCST90274822 | rs11651133  | T | C | 0.8159 | -0.2279 | 3.53E-50  | 222  |
| GCST90274822 | rs11651806  | C | G | 0.1512 | 0.2857  | 1.31E-69  | 311  |
| GCST90274822 | rs1029719   | T | C | 0.4067 | 0.1953  | 1.58E-60  | 269  |
| GCST90274822 | rs1029720   | T | C | 0.406  | 0.1927  | 5.99E-60  | 267  |
| GCST90274822 | rs10438808  | A | C | 0.1835 | 0.2233  | 4.02E-50  | 222  |
| GCST90274822 | rs10491109  | T | G | 0.128  | 0.2046  | 5.09E-29  | 125  |
| GCST90274822 | rs10491110  | T | C | 0.9297 | 0.5621  | 1.38E-128 | 582  |
| GCST90274822 | rs55891358  | A | G | 0.165  | 0.2943  | 1.96E-77  | 347  |
| GCST90274822 | rs55897449  | T | C | 0.0788 | 0.1499  | 4.88E-11  | 43   |
| GCST90274822 | rs55953307  | T | G | 0.1036 | -0.2295 | 1.32E-32  | 141  |
| GCST90274822 | rs55968014  | A | G | 0.1849 | -0.9168 | 1.00E-200 | 4478 |
| GCST90274822 | rs56072306  | A | C | 0.3704 | 0.2424  | 7.57E-88  | 395  |
| GCST90274822 | rs56088753  | A | C | 0.8766 | 0.1963  | 1.40E-28  | 123  |
| GCST90274822 | rs201906937 | A | T | 0.9361 | 0.2062  | 1.61E-08  | 32   |
| GCST90274822 | rs2028036   | A | T | 0.0786 | 0.1534  | 1.72E-11  | 45   |

|              |             |   |   |        |         |           |      |
|--------------|-------------|---|---|--------|---------|-----------|------|
| GCST90274822 | rs2041190   | A | G | 0.6108 | -0.4127 | 1.00E-200 | 1203 |
| GCST90274822 | rs3038753   | T | C | 0.1094 | -0.2719 | 6.50E-43  | 189  |
| GCST90274822 | rs56244442  | A | G | 0.8853 | 1.0386  | 1.00E-200 | 3563 |
| GCST90274822 | rs56279842  | A | C | 0.058  | 0.2061  | 7.41E-15  | 60   |
| GCST90274822 | rs56352612  | A | G | 0.1028 | -0.2357 | 5.77E-34  | 148  |
| GCST90274822 | rs56376020  | T | C | 0.1646 | 0.3135  | 4.49E-75  | 336  |
| GCST90274822 | rs4795883   | T | C | 0.2527 | -0.1191 | 3.52E-18  | 76   |
| GCST90274822 | rs4795889   | T | C | 0.2297 | 0.1031  | 1.20E-13  | 55   |
| GCST90274822 | rs212489    | A | G | 0.822  | 0.127   | 1.04E-16  | 69   |
| GCST90274822 | rs212490    | A | G | 0.8219 | 0.1266  | 1.29E-16  | 68   |
| GCST90274822 | rs4795898   | T | C | 0.9187 | 0.7248  | 1.00E-200 | 1203 |
| GCST90274822 | rs4795899   | A | C | 0.1242 | -0.306  | 2.34E-53  | 236  |
| GCST90274822 | rs4795902   | T | C | 0.7714 | -0.1134 | 5.50E-16  | 66   |
| GCST90274822 | rs4795903   | T | C | 0.1839 | 0.2243  | 1.48E-50  | 224  |
| GCST90274822 | rs4795904   | A | G | 0.2272 | 0.1138  | 6.98E-16  | 65   |
| GCST90274822 | rs4795908   | A | T | 0.885  | 1.0364  | 1.00E-200 | 3548 |
| GCST90274822 | rs4795910   | T | G | 0.912  | 0.427   | 1.40E-88  | 398  |
| GCST90274822 | rs4795912   | C | G | 0.8152 | 0.9192  | 1.00E-200 | 4437 |
| GCST90274822 | rs4795917   | A | G | 0.1715 | -0.1212 | 1.71E-14  | 59   |
| GCST90274822 | rs4795938   | T | C | 0.1464 | -0.0963 | 9.92E-09  | 33   |
| GCST90274822 | rs4795943   | A | C | 0.1447 | -0.1068 | 1.04E-09  | 37   |
| GCST90274822 | rs1897351   | A | G | 0.1803 | -0.9604 | 1.00E-200 | 4987 |
| GCST90274822 | rs1897354   | T | C | 0.18   | -0.961  | 1.00E-200 | 4993 |
| GCST90274822 | rs190061900 | T | G | 0.995  | 1.2497  | 1.65E-15  | 63   |
| GCST90274822 | rs536294134 | A | T | 0.9946 | 0.945   | 3.83E-12  | 48   |
| GCST90274822 | rs544958432 | T | C | 0.0076 | -0.8529 | 3.05E-17  | 71   |
| GCST90274822 | rs546008705 | T | C | 0.9943 | 0.611   | 2.41E-08  | 31   |
| GCST90274822 | rs548291812 | T | C | 0.0053 | -0.981  | 4.36E-21  | 89   |
| GCST90274822 | rs555617965 | T | G | 0.9906 | 0.7059  | 4.49E-13  | 52   |
| GCST90274822 | rs558106118 | T | C | 0.9889 | 0.8871  | 9.18E-11  | 42   |
| GCST90274822 | rs55850020  | A | G | 0.9284 | -0.1599 | 2.23E-11  | 45   |

|              |             |   |   |        |         |           |      |
|--------------|-------------|---|---|--------|---------|-----------|------|
| GCST90274822 | rs55885098  | C | G | 0.1646 | -0.2057 | 2.22E-37  | 163  |
| GCST90274822 | rs2005314   | T | C | 0.2221 | 0.0955  | 4.51E-11  | 43   |
| GCST90274822 | rs2005792   | A | G | 0.7531 | 0.1744  | 1.21E-37  | 164  |
| GCST90274822 | rs2017167   | A | G | 0.3645 | -0.2249 | 1.16E-79  | 357  |
| GCST90274822 | rs2017180   | A | G | 0.6352 | 0.2234  | 1.25E-78  | 352  |
| GCST90274822 | rs2017629   | A | G | 0.0844 | -0.3536 | 1.28E-63  | 284  |
| GCST90274822 | rs201838321 | A | G | 0.1245 | -0.3112 | 1.03E-41  | 183  |
| GCST90274822 | rs2857657   | C | G | 0.8127 | -0.1962 | 4.28E-39  | 171  |
| GCST90274822 | rs28629939  | A | G | 0.9184 | 0.3741  | 1.99E-68  | 306  |
| GCST90274822 | rs2887258   | A | G | 0.365  | -0.0989 | 2.37E-13  | 54   |
| GCST90274822 | rs1821141   | T | C | 0.8199 | 0.959   | 1.00E-200 | 4972 |
| GCST90274822 | rs1821142   | T | C | 0.0184 | 0.4013  | 4.64E-17  | 70   |
| GCST90274822 | rs182405760 | T | C | 0.0056 | -1.2598 | 7.29E-27  | 115  |
| GCST90274822 | rs183076368 | A | G | 0.9864 | 0.7534  | 3.20E-10  | 40   |
| GCST90274822 | rs183823727 | A | G | 0.0027 | -1.2059 | 2.38E-11  | 45   |
| GCST90274822 | rs184052256 | T | C | 0.9934 | 0.8724  | 8.99E-10  | 38   |
| GCST90274822 | rs184900886 | A | G | 0.0044 | -0.8874 | 3.90E-10  | 39   |
| GCST90274822 | rs184953165 | T | C | 0.9947 | 0.9849  | 2.56E-15  | 63   |
| GCST90274822 | rs184983166 | A | C | 0.0174 | 0.3538  | 5.18E-13  | 52   |
| GCST90274822 | rs212491    | A | G | 0.2721 | -0.1128 | 1.28E-17  | 73   |
| GCST90274822 | rs212492    | A | G | 0.822  | 0.1266  | 1.29E-16  | 68   |
| GCST90274822 | rs212493    | T | C | 0.728  | 0.1134  | 8.63E-18  | 74   |
| GCST90274822 | rs212494    | A | G | 0.178  | -0.1268 | 1.16E-16  | 69   |
| GCST90274822 | rs212495    | T | C | 0.1779 | -0.1276 | 1.17E-16  | 69   |
| GCST90274822 | rs212496    | A | G | 0.1788 | -0.1274 | 8.31E-17  | 69   |
| GCST90274822 | rs212498    | A | G | 0.7281 | 0.115   | 9.32E-18  | 74   |
| GCST90274822 | rs2159220   | A | G | 0.1782 | 0.1985  | 1.72E-38  | 168  |
| GCST90274822 | rs2190967   | T | C | 0.8276 | -0.1788 | 3.65E-31  | 135  |
| GCST90274822 | rs2190968   | T | C | 0.1836 | 0.2272  | 6.99E-50  | 221  |
| GCST90274822 | rs2190970   | T | C | 0.9209 | 0.7035  | 1.00E-200 | 1081 |
| GCST90274822 | rs2190973   | A | G | 0.385  | -0.1979 | 4.21E-62  | 277  |

|              |             |   |   |        |         |           |      |
|--------------|-------------|---|---|--------|---------|-----------|------|
| GCST90274822 | rs2215181   | A | G | 0.1722 | 0.18    | 3.54E-31  | 135  |
| GCST90274822 | rs2215183   | T | C | 0.5534 | 0.3321  | 1.43E-186 | 849  |
| GCST90274822 | rs190834106 | A | C | 0.009  | -1.0027 | 1.74E-42  | 187  |
| GCST90274822 | rs191439157 | T | C | 0.0086 | -0.7177 | 9.45E-10  | 37   |
| GCST90274822 | rs191739787 | A | G | 0.0059 | -1.0384 | 8.61E-09  | 33   |
| GCST90274822 | rs192871015 | A | C | 0.0035 | -0.9622 | 2.72E-08  | 31   |
| GCST90274822 | rs193068474 | A | G | 0.0087 | 0.4905  | 1.72E-08  | 32   |
| GCST90274822 | rs1946589   | A | G | 0.9817 | -0.3947 | 2.29E-16  | 67   |
| GCST90274822 | rs1989313   | A | G | 0.1079 | -0.26   | 4.65E-43  | 189  |
| GCST90274822 | rs2003533   | A | G | 0.1071 | -0.2605 | 3.22E-43  | 190  |
| GCST90274822 | rs2368469   | T | C | 0.1824 | 0.2216  | 9.25E-49  | 215  |
| GCST90274822 | rs2368473   | T | C | 0.6014 | -0.1826 | 5.15E-54  | 239  |
| GCST90274822 | rs2530797   | T | C | 0.6393 | -0.1476 | 3.17E-34  | 149  |
| GCST90274822 | rs28481802  | A | G | 0.2652 | 0.3234  | 1.89E-121 | 549  |
| GCST90274822 | rs2857653   | T | C | 0.189  | 0.1926  | 8.56E-37  | 161  |
| GCST90274822 | rs2857655   | A | T | 0.0561 | 0.2922  | 1.70E-25  | 109  |
| GCST90274822 | rs4794992   | A | G | 0.8212 | 0.3775  | 1.61E-110 | 499  |
| GCST90274822 | rs4794993   | A | G | 0.3652 | -0.2262 | 1.45E-80  | 361  |
| GCST90274822 | rs4794994   | T | G | 0.1721 | 0.1815  | 1.14E-31  | 137  |
| GCST90274822 | rs4794995   | A | G | 0.172  | 0.1809  | 1.79E-31  | 136  |
| GCST90274822 | rs4794998   | A | G | 0.8211 | 0.9608  | 1.00E-200 | 4918 |
| GCST90274822 | rs4794999   | A | G | 0.8205 | 0.9612  | 1.00E-200 | 4995 |
| GCST90274822 | rs4795000   | A | T | 0.1805 | -0.9607 | 1.00E-200 | 4990 |
| GCST90274822 | rs4795001   | A | T | 0.371  | -0.5278 | 1.00E-200 | 2070 |
| GCST90274822 | rs4795881   | T | G | 0.1311 | -0.1808 | 5.09E-23  | 98   |
| GCST90274822 | rs144643985 | C | G | 0.1149 | 0.1456  | 3.64E-11  | 44   |
| GCST90274822 | rs145282674 | T | G | 0.9657 | -0.2895 | 2.17E-15  | 63   |
| GCST90274822 | rs145656711 | A | T | 0.9657 | -0.2856 | 1.38E-14  | 59   |
| GCST90274822 | rs185313572 | A | G | 0.9893 | 1.1764  | 1.59E-16  | 68   |
| GCST90274822 | rs1860179   | T | C | 0.3593 | -0.1219 | 7.17E-24  | 101  |
| GCST90274822 | rs1860180   | A | G | 0.4654 | 0.1662  | 2.50E-44  | 195  |

|              |             |   |   |        |         |           |      |
|--------------|-------------|---|---|--------|---------|-----------|------|
| GCST90274822 | rs1860183   | T | C | 0.2303 | -0.1806 | 4.50E-38  | 166  |
| GCST90274822 | rs1860185   | T | C | 0.8162 | -0.223  | 5.42E-50  | 221  |
| GCST90274822 | rs1860186   | C | G | 0.3664 | -0.0946 | 5.36E-15  | 61   |
| GCST90274822 | rs1860187   | A | G | 0.0833 | -0.396  | 3.76E-77  | 346  |
| GCST90274822 | rs1860190   | A | T | 0.3647 | -0.0732 | 1.45E-09  | 37   |
| GCST90274822 | rs186850503 | A | G | 0.0037 | -0.9286 | 2.09E-09  | 36   |
| GCST90274822 | rs187172592 | T | C | 0.0109 | -0.8405 | 5.23E-10  | 39   |
| GCST90274822 | rs188083458 | T | C | 0.0074 | -1.104  | 3.36E-27  | 117  |
| GCST90274822 | rs189146049 | A | T | 0.9929 | 0.7955  | 1.89E-08  | 32   |
| GCST90274822 | rs1008285   | T | C | 0.3619 | -0.0676 | 4.99E-08  | 30   |
| GCST90274822 | rs1014250   | A | G | 0.1519 | -0.0941 | 1.18E-08  | 33   |
| GCST90274822 | rs2215184   | T | C | 0.8853 | 1.0364  | 1.00E-200 | 3548 |
| GCST90274822 | rs2215185   | T | C | 0.8175 | -0.2325 | 3.47E-54  | 240  |
| GCST90274822 | rs2217553   | C | G | 0.8026 | -0.1072 | 4.38E-13  | 52   |
| GCST90274822 | rs2338998   | T | C | 0.6376 | -0.24   | 8.65E-85  | 381  |
| GCST90274822 | rs2339001   | A | G | 0.1833 | -0.9192 | 1.00E-200 | 4502 |
| GCST90274822 | rs2339002   | A | C | 0.1834 | -0.9189 | 1.00E-200 | 4499 |
| GCST90274822 | rs2339003   | T | C | 0.1181 | -1.0083 | 1.00E-200 | 3320 |
| GCST90274822 | rs2339004   | A | G | 0.363  | 0.239   | 4.23E-84  | 378  |
| GCST90274822 | rs4547380   | A | G | 0.6434 | 0.537   | 1.00E-200 | 2036 |
| GCST90274822 | rs4552063   | T | G | 0.8235 | -0.1665 | 1.12E-23  | 101  |
| GCST90274822 | rs4578711   | A | G | 0.1248 | -0.3158 | 9.45E-45  | 197  |
| GCST90274822 | rs4586      | T | C | 0.6344 | 0.0766  | 2.44E-10  | 40   |
| GCST90274822 | rs4614780   | C | G | 0.1779 | 0.1646  | 1.95E-23  | 100  |
| GCST90274822 | rs4794990   | T | C | 0.1083 | -0.2592 | 8.34E-43  | 188  |
| GCST90274822 | rs159266    | T | C | 0.8416 | 0.1166  | 4.41E-13  | 52   |
| GCST90274822 | rs11654788  | T | C | 0.1507 | 0.2887  | 4.86E-71  | 318  |
| GCST90274822 | rs11656007  | A | G | 0.3342 | 0.329   | 1.30E-157 | 715  |
| GCST90274822 | rs11656109  | A | C | 0.8441 | -0.3069 | 4.43E-79  | 355  |
| GCST90274822 | rs11657810  | A | G | 0.9263 | 0.438   | 7.44E-81  | 363  |
| GCST90274822 | rs3091317   | T | C | 0.7735 | -0.1138 | 4.34E-16  | 66   |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274822 | rs3091318   | T | C | 0.9157 | 0.3771  | 1.95E-71 | 319 |
| GCST90274822 | rs3091321   | T | C | 0.2292 | 0.1146  | 2.71E-16 | 67  |
| GCST90274822 | rs3091322   | A | G | 0.8766 | 0.3047  | 6.40E-53 | 234 |
| GCST90274822 | rs3091323   | A | G | 0.1224 | -0.3061 | 7.08E-53 | 234 |
| GCST90274822 | rs3091325   | A | T | 0.1234 | -0.3068 | 1.26E-53 | 238 |
| GCST90274822 | rs3091326   | A | G | 0.8778 | 0.3113  | 1.26E-54 | 242 |
| GCST90274822 | rs145706535 | A | G | 0.9918 | 0.7894  | 2.47E-25 | 108 |
| GCST90274822 | rs145845980 | T | C | 0.0182 | -0.4373 | 5.52E-11 | 43  |
| GCST90274822 | rs146523022 | T | C | 0.1117 | 0.1623  | 3.99E-18 | 75  |
| GCST90274822 | rs147183782 | T | C | 0.8737 | 0.2175  | 5.91E-31 | 134 |
| GCST90274822 | rs147291602 | A | G | 0.9805 | 0.9326  | 9.60E-84 | 376 |
| GCST90274822 | rs1476759   | A | G | 0.1923 | 0.2379  | 3.86E-58 | 258 |
| GCST90274822 | rs148395402 | C | G | 0.9819 | 0.4672  | 2.13E-12 | 49  |
| GCST90274822 | rs148699932 | C | G | 0.0069 | 0.7454  | 6.45E-11 | 43  |
| GCST90274822 | rs149019155 | A | G | 0.0123 | -0.3547 | 1.72E-09 | 36  |
| GCST90274822 | rs149220787 | A | G | 0.0089 | -1.1179 | 3.98E-35 | 153 |
| GCST90274822 | rs149559580 | A | G | 0.1759 | 0.1657  | 9.92E-24 | 101 |
| GCST90274822 | rs149781817 | A | G | 0.004  | -0.9717 | 6.19E-09 | 34  |
| GCST90274822 | rs150007987 | A | G | 0.015  | -0.3651 | 2.93E-12 | 49  |
| GCST90274822 | rs150442816 | A | G | 0.0071 | -0.5642 | 2.19E-09 | 36  |
| GCST90274822 | rs1019109   | A | G | 0.7727 | -0.1165 | 8.69E-17 | 69  |
| GCST90274822 | rs1019112   | A | G | 0.1754 | 0.1991  | 3.11E-38 | 167 |
| GCST90274822 | rs1019113   | T | C | 0.1764 | 0.1873  | 1.86E-34 | 150 |
| GCST90274822 | rs1024610   | A | T | 0.8107 | -0.2034 | 1.99E-42 | 186 |
| GCST90274822 | rs1024612   | A | G | 0.4074 | 0.1924  | 8.47E-59 | 261 |
| GCST90274822 | rs1024613   | A | G | 0.7671 | -0.0945 | 7.50E-12 | 47  |
| GCST90274822 | rs4471731   | A | G | 0.6163 | 0.1985  | 1.81E-62 | 278 |
| GCST90274822 | rs4514724   | T | C | 0.827  | -0.1799 | 1.58E-31 | 136 |
| GCST90274822 | rs159258    | T | C | 0.1571 | -0.1175 | 2.92E-13 | 53  |
| GCST90274822 | rs159259    | T | C | 0.8429 | 0.1177  | 2.66E-13 | 53  |
| GCST90274822 | rs159261    | T | C | 0.1574 | -0.1181 | 1.57E-13 | 54  |

|              |             |   |   |        |         |           |      |
|--------------|-------------|---|---|--------|---------|-----------|------|
| GCST90274822 | rs159262    | A | C | 0.1573 | -0.1199 | 6.69E-14  | 56   |
| GCST90274822 | rs159264    | A | G | 0.1572 | -0.1173 | 2.28E-13  | 54   |
| GCST90274822 | rs159265    | A | G | 0.8429 | 0.1181  | 1.57E-13  | 54   |
| GCST90274822 | rs12453746  | T | G | 0.2265 | 0.1068  | 8.11E-14  | 56   |
| GCST90274822 | rs12453915  | T | G | 0.1818 | -0.957  | 1.00E-200 | 4809 |
| GCST90274822 | rs12600380  | T | C | 0.1222 | -0.3131 | 3.65E-53  | 236  |
| GCST90274822 | rs12600717  | A | G | 0.0721 | 0.1617  | 1.61E-11  | 45   |
| GCST90274822 | rs12601179  | A | C | 0.6359 | 0.226   | 2.00E-80  | 361  |
| GCST90274822 | rs12601658  | A | T | 0.2361 | -0.1802 | 5.72E-39  | 171  |
| GCST90274822 | rs12602195  | A | G | 0.8231 | 0.96    | 1.00E-200 | 4839 |
| GCST90274822 | rs12602687  | A | G | 0.1167 | -1.027  | 1.00E-200 | 3524 |
| GCST90274822 | rs12602707  | T | G | 0.1153 | -1.0638 | 1.00E-200 | 3379 |
| GCST90274822 | rs12602722  | A | G | 0.1148 | -1.0381 | 1.00E-200 | 3559 |
| GCST90274822 | rs12602782  | T | C | 0.2098 | 0.373   | 5.79E-144 | 653  |
| GCST90274822 | rs12603353  | T | G | 0.0715 | 0.1627  | 1.47E-11  | 46   |
| GCST90274822 | rs12603444  | A | G | 0.1225 | -0.3141 | 1.71E-53  | 237  |
| GCST90274822 | rs12604063  | A | G | 0.1247 | -0.2048 | 2.69E-31  | 135  |
| GCST90274822 | rs12937455  | C | G | 0.1765 | 0.1021  | 7.86E-11  | 42   |
| GCST90274822 | rs12938546  | T | G | 0.9606 | 0.2103  | 5.52E-10  | 38   |
| GCST90274822 | rs12942107  | A | G | 0.3795 | 0.2315  | 1.36E-81  | 366  |
| GCST90274822 | rs12944577  | A | G | 0.3846 | -0.1986 | 1.57E-62  | 279  |
| GCST90274822 | rs12945749  | A | G | 0.3651 | -0.224  | 4.84E-79  | 354  |
| GCST90274822 | rs12946932  | T | C | 0.7712 | -0.0999 | 6.62E-13  | 52   |
| GCST90274822 | rs12950822  | T | C | 0.6901 | -0.0798 | 1.49E-09  | 37   |
| GCST90274822 | rs12952172  | T | G | 0.1221 | -0.3271 | 4.50E-47  | 208  |
| GCST90274822 | rs12953237  | T | C | 0.2409 | -0.1813 | 5.62E-40  | 175  |
| GCST90274822 | rs1367954   | T | C | 0.0718 | 0.1578  | 4.04E-11  | 44   |
| GCST90274822 | rs138345242 | A | T | 0.5998 | -0.1731 | 1.14E-41  | 183  |
| GCST90274822 | rs138372834 | A | G | 0.0838 | -0.389  | 3.36E-75  | 337  |
| GCST90274822 | rs151169844 | T | C | 0.0176 | 0.5055  | 2.45E-21  | 90   |
| GCST90274822 | rs151294458 | T | C | 0.0085 | -0.809  | 6.35E-27  | 115  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274822 | rs1558181   | A | T | 0.8274 | -0.1808 | 7.92E-32 | 138 |
| GCST90274822 | rs159247    | A | G | 0.7417 | 0.0951  | 1.86E-12 | 50  |
| GCST90274822 | rs159249    | A | G | 0.7409 | 0.0938  | 3.70E-12 | 48  |
| GCST90274822 | rs159255    | A | G | 0.1576 | -0.1169 | 3.85E-13 | 53  |
| GCST90274822 | rs159256    | A | G | 0.1575 | -0.1175 | 2.08E-13 | 54  |
| GCST90274822 | rs159257    | C | G | 0.8431 | 0.1178  | 2.54E-13 | 54  |
| GCST90274822 | rs141155334 | A | G | 0.0187 | -0.8813 | 6.57E-71 | 317 |
| GCST90274822 | rs141237544 | T | C | 0.1597 | 0.2636  | 4.86E-47 | 207 |
| GCST90274822 | rs141856292 | A | G | 0.1577 | 0.3024  | 6.65E-67 | 299 |
| GCST90274822 | rs142404428 | A | T | 0.0104 | -0.6131 | 4.25E-18 | 75  |
| GCST90274822 | rs142441770 | A | G | 0.9534 | 0.4263  | 4.98E-43 | 189 |
| GCST90274822 | rs142736147 | A | G | 0.1192 | 0.2087  | 2.39E-28 | 122 |
| GCST90274822 | rs142914083 | A | G | 0.0182 | -0.4914 | 2.05E-13 | 54  |
| GCST90274822 | rs142933264 | A | G | 0.031  | 0.5054  | 2.03E-08 | 31  |
| GCST90274822 | rs142993042 | T | C | 0.9883 | 0.3453  | 5.45E-09 | 34  |
| GCST90274822 | rs143153022 | A | G | 0.0072 | 0.6844  | 4.91E-10 | 39  |
| GCST90274822 | rs143312890 | A | G | 0.0078 | -0.7938 | 4.28E-24 | 103 |
| GCST90274822 | rs143613963 | T | C | 0.7712 | -0.0973 | 6.57E-11 | 43  |
| GCST90274822 | rs144101664 | T | C | 0.014  | -0.3694 | 1.45E-11 | 46  |
| GCST90274822 | rs144130668 | T | C | 0.9811 | 0.4896  | 2.55E-11 | 44  |
| GCST90274822 | rs144523625 | A | C | 0.9926 | 0.6251  | 5.60E-10 | 38  |
| GCST90274822 | rs144618566 | T | C | 0.0169 | 0.5171  | 7.15E-22 | 92  |
| GCST90274822 | rs9916162   | T | C | 0.2323 | 0.0881  | 2.64E-09 | 35  |
| GCST90274822 | rs212453    | A | G | 0.843  | 0.1178  | 2.54E-13 | 54  |
| GCST90274822 | rs212488    | A | G | 0.2722 | -0.1236 | 2.55E-17 | 72  |
| GCST90274822 | rs72827061  | C | G | 0.9549 | -0.2434 | 1.99E-16 | 68  |
| GCST90274822 | rs72827075  | A | G | 0.0785 | 0.1509  | 3.63E-11 | 44  |
| GCST90274822 | rs72827094  | A | C | 0.0442 | 0.1915  | 2.99E-10 | 40  |
| GCST90274822 | rs731971    | A | T | 0.1065 | -0.2625 | 2.05E-43 | 191 |
| GCST90274822 | rs73284280  | T | C | 0.0733 | -0.4351 | 3.86E-79 | 355 |
| GCST90274822 | rs73284292  | C | G | 0.0732 | -0.4406 | 8.54E-82 | 367 |

|              |             |   |   |        |         |           |      |
|--------------|-------------|---|---|--------|---------|-----------|------|
| GCST90274822 | rs73286266  | T | C | 0.0836 | -0.3578 | 1.70E-64  | 288  |
| GCST90274822 | rs73288017  | A | C | 0.9143 | 0.4     | 1.11E-78  | 353  |
| GCST90274822 | rs73288029  | A | G | 0.0795 | -0.3738 | 5.58E-62  | 276  |
| GCST90274822 | rs73288064  | A | T | 0.0779 | 0.3557  | 3.49E-52  | 231  |
| GCST90274822 | rs7350892   | A | G | 0.173  | 0.1797  | 1.84E-31  | 136  |
| GCST90274822 | rs7359592   | T | C | 0.6357 | 0.2243  | 3.01E-79  | 355  |
| GCST90274822 | rs740562    | T | C | 0.9109 | -0.1573 | 8.99E-14  | 56   |
| GCST90274822 | rs138613387 | T | C | 0.9741 | 0.6644  | 1.73E-22  | 95   |
| GCST90274822 | rs138744790 | T | G | 0.01   | -1.0541 | 3.34E-36  | 158  |
| GCST90274822 | rs138861531 | T | C | 0.9895 | 1.0363  | 2.28E-35  | 154  |
| GCST90274822 | rs139570558 | A | G | 0.0062 | -0.8833 | 2.30E-13  | 54   |
| GCST90274822 | rs140163684 | A | C | 0.0313 | 0.2171  | 1.11E-08  | 33   |
| GCST90274822 | rs140871301 | A | G | 0.0124 | -0.3394 | 3.81E-09  | 35   |
| GCST90274822 | rs140911392 | A | C | 0.0373 | 0.241   | 4.35E-12  | 48   |
| GCST90274822 | rs140976744 | T | C | 0.0176 | 0.5013  | 1.64E-20  | 86   |
| GCST90274822 | rs758293    | A | T | 0.1827 | 0.2365  | 1.38E-54  | 242  |
| GCST90274822 | rs758294    | C | G | 0.8246 | -0.1954 | 6.86E-37  | 161  |
| GCST90274822 | rs75861894  | T | C | 0.9623 | -0.2657 | 9.46E-15  | 60   |
| GCST90274822 | rs75960180  | C | G | 0.0513 | 0.1923  | 3.23E-12  | 49   |
| GCST90274822 | rs76136459  | T | C | 0.017  | 0.3728  | 1.39E-13  | 55   |
| GCST90274822 | rs76179653  | A | T | 0.8878 | -0.1613 | 4.24E-18  | 75   |
| GCST90274822 | rs76263310  | A | G | 0.0187 | 0.296   | 7.74E-11  | 42   |
| GCST90274822 | rs76326404  | T | C | 0.9913 | 0.8675  | 2.28E-08  | 31   |
| GCST90274822 | rs159268    | A | G | 0.7414 | 0.0901  | 1.77E-11  | 45   |
| GCST90274822 | rs159269    | A | G | 0.2583 | -0.0933 | 4.81E-12  | 48   |
| GCST90274822 | rs159293    | T | C | 0.7969 | 0.1572  | 1.09E-26  | 114  |
| GCST90274822 | rs159294    | A | T | 0.1323 | 0.1106  | 1.63E-10  | 41   |
| GCST90274822 | rs11658608  | A | G | 0.1852 | -0.9175 | 1.00E-200 | 4551 |
| GCST90274822 | rs11658661  | A | G | 0.0161 | -0.927  | 1.91E-55  | 246  |
| GCST90274822 | rs116604623 | A | G | 0.0048 | -1.3769 | 1.91E-13  | 54   |
| GCST90274822 | rs116959661 | T | C | 0.9665 | 0.5897  | 2.42E-63  | 282  |

|              |             |   |   |        |         |           |     |
|--------------|-------------|---|---|--------|---------|-----------|-----|
| GCST90274822 | rs117447156 | A | C | 0.0716 | 0.1599  | 2.23E-11  | 45  |
| GCST90274822 | rs117512510 | A | G | 0.9385 | 0.6568  | 1.35E-159 | 725 |
| GCST90274822 | rs117627996 | A | T | 0.9735 | 1.0711  | 1.47E-163 | 743 |
| GCST90274822 | rs3091327   | A | G | 0.9154 | 0.3838  | 1.28E-74  | 334 |
| GCST90274822 | rs3091328   | A | G | 0.6337 | 0.0966  | 1.42E-15  | 64  |
| GCST90274822 | rs3091329   | T | C | 0.9158 | 0.3893  | 5.19E-76  | 340 |
| GCST90274822 | rs3091330   | T | G | 0.3656 | -0.0944 | 6.11E-15  | 61  |
| GCST90274822 | rs3136674   | T | C | 0.9455 | -0.1803 | 1.45E-11  | 46  |
| GCST90274822 | rs3136675   | T | C | 0.0346 | -0.1891 | 9.05E-09  | 33  |
| GCST90274822 | rs3136676   | A | G | 0.9384 | -0.1624 | 1.62E-10  | 41  |
| GCST90274822 | rs3136679   | A | G | 0.0516 | 0.1862  | 5.34E-12  | 48  |
| GCST90274822 | rs16969377  | A | G | 0.0618 | -0.6566 | 1.68E-159 | 724 |
| GCST90274822 | rs16969403  | T | C | 0.0511 | -0.8175 | 1.00E-200 | 945 |
| GCST90274822 | rs16969406  | A | G | 0.1218 | -0.3075 | 7.82E-53  | 234 |
| GCST90274822 | rs16969415  | T | C | 0.0507 | -0.8227 | 1.00E-200 | 949 |
| GCST90274822 | rs16969443  | T | C | 0.9763 | -0.4966 | 5.38E-11  | 43  |
| GCST90274822 | rs740563    | A | G | 0.0835 | -0.3545 | 2.40E-63  | 282 |
| GCST90274822 | rs74483187  | A | G | 0.123  | -0.1963 | 1.40E-28  | 123 |
| GCST90274822 | rs74570285  | T | C | 0.8755 | 0.2051  | 4.76E-31  | 134 |
| GCST90274822 | rs74832623  | A | G | 0.968  | 0.5508  | 2.21E-50  | 223 |
| GCST90274822 | rs7502475   | T | C | 0.6181 | -0.2651 | 2.13E-106 | 480 |
| GCST90274822 | rs75161959  | T | C | 0.0201 | 0.3201  | 9.72E-12  | 46  |
| GCST90274822 | rs75478979  | A | C | 0.0441 | 0.2314  | 1.00E-14  | 60  |
| GCST90274822 | rs75598043  | A | G | 0.1709 | 0.1766  | 1.97E-26  | 113 |
| GCST90274822 | rs17542175  | T | C | 0.9294 | 0.4713  | 3.23E-90  | 406 |
| GCST90274822 | rs17542274  | A | G | 0.1657 | 0.2937  | 3.97E-77  | 346 |
| GCST90274822 | rs17652000  | A | C | 0.2312 | 0.0977  | 2.08E-12  | 49  |
| GCST90274822 | rs17652139  | A | C | 0.2306 | 0.0987  | 1.24E-12  | 50  |
| GCST90274822 | rs17652343  | A | G | 0.7734 | -0.1149 | 2.27E-16  | 67  |
| GCST90274822 | rs17653433  | T | C | 0.9675 | 0.1999  | 5.61E-09  | 34  |
| GCST90274822 | rs17661219  | C | G | 0.2977 | -0.0746 | 2.59E-08  | 31  |

|              |             |   |   |        |         |           |      |
|--------------|-------------|---|---|--------|---------|-----------|------|
| GCST90274822 | rs17735770  | T | C | 0.9514 | -0.2131 | 2.39E-12  | 49   |
| GCST90274822 | rs17784068  | T | C | 0.9447 | -0.1915 | 2.31E-12  | 49   |
| GCST90274822 | rs17809115  | T | C | 0.1514 | 0.3045  | 9.55E-72  | 321  |
| GCST90274822 | rs180781673 | A | G | 0.9865 | 0.957   | 8.83E-59  | 261  |
| GCST90274822 | rs1821140   | T | C | 0.1798 | -0.9619 | 1.00E-200 | 5002 |
| GCST90274822 | rs8081356   | T | C | 0.5826 | -0.1736 | 3.34E-48  | 213  |
| GCST90274822 | rs8081376   | T | G | 0.1147 | -1.0443 | 1.00E-200 | 3602 |
| GCST90274822 | rs8082450   | T | C | 0.8248 | -0.1801 | 5.49E-32  | 139  |
| GCST90274822 | rs8082480   | A | C | 0.1167 | -1.0349 | 1.00E-200 | 3579 |
| GCST90274822 | rs81036     | A | G | 0.1874 | -0.9184 | 1.00E-200 | 4429 |
| GCST90274822 | rs8182345   | A | G | 0.6211 | -0.2666 | 1.39E-107 | 485  |
| GCST90274822 | rs863006    | A | G | 0.537  | -0.0812 | 3.92E-12  | 48   |
| GCST90274822 | rs881323    | T | C | 0.0492 | -0.216  | 4.01E-15  | 62   |
| GCST90274822 | rs881324    | A | G | 0.9656 | 0.1982  | 2.37E-09  | 36   |
| GCST90274822 | rs885691    | T | C | 0.1825 | 0.2368  | 4.95E-54  | 240  |
| GCST90274822 | rs887071    | A | G | 0.8238 | 0.3689  | 7.21E-107 | 482  |
| GCST90274822 | rs887072    | T | C | 0.3609 | -0.2147 | 9.12E-73  | 326  |
| GCST90274822 | rs887073    | A | G | 0.8246 | 0.3683  | 2.71E-105 | 475  |
| GCST90274822 | rs887074    | A | G | 0.6351 | 0.2258  | 2.76E-80  | 360  |
| GCST90274822 | rs887230    | T | C | 0.8467 | 0.0962  | 2.88E-09  | 35   |
| GCST90274822 | rs9674950   | T | C | 0.9197 | 0.3841  | 4.52E-59  | 263  |
| GCST90274822 | rs9747714   | C | G | 0.1819 | 0.214   | 7.70E-40  | 175  |
| GCST90274822 | rs9889846   | T | G | 0.1727 | 0.18    | 1.46E-31  | 137  |
| GCST90274822 | rs9891243   | T | G | 0.7686 | -0.097  | 2.08E-12  | 49   |
| GCST90274822 | rs9893808   | T | C | 0.2044 | -0.3249 | 1.01E-112 | 509  |
| GCST90274822 | rs9894471   | T | C | 0.629  | 0.532   | 1.00E-200 | 2103 |
| GCST90274822 | rs9894951   | A | G | 0.7358 | -0.3171 | 7.70E-102 | 459  |
| GCST90274822 | rs9895412   | A | G | 0.7279 | -0.3265 | 2.33E-127 | 576  |
| GCST90274822 | rs9896056   | C | G | 0.9252 | 0.153   | 1.29E-10  | 41   |
| GCST90274822 | rs9896676   | T | C | 0.1723 | 0.1794  | 2.31E-31  | 136  |
| GCST90274822 | rs9897821   | C | G | 0.8298 | -0.2171 | 1.42E-44  | 196  |

|              |             |   |   |        |         |           |      |
|--------------|-------------|---|---|--------|---------|-----------|------|
| GCST90274822 | rs9902605   | A | G | 0.9163 | 0.3532  | 6.77E-63  | 280  |
| GCST90274822 | rs9903934   | T | C | 0.2325 | 0.0959  | 3.67E-12  | 48   |
| GCST90274822 | rs9906695   | T | C | 0.2299 | 0.1004  | 5.08E-13  | 52   |
| GCST90274822 | rs9906713   | A | T | 0.8237 | -0.1919 | 4.37E-36  | 157  |
| GCST90274822 | rs9907136   | T | C | 0.6416 | 0.1269  | 5.90E-25  | 106  |
| GCST90274822 | rs9909184   | A | T | 0.8226 | -0.1049 | 1.31E-11  | 46   |
| GCST90274822 | rs9909465   | T | C | 0.2303 | 0.1002  | 5.65E-13  | 52   |
| GCST90274822 | rs9909605   | A | T | 0.8229 | -0.0996 | 1.31E-10  | 41   |
| GCST90274822 | rs9909870   | A | G | 0.8278 | -0.1803 | 1.16E-31  | 137  |
| GCST90274822 | rs9910730   | C | G | 0.5937 | -0.1432 | 6.84E-34  | 147  |
| GCST90274822 | rs9911144   | T | C | 0.7671 | -0.0959 | 3.67E-12  | 48   |
| GCST90274822 | rs9911315   | T | C | 0.1777 | 0.1     | 1.11E-10  | 42   |
| GCST90274822 | rs9911713   | A | G | 0.1957 | 0.1127  | 3.92E-14  | 57   |
| GCST90274822 | rs9913364   | C | G | 0.8044 | -0.1142 | 1.80E-14  | 59   |
| GCST90274822 | rs9914367   | T | C | 0.3701 | -0.5309 | 1.00E-200 | 2095 |
| GCST90274822 | rs9914762   | T | G | 0.3459 | 0.1895  | 1.00E-52  | 234  |
| GCST90274822 | rs9915488   | A | G | 0.2308 | 0.1036  | 9.11E-14  | 56   |
| GCST90274822 | rs9915650   | A | G | 0.6298 | 0.5314  | 1.00E-200 | 2099 |
| GCST90274822 | rs9915877   | A | T | 0.6301 | 0.5307  | 1.00E-200 | 2093 |
| GCST90274822 | rs72827032  | A | C | 0.0588 | 0.1846  | 1.15E-11  | 46   |
| GCST90274822 | rs72827040  | T | G | 0.0718 | 0.1622  | 1.69E-11  | 45   |
| GCST90274822 | rs72827046  | A | G | 0.8879 | -0.1619 | 3.20E-18  | 76   |
| GCST90274822 | rs159316    | T | G | 0.0542 | 0.1848  | 2.12E-12  | 49   |
| GCST90274822 | rs117649509 | T | C | 0.0285 | 0.2553  | 1.14E-10  | 42   |
| GCST90274822 | rs117670214 | T | C | 0.9851 | 0.59    | 9.58E-17  | 69   |
| GCST90274822 | rs117736905 | A | T | 0.0139 | 0.4278  | 1.19E-12  | 50   |
| GCST90274822 | rs117814539 | T | C | 0.0487 | -0.7737 | 2.01E-163 | 742  |
| GCST90274822 | rs117940142 | A | C | 0.928  | 0.4745  | 2.02E-91  | 411  |
| GCST90274822 | rs117993540 | T | C | 0.9873 | -0.4061 | 6.00E-10  | 38   |
| GCST90274822 | rs118012174 | T | C | 0.8854 | 1.0384  | 1.00E-200 | 3561 |
| GCST90274822 | rs118110367 | A | G | 0.0352 | -0.1968 | 3.42E-09  | 35   |

|              |            |   |   |        |         |           |      |
|--------------|------------|---|---|--------|---------|-----------|------|
| GCST90274822 | rs3136680  | A | T | 0.0516 | 0.1873  | 4.00E-12  | 48   |
| GCST90274822 | rs3138032  | A | G | 0.0854 | 0.1385  | 2.38E-09  | 36   |
| GCST90274822 | rs3138034  | T | C | 0.2251 | 0.1094  | 2.00E-14  | 59   |
| GCST90274822 | rs3138035  | T | C | 0.3697 | 0.2429  | 1.24E-89  | 403  |
| GCST90274822 | rs3138036  | A | G | 0.834  | 1.0417  | 1.00E-200 | 5616 |
| GCST90274822 | rs3138037  | T | C | 0.8364 | 1.052   | 1.00E-200 | 5728 |
| GCST90274822 | rs3138039  | T | C | 0.8623 | -0.2214 | 2.74E-36  | 158  |
| GCST90274822 | rs3138040  | A | G | 0.819  | 0.9586  | 1.00E-200 | 4968 |
| GCST90274822 | rs3138041  | A | C | 0.8201 | 0.9609  | 1.00E-200 | 4992 |
| GCST90274822 | rs34027279 | C | G | 0.0397 | -0.1754 | 2.10E-08  | 31   |
| GCST90274822 | rs34133811 | A | G | 0.5337 | -0.1648 | 6.41E-43  | 189  |
| GCST90274822 | rs34202026 | A | T | 0.9715 | 0.6652  | 6.89E-72  | 321  |
| GCST90274822 | rs34792157 | A | G | 0.2175 | 0.1383  | 7.68E-22  | 92   |
| GCST90274822 | rs35065494 | C | G | 0.3002 | 0.0918  | 5.12E-12  | 48   |
| GCST90274822 | rs35490644 | T | G | 0.9443 | -0.2337 | 1.93E-17  | 72   |
| GCST90274822 | rs35496902 | A | C | 0.1802 | 0.0961  | 1.18E-09  | 37   |
| GCST90274822 | rs35596435 | A | G | 0.174  | -0.0922 | 5.36E-09  | 34   |
| GCST90274822 | rs35663022 | A | G | 0.18   | 0.1089  | 4.02E-12  | 48   |
| GCST90274822 | rs35765946 | T | C | 0.3034 | 0.0874  | 4.98E-11  | 43   |
| GCST90274822 | rs36016835 | T | C | 0.0848 | -0.3997 | 5.03E-80  | 359  |
| GCST90274822 | rs76369023 | A | G | 0.0867 | 0.1627  | 2.90E-14  | 58   |
| GCST90274822 | rs76484841 | T | C | 0.9294 | 0.4737  | 2.32E-90  | 406  |
| GCST90274822 | rs76727125 | A | G | 0.9507 | -0.1896 | 4.46E-10  | 39   |
| GCST90274822 | rs76764329 | T | C | 0.9864 | 0.608   | 4.64E-25  | 107  |
| GCST90274822 | rs76870972 | T | C | 0.014  | 0.3823  | 8.44E-10  | 38   |
| GCST90274822 | rs159298   | A | C | 0.868  | -0.1116 | 1.11E-10  | 42   |
| GCST90274822 | rs159310   | T | C | 0.1573 | -0.12   | 9.10E-14  | 56   |
| GCST90274822 | rs159311   | T | C | 0.1568 | -0.1199 | 9.53E-14  | 55   |
| GCST90274822 | rs159312   | A | G | 0.8433 | 0.1187  | 1.67E-13  | 54   |
| GCST90274822 | rs159314   | A | G | 0.0563 | 0.1818  | 2.23E-12  | 49   |
| GCST90274822 | rs159315   | A | C | 0.9431 | -0.172  | 2.19E-11  | 45   |

|              |            |   |   |        |         |           |      |
|--------------|------------|---|---|--------|---------|-----------|------|
| GCST90274822 | rs3848465  | A | G | 0.885  | 1.0408  | 1.00E-200 | 3578 |
| GCST90274822 | rs3848466  | A | G | 0.885  | 1.0369  | 1.00E-200 | 3551 |
| GCST90274822 | rs3890641  | T | C | 0.1151 | -1.0337 | 1.00E-200 | 3529 |
| GCST90274822 | rs3917878  | T | C | 0.0849 | -0.3603 | 1.35E-66  | 297  |
| GCST90274822 | rs3917900  | A | G | 0.6397 | -0.1494 | 5.05E-35  | 152  |
| GCST90274822 | rs3917902  | T | G | 0.0522 | -0.8208 | 3.11E-190 | 865  |
| GCST90274822 | rs3917903  | C | G | 0.0523 | -0.8133 | 8.22E-187 | 850  |
| GCST90274822 | rs408121   | A | G | 0.3647 | 0.2641  | 1.51E-97  | 439  |
| GCST90274822 | rs4100073  | A | G | 0.1149 | -1.0378 | 1.00E-200 | 3557 |
| GCST90274822 | rs41274294 | T | C | 0.9682 | 0.8816  | 2.19E-135 | 613  |
| GCST90274822 | rs41338755 | A | G | 0.0442 | 0.228   | 2.96E-14  | 58   |
| GCST90274822 | rs41410552 | A | G | 0.1183 | -1.0369 | 1.00E-200 | 3677 |
| GCST90274822 | rs41416652 | T | C | 0.9498 | -0.4199 | 8.74E-41  | 179  |
| GCST90274822 | rs41509752 | A | G | 0.0842 | -0.3931 | 9.38E-77  | 344  |
| GCST90274822 | rs41527847 | T | C | 0.0899 | 0.1585  | 4.43E-14  | 57   |
| GCST90274822 | rs4239247  | T | C | 0.8163 | 0.9197  | 1.00E-200 | 4442 |
| GCST90274822 | rs424942   | T | C | 0.183  | -0.9272 | 1.00E-200 | 4386 |
| GCST90274822 | rs4262996  | T | C | 0.557  | -0.3072 | 2.05E-149 | 678  |
| GCST90274822 | rs4299196  | T | C | 0.172  | 0.1797  | 1.84E-31  | 136  |
| GCST90274822 | rs4340374  | A | G | 0.8237 | -0.1937 | 9.83E-37  | 160  |
| GCST90274822 | rs442319   | A | G | 0.8143 | 0.9127  | 1.00E-200 | 4374 |
| GCST90274822 | rs4451998  | A | T | 0.621  | -0.2664 | 2.00E-107 | 485  |
| GCST90274822 | rs72825065 | A | G | 0.949  | 0.8177  | 1.00E-200 | 945  |
| GCST90274822 | rs72825068 | T | C | 0.8454 | -0.2964 | 1.09E-75  | 339  |
| GCST90274822 | rs72825072 | A | C | 0.1542 | 0.3     | 1.72E-77  | 347  |
| GCST90274822 | rs72825075 | T | C | 0.0971 | 0.192   | 1.35E-19  | 82   |
| GCST90274822 | rs72825077 | A | G | 0.051  | -0.8348 | 1.00E-200 | 970  |
| GCST90274822 | rs72825084 | T | C | 0.1153 | -1.0352 | 1.00E-200 | 3540 |
| GCST90274822 | rs72825091 | A | G | 0.9932 | 0.9556  | 1.81E-13  | 54   |
| GCST90274822 | rs36231836 | T | C | 0.9935 | 1.1437  | 2.69E-26  | 113  |
| GCST90274822 | rs365654   | A | G | 0.1622 | -0.7078 | 1.00E-200 | 2059 |

|              |             |   |   |        |         |           |      |
|--------------|-------------|---|---|--------|---------|-----------|------|
| GCST90274822 | rs366969    | T | C | 0.3683 | 0.2642  | 3.71E-99  | 447  |
| GCST90274822 | rs370445810 | A | G | 0.9949 | 1.6666  | 1.13E-33  | 146  |
| GCST90274822 | rs371034    | T | C | 0.1843 | -0.9231 | 1.00E-200 | 4410 |
| GCST90274822 | rs3744511   | T | C | 0.858  | -0.1273 | 2.02E-12  | 49   |
| GCST90274822 | rs3760396   | C | G | 0.2243 | 0.1131  | 6.55E-16  | 65   |
| GCST90274822 | rs3760399   | A | G | 0.9495 | 0.8239  | 1.00E-200 | 938  |
| GCST90274822 | rs3785907   | T | C | 0.8476 | 0.1814  | 3.53E-27  | 117  |
| GCST90274822 | rs3815341   | A | G | 0.0508 | -0.83   | 1.00E-200 | 959  |
| GCST90274822 | rs3848464   | A | G | 0.1163 | -1.0325 | 1.00E-200 | 3562 |
| GCST90274822 | rs78082508  | T | C | 0.0704 | -0.4745 | 1.16E-90  | 408  |
| GCST90274822 | rs78115470  | C | G | 0.9622 | -0.304  | 6.17E-19  | 79   |
| GCST90274822 | rs1594541   | T | C | 0.8026 | -0.1067 | 5.62E-13  | 52   |
| GCST90274822 | rs1594542   | A | T | 0.3723 | -0.5286 | 1.00E-200 | 2077 |
| GCST90274822 | rs1619833   | T | C | 0.2602 | -0.0926 | 4.83E-12  | 48   |
| GCST90274822 | rs1657567   | A | G | 0.259  | -0.0933 | 4.81E-12  | 48   |
| GCST90274822 | rs167170    | A | G | 0.843  | 0.1189  | 1.52E-13  | 55   |
| GCST90274822 | rs16969360  | A | C | 0.8239 | 0.3685  | 1.22E-106 | 481  |
| GCST90274822 | rs16969373  | T | C | 0.8862 | 0.2569  | 2.29E-35  | 154  |
| GCST90274822 | rs16969376  | A | G | 0.0623 | -0.6579 | 1.99E-161 | 733  |
| GCST90274822 | rs118181103 | A | T | 0.0347 | -0.7113 | 6.57E-105 | 473  |
| GCST90274822 | rs11867200  | T | C | 0.2261 | 0.104   | 1.10E-13  | 55   |
| GCST90274822 | rs11868941  | T | C | 0.2315 | 0.0926  | 2.70E-11  | 44   |
| GCST90274822 | rs12075     | A | G | 0.5553 | -0.0973 | 4.95E-17  | 70   |
| GCST90274822 | rs12150027  | A | G | 0.1838 | -0.9164 | 1.00E-200 | 4474 |
| GCST90274822 | rs12150657  | A | G | 0.8972 | 0.2267  | 7.39E-32  | 138  |
| GCST90274822 | rs12325715  | A | G | 0.9826 | -0.3972 | 5.33E-15  | 61   |
| GCST90274822 | rs1233651   | T | C | 0.8176 | -0.2357 | 3.13E-54  | 240  |
| GCST90274822 | rs1233652   | A | G | 0.9149 | 0.437   | 5.17E-91  | 409  |
| GCST90274822 | rs1233653   | T | C | 0.9122 | 0.4269  | 2.36E-89  | 402  |
| GCST90274822 | rs12386047  | T | G | 0.1762 | 0.0962  | 5.42E-10  | 39   |
| GCST90274822 | rs12449308  | A | G | 0.8846 | 1.0364  | 1.00E-200 | 3548 |

|              |            |   |   |        |         |           |      |
|--------------|------------|---|---|--------|---------|-----------|------|
| GCST90274822 | rs12449363 | A | G | 0.3645 | -0.2254 | 5.22E-80  | 359  |
| GCST90274822 | rs12449657 | A | G | 0.115  | -1.0358 | 1.00E-200 | 3544 |
| GCST90274822 | rs12450497 | A | G | 0.819  | 0.9579  | 1.00E-200 | 4961 |
| GCST90274822 | rs12451323 | T | C | 0.8839 | 1.0249  | 1.00E-200 | 3469 |
| GCST90274822 | rs12451826 | T | G | 0.1836 | -0.9187 | 1.00E-200 | 4497 |
| GCST90274822 | rs12452741 | A | T | 0.1149 | -1.0354 | 1.00E-200 | 3541 |
| GCST90274822 | rs12452818 | A | G | 0.3669 | -0.2219 | 2.41E-76  | 342  |
| GCST90274822 | rs72825097 | T | C | 0.18   | -0.9594 | 1.00E-200 | 4976 |
| GCST90274822 | rs72825100 | A | G | 0.9887 | 1.0282  | 3.65E-33  | 144  |
| GCST90274822 | rs72825101 | A | G | 0.1838 | -0.9193 | 1.00E-200 | 4503 |
| GCST90274822 | rs72827003 | A | G | 0.1845 | -0.9147 | 1.00E-200 | 4524 |
| GCST90274822 | rs72827004 | C | G | 0.0456 | 0.2617  | 1.51E-16  | 68   |
| GCST90274822 | rs72827007 | A | G | 0.1838 | -0.9249 | 1.00E-200 | 4492 |
| GCST90274822 | rs72827014 | A | G | 0.9471 | -0.1816 | 2.89E-11  | 44   |
| GCST90274822 | rs72827015 | A | C | 0.9484 | -0.1891 | 6.14E-12  | 47   |
| GCST90274822 | rs72827017 | T | C | 0.9474 | -0.1778 | 5.35E-11  | 43   |
| GCST90274822 | rs77770153 | A | G | 0.0636 | 0.2552  | 4.32E-20  | 84   |
| GCST90274822 | rs77786372 | A | G | 0.9223 | -0.3508 | 8.35E-51  | 225  |
| GCST90274822 | rs7217882  | T | C | 0.7701 | -0.0875 | 4.29E-09  | 34   |
| GCST90274822 | rs7218116  | T | G | 0.1493 | -0.1864 | 2.76E-20  | 85   |
| GCST90274822 | rs7218441  | C | G | 0.9494 | 0.8171  | 1.00E-200 | 937  |
| GCST90274822 | rs7218501  | T | C | 0.1646 | -0.2512 | 3.15E-54  | 240  |
| GCST90274822 | rs7222139  | C | G | 0.1465 | -0.0937 | 2.95E-08  | 31   |
| GCST90274822 | rs7223229  | A | C | 0.4209 | 0.1516  | 5.19E-36  | 157  |
| GCST90274822 | rs7223422  | T | C | 0.084  | -0.3553 | 3.26E-64  | 286  |
| GCST90274822 | rs7223451  | T | C | 0.0838 | -0.3553 | 3.26E-64  | 286  |
| GCST90274822 | rs7224013  | A | G | 0.0843 | -0.3782 | 3.48E-71  | 318  |
| GCST90274822 | rs7225823  | A | G | 0.3371 | 0.2719  | 3.89E-100 | 451  |
| GCST90274822 | rs72817875 | T | C | 0.0181 | -0.5528 | 9.60E-11  | 42   |
| GCST90274822 | rs72825006 | C | G | 0.9821 | -0.3462 | 4.39E-12  | 48   |
| GCST90274822 | rs72825010 | A | G | 0.0566 | -0.6825 | 1.36E-156 | 711  |

|              |            |   |   |        |         |           |      |
|--------------|------------|---|---|--------|---------|-----------|------|
| GCST90274822 | rs72825017 | T | G | 0.0594 | -0.6495 | 1.22E-147 | 670  |
| GCST90274822 | rs72825023 | T | G | 0.1756 | -0.3683 | 2.71E-105 | 475  |
| GCST90274822 | rs72825029 | C | G | 0.0623 | -0.6515 | 2.42E-158 | 719  |
| GCST90274822 | rs72825033 | A | G | 0.0617 | -0.6521 | 1.25E-158 | 720  |
| GCST90274822 | rs72825034 | T | C | 0.0619 | -0.6524 | 8.96E-159 | 721  |
| GCST90274822 | rs72825036 | T | C | 0.0615 | -0.6575 | 6.23E-160 | 726  |
| GCST90274822 | rs72825039 | T | C | 0.0621 | -0.6553 | 3.60E-160 | 727  |
| GCST90274822 | rs72825043 | A | G | 0.1616 | 0.2298  | 2.41E-47  | 209  |
| GCST90274822 | rs72825048 | A | G | 0.0508 | -0.812  | 1.00E-200 | 918  |
| GCST90274822 | rs72825060 | A | G | 0.051  | -0.8161 | 1.00E-200 | 934  |
| GCST90274822 | rs16969871 | T | C | 0.077  | -0.1529 | 8.74E-12  | 47   |
| GCST90274822 | rs8070150  | A | G | 0.0172 | 0.3991  | 5.06E-15  | 61   |
| GCST90274822 | rs8072865  | T | C | 0.82   | 0.9615  | 1.00E-200 | 4998 |
| GCST90274822 | rs8073784  | A | G | 0.8756 | 0.3153  | 6.33E-55  | 244  |
| GCST90274822 | rs8074891  | T | C | 0.0772 | -0.4367 | 2.16E-85  | 383  |
| GCST90274822 | rs8075337  | T | C | 0.5766 | 0.1451  | 3.38E-34  | 149  |
| GCST90274822 | rs12453018 | C | G | 0.6344 | 0.2191  | 1.06E-75  | 339  |
| GCST90274822 | rs12453516 | A | G | 0.0385 | -0.597  | 4.19E-81  | 364  |
| GCST90274822 | rs12453553 | T | C | 0.1814 | 0.211   | 1.36E-36  | 160  |
| GCST90274822 | rs12453585 | T | C | 0.8198 | 0.9588  | 1.00E-200 | 4970 |
| GCST90274822 | rs7210639  | T | C | 0.8128 | -0.1946 | 1.73E-38  | 168  |
| GCST90274822 | rs7211575  | A | G | 0.107  | -0.2627 | 1.77E-43  | 191  |
| GCST90274822 | rs7213556  | A | C | 0.813  | -0.1971 | 6.03E-40  | 175  |
| GCST90274822 | rs77198702 | A | C | 0.0704 | -0.4766 | 3.25E-92  | 415  |
| GCST90274822 | rs77349986 | A | G | 0.3759 | 0.2645  | 3.15E-104 | 470  |
| GCST90274822 | rs7216532  | A | G | 0.2294 | 0.1013  | 3.15E-13  | 53   |
| GCST90274822 | rs7216682  | A | G | 0.0729 | -0.4326 | 6.41E-79  | 354  |
| GCST90274822 | rs80219280 | T | G | 0.0365 | -0.904  | 2.00E-173 | 788  |
| GCST90274822 | rs8065802  | A | T | 0.0734 | -0.4313 | 3.97E-79  | 355  |
| GCST90274822 | rs8066047  | A | G | 0.073  | -0.4395 | 2.14E-81  | 365  |
| GCST90274822 | rs78188167 | A | G | 0.0516 | 0.1947  | 1.73E-12  | 50   |

|              |             |   |   |        |         |           |      |
|--------------|-------------|---|---|--------|---------|-----------|------|
| GCST90274822 | rs78218183  | A | G | 0.9268 | 0.4392  | 2.74E-81  | 365  |
| GCST90274822 | rs56389898  | A | T | 0.7751 | -0.1143 | 3.23E-16  | 67   |
| GCST90274822 | rs56859429  | T | G | 0.0634 | -0.6477 | 4.25E-159 | 722  |
| GCST90274822 | rs57097876  | A | G | 0.0715 | 0.1642  | 9.54E-12  | 46   |
| GCST90274822 | rs57174546  | A | G | 0.8766 | 0.1959  | 1.80E-28  | 122  |
| GCST90274822 | rs577148340 | A | C | 0.0084 | -0.7634 | 1.13E-22  | 96   |
| GCST90274822 | rs577634313 | T | G | 0.9949 | 0.9247  | 1.87E-18  | 77   |
| GCST90274822 | rs79854643  | T | C | 0.012  | 0.3972  | 1.49E-10  | 41   |
| GCST90274822 | rs79928784  | T | G | 0.8776 | 0.3107  | 2.22E-52  | 232  |
| GCST90274822 | rs6505400   | A | G | 0.3868 | -0.1947 | 3.61E-60  | 268  |
| GCST90274822 | rs6505401   | T | C | 0.4448 | 0.1654  | 1.23E-44  | 196  |
| GCST90274822 | rs6505402   | A | G | 0.3639 | -0.0705 | 5.66E-09  | 34   |
| GCST90274822 | rs16969449  | T | G | 0.8851 | 1.0367  | 1.00E-200 | 3550 |
| GCST90274822 | rs16969454  | T | C | 0.7915 | -0.3785 | 3.51E-148 | 672  |
| GCST90274822 | rs16969457  | A | T | 0.8835 | 1.0277  | 1.00E-200 | 3529 |
| GCST90274822 | rs16969538  | A | G | 0.058  | 0.1825  | 1.24E-12  | 50   |
| GCST90274822 | rs16969574  | A | T | 0.0484 | -0.2174 | 4.21E-15  | 62   |
| GCST90274822 | rs16969619  | A | G | 0.9282 | -0.158  | 3.82E-11  | 44   |
| GCST90274822 | rs16969807  | A | G | 0.8269 | 0.0912  | 7.83E-09  | 33   |
| GCST90274822 | rs62056379  | A | C | 0.1859 | 0.2363  | 1.77E-52  | 232  |
| GCST90274822 | rs62056381  | T | C | 0.1908 | 0.2431  | 3.90E-56  | 249  |
| GCST90274822 | rs62062335  | A | G | 0.6877 | -0.0769 | 7.38E-09  | 33   |
| GCST90274822 | rs57826245  | A | G | 0.8767 | 0.1958  | 1.91E-28  | 122  |
| GCST90274822 | rs57910436  | T | C | 0.9263 | 0.4419  | 2.88E-82  | 369  |
| GCST90274822 | rs59061740  | T | C | 0.938  | 0.654   | 2.96E-158 | 718  |
| GCST90274822 | rs8079244   | C | G | 0.0821 | -0.3774 | 2.33E-68  | 305  |
| GCST90274822 | rs8080192   | T | C | 0.0809 | -0.3882 | 2.64E-70  | 314  |
| GCST90274822 | rs8080323   | A | C | 0.0823 | -0.3776 | 1.98E-68  | 306  |
| GCST90274822 | rs8080487   | A | T | 0.9271 | 0.4328  | 5.44E-79  | 354  |
| GCST90274822 | rs8080496   | A | G | 0.0834 | -0.3549 | 1.74E-63  | 283  |
| GCST90274822 | rs8080790   | A | G | 0.9148 | 0.3841  | 4.92E-72  | 322  |

|              |            |   |   |        |         |           |      |
|--------------|------------|---|---|--------|---------|-----------|------|
| GCST90274822 | rs8081032  | A | G | 0.0905 | -0.315  | 6.13E-50  | 221  |
| GCST90274822 | rs7214171  | A | G | 0.9164 | 0.3568  | 3.80E-64  | 286  |
| GCST90274822 | rs7215001  | T | C | 0.233  | 0.1025  | 1.65E-13  | 54   |
| GCST90274822 | rs79616298 | T | C | 0.882  | -0.2949 | 6.36E-40  | 175  |
| GCST90274822 | rs8068622  | A | G | 0.1725 | 0.1685  | 6.06E-22  | 93   |
| GCST90274822 | rs8069624  | T | C | 0.6169 | 0.1046  | 1.83E-17  | 72   |
| GCST90274822 | rs79741883 | T | C | 0.0078 | -0.8624 | 1.70E-08  | 32   |
| GCST90274822 | rs59217866 | A | G | 0.929  | -0.1622 | 1.69E-11  | 45   |
| GCST90274822 | rs60274937 | C | G | 0.0767 | -0.4399 | 1.28E-86  | 389  |
| GCST90274822 | rs61578494 | C | G | 0.0675 | -0.592  | 1.04E-137 | 624  |
| GCST90274822 | rs62054927 | A | G | 0.2282 | 0.1001  | 1.39E-10  | 41   |
| GCST90274822 | rs78233997 | T | C | 0.922  | 0.1484  | 3.47E-11  | 44   |
| GCST90274822 | rs78315983 | C | G | 0.1852 | -0.9201 | 1.00E-200 | 4445 |
| GCST90274822 | rs78755813 | T | C | 0.0279 | 0.2528  | 8.48E-09  | 33   |
| GCST90274822 | rs79182177 | T | G | 0.0337 | -0.5736 | 1.83E-57  | 255  |
| GCST90274822 | rs79477626 | A | C | 0.0114 | -0.7661 | 3.23E-33  | 144  |
| GCST90274822 | rs8068314  | A | T | 0.9164 | 0.3572  | 2.75E-64  | 287  |
| GCST90274822 | rs6505403  | T | C | 0.8181 | -0.2214 | 1.12E-48  | 215  |
| GCST90274822 | rs66536365 | T | C | 0.0663 | -0.6537 | 4.12E-158 | 718  |
| GCST90274822 | rs67586205 | A | G | 0.2309 | 0.0988  | 1.18E-12  | 51   |
| GCST90274822 | rs62054929 | A | G | 0.0295 | 0.2635  | 1.60E-10  | 41   |
| GCST90274822 | rs62054939 | T | C | 0.8165 | -0.2337 | 9.96E-55  | 243  |
| GCST90274822 | rs62056376 | A | C | 0.1382 | 0.2184  | 1.32E-34  | 151  |
| GCST90274822 | rs62056378 | A | G | 0.1844 | 0.2358  | 2.90E-52  | 231  |
| GCST90274822 | rs8068122  | T | C | 0.1789 | -0.9618 | 1.00E-200 | 4929 |
| GCST90274822 | rs71379473 | T | C | 0.1975 | 0.0994  | 3.43E-11  | 44   |
| GCST90274822 | rs7207653  | A | C | 0.0706 | -0.4747 | 1.70E-91  | 412  |
| GCST90274822 | rs7208715  | T | C | 0.9166 | 0.3559  | 7.83E-64  | 285  |
| GCST90274822 | rs7210176  | A | G | 0.1839 | 0.2227  | 7.31E-50  | 220  |
| GCST90274822 | rs8081047  | T | C | 0.9492 | 0.8196  | 1.00E-200 | 942  |
| GCST90274822 | rs8066978  | T | G | 0.1789 | -0.9628 | 1.00E-200 | 4939 |

|              |            |   |   |        |         |           |     |
|--------------|------------|---|---|--------|---------|-----------|-----|
| GCST90274822 | rs8066215  | T | C | 0.1748 | 0.1812  | 5.83E-32  | 138 |
| GCST90274822 | rs8066660  | A | G | 0.2793 | 0.3122  | 2.54E-118 | 535 |
| GCST90274822 | rs8066789  | T | C | 0.3749 | 0.2647  | 2.20E-104 | 471 |
| GCST90274824 | rs9829060  | A | G | 0.6925 | 0.1218  | 1.96E-22  | 95  |
| GCST90274824 | rs8080192  | T | C | 0.0806 | 0.1883  | 5.74E-18  | 75  |
| GCST90274824 | rs8080323  | A | C | 0.0819 | 0.1828  | 2.61E-17  | 72  |
| GCST90274824 | rs8080487  | A | T | 0.9273 | -0.1269 | 4.50E-08  | 30  |
| GCST90274824 | rs9840290  | A | G | 0.6147 | 0.1158  | 9.60E-19  | 78  |
| GCST90274824 | rs12048482 | A | G | 0.3666 | -0.0795 | 3.47E-11  | 44  |
| GCST90274824 | rs8082450  | T | C | 0.8251 | 0.148   | 2.10E-22  | 95  |
| GCST90274824 | rs9815043  | A | G | 0.635  | 0.1249  | 2.27E-25  | 108 |
| GCST90274824 | rs12118628 | A | G | 0.1222 | -0.1252 | 1.51E-12  | 50  |
| GCST90274824 | rs808982   | T | G | 0.2417 | 0.0873  | 7.27E-11  | 42  |
| GCST90274824 | rs12075    | A | G | 0.5553 | 0.189   | 9.89E-62  | 275 |
| GCST90274824 | rs12118201 | T | C | 0.214  | 0.097   | 1.63E-11  | 45  |
| GCST90274824 | rs12134063 | A | G | 0.5303 | -0.0864 | 1.48E-11  | 46  |
| GCST90274824 | rs12045356 | T | G | 0.8178 | 0.1133  | 6.57E-12  | 47  |
| GCST90274824 | rs813889   | T | C | 0.7436 | -0.0907 | 4.40E-12  | 48  |
| GCST90274824 | rs863006   | A | G | 0.5369 | 0.1655  | 5.87E-47  | 207 |
| GCST90274824 | rs834166   | A | G | 0.6242 | 0.0744  | 1.07E-09  | 37  |
| GCST90274824 | rs863002   | T | C | 0.3788 | 0.0711  | 2.30E-09  | 36  |
| GCST90274824 | rs834178   | A | G | 0.3561 | -0.0737 | 2.07E-09  | 36  |
| GCST90274824 | rs8182345  | A | G | 0.6211 | -0.0831 | 9.66E-12  | 46  |
| GCST90274824 | rs863000   | T | G | 0.4762 | -0.0702 | 6.57E-09  | 34  |
| GCST90274824 | rs12150657 | A | G | 0.8971 | -0.109  | 1.37E-08  | 32  |
| GCST90274824 | rs863007   | T | G | 0.5345 | 0.0796  | 3.28E-11  | 44  |
| GCST90274824 | rs834580   | A | G | 0.2594 | -0.1001 | 8.01E-14  | 56  |
| GCST90274824 | rs8081047  | T | C | 0.9491 | 0.1609  | 2.53E-09  | 36  |
| GCST90274824 | rs863012   | A | G | 0.745  | 0.104   | 2.06E-14  | 58  |
| GCST90274824 | rs834173   | A | G | 0.407  | -0.0769 | 2.50E-09  | 36  |
| GCST90274824 | rs863009   | T | G | 0.2571 | -0.1062 | 5.77E-15  | 61  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274824 | rs863011   | T | C | 0.7444 | 0.1049  | 1.23E-14 | 59  |
| GCST90274824 | rs9297543  | T | C | 0.735  | -0.0974 | 2.42E-13 | 54  |
| GCST90274824 | rs9427014  | T | C | 0.3097 | -0.0846 | 6.61E-10 | 38  |
| GCST90274824 | rs863017   | A | T | 0.2485 | -0.0986 | 2.80E-13 | 53  |
| GCST90274824 | rs885691   | T | C | 0.1822 | -0.1212 | 2.35E-15 | 63  |
| GCST90274824 | rs863005   | T | C | 0.2459 | -0.1301 | 8.00E-21 | 88  |
| GCST90274824 | rs9633340  | T | C | 0.876  | 0.1269  | 8.94E-12 | 47  |
| GCST90274824 | rs9674950  | T | C | 0.9199 | -0.2051 | 4.97E-18 | 75  |
| GCST90274824 | rs9747128  | A | G | 0.6913 | -0.1372 | 2.64E-25 | 108 |
| GCST90274824 | rs9747714  | C | G | 0.1815 | -0.1353 | 4.33E-17 | 71  |
| GCST90274824 | rs9782926  | A | T | 0.2009 | -0.111  | 1.93E-14 | 59  |
| GCST90274824 | rs12042420 | A | G | 0.1958 | -0.1117 | 2.00E-14 | 59  |
| GCST90274824 | rs10908720 | T | C | 0.6313 | 0.0803  | 2.21E-11 | 45  |
| GCST90274824 | rs10908724 | T | G | 0.1216 | -0.1222 | 1.89E-11 | 45  |
| GCST90274824 | rs10908733 | A | T | 0.1533 | -0.1216 | 1.71E-13 | 54  |
| GCST90274824 | rs985161   | T | C | 0.7552 | -0.0867 | 9.79E-11 | 42  |
| GCST90274824 | rs9872440  | T | C | 0.6324 | 0.1264  | 6.06E-26 | 111 |
| GCST90274824 | rs12126345 | T | C | 0.8744 | 0.1362  | 7.59E-13 | 51  |
| GCST90274824 | rs8080496  | A | G | 0.0832 | 0.1999  | 2.69E-21 | 90  |
| GCST90274824 | rs8080790  | A | G | 0.9152 | -0.1829 | 8.94E-18 | 74  |
| GCST90274824 | rs8081032  | A | G | 0.0904 | 0.195   | 3.64E-20 | 85  |
| GCST90274824 | rs12134665 | T | G | 0.7399 | 0.0825  | 4.10E-10 | 39  |
| GCST90274824 | rs12136380 | A | G | 0.1958 | -0.1116 | 2.11E-14 | 58  |
| GCST90274824 | rs12136402 | A | G | 0.46   | 0.0904  | 1.11E-14 | 60  |
| GCST90274824 | rs12137347 | A | G | 0.4671 | 0.0917  | 7.83E-13 | 51  |
| GCST90274824 | rs12140039 | A | G | 0.8036 | 0.1092  | 7.46E-14 | 56  |
| GCST90274824 | rs12142553 | T | C | 0.8779 | 0.1251  | 1.57E-12 | 50  |
| GCST90274824 | rs12142583 | A | G | 0.8787 | 0.1182  | 8.33E-11 | 42  |
| GCST90274824 | rs12143656 | A | G | 0.879  | 0.1207  | 3.31E-11 | 44  |
| GCST90274824 | rs12144843 | A | C | 0.1219 | -0.1252 | 1.51E-12 | 50  |
| GCST90274824 | rs863003   | A | G | 0.7713 | -0.0935 | 1.51E-10 | 41  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274824 | rs863004   | T | C | 0.3809 | 0.138   | 1.35E-31 | 137 |
| GCST90274824 | rs12145616 | T | G | 0.8779 | 0.1227  | 4.14E-12 | 48  |
| GCST90274824 | rs10505256 | T | C | 0.6391 | 0.0732  | 2.66E-09 | 35  |
| GCST90274824 | rs12325715 | A | G | 0.9826 | -0.3573 | 1.65E-12 | 50  |
| GCST90274824 | rs1233650  | A | G | 0.1456 | 0.1786  | 4.19E-26 | 112 |
| GCST90274824 | rs1233651  | T | C | 0.8179 | 0.1226  | 7.28E-16 | 65  |
| GCST90274824 | rs1233652  | A | G | 0.9154 | -0.1879 | 4.76E-18 | 75  |
| GCST90274824 | rs863016   | A | G | 0.7184 | -0.1009 | 1.34E-14 | 59  |
| GCST90274824 | rs12402605 | A | G | 0.2807 | -0.0758 | 7.20E-09 | 33  |
| GCST90274824 | rs12410729 | T | C | 0.8786 | 0.1254  | 1.86E-12 | 50  |
| GCST90274824 | rs12450001 | A | G | 0.1821 | -0.1108 | 2.17E-13 | 54  |
| GCST90274824 | rs12450341 | T | C | 0.8131 | 0.1098  | 2.48E-13 | 54  |
| GCST90274824 | rs12450911 | A | G | 0.82   | 0.0984  | 9.56E-11 | 42  |
| GCST90274824 | rs12453109 | T | C | 0.1824 | -0.1115 | 1.53E-13 | 55  |
| GCST90274824 | rs9427342  | C | G | 0.682  | 0.0796  | 6.24E-09 | 34  |
| GCST90274824 | rs12034969 | T | C | 0.3721 | -0.0771 | 1.87E-10 | 41  |
| GCST90274824 | rs12035635 | T | C | 0.1215 | -0.1278 | 6.98E-13 | 52  |
| GCST90274824 | rs12041803 | A | C | 0.1958 | -0.1097 | 5.75E-14 | 56  |
| GCST90274824 | rs12042314 | C | G | 0.1218 | -0.1252 | 1.51E-12 | 50  |
| GCST90274824 | rs12042349 | T | C | 0.1234 | -0.1493 | 5.49E-13 | 52  |
| GCST90274824 | rs10908717 | A | C | 0.1215 | -0.1271 | 9.30E-13 | 51  |
| GCST90274824 | rs3091324  | T | G | 0.1801 | -0.0988 | 8.03E-11 | 42  |
| GCST90274824 | rs3091327  | A | G | 0.9158 | -0.1897 | 1.67E-19 | 82  |
| GCST90274824 | rs3091328  | A | G | 0.6336 | -0.1456 | 7.03E-34 | 147 |
| GCST90274824 | rs3091329  | T | C | 0.9162 | -0.1884 | 4.30E-19 | 80  |
| GCST90274824 | rs3091330  | T | G | 0.3657 | 0.1457  | 6.35E-34 | 147 |
| GCST90274824 | rs3122628  | T | C | 0.3682 | -0.078  | 1.62E-10 | 41  |
| GCST90274824 | rs3122629  | T | C | 0.6317 | 0.0781  | 1.54E-10 | 41  |
| GCST90274824 | rs12131860 | A | C | 0.8778 | 0.125   | 1.64E-12 | 50  |
| GCST90274824 | rs12132451 | A | G | 0.4609 | 0.0896  | 1.89E-14 | 59  |
| GCST90274824 | rs1007638  | A | G | 0.3674 | -0.1281 | 8.64E-26 | 110 |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274824 | rs10086741 | T | G | 0.6516 | -0.0906 | 7.01E-14 | 56  |
| GCST90274824 | rs1014180  | A | T | 0.217  | 0.0777  | 2.86E-08 | 31  |
| GCST90274824 | rs1019112  | A | G | 0.1751 | -0.136  | 6.17E-19 | 79  |
| GCST90274824 | rs1019113  | T | C | 0.1761 | -0.1421 | 8.87E-21 | 87  |
| GCST90274824 | rs1024610  | A | T | 0.8112 | 0.1332  | 2.26E-19 | 81  |
| GCST90274824 | rs1024611  | A | G | 0.7184 | -0.1018 | 4.67E-14 | 57  |
| GCST90274824 | rs1040333  | T | C | 0.2593 | 0.0941  | 6.81E-13 | 52  |
| GCST90274824 | rs10433605 | T | C | 0.2884 | -0.1142 | 1.57E-18 | 77  |
| GCST90274824 | rs12144848 | T | C | 0.122  | -0.1254 | 1.39E-12 | 50  |
| GCST90274824 | rs12145079 | A | G | 0.6311 | 0.0796  | 3.28E-11 | 44  |
| GCST90274824 | rs10491110 | T | C | 0.9298 | 0.1532  | 5.87E-11 | 43  |
| GCST90274824 | rs11717346 | A | G | 0.5424 | 0.0933  | 8.76E-16 | 65  |
| GCST90274824 | rs10505262 | A | T | 0.7678 | -0.1012 | 3.32E-13 | 53  |
| GCST90274824 | rs1065805  | T | C | 0.7583 | -0.0871 | 8.03E-11 | 42  |
| GCST90274824 | rs1065806  | A | G | 0.233  | 0.0892  | 5.42E-11 | 43  |
| GCST90274824 | rs1070283  | T | C | 0.2619 | -0.0971 | 4.28E-13 | 53  |
| GCST90274824 | rs1233653  | T | C | 0.9127 | -0.1825 | 1.49E-17 | 73  |
| GCST90274824 | rs11919717 | A | C | 0.367  | -0.1243 | 3.84E-25 | 107 |
| GCST90274824 | rs11922832 | T | C | 0.7311 | 0.0928  | 9.44E-13 | 51  |
| GCST90274824 | rs11923822 | C | G | 0.7502 | 0.1069  | 9.16E-16 | 65  |
| GCST90274824 | rs12023055 | A | G | 0.4632 | -0.0773 | 5.72E-11 | 43  |
| GCST90274824 | rs12028986 | A | G | 0.4591 | 0.0891  | 2.63E-14 | 58  |
| GCST90274824 | rs12033298 | T | C | 0.5364 | 0.0768  | 7.59E-11 | 42  |
| GCST90274824 | rs12034243 | A | G | 0.537  | 0.0786  | 3.97E-11 | 44  |
| GCST90274824 | rs10908709 | A | C | 0.4609 | 0.089   | 2.81E-14 | 58  |
| GCST90274824 | rs10908710 | A | G | 0.4608 | 0.0899  | 1.54E-14 | 59  |
| GCST90274824 | rs10908711 | A | G | 0.5236 | 0.0827  | 1.57E-12 | 50  |
| GCST90274824 | rs10908713 | T | C | 0.6933 | 0.0794  | 5.54E-10 | 38  |
| GCST90274824 | rs10908716 | A | G | 0.878  | 0.1264  | 9.25E-13 | 51  |
| GCST90274824 | rs3091318  | T | C | 0.916  | -0.1872 | 7.18E-19 | 79  |
| GCST90274824 | rs3760399  | A | G | 0.9494 | 0.1657  | 1.12E-09 | 37  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274824 | rs3785907   | T | C | 0.8477 | -0.093  | 3.10E-08 | 31  |
| GCST90274824 | rs3802222   | A | T | 0.6363 | 0.0726  | 3.58E-09 | 35  |
| GCST90274824 | rs3808451   | A | G | 0.6399 | 0.0717  | 5.57E-09 | 34  |
| GCST90274824 | rs11080256  | A | G | 0.3304 | 0.094   | 2.13E-14 | 58  |
| GCST90274824 | rs11129975  | A | G | 0.2698 | -0.0912 | 2.29E-12 | 49  |
| GCST90274824 | rs11129976  | A | G | 0.2697 | -0.0948 | 3.05E-13 | 53  |
| GCST90274824 | rs11129977  | C | G | 0.7294 | 0.0937  | 5.69E-13 | 52  |
| GCST90274824 | rs11129978  | T | C | 0.3148 | -0.1236 | 2.11E-23 | 99  |
| GCST90274824 | rs12133577  | T | C | 0.5362 | 0.0772  | 6.06E-11 | 43  |
| GCST90274824 | rs3131546   | T | C | 0.3043 | -0.0792 | 3.26E-10 | 40  |
| GCST90274824 | rs3131547   | A | G | 0.6318 | 0.0781  | 1.54E-10 | 41  |
| GCST90274824 | rs3136674   | T | C | 0.9454 | 0.4019  | 1.02E-52 | 234 |
| GCST90274824 | rs3136676   | A | G | 0.9384 | 0.3903  | 1.60E-54 | 242 |
| GCST90274824 | rs3136679   | A | G | 0.0517 | -0.3843 | 2.60E-47 | 209 |
| GCST90274824 | rs3136680   | A | T | 0.0517 | -0.3834 | 4.25E-47 | 208 |
| GCST90274824 | rs3136681   | T | G | 0.4387 | -0.0653 | 2.39E-08 | 31  |
| GCST90274824 | rs3138039   | T | C | 0.8624 | 0.1356  | 1.31E-14 | 59  |
| GCST90274824 | rs10438808  | A | C | 0.183  | -0.1331 | 7.10E-19 | 79  |
| GCST90274824 | rs10491109  | T | G | 0.128  | -0.157  | 9.55E-18 | 74  |
| GCST90274824 | rs339668    | A | G | 0.5449 | 0.0956  | 1.70E-16 | 68  |
| GCST90274824 | rs339671    | A | C | 0.7334 | 0.095   | 2.72E-13 | 53  |
| GCST90274824 | rs117447156 | A | C | 0.0722 | -0.2855 | 1.09E-33 | 146 |
| GCST90274824 | rs117512510 | A | G | 0.9385 | 0.1716  | 3.05E-12 | 49  |
| GCST90274824 | rs11787046  | A | T | 0.7075 | -0.0891 | 7.19E-12 | 47  |
| GCST90274824 | rs11867166  | A | G | 0.2588 | 0.0902  | 4.58E-11 | 43  |
| GCST90274824 | rs1071276   | A | G | 0.7401 | 0.0993  | 1.26E-13 | 55  |
| GCST90274824 | rs1080327   | A | T | 0.2822 | 0.098   | 1.91E-14 | 59  |
| GCST90274824 | rs10865924  | C | G | 0.693  | 0.1208  | 4.29E-22 | 93  |
| GCST90274824 | rs10865925  | T | C | 0.6749 | 0.1006  | 2.87E-16 | 67  |
| GCST90274824 | rs10865927  | A | G | 0.4561 | -0.066  | 2.23E-08 | 31  |
| GCST90274824 | rs1089116   | A | C | 0.7607 | -0.0852 | 3.29E-09 | 35  |

|              |            |   |   |        |         |          |    |
|--------------|------------|---|---|--------|---------|----------|----|
| GCST90274824 | rs1089117  | T | C | 0.2417 | 0.0875  | 6.58E-11 | 43 |
| GCST90274824 | rs10908706 | C | G | 0.8033 | 0.126   | 1.01E-15 | 64 |
| GCST90274824 | rs3027008  | T | C | 0.1731 | 0.1019  | 4.89E-11 | 43 |
| GCST90274824 | rs3027012  | T | C | 0.1728 | 0.1059  | 8.20E-11 | 42 |
| GCST90274824 | rs3027016  | A | G | 0.8486 | -0.1369 | 2.90E-17 | 71 |
| GCST90274824 | rs3091315  | A | G | 0.7177 | -0.0978 | 2.16E-14 | 58 |
| GCST90274824 | rs3091316  | A | G | 0.2814 | 0.0973  | 4.61E-14 | 57 |
| GCST90274824 | rs3732860  | T | C | 0.4935 | 0.0685  | 3.52E-09 | 35 |
| GCST90274824 | rs212485   | A | G | 0.2508 | -0.0745 | 2.13E-08 | 31 |
| GCST90274824 | rs212486   | T | C | 0.7494 | 0.0752  | 2.00E-08 | 31 |
| GCST90274824 | rs212487   | A | G | 0.2503 | -0.0751 | 2.09E-08 | 31 |
| GCST90274824 | rs2142330  | A | T | 0.3949 | -0.0694 | 1.28E-08 | 32 |
| GCST90274824 | rs2142333  | T | C | 0.3356 | 0.0974  | 1.42E-15 | 64 |
| GCST90274824 | rs2159220  | A | G | 0.1778 | -0.1337 | 1.42E-18 | 77 |
| GCST90274824 | rs2178950  | C | G | 0.3453 | 0.096   | 5.96E-15 | 61 |
| GCST90274824 | rs2178951  | A | G | 0.6646 | -0.096  | 3.58E-15 | 62 |
| GCST90274824 | rs2190967  | T | C | 0.828  | 0.1483  | 3.24E-22 | 94 |
| GCST90274824 | rs2190968  | T | C | 0.1832 | -0.1339 | 2.10E-18 | 77 |
| GCST90274824 | rs2195224  | A | G | 0.3692 | -0.1178 | 6.74E-20 | 83 |
| GCST90274824 | rs2195225  | A | G | 0.3685 | -0.1151 | 4.56E-19 | 80 |
| GCST90274824 | rs2205265  | T | G | 0.7554 | -0.0857 | 1.60E-10 | 41 |
| GCST90274824 | rs2205266  | A | G | 0.7554 | -0.086  | 1.38E-10 | 41 |
| GCST90274824 | rs2205380  | A | G | 0.3358 | 0.098   | 9.53E-16 | 65 |
| GCST90274824 | rs2215181  | A | G | 0.1719 | -0.1505 | 1.47E-22 | 96 |
| GCST90274824 | rs2215185  | T | C | 0.8179 | 0.1196  | 1.54E-15 | 64 |
| GCST90274824 | rs2223058  | A | G | 0.7555 | -0.0872 | 7.64E-11 | 42 |
| GCST90274824 | rs339664   | A | G | 0.5447 | 0.0949  | 2.81E-16 | 67 |
| GCST90274824 | rs339667   | T | C | 0.4548 | -0.0953 | 2.11E-16 | 67 |
| GCST90274824 | rs2247584  | T | G | 0.5274 | -0.0837 | 5.37E-13 | 52 |
| GCST90274824 | rs2249866  | A | C | 0.2499 | 0.0764  | 1.94E-08 | 32 |
| GCST90274824 | rs339676   | A | G | 0.4549 | -0.0958 | 1.47E-16 | 68 |

|              |            |   |   |        |         |          |    |
|--------------|------------|---|---|--------|---------|----------|----|
| GCST90274824 | rs339684   | C | G | 0.285  | -0.0818 | 1.65E-10 | 41 |
| GCST90274824 | rs339687   | C | G | 0.2963 | -0.0804 | 6.23E-10 | 38 |
| GCST90274824 | rs339731   | A | G | 0.7413 | 0.092   | 3.18E-12 | 49 |
| GCST90274824 | rs11870164 | T | C | 0.2772 | 0.105   | 3.97E-16 | 66 |
| GCST90274824 | rs11870347 | T | C | 0.282  | 0.0976  | 2.44E-14 | 58 |
| GCST90274824 | rs11870407 | A | C | 0.282  | 0.0978  | 2.16E-14 | 58 |
| GCST90274824 | rs2975507  | T | C | 0.2355 | 0.0803  | 2.71E-09 | 35 |
| GCST90274824 | rs2975508  | A | G | 0.2074 | 0.0783  | 3.51E-08 | 30 |
| GCST90274824 | rs3026943  | A | C | 0.421  | -0.0692 | 1.41E-08 | 32 |
| GCST90274824 | rs3026996  | A | C | 0.7738 | -0.0884 | 1.50E-10 | 41 |
| GCST90274824 | rs3027001  | T | C | 0.2258 | 0.087   | 3.87E-10 | 39 |
| GCST90274824 | rs35807837 | T | C | 0.2503 | -0.1079 | 4.95E-16 | 66 |
| GCST90274824 | rs35876039 | A | G | 0.8179 | 0.1087  | 1.46E-11 | 46 |
| GCST90274824 | rs35921531 | T | C | 0.8186 | 0.1108  | 5.90E-12 | 47 |
| GCST90274824 | rs36016835 | T | C | 0.0844 | 0.1824  | 5.40E-18 | 75 |
| GCST90274824 | rs366969   | T | C | 0.3684 | 0.0812  | 8.25E-11 | 42 |
| GCST90274824 | rs2427824  | T | C | 0.2623 | -0.0834 | 2.65E-10 | 40 |
| GCST90274824 | rs2427825  | T | C | 0.2643 | -0.0893 | 1.33E-11 | 46 |
| GCST90274824 | rs2427826  | T | C | 0.732  | 0.0894  | 8.83E-12 | 47 |
| GCST90274824 | rs2427828  | A | G | 0.7292 | 0.0889  | 8.00E-12 | 47 |
| GCST90274824 | rs2427831  | T | G | 0.7243 | -0.0983 | 2.53E-14 | 58 |
| GCST90274824 | rs2427832  | A | G | 0.2475 | -0.0966 | 8.33E-13 | 51 |
| GCST90274824 | rs2427834  | A | G | 0.2473 | -0.0959 | 1.21E-12 | 50 |
| GCST90274824 | rs2427836  | T | C | 0.5271 | -0.0846 | 3.03E-13 | 53 |
| GCST90274824 | rs2427837  | A | G | 0.2802 | 0.09    | 2.05E-12 | 49 |
| GCST90274824 | rs3122630  | T | C | 0.6318 | 0.078   | 1.62E-10 | 41 |
| GCST90274824 | rs3122631  | T | C | 0.6324 | 0.0765  | 3.60E-10 | 39 |
| GCST90274824 | rs3122633  | T | C | 0.6953 | 0.0794  | 2.95E-10 | 40 |
| GCST90274824 | rs2494256  | A | G | 0.4761 | 0.0802  | 1.07E-11 | 46 |
| GCST90274824 | rs2494258  | T | C | 0.2478 | -0.0964 | 9.28E-13 | 51 |
| GCST90274824 | rs2494260  | T | C | 0.2477 | -0.0963 | 9.80E-13 | 51 |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274824 | rs2494261  | A | G | 0.7516 | 0.1036  | 4.33E-13 | 52  |
| GCST90274824 | rs2494262  | A | C | 0.5295 | 0.0718  | 6.03E-10 | 38  |
| GCST90274824 | rs2494263  | A | G | 0.7379 | 0.0844  | 1.62E-10 | 41  |
| GCST90274824 | rs2494265  | A | T | 0.2705 | -0.0896 | 5.49E-12 | 48  |
| GCST90274824 | rs2228467  | T | C | 0.9288 | -0.2349 | 6.86E-25 | 106 |
| GCST90274824 | rs2229593  | T | C | 0.0352 | 0.2727  | 3.10E-17 | 71  |
| GCST90274824 | rs2511210  | A | G | 0.2478 | -0.0972 | 6.02E-13 | 52  |
| GCST90274824 | rs2511211  | T | G | 0.7637 | -0.1099 | 2.65E-15 | 63  |
| GCST90274824 | rs2249872  | A | T | 0.7502 | -0.0757 | 2.60E-08 | 31  |
| GCST90274824 | rs2251746  | T | C | 0.7274 | -0.0936 | 4.11E-12 | 48  |
| GCST90274824 | rs2253837  | T | C | 0.2513 | 0.0752  | 2.00E-08 | 31  |
| GCST90274824 | rs2254401  | T | C | 0.7692 | -0.0883 | 1.15E-10 | 42  |
| GCST90274824 | rs34118369 | A | C | 0.4346 | -0.0655 | 3.71E-08 | 30  |
| GCST90274824 | rs34322651 | T | C | 0.4069 | 0.0823  | 1.03E-11 | 46  |
| GCST90274824 | rs34388918 | A | G | 0.5365 | 0.0786  | 2.72E-11 | 44  |
| GCST90274824 | rs34435581 | T | C | 0.8202 | 0.0992  | 6.74E-11 | 43  |
| GCST90274824 | rs34448772 | A | G | 0.7692 | -0.0969 | 2.19E-12 | 49  |
| GCST90274824 | rs34759881 | T | G | 0.6922 | 0.1239  | 1.74E-22 | 95  |
| GCST90274824 | rs34868846 | A | G | 0.2618 | -0.0936 | 9.00E-13 | 51  |
| GCST90274824 | rs35584330 | T | C | 0.2659 | -0.0924 | 1.18E-12 | 51  |
| GCST90274824 | rs2368469  | T | C | 0.1819 | -0.1344 | 3.25E-19 | 80  |
| GCST90274824 | rs2368470  | A | G | 0.7146 | -0.0944 | 2.52E-13 | 54  |
| GCST90274824 | rs2368471  | T | G | 0.2817 | 0.098   | 1.91E-14 | 59  |
| GCST90274824 | rs2368472  | T | C | 0.7184 | -0.0979 | 2.03E-14 | 58  |
| GCST90274824 | rs2372110  | A | C | 0.7393 | 0.0949  | 4.35E-13 | 52  |
| GCST90274824 | rs2694048  | T | C | 0.755  | -0.0864 | 1.14E-10 | 42  |
| GCST90274824 | rs2694049  | T | C | 0.2445 | 0.0856  | 1.68E-10 | 41  |
| GCST90274824 | rs2721956  | A | G | 0.342  | 0.0932  | 5.64E-14 | 56  |
| GCST90274824 | rs2721957  | A | G | 0.346  | 0.0957  | 7.22E-15 | 61  |
| GCST90274824 | rs2721959  | T | G | 0.6541 | -0.0953 | 9.34E-15 | 60  |
| GCST90274824 | rs2721960  | A | G | 0.3458 | 0.0955  | 8.21E-15 | 60  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274824 | rs3808462   | A | G | 0.4293 | -0.0728 | 9.50E-10 | 37  |
| GCST90274824 | rs3808477   | T | C | 0.2699 | 0.1168  | 1.61E-18 | 77  |
| GCST90274824 | rs3808478   | T | C | 0.6445 | -0.0915 | 1.01E-13 | 55  |
| GCST90274824 | rs9872570   | A | T | 0.365  | -0.1236 | 7.05E-25 | 106 |
| GCST90274824 | rs9878145   | T | C | 0.3852 | -0.1142 | 2.84E-18 | 76  |
| GCST90274824 | rs11129979  | T | C | 0.6129 | 0.1217  | 1.50E-24 | 105 |
| GCST90274824 | rs11129980  | T | G | 0.307  | -0.121  | 3.67E-22 | 94  |
| GCST90274824 | rs11129981  | A | C | 0.6781 | 0.1037  | 1.87E-16 | 68  |
| GCST90274824 | rs11129982  | A | G | 0.6761 | 0.1049  | 8.40E-17 | 69  |
| GCST90274824 | rs11129983  | C | G | 0.7499 | 0.1107  | 2.40E-16 | 67  |
| GCST90274824 | rs111346917 | C | G | 0.9255 | -0.1616 | 2.93E-11 | 44  |
| GCST90274824 | rs111527590 | C | G | 0.9208 | -0.2076 | 2.72E-18 | 76  |
| GCST90274824 | rs111843487 | T | G | 0.0855 | 0.1908  | 4.60E-20 | 84  |
| GCST90274824 | rs2511208   | T | G | 0.4759 | 0.0818  | 4.14E-12 | 48  |
| GCST90274824 | rs2511209   | A | G | 0.7524 | 0.0969  | 7.09E-13 | 52  |
| GCST90274824 | rs2736231   | T | C | 0.7223 | -0.0847 | 6.31E-10 | 38  |
| GCST90274824 | rs2736233   | T | G | 0.7563 | -0.0857 | 1.60E-10 | 41  |
| GCST90274824 | rs2511212   | T | C | 0.7527 | 0.0947  | 2.30E-12 | 49  |
| GCST90274824 | rs2511213   | T | C | 0.5292 | 0.071   | 9.32E-10 | 37  |
| GCST90274824 | rs2511214   | T | G | 0.5268 | 0.0754  | 8.03E-11 | 42  |
| GCST90274824 | rs2511215   | T | C | 0.5299 | 0.0711  | 8.83E-10 | 38  |
| GCST90274824 | rs2254555   | T | G | 0.245  | 0.0864  | 1.14E-10 | 42  |
| GCST90274824 | rs2254681   | A | G | 0.248  | -0.0949 | 2.07E-12 | 49  |
| GCST90274824 | rs2262422   | A | G | 0.2519 | 0.1018  | 7.14E-14 | 56  |
| GCST90274824 | rs2272619   | A | G | 0.3634 | -0.0754 | 6.63E-09 | 34  |
| GCST90274824 | rs2325919   | T | G | 0.4756 | 0.0818  | 4.14E-12 | 48  |
| GCST90274824 | rs2325928   | T | C | 0.4766 | 0.0846  | 3.03E-13 | 53  |
| GCST90274824 | rs2358065   | T | C | 0.2357 | 0.0814  | 1.64E-09 | 36  |
| GCST90274824 | rs2368467   | T | C | 0.8153 | 0.0957  | 2.33E-10 | 40  |
| GCST90274824 | rs2694037   | A | G | 0.7668 | -0.0883 | 8.43E-11 | 42  |
| GCST90274824 | rs2694042   | A | C | 0.7627 | -0.0868 | 2.76E-09 | 35  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274824 | rs2694043  | A | G | 0.2375 | 0.0854  | 4.94E-09 | 34  |
| GCST90274824 | rs2694045  | A | G | 0.767  | -0.0891 | 5.70E-11 | 43  |
| GCST90274824 | rs2694047  | A | G | 0.2468 | 0.0877  | 5.96E-11 | 43  |
| GCST90274824 | rs2737250  | A | G | 0.6537 | -0.0907 | 6.59E-14 | 56  |
| GCST90274824 | rs2737251  | T | C | 0.3279 | 0.102   | 3.35E-16 | 67  |
| GCST90274824 | rs2737252  | A | G | 0.2711 | 0.1159  | 2.93E-18 | 76  |
| GCST90274824 | rs2737253  | A | G | 0.3291 | 0.1027  | 2.10E-16 | 68  |
| GCST90274824 | rs2737254  | T | C | 0.3362 | 0.0968  | 2.11E-15 | 63  |
| GCST90274824 | rs2737257  | A | C | 0.3286 | 0.1061  | 3.49E-14 | 57  |
| GCST90274824 | rs2737263  | T | G | 0.2709 | 0.1165  | 1.96E-18 | 77  |
| GCST90274824 | rs2737265  | A | G | 0.7291 | -0.117  | 1.41E-18 | 77  |
| GCST90274824 | rs28376360 | A | G | 0.1815 | -0.1133 | 6.22E-14 | 56  |
| GCST90274824 | rs28479088 | A | G | 0.4602 | 0.0896  | 1.89E-14 | 59  |
| GCST90274824 | rs2852714  | A | G | 0.7447 | -0.0734 | 3.41E-08 | 30  |
| GCST90274824 | rs2852715  | A | G | 0.2557 | 0.0727  | 4.60E-08 | 30  |
| GCST90274824 | rs28528230 | A | G | 0.4289 | -0.0668 | 2.60E-08 | 31  |
| GCST90274824 | rs2857653  | T | C | 0.1885 | -0.1395 | 2.50E-20 | 85  |
| GCST90274824 | rs2857654  | A | C | 0.2833 | 0.102   | 4.17E-14 | 57  |
| GCST90274824 | rs2857656  | C | G | 0.2827 | 0.0994  | 8.12E-15 | 60  |
| GCST90274824 | rs2857657  | C | G | 0.8132 | 0.1389  | 1.14E-20 | 87  |
| GCST90274824 | rs28629939 | A | G | 0.9187 | -0.1949 | 8.43E-20 | 83  |
| GCST90274824 | rs28695249 | C | G | 0.7449 | -0.0734 | 3.41E-08 | 30  |
| GCST90274824 | rs2887258  | A | G | 0.365  | 0.1502  | 3.69E-29 | 126 |
| GCST90274824 | rs2887259  | T | C | 0.282  | 0.0981  | 1.80E-14 | 59  |
| GCST90274824 | rs2888271  | T | G | 0.3233 | -0.1032 | 8.61E-17 | 69  |
| GCST90274824 | rs2888272  | C | G | 0.6761 | 0.1017  | 2.37E-16 | 67  |
| GCST90274824 | rs295083   | C | G | 0.0967 | -0.1993 | 5.83E-23 | 97  |
| GCST90274824 | rs295085   | T | C | 0.0966 | -0.1981 | 1.05E-22 | 96  |
| GCST90274824 | rs295086   | A | G | 0.0967 | -0.1978 | 1.22E-22 | 96  |
| GCST90274824 | rs2960146  | A | G | 0.2448 | 0.0858  | 1.52E-10 | 41  |
| GCST90274824 | rs2530797  | T | C | 0.6397 | 0.1556  | 1.89E-38 | 168 |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274824 | rs2559650  | T | C | 0.2598 | -0.0978 | 2.91E-13 | 53  |
| GCST90274824 | rs2694027  | T | G | 0.2718 | 0.0864  | 2.12E-11 | 45  |
| GCST90274824 | rs2694031  | A | G | 0.245  | 0.0777  | 8.64E-09 | 33  |
| GCST90274824 | rs2694033  | A | G | 0.7412 | -0.0927 | 1.48E-12 | 50  |
| GCST90274824 | rs2694034  | A | G | 0.2706 | 0.088   | 9.00E-12 | 47  |
| GCST90274824 | rs2694035  | C | G | 0.7436 | -0.0908 | 4.17E-12 | 48  |
| GCST90274824 | rs2694036  | T | G | 0.7667 | -0.0885 | 7.65E-11 | 42  |
| GCST90274824 | rs800575   | T | C | 0.7633 | -0.095  | 5.82E-12 | 47  |
| GCST90274824 | rs800579   | T | C | 0.2494 | 0.0863  | 4.34E-09 | 34  |
| GCST90274824 | rs800585   | A | T | 0.7667 | -0.0878 | 1.08E-10 | 42  |
| GCST90274824 | rs800586   | A | G | 0.7364 | -0.0943 | 4.05E-13 | 53  |
| GCST90274824 | rs800587   | T | G | 0.2333 | 0.0877  | 1.13E-10 | 42  |
| GCST90274824 | rs800588   | T | G | 0.2419 | 0.0867  | 9.79E-11 | 42  |
| GCST90274824 | rs800589   | T | C | 0.2333 | 0.0877  | 1.13E-10 | 42  |
| GCST90274824 | rs800591   | T | C | 0.2419 | 0.0868  | 9.32E-11 | 42  |
| GCST90274824 | rs80351926 | T | C | 0.11   | -0.1398 | 5.26E-11 | 43  |
| GCST90274824 | rs8066215  | T | C | 0.1745 | -0.1488 | 2.35E-22 | 95  |
| GCST90274824 | rs8066789  | T | C | 0.375  | 0.0832  | 9.12E-12 | 47  |
| GCST90274824 | rs8068314  | A | T | 0.9166 | -0.1995 | 2.10E-21 | 90  |
| GCST90274824 | rs8068622  | A | G | 0.1724 | -0.1468 | 3.26E-17 | 71  |
| GCST90274824 | rs8070150  | A | G | 0.0172 | 0.3652  | 6.53E-13 | 52  |
| GCST90274824 | rs8075337  | T | C | 0.5766 | -0.1371 | 1.03E-30 | 133 |
| GCST90274824 | rs8079244  | C | G | 0.0818 | 0.187   | 4.83E-18 | 75  |
| GCST90274824 | rs16969415 | T | C | 0.0509 | -0.1648 | 1.19E-09 | 37  |
| GCST90274824 | rs16969454 | T | C | 0.7908 | -0.0868 | 3.53E-09 | 35  |
| GCST90274824 | rs16969538 | A | G | 0.0582 | -0.3511 | 1.86E-43 | 191 |
| GCST90274824 | rs16969619 | A | G | 0.9276 | 0.2859  | 4.72E-34 | 148 |
| GCST90274824 | rs16969810 | A | G | 0.0822 | -0.1372 | 9.07E-10 | 38  |
| GCST90274824 | rs169862   | A | G | 0.7493 | 0.0748  | 1.87E-08 | 32  |
| GCST90274824 | rs17030478 | A | G | 0.6928 | 0.1209  | 3.97E-22 | 94  |
| GCST90274824 | rs17542274 | A | G | 0.1658 | 0.1106  | 3.50E-12 | 48  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274824 | rs17577440  | T | C | 0.0797 | -0.1388 | 6.88E-10 | 38  |
| GCST90274824 | rs17716502  | T | C | 0.1927 | 0.0919  | 5.32E-10 | 39  |
| GCST90274824 | rs17735961  | A | C | 0.1798 | -0.1009 | 3.18E-11 | 44  |
| GCST90274824 | rs179442    | T | C | 0.3363 | 0.1028  | 1.13E-16 | 69  |
| GCST90274824 | rs179444    | T | G | 0.3404 | 0.0978  | 3.09E-15 | 62  |
| GCST90274824 | rs179456    | A | G | 0.2321 | 0.1027  | 1.49E-13 | 55  |
| GCST90274824 | rs1821142   | T | C | 0.0184 | 0.3511  | 1.83E-13 | 54  |
| GCST90274824 | rs183012206 | A | G | 0.1336 | -0.1408 | 1.98E-14 | 59  |
| GCST90274824 | rs2960148   | T | C | 0.7563 | -0.0857 | 1.60E-10 | 41  |
| GCST90274824 | rs2960151   | A | C | 0.7622 | -0.092  | 2.62E-11 | 44  |
| GCST90274824 | rs2960153   | T | C | 0.2362 | 0.0799  | 3.25E-09 | 35  |
| GCST90274824 | rs2960155   | A | G | 0.7836 | -0.077  | 3.80E-08 | 30  |
| GCST90274824 | rs2960156   | A | G | 0.2333 | 0.0884  | 8.03E-11 | 42  |
| GCST90274824 | rs2960157   | T | G | 0.2556 | 0.0922  | 1.21E-11 | 46  |
| GCST90274824 | rs800572    | A | G | 0.2422 | 0.0888  | 9.07E-11 | 42  |
| GCST90274824 | rs800574    | A | C | 0.2378 | 0.0917  | 3.03E-11 | 44  |
| GCST90274824 | rs1860188   | T | C | 0.1763 | -0.1059 | 4.47E-12 | 48  |
| GCST90274824 | rs1860189   | A | G | 0.822  | 0.1039  | 8.17E-12 | 47  |
| GCST90274824 | rs1860190   | A | T | 0.3648 | 0.1492  | 1.72E-35 | 155 |
| GCST90274824 | rs1880814   | T | C | 0.7554 | -0.0857 | 1.60E-10 | 41  |
| GCST90274824 | rs1880815   | A | G | 0.7551 | -0.0858 | 1.52E-10 | 41  |
| GCST90274824 | rs1880816   | T | G | 0.2446 | 0.0856  | 1.68E-10 | 41  |
| GCST90274824 | rs1896564   | T | C | 0.4253 | 0.0777  | 1.35E-10 | 41  |
| GCST90274824 | rs12453553  | T | C | 0.181  | -0.1364 | 2.09E-16 | 68  |
| GCST90274824 | rs12488474  | A | T | 0.2397 | -0.1061 | 1.49E-14 | 59  |
| GCST90274824 | rs12491179  | T | C | 0.257  | -0.0927 | 2.18E-12 | 49  |
| GCST90274824 | rs12494055  | T | C | 0.4932 | 0.0676  | 5.62E-09 | 34  |
| GCST90274824 | rs12600717  | A | G | 0.0727 | -0.2877 | 3.49E-34 | 149 |
| GCST90274824 | rs2721961   | T | G | 0.7293 | -0.1201 | 1.72E-19 | 82  |
| GCST90274824 | rs2721962   | A | T | 0.3446 | 0.0907  | 6.59E-14 | 56  |
| GCST90274824 | rs2721963   | A | C | 0.664  | -0.0963 | 2.94E-15 | 62  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274824 | rs2721965   | A | C | 0.6714 | -0.1026 | 2.25E-16 | 67  |
| GCST90274824 | rs2721966   | T | C | 0.3465 | 0.0901  | 9.60E-14 | 55  |
| GCST90274824 | rs2736202   | T | C | 0.7583 | -0.0876 | 6.26E-11 | 43  |
| GCST90274824 | rs2736203   | T | C | 0.2333 | 0.0884  | 8.03E-11 | 42  |
| GCST90274824 | rs2736207   | T | C | 0.7413 | -0.093  | 1.25E-12 | 50  |
| GCST90274824 | rs2736208   | T | C | 0.2399 | 0.0886  | 5.27E-11 | 43  |
| GCST90274824 | rs2736209   | T | C | 0.7689 | -0.0891 | 7.84E-11 | 42  |
| GCST90274824 | rs2736212   | T | C | 0.2308 | 0.0891  | 7.84E-11 | 42  |
| GCST90274824 | rs2736213   | A | G | 0.7685 | -0.0879 | 1.40E-10 | 41  |
| GCST90274824 | rs2736214   | C | G | 0.7331 | -0.0842 | 1.60E-08 | 32  |
| GCST90274824 | rs2736216   | T | C | 0.2373 | 0.0838  | 9.48E-09 | 33  |
| GCST90274824 | rs2736222   | A | G | 0.7837 | -0.0774 | 3.23E-08 | 31  |
| GCST90274824 | rs9909870   | A | G | 0.8281 | 0.1481  | 3.68E-22 | 94  |
| GCST90274824 | rs991804    | T | C | 0.2819 | 0.0976  | 2.44E-14 | 58  |
| GCST90274824 | rs2736234   | T | G | 0.7562 | -0.085  | 2.25E-10 | 40  |
| GCST90274824 | rs2737229   | A | C | 0.6967 | -0.1036 | 3.42E-16 | 67  |
| GCST90274824 | rs2737230   | A | G | 0.6975 | -0.1032 | 7.47E-16 | 65  |
| GCST90274824 | rs1830141   | A | G | 0.244  | 0.085   | 2.25E-10 | 40  |
| GCST90274824 | rs184983166 | A | C | 0.0174 | 0.3243  | 3.31E-11 | 44  |
| GCST90274824 | rs1860179   | T | C | 0.3591 | -0.0757 | 2.82E-10 | 40  |
| GCST90274824 | rs1860183   | T | C | 0.2306 | -0.1257 | 8.34E-20 | 83  |
| GCST90274824 | rs1860184   | A | T | 0.7143 | -0.0971 | 5.19E-14 | 57  |
| GCST90274824 | rs1860185   | T | C | 0.8167 | 0.1335  | 5.58E-19 | 79  |
| GCST90274824 | rs1860186   | C | G | 0.3665 | 0.1455  | 7.79E-34 | 147 |
| GCST90274824 | rs1860187   | A | G | 0.0829 | 0.1925  | 1.60E-19 | 82  |
| GCST90274824 | rs2737244   | A | T | 0.6546 | -0.0895 | 1.40E-13 | 55  |
| GCST90274824 | rs2737245   | T | G | 0.2708 | 0.1172  | 1.23E-18 | 78  |
| GCST90274824 | rs2737246   | C | G | 0.2696 | 0.1168  | 1.61E-18 | 77  |
| GCST90274824 | rs2737247   | A | G | 0.6641 | -0.0991 | 4.55E-16 | 66  |
| GCST90274824 | rs2737248   | A | G | 0.6641 | -0.0964 | 2.75E-15 | 62  |
| GCST90274824 | rs2737249   | T | G | 0.6646 | -0.096  | 3.58E-15 | 62  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274824 | rs1402201   | A | G | 0.5646 | 0.0663  | 2.53E-08 | 31  |
| GCST90274824 | rs1405296   | A | C | 0.756  | -0.0852 | 2.04E-10 | 40  |
| GCST90274824 | rs1405297   | T | G | 0.7553 | -0.0861 | 1.32E-10 | 41  |
| GCST90274824 | rs140911392 | A | C | 0.0374 | 0.2019  | 5.37E-09 | 34  |
| GCST90274824 | rs140976744 | T | C | 0.0176 | 0.3437  | 1.96E-10 | 41  |
| GCST90274824 | rs141237544 | T | C | 0.1596 | 0.1038  | 1.41E-08 | 32  |
| GCST90274824 | rs141322770 | T | C | 0.6333 | 0.1267  | 4.65E-26 | 111 |
| GCST90274824 | rs142736147 | A | G | 0.1193 | 0.1989  | 3.70E-26 | 112 |
| GCST90274824 | rs1427803   | A | C | 0.3128 | -0.1233 | 2.69E-23 | 99  |
| GCST90274824 | rs144618566 | T | C | 0.0168 | 0.3757  | 2.88E-12 | 49  |
| GCST90274824 | rs144643985 | C | G | 0.1151 | 0.1794  | 2.57E-16 | 67  |
| GCST90274824 | rs145282674 | T | G | 0.9654 | -0.1993 | 4.37E-08 | 30  |
| GCST90274824 | rs145656711 | A | T | 0.9654 | -0.2015 | 4.74E-08 | 30  |
| GCST90274824 | rs146523022 | T | C | 0.112  | -0.1887 | 1.98E-24 | 104 |
| GCST90274824 | rs147183782 | T | C | 0.8734 | -0.1214 | 8.47E-11 | 42  |
| GCST90274824 | rs1474517   | T | C | 0.7686 | -0.0906 | 3.76E-11 | 44  |
| GCST90274824 | rs1474518   | T | C | 0.7687 | -0.0902 | 4.58E-11 | 43  |
| GCST90274824 | rs1474747   | T | C | 0.6023 | 0.0681  | 7.87E-09 | 33  |
| GCST90274824 | rs147660855 | T | C | 0.6184 | 0.1193  | 2.65E-17 | 72  |
| GCST90274824 | rs1476759   | A | G | 0.1919 | -0.129  | 1.70E-18 | 77  |
| GCST90274824 | rs149559580 | A | G | 0.1756 | -0.1424 | 3.86E-18 | 75  |
| GCST90274824 | rs149783572 | A | G | 0.1221 | -0.127  | 9.69E-13 | 51  |
| GCST90274824 | rs151169844 | T | C | 0.0176 | 0.3449  | 8.99E-11 | 42  |
| GCST90274824 | rs1526460   | T | G | 0.7368 | -0.095  | 2.72E-13 | 53  |
| GCST90274824 | rs1526461   | A | G | 0.2635 | 0.0939  | 5.08E-13 | 52  |
| GCST90274824 | rs1558181   | A | T | 0.8277 | 0.1497  | 1.31E-22 | 96  |
| GCST90274824 | rs1574904   | T | C | 0.282  | 0.0981  | 1.80E-14 | 59  |
| GCST90274824 | rs1582882   | T | C | 0.636  | 0.127   | 5.42E-25 | 107 |
| GCST90274824 | rs1584250   | T | C | 0.1617 | -0.114  | 1.96E-12 | 50  |
| GCST90274824 | rs1584252   | A | T | 0.5937 | -0.081  | 2.17E-11 | 45  |
| GCST90274824 | rs159263    | A | G | 0.2216 | -0.0927 | 3.56E-11 | 44  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274824 | rs159276   | T | C | 0.077  | -0.2394 | 2.41E-27 | 117 |
| GCST90274824 | rs159278   | A | G | 0.0815 | -0.2407 | 1.31E-29 | 128 |
| GCST90274824 | rs159279   | A | G | 0.0785 | -0.2303 | 1.53E-26 | 114 |
| GCST90274824 | rs159282   | A | G | 0.9187 | 0.2435  | 2.90E-30 | 131 |
| GCST90274824 | rs159285   | T | C | 0.0796 | -0.2299 | 1.87E-26 | 113 |
| GCST90274824 | rs159289   | T | C | 0.553  | 0.0688  | 7.40E-09 | 33  |
| GCST90274824 | rs159290   | A | G | 0.5527 | 0.0689  | 7.04E-09 | 34  |
| GCST90274824 | rs159291   | A | G | 0.4474 | -0.0686 | 8.18E-09 | 33  |
| GCST90274824 | rs159294   | A | T | 0.1325 | -0.1489 | 3.10E-18 | 76  |
| GCST90274824 | rs159297   | A | G | 0.0881 | -0.1989 | 1.79E-21 | 91  |
| GCST90274824 | rs159298   | A | C | 0.8678 | 0.1473  | 7.05E-18 | 74  |
| GCST90274824 | rs159305   | A | G | 0.1789 | -0.0825 | 4.67E-08 | 30  |
| GCST90274824 | rs159313   | T | C | 0.5617 | 0.0679  | 8.70E-09 | 33  |
| GCST90274824 | rs159314   | A | G | 0.0564 | -0.3734 | 3.45E-48 | 213 |
| GCST90274824 | rs159315   | A | C | 0.943  | 0.3741  | 4.24E-49 | 217 |
| GCST90274824 | rs159316   | T | G | 0.0543 | -0.3633 | 2.28E-44 | 195 |
| GCST90274824 | rs16969340 | A | G | 0.331  | 0.0937  | 2.58E-14 | 58  |
| GCST90274824 | rs16969376 | A | G | 0.0623 | -0.1691 | 5.13E-12 | 48  |
| GCST90274824 | rs16969377 | A | G | 0.0618 | -0.1711 | 3.52E-12 | 48  |
| GCST90274824 | rs16969403 | T | C | 0.0512 | -0.1644 | 1.14E-09 | 37  |
| GCST90274824 | rs2494251  | A | G | 0.4595 | 0.0892  | 1.48E-14 | 59  |
| GCST90274824 | rs2494253  | A | G | 0.2482 | -0.1068 | 5.43E-14 | 57  |
| GCST90274824 | rs2494255  | A | T | 0.2487 | -0.1047 | 3.57E-13 | 53  |
| GCST90274824 | rs73288064 | A | T | 0.0782 | 0.1399  | 2.25E-09 | 36  |
| GCST90274824 | rs734969   | T | C | 0.6724 | 0.1019  | 1.19E-16 | 69  |
| GCST90274824 | rs7350892  | A | G | 0.1727 | -0.149  | 3.84E-22 | 94  |
| GCST90274824 | rs740563   | A | G | 0.0833 | 0.1997  | 1.92E-21 | 90  |
| GCST90274824 | rs7415014  | A | G | 0.5238 | 0.0819  | 2.56E-12 | 49  |
| GCST90274824 | rs7433284  | A | G | 0.368  | -0.1288 | 4.70E-26 | 111 |
| GCST90274824 | rs74355389 | T | C | 0.1216 | -0.1279 | 4.97E-13 | 52  |
| GCST90274824 | rs74483187 | A | G | 0.1233 | 0.1189  | 1.42E-11 | 46  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274824 | rs74504220 | A | G | 0.6931 | 0.1213  | 2.90E-22 | 94  |
| GCST90274824 | rs74520022 | A | C | 0.122  | -0.1257 | 1.23E-12 | 50  |
| GCST90274824 | rs74570285 | T | C | 0.8752 | -0.1199 | 9.59E-12 | 46  |
| GCST90274824 | rs74571338 | T | C | 0.8783 | 0.128   | 4.77E-13 | 52  |
| GCST90274824 | rs7502475  | T | C | 0.6181 | -0.0828 | 1.15E-11 | 46  |
| GCST90274824 | rs7503519  | T | C | 0.2817 | 0.0976  | 2.44E-14 | 58  |
| GCST90274824 | rs75285799 | T | C | 0.1605 | -0.1152 | 1.15E-12 | 51  |
| GCST90274824 | rs7530926  | T | G | 0.2148 | -0.0978 | 2.75E-08 | 31  |
| GCST90274824 | rs7532479  | T | C | 0.4076 | 0.0785  | 8.72E-11 | 42  |
| GCST90274824 | rs7540542  | T | G | 0.2596 | 0.0969  | 7.09E-13 | 52  |
| GCST90274824 | rs7542509  | A | C | 0.6315 | 0.0785  | 1.24E-10 | 41  |
| GCST90274824 | rs75431404 | C | G | 0.8776 | 0.1262  | 1.00E-12 | 51  |
| GCST90274824 | rs75478979 | A | C | 0.0444 | -0.3797 | 1.15E-37 | 165 |
| GCST90274824 | rs7548736  | A | G | 0.6934 | 0.0788  | 7.45E-10 | 38  |
| GCST90274824 | rs7550207  | T | C | 0.7693 | -0.135  | 6.59E-23 | 97  |
| GCST90274824 | rs75598043 | A | G | 0.1705 | -0.1451 | 1.44E-18 | 77  |
| GCST90274824 | rs758293   | A | T | 0.1824 | -0.1218 | 1.12E-15 | 64  |
| GCST90274824 | rs758294   | C | G | 0.825  | 0.1399  | 6.03E-20 | 84  |
| GCST90274824 | rs75861894 | T | C | 0.9622 | -0.1963 | 9.48E-09 | 33  |
| GCST90274824 | rs75906889 | T | C | 0.8781 | 0.1252  | 1.51E-12 | 50  |
| GCST90274824 | rs1896565  | A | G | 0.4903 | -0.0761 | 1.61E-10 | 41  |
| GCST90274824 | rs1946589  | A | G | 0.9817 | -0.3534 | 1.80E-13 | 54  |
| GCST90274824 | rs1983541  | T | C | 0.346  | 0.0913  | 4.51E-14 | 57  |
| GCST90274824 | rs1989055  | T | G | 0.718  | -0.0976 | 2.44E-14 | 58  |
| GCST90274824 | rs2002182  | T | G | 0.5485 | 0.0706  | 2.19E-09 | 36  |
| GCST90274824 | rs12600832 | T | G | 0.9255 | 0.2896  | 1.29E-34 | 151 |
| GCST90274824 | rs12601112 | T | C | 0.1789 | -0.1155 | 2.03E-14 | 59  |
| GCST90274824 | rs12601658 | A | T | 0.236  | -0.1559 | 2.02E-30 | 131 |
| GCST90274824 | rs12602223 | T | C | 0.0681 | -0.2932 | 9.46E-33 | 142 |
| GCST90274824 | rs12602782 | T | C | 0.2105 | 0.0849  | 7.67E-09 | 33  |
| GCST90274824 | rs12603353 | T | G | 0.0721 | -0.293  | 4.15E-35 | 153 |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274824 | rs12603965 | T | C | 0.0915 | -0.2253 | 7.68E-28 | 120 |
| GCST90274824 | rs9889296  | A | G | 0.2833 | 0.1017  | 1.94E-15 | 63  |
| GCST90274824 | rs9889846  | T | G | 0.1724 | -0.1479 | 4.18E-22 | 93  |
| GCST90274824 | rs9893808  | T | C | 0.2043 | 0.1649  | 2.31E-30 | 131 |
| GCST90274824 | rs9896676  | T | C | 0.172  | -0.1482 | 3.45E-22 | 94  |
| GCST90274824 | rs9897821  | C | G | 0.8302 | 0.139   | 3.03E-19 | 80  |
| GCST90274824 | rs9902605  | A | G | 0.9165 | -0.2001 | 1.59E-21 | 91  |
| GCST90274824 | rs9906713  | A | T | 0.8241 | 0.1393  | 4.98E-20 | 84  |
| GCST90274824 | rs9907136  | T | C | 0.6418 | 0.0758  | 5.19E-10 | 39  |
| GCST90274824 | rs212458   | T | C | 0.2504 | -0.0747 | 1.95E-08 | 32  |
| GCST90274824 | rs212459   | A | T | 0.7494 | 0.0746  | 2.03E-08 | 31  |
| GCST90274824 | rs212460   | A | G | 0.768  | 0.0871  | 2.05E-10 | 40  |
| GCST90274824 | rs212461   | A | G | 0.2506 | -0.0746 | 2.03E-08 | 31  |
| GCST90274824 | rs212462   | A | G | 0.7494 | 0.0744  | 2.22E-08 | 31  |
| GCST90274824 | rs2737231  | A | G | 0.6986 | -0.1036 | 5.79E-16 | 66  |
| GCST90274824 | rs2737234  | A | G | 0.6535 | -0.0958 | 6.77E-15 | 61  |
| GCST90274824 | rs2737237  | A | T | 0.7134 | -0.1054 | 3.62E-13 | 53  |
| GCST90274824 | rs2737239  | A | G | 0.654  | -0.0954 | 8.76E-15 | 60  |
| GCST90274824 | rs2737240  | A | G | 0.7161 | -0.1039 | 2.17E-15 | 63  |
| GCST90274824 | rs2737241  | A | G | 0.3458 | 0.0914  | 4.23E-14 | 57  |
| GCST90274824 | rs2737242  | T | C | 0.6541 | -0.0913 | 4.51E-14 | 57  |
| GCST90274824 | rs2737243  | C | G | 0.3455 | 0.0903  | 8.47E-14 | 56  |
| GCST90274824 | rs212475   | A | C | 0.7496 | 0.0742  | 2.42E-08 | 31  |
| GCST90274824 | rs212476   | T | G | 0.2508 | -0.0743 | 2.32E-08 | 31  |
| GCST90274824 | rs212477   | T | C | 0.7492 | 0.0749  | 1.79E-08 | 32  |
| GCST90274824 | rs212479   | A | G | 0.7493 | 0.0745  | 2.13E-08 | 31  |
| GCST90274824 | rs212480   | T | C | 0.2508 | -0.0738 | 2.88E-08 | 31  |
| GCST90274824 | rs212481   | T | G | 0.7491 | 0.0741  | 2.53E-08 | 31  |
| GCST90274824 | rs212482   | T | C | 0.7491 | 0.0745  | 2.13E-08 | 31  |
| GCST90274824 | rs212483   | T | C | 0.7493 | 0.0752  | 1.57E-08 | 32  |
| GCST90274824 | rs212484   | A | T | 0.2519 | -0.0754 | 1.43E-08 | 32  |

|              |            |   |   |        |         |          |    |
|--------------|------------|---|---|--------|---------|----------|----|
| GCST90274824 | rs704912   | A | G | 0.6317 | 0.0679  | 2.00E-08 | 31 |
| GCST90274824 | rs714910   | A | C | 0.7141 | -0.0956 | 1.25E-13 | 55 |
| GCST90274824 | rs71508456 | T | C | 0.7644 | -0.0811 | 1.89E-09 | 36 |
| GCST90274824 | rs7208715  | T | C | 0.9168 | -0.1989 | 2.76E-21 | 90 |
| GCST90274824 | rs720928   | A | G | 0.2343 | 0.0981  | 1.17E-12 | 51 |
| GCST90274824 | rs7210176  | A | G | 0.1834 | -0.133  | 7.54E-19 | 79 |
| GCST90274824 | rs7210316  | T | G | 0.7162 | -0.102  | 1.60E-15 | 64 |
| GCST90274824 | rs7210639  | T | C | 0.8133 | 0.1377  | 2.43E-20 | 85 |
| GCST90274824 | rs7213556  | A | C | 0.8135 | 0.1372  | 3.32E-20 | 85 |
| GCST90274824 | rs7214171  | A | G | 0.9167 | -0.1993 | 2.30E-21 | 90 |
| GCST90274824 | rs7216682  | A | G | 0.0727 | 0.127   | 4.40E-08 | 30 |
| GCST90274824 | rs7217519  | A | G | 0.2536 | 0.0814  | 2.16E-09 | 36 |
| GCST90274824 | rs7218441  | C | G | 0.9492 | 0.1628  | 1.89E-09 | 36 |
| GCST90274824 | rs7222525  | A | G | 0.5507 | 0.0678  | 1.22E-08 | 32 |
| GCST90274824 | rs7223422  | T | C | 0.0838 | 0.1954  | 8.82E-21 | 87 |
| GCST90274824 | rs7223451  | T | C | 0.0836 | 0.1953  | 1.40E-20 | 86 |
| GCST90274824 | rs7224013  | A | G | 0.084  | 0.1872  | 7.18E-19 | 79 |
| GCST90274824 | rs72713693 | C | G | 0.1792 | -0.1015 | 1.79E-11 | 45 |
| GCST90274824 | rs727581   | T | C | 0.6593 | -0.0946 | 1.46E-14 | 59 |
| GCST90274824 | rs727582   | A | G | 0.6625 | -0.0923 | 9.80E-14 | 55 |
| GCST90274824 | rs72825006 | C | G | 0.9821 | -0.3347 | 1.98E-11 | 45 |
| GCST90274824 | rs72825010 | A | G | 0.0566 | -0.1994 | 1.09E-14 | 60 |
| GCST90274824 | rs72825017 | T | G | 0.0594 | -0.1997 | 1.77E-15 | 63 |
| GCST90274824 | rs72825029 | C | G | 0.0623 | -0.1721 | 2.15E-12 | 49 |
| GCST90274824 | rs72825033 | A | G | 0.0617 | -0.1722 | 2.09E-12 | 49 |
| GCST90274824 | rs72825034 | T | C | 0.0619 | -0.1705 | 3.42E-12 | 48 |
| GCST90274824 | rs72825036 | T | C | 0.0615 | -0.173  | 2.03E-12 | 49 |
| GCST90274824 | rs72825039 | T | C | 0.0621 | -0.1706 | 3.32E-12 | 48 |
| GCST90274824 | rs72825048 | A | G | 0.0509 | -0.1633 | 1.47E-09 | 37 |
| GCST90274824 | rs72825060 | A | G | 0.0511 | -0.1639 | 1.28E-09 | 37 |
| GCST90274824 | rs72825065 | A | G | 0.9489 | 0.1636  | 1.37E-09 | 37 |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274824 | rs72825077  | A | G | 0.051  | -0.1666 | 9.07E-10 | 38  |
| GCST90274824 | rs72827004  | C | G | 0.0462 | -0.2469 | 4.57E-15 | 61  |
| GCST90274824 | rs72827013  | A | G | 0.0675 | -0.295  | 3.92E-33 | 144 |
| GCST90274824 | rs72827014  | A | G | 0.947  | 0.3967  | 3.21E-49 | 217 |
| GCST90274824 | rs72827015  | A | C | 0.9483 | 0.3984  | 6.34E-49 | 216 |
| GCST90274824 | rs72827017  | T | C | 0.9473 | 0.3952  | 1.43E-49 | 219 |
| GCST90274824 | rs72827032  | A | C | 0.059  | -0.3619 | 1.49E-41 | 182 |
| GCST90274824 | rs72827040  | T | G | 0.0724 | -0.2872 | 1.57E-33 | 146 |
| GCST90274824 | rs72827046  | A | G | 0.8877 | 0.188   | 2.93E-24 | 103 |
| GCST90274824 | rs72827061  | C | G | 0.9546 | 0.3649  | 1.33E-35 | 155 |
| GCST90274824 | rs72827075  | A | G | 0.0792 | -0.255  | 8.97E-30 | 128 |
| GCST90274824 | rs72827094  | A | C | 0.0443 | -0.3035 | 9.22E-24 | 101 |
| GCST90274824 | rs729654    | T | C | 0.4509 | -0.0694 | 4.07E-09 | 35  |
| GCST90274824 | rs73070692  | A | G | 0.0221 | 0.2753  | 3.27E-11 | 44  |
| GCST90274824 | rs73074922  | A | G | 0.974  | -0.214  | 1.95E-08 | 32  |
| GCST90274824 | rs73085348  | A | G | 0.9815 | -0.2613 | 1.34E-08 | 32  |
| GCST90274824 | rs73286266  | T | C | 0.0833 | 0.1991  | 2.52E-21 | 90  |
| GCST90274824 | rs4795894   | T | C | 0.2819 | 0.0978  | 2.16E-14 | 58  |
| GCST90274824 | rs4795895   | A | G | 0.1823 | -0.1338 | 4.66E-19 | 80  |
| GCST90274824 | rs4795903   | T | C | 0.1834 | -0.1329 | 8.00E-19 | 78  |
| GCST90274824 | rs4795910   | T | G | 0.9125 | -0.1825 | 1.49E-17 | 73  |
| GCST90274824 | rs4876611   | A | G | 0.2706 | 0.1166  | 1.84E-18 | 77  |
| GCST90274824 | rs4876612   | T | C | 0.232  | 0.1018  | 2.41E-13 | 54  |
| GCST90274824 | rs503174    | A | G | 0.3975 | -0.0744 | 7.81E-10 | 38  |
| GCST90274824 | rs517650    | A | G | 0.3672 | -0.0711 | 5.61E-09 | 34  |
| GCST90274824 | rs532378821 | T | C | 0.0791 | 0.2052  | 6.59E-18 | 74  |
| GCST90274824 | rs545709438 | C | G | 0.8183 | 0.0923  | 2.22E-08 | 31  |
| GCST90274824 | rs554153805 | T | C | 0.9514 | 0.3926  | 2.61E-36 | 158 |
| GCST90274824 | rs556322895 | A | T | 0.1111 | -0.1363 | 1.28E-10 | 41  |
| GCST90274824 | rs55780214  | A | T | 0.2839 | 0.1058  | 6.14E-13 | 52  |
| GCST90274824 | rs55850020  | A | G | 0.9278 | 0.2876  | 3.67E-34 | 149 |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274824 | rs55891358 | A | G | 0.1651 | 0.111   | 2.14E-12 | 49  |
| GCST90274824 | rs55897449 | T | C | 0.0794 | -0.2572 | 1.62E-30 | 132 |
| GCST90274824 | rs55953307 | T | G | 0.1036 | 0.1135  | 3.39E-09 | 35  |
| GCST90274824 | rs56088753 | A | C | 0.8763 | -0.1184 | 1.73E-11 | 45  |
| GCST90274824 | rs56100872 | T | C | 0.0722 | -0.2877 | 3.49E-34 | 149 |
| GCST90274824 | rs56230846 | A | G | 0.8364 | -0.1121 | 2.45E-12 | 49  |
| GCST90274824 | rs56352612 | A | G | 0.1028 | 0.1128  | 5.08E-09 | 34  |
| GCST90274824 | rs565521   | T | C | 0.6252 | 0.0668  | 3.38E-08 | 30  |
| GCST90274824 | rs56859429 | T | G | 0.0634 | -0.1741 | 7.80E-13 | 51  |
| GCST90274824 | rs57097876 | A | G | 0.0721 | -0.2932 | 3.74E-35 | 153 |
| GCST90274824 | rs57174546 | A | G | 0.8763 | -0.1187 | 1.54E-11 | 45  |
| GCST90274824 | rs57723662 | C | G | 0.1823 | -0.1073 | 1.49E-11 | 46  |
| GCST90274824 | rs57826245 | A | G | 0.8764 | -0.1191 | 1.31E-11 | 46  |
| GCST90274824 | rs584233   | A | G | 0.4017 | -0.0724 | 2.18E-09 | 36  |
| GCST90274824 | rs58686460 | T | C | 0.8189 | 0.1148  | 4.66E-12 | 48  |
| GCST90274824 | rs59061740 | T | C | 0.938  | 0.169   | 6.42E-12 | 47  |
| GCST90274824 | rs59217866 | A | G | 0.9284 | 0.2858  | 1.74E-33 | 145 |
| GCST90274824 | rs75960180 | C | G | 0.0514 | -0.3978 | 1.95E-48 | 214 |
| GCST90274824 | rs760193   | T | C | 0.2497 | -0.1072 | 7.62E-16 | 65  |
| GCST90274824 | rs760194   | T | C | 0.7359 | 0.0951  | 8.65E-13 | 51  |
| GCST90274824 | rs7611888  | T | C | 0.7202 | 0.1207  | 1.62E-20 | 86  |
| GCST90274824 | rs7612912  | T | C | 0.6276 | 0.1281  | 1.33E-26 | 114 |
| GCST90274824 | rs76136459 | T | C | 0.017  | 0.3169  | 2.97E-10 | 40  |
| GCST90274824 | rs7614670  | A | G | 0.3282 | -0.1017 | 1.36E-16 | 68  |
| GCST90274824 | rs76179653 | A | T | 0.8875 | 0.1876  | 2.07E-24 | 104 |
| GCST90274824 | rs7623543  | A | C | 0.2502 | -0.1081 | 4.37E-16 | 66  |
| GCST90274824 | rs7630617  | T | C | 0.6719 | 0.1017  | 1.36E-16 | 68  |
| GCST90274824 | rs7634876  | A | G | 0.4577 | -0.0977 | 3.69E-17 | 71  |
| GCST90274824 | rs7641046  | A | G | 0.7305 | 0.0907  | 3.02E-12 | 49  |
| GCST90274824 | rs7647523  | T | C | 0.6331 | 0.1242  | 4.18E-25 | 107 |
| GCST90274824 | rs7648947  | A | G | 0.4575 | -0.0661 | 2.12E-08 | 31  |

|              |             |   |   |        |         |          |    |
|--------------|-------------|---|---|--------|---------|----------|----|
| GCST90274824 | rs76546294  | C | G | 0.1211 | -0.1234 | 1.20E-11 | 46 |
| GCST90274824 | rs76984433  | T | C | 0.1046 | -0.1183 | 4.78E-10 | 39 |
| GCST90274824 | rs77020867  | A | G | 0.8223 | 0.1156  | 2.84E-14 | 58 |
| GCST90274824 | rs77197551  | A | G | 0.282  | 0.0979  | 2.03E-14 | 58 |
| GCST90274824 | rs77349986  | A | G | 0.3759 | 0.0805  | 5.96E-11 | 43 |
| GCST90274824 | rs77569276  | C | G | 0.8171 | 0.1124  | 6.71E-14 | 56 |
| GCST90274824 | rs77731748  | A | G | 0.8968 | 0.1169  | 2.04E-09 | 36 |
| GCST90274824 | rs111858002 | T | C | 0.6928 | 0.1217  | 2.12E-22 | 95 |
| GCST90274824 | rs111871576 | A | C | 0.0728 | 0.1271  | 4.29E-08 | 30 |
| GCST90274824 | rs112242616 | T | C | 0.1251 | -0.1155 | 3.45E-10 | 39 |
| GCST90274824 | rs112362277 | T | C | 0.9268 | -0.1318 | 1.78E-08 | 32 |
| GCST90274824 | rs11265171  | A | G | 0.4593 | 0.0897  | 1.77E-14 | 59 |
| GCST90274824 | rs11265174  | A | T | 0.2006 | -0.1117 | 1.32E-14 | 59 |
| GCST90274824 | rs11265177  | A | G | 0.8043 | 0.1088  | 9.19E-14 | 56 |
| GCST90274824 | rs11265178  | A | C | 0.46   | 0.0911  | 6.90E-15 | 61 |
| GCST90274824 | rs11265179  | T | C | 0.8027 | 0.1038  | 2.32E-12 | 49 |
| GCST90274824 | rs11265180  | C | G | 0.1359 | -0.1076 | 6.25E-10 | 38 |
| GCST90274824 | rs11265185  | T | G | 0.8781 | 0.1269  | 7.53E-13 | 51 |
| GCST90274824 | rs11265186  | T | C | 0.1219 | -0.127  | 7.22E-13 | 51 |
| GCST90274824 | rs11265187  | T | C | 0.1217 | -0.1272 | 6.65E-13 | 52 |
| GCST90274824 | rs11265190  | A | G | 0.6309 | 0.0792  | 4.11E-11 | 44 |
| GCST90274824 | rs11265191  | T | C | 0.3449 | -0.0741 | 9.13E-10 | 38 |
| GCST90274824 | rs11265193  | T | G | 0.122  | -0.1244 | 2.09E-12 | 49 |
| GCST90274824 | rs11265194  | T | G | 0.6949 | 0.0786  | 4.43E-10 | 39 |
| GCST90274824 | rs11265196  | A | G | 0.632  | 0.0811  | 1.40E-11 | 46 |
| GCST90274824 | rs11265199  | T | C | 0.6309 | 0.0811  | 1.40E-11 | 46 |
| GCST90274824 | rs11265200  | T | G | 0.6323 | 0.0806  | 1.86E-11 | 45 |
| GCST90274824 | rs11265204  | A | G | 0.4621 | -0.078  | 3.84E-11 | 44 |
| GCST90274824 | rs11265206  | T | C | 0.8791 | 0.1242  | 8.84E-12 | 47 |
| GCST90274824 | rs11265218  | T | C | 0.8787 | 0.1201  | 4.14E-11 | 44 |
| GCST90274824 | rs11265230  | A | G | 0.838  | 0.1126  | 2.68E-12 | 49 |

|              |             |   |   |        |         |          |    |
|--------------|-------------|---|---|--------|---------|----------|----|
| GCST90274824 | rs11265231  | A | G | 0.8375 | 0.1163  | 7.02E-13 | 52 |
| GCST90274824 | rs1129844   | A | G | 0.1782 | -0.0997 | 5.41E-11 | 43 |
| GCST90274824 | rs113202649 | T | C | 0.9162 | -0.1867 | 8.88E-19 | 78 |
| GCST90274824 | rs113215162 | C | G | 0.9199 | -0.2027 | 1.20E-17 | 73 |
| GCST90274824 | rs113342836 | T | C | 0.9354 | 0.1456  | 1.78E-09 | 36 |
| GCST90274824 | rs113900419 | T | G | 0.8282 | 0.1506  | 1.38E-22 | 96 |
| GCST90274824 | rs11575056  | A | G | 0.9336 | -0.1438 | 7.69E-09 | 33 |
| GCST90274824 | rs11582600  | T | C | 0.5364 | 0.0754  | 1.66E-10 | 41 |
| GCST90274824 | rs115936758 | T | C | 0.0812 | -0.1341 | 1.33E-08 | 32 |
| GCST90274824 | rs11650483  | A | C | 0.8305 | -0.1132 | 2.05E-12 | 49 |
| GCST90274824 | rs11650771  | T | C | 0.8283 | 0.1467  | 1.64E-21 | 91 |
| GCST90274824 | rs11651133  | T | C | 0.8162 | 0.133   | 3.54E-18 | 76 |
| GCST90274824 | rs11652256  | A | G | 0.0319 | 0.2025  | 1.28E-08 | 32 |
| GCST90274824 | rs11652342  | A | G | 0.1005 | 0.1628  | 2.72E-15 | 62 |
| GCST90274824 | rs11652429  | C | G | 0.3311 | 0.0933  | 5.30E-14 | 57 |
| GCST90274824 | rs11652462  | A | G | 0.3306 | 0.0932  | 5.64E-14 | 56 |
| GCST90274824 | rs11652585  | T | G | 0.0819 | 0.1985  | 1.17E-20 | 87 |
| GCST90274824 | rs11655679  | A | C | 0.6985 | -0.0907 | 2.05E-12 | 49 |
| GCST90274824 | rs11658512  | A | T | 0.3306 | 0.0931  | 6.00E-14 | 56 |
| GCST90274824 | rs11710120  | T | C | 0.5419 | 0.0945  | 3.74E-16 | 66 |
| GCST90274824 | rs11715464  | A | G | 0.5931 | -0.0888 | 8.51E-14 | 56 |
| GCST90274824 | rs800555    | C | G | 0.7645 | -0.0805 | 2.48E-09 | 36 |
| GCST90274824 | rs800556    | A | G | 0.2353 | 0.0803  | 2.71E-09 | 35 |
| GCST90274824 | rs800558    | T | C | 0.7929 | -0.0777 | 4.45E-08 | 30 |
| GCST90274824 | rs800559    | A | C | 0.2358 | 0.0809  | 2.07E-09 | 36 |
| GCST90274824 | rs800560    | C | G | 0.2072 | 0.0776  | 4.63E-08 | 30 |
| GCST90274824 | rs800562    | T | C | 0.765  | -0.0973 | 1.78E-12 | 50 |
| GCST90274824 | rs800566    | A | G | 0.2295 | 0.1012  | 4.88E-13 | 52 |
| GCST90274824 | rs800571    | T | C | 0.238  | 0.088   | 9.76E-11 | 42 |
| GCST90274824 | rs4683338   | A | G | 0.7202 | 0.1198  | 3.10E-20 | 85 |
| GCST90274824 | rs4683339   | T | C | 0.3844 | -0.1159 | 8.96E-19 | 78 |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274824 | rs4683340  | T | C | 0.3652 | -0.1191 | 1.83E-19 | 81  |
| GCST90274824 | rs4683341  | T | C | 0.3625 | -0.1268 | 6.42E-25 | 106 |
| GCST90274824 | rs4683342  | C | G | 0.3072 | -0.1234 | 2.56E-22 | 94  |
| GCST90274824 | rs4683344  | C | G | 0.3077 | -0.1201 | 7.40E-22 | 92  |
| GCST90274824 | rs4683345  | A | G | 0.3669 | -0.1257 | 1.13E-25 | 110 |
| GCST90274824 | rs4683346  | T | C | 0.6881 | 0.1218  | 9.00E-23 | 96  |
| GCST90274824 | rs4683355  | T | C | 0.4508 | -0.0694 | 4.07E-09 | 35  |
| GCST90274824 | rs4683356  | T | C | 0.5492 | 0.0678  | 9.15E-09 | 33  |
| GCST90274824 | rs476336   | T | C | 0.3677 | -0.0692 | 1.07E-08 | 33  |
| GCST90274824 | rs4794994  | T | G | 0.1718 | -0.1499 | 2.16E-22 | 95  |
| GCST90274824 | rs4794995  | A | G | 0.1717 | -0.1501 | 1.90E-22 | 95  |
| GCST90274824 | rs4795884  | A | G | 0.5025 | -0.1146 | 2.77E-21 | 90  |
| GCST90274824 | rs4795885  | A | G | 0.8016 | 0.0938  | 8.75E-10 | 38  |
| GCST90274824 | rs4795893  | A | G | 0.364  | 0.1532  | 2.52E-37 | 163 |
| GCST90274824 | rs2028036  | A | T | 0.0792 | -0.256  | 5.40E-30 | 129 |
| GCST90274824 | rs2049870  | T | C | 0.3464 | 0.0897  | 1.23E-13 | 55  |
| GCST90274824 | rs73288017 | A | C | 0.9145 | -0.1859 | 3.72E-18 | 75  |
| GCST90274824 | rs73288029 | A | G | 0.0792 | 0.1978  | 1.48E-18 | 77  |
| GCST90274824 | rs12604063 | A | G | 0.125  | 0.1195  | 1.12E-11 | 46  |
| GCST90274824 | rs12635458 | C | G | 0.6928 | 0.121   | 3.67E-22 | 94  |
| GCST90274824 | rs12639142 | T | C | 0.2607 | -0.0936 | 9.00E-13 | 51  |
| GCST90274824 | rs12682033 | T | C | 0.2364 | 0.099   | 7.29E-13 | 51  |
| GCST90274824 | rs12741297 | A | G | 0.5373 | 0.0759  | 1.26E-10 | 41  |
| GCST90274824 | rs12937021 | A | G | 0.1858 | -0.1075 | 7.68E-13 | 51  |
| GCST90274824 | rs12941422 | T | C | 0.3309 | 0.0934  | 3.11E-14 | 58  |
| GCST90274824 | rs12942107 | A | G | 0.3794 | -0.1269 | 2.44E-25 | 108 |
| GCST90274824 | rs12943279 | T | C | 0.2817 | 0.0977  | 2.30E-14 | 58  |
| GCST90274824 | rs12953237 | T | C | 0.2409 | -0.1488 | 7.32E-28 | 120 |
| GCST90274824 | rs13060954 | A | G | 0.2813 | -0.1197 | 6.40E-20 | 83  |
| GCST90274824 | rs13068366 | A | G | 0.3267 | -0.1012 | 1.91E-16 | 68  |
| GCST90274824 | rs13068402 | T | C | 0.6921 | 0.1232  | 2.99E-22 | 94  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274824 | rs13070029  | T | C | 0.256  | -0.097  | 9.87E-13 | 51  |
| GCST90274824 | rs13093968  | A | G | 0.4083 | 0.0961  | 1.99E-15 | 63  |
| GCST90274824 | rs13096498  | A | G | 0.7317 | 0.0919  | 1.56E-12 | 50  |
| GCST90274824 | rs13096936  | A | G | 0.718  | 0.0826  | 7.08E-10 | 38  |
| GCST90274824 | rs13277568  | A | G | 0.626  | -0.0711 | 5.61E-09 | 34  |
| GCST90274824 | rs13280592  | C | G | 0.2749 | 0.0879  | 3.87E-11 | 44  |
| GCST90274824 | rs1366045   | T | C | 0.6304 | 0.1263  | 6.63E-26 | 111 |
| GCST90274824 | rs1366046   | A | C | 0.6299 | 0.1265  | 5.55E-26 | 111 |
| GCST90274824 | rs1367954   | T | C | 0.0725 | -0.2865 | 3.45E-34 | 149 |
| GCST90274824 | rs138372834 | A | G | 0.0834 | 0.187   | 1.14E-18 | 78  |
| GCST90274824 | rs13900     | T | C | 0.2802 | 0.0974  | 4.34E-14 | 57  |
| GCST90274824 | rs139285797 | T | C | 0.379  | -0.1176 | 9.17E-18 | 74  |
| GCST90274824 | rs139365147 | T | C | 0.9303 | 0.293   | 1.50E-34 | 150 |
| GCST90274824 | rs13962     | A | G | 0.1737 | 0.0983  | 3.19E-09 | 35  |
| GCST90274824 | rs60274937  | C | G | 0.0765 | 0.138   | 8.61E-10 | 38  |
| GCST90274824 | rs60319976  | A | G | 0.0685 | -0.2895 | 5.69E-32 | 138 |
| GCST90274824 | rs60376046  | T | G | 0.9318 | 0.2854  | 6.99E-31 | 134 |
| GCST90274824 | rs60699531  | T | C | 0.9215 | 0.1438  | 2.38E-10 | 40  |
| GCST90274824 | rs61578494  | C | G | 0.0674 | -0.1675 | 1.95E-12 | 50  |
| GCST90274824 | rs61821477  | T | G | 0.2815 | -0.0747 | 7.01E-09 | 34  |
| GCST90274824 | rs2005314   | T | C | 0.2219 | 0.0959  | 2.74E-11 | 44  |
| GCST90274824 | rs2005792   | A | G | 0.7528 | 0.1428  | 3.78E-26 | 112 |
| GCST90274824 | rs2017629   | A | G | 0.0842 | 0.1986  | 3.16E-21 | 89  |
| GCST90274824 | rs4575080   | T | C | 0.3086 | -0.0847 | 2.60E-10 | 40  |
| GCST90274824 | rs4586      | T | C | 0.6342 | -0.1488 | 2.61E-35 | 154 |
| GCST90274824 | rs3815341   | A | G | 0.0509 | -0.1613 | 2.65E-09 | 35  |
| GCST90274824 | rs3843369   | T | C | 0.2656 | -0.0943 | 4.05E-13 | 53  |
| GCST90274824 | rs4656230   | T | G | 0.1215 | -0.127  | 9.69E-13 | 51  |
| GCST90274824 | rs4656232   | A | G | 0.1214 | -0.1278 | 6.98E-13 | 52  |
| GCST90274824 | rs4656235   | T | C | 0.6331 | 0.0793  | 3.89E-11 | 44  |
| GCST90274824 | rs4656236   | A | G | 0.2592 | 0.0969  | 1.39E-13 | 55  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274824 | rs4656237   | T | C | 0.8775 | 0.1254  | 1.86E-12 | 50  |
| GCST90274824 | rs4656784   | A | G | 0.7829 | -0.0961 | 1.81E-11 | 45  |
| GCST90274824 | rs4656820   | T | C | 0.8783 | 0.1284  | 5.45E-13 | 52  |
| GCST90274824 | rs4656821   | T | G | 0.8782 | 0.1276  | 5.63E-13 | 52  |
| GCST90274824 | rs4656826   | A | C | 0.1228 | -0.1247 | 2.46E-12 | 49  |
| GCST90274824 | rs4682858   | A | T | 0.2829 | -0.1202 | 2.33E-20 | 85  |
| GCST90274824 | rs4682859   | A | G | 0.7216 | 0.1224  | 9.32E-21 | 87  |
| GCST90274824 | rs4682860   | A | G | 0.4094 | 0.0972  | 1.62E-15 | 63  |
| GCST90274824 | rs4682861   | A | G | 0.7084 | 0.1127  | 2.41E-18 | 76  |
| GCST90274824 | rs4682862   | A | G | 0.6152 | 0.1236  | 4.02E-24 | 103 |
| GCST90274824 | rs4682863   | A | G | 0.6113 | 0.1237  | 1.56E-24 | 105 |
| GCST90274824 | rs4682866   | A | T | 0.6933 | 0.1212  | 3.14E-22 | 94  |
| GCST90274824 | rs4682867   | T | C | 0.3615 | -0.1238 | 1.43E-24 | 105 |
| GCST90274824 | rs4682869   | T | C | 0.6728 | 0.104   | 8.80E-17 | 69  |
| GCST90274824 | rs4683332   | T | C | 0.2695 | -0.0925 | 7.47E-13 | 51  |
| GCST90274824 | rs4683335   | T | C | 0.2699 | -0.0962 | 3.15E-13 | 53  |
| GCST90274824 | rs4683337   | A | T | 0.7119 | 0.114   | 1.80E-18 | 77  |
| GCST90274824 | rs212474    | A | C | 0.7495 | 0.0745  | 2.13E-08 | 31  |
| GCST90274824 | rs6771233   | T | G | 0.3276 | -0.1024 | 8.42E-17 | 69  |
| GCST90274824 | rs6774801   | T | G | 0.3295 | -0.1058 | 2.58E-17 | 72  |
| GCST90274824 | rs6779561   | T | C | 0.2704 | -0.0942 | 4.29E-13 | 53  |
| GCST90274824 | rs702771    | T | C | 0.7663 | -0.087  | 1.58E-10 | 41  |
| GCST90274824 | rs702772    | A | G | 0.7667 | -0.0886 | 7.28E-11 | 42  |
| GCST90274824 | rs140031163 | A | G | 0.8215 | 0.1142  | 1.31E-12 | 50  |
| GCST90274824 | rs4446959   | T | C | 0.6935 | 0.0791  | 6.42E-10 | 38  |
| GCST90274824 | rs4451998   | A | T | 0.621  | -0.0821 | 1.70E-11 | 45  |
| GCST90274824 | rs4492615   | T | C | 0.8777 | 0.1236  | 2.89E-12 | 49  |
| GCST90274824 | rs4514724   | T | C | 0.8273 | 0.1492  | 1.82E-22 | 95  |
| GCST90274824 | rs4517343   | A | G | 0.6928 | 0.0788  | 7.45E-10 | 38  |
| GCST90274824 | rs4537549   | C | G | 0.693  | 0.0792  | 6.11E-10 | 38  |
| GCST90274824 | rs4551589   | A | T | 0.1224 | -0.1299 | 3.74E-12 | 48  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274824 | rs4552063  | T | G | 0.8239 | 0.1422  | 4.29E-18 | 75  |
| GCST90274824 | rs62054939 | T | C | 0.8169 | 0.1203  | 1.06E-15 | 64  |
| GCST90274824 | rs62056376 | A | C | 0.1381 | -0.1384 | 7.53E-15 | 60  |
| GCST90274824 | rs4614780  | C | G | 0.1775 | -0.142  | 4.78E-18 | 75  |
| GCST90274824 | rs4656165  | C | G | 0.206  | 0.0921  | 4.88E-10 | 39  |
| GCST90274824 | rs2079663  | A | G | 0.7342 | -0.0886 | 1.36E-10 | 41  |
| GCST90274824 | rs2081811  | A | G | 0.7573 | 0.1021  | 9.15E-14 | 56  |
| GCST90274824 | rs2098046  | A | G | 0.8157 | 0.1322  | 1.21E-18 | 78  |
| GCST90274824 | rs2099022  | A | G | 0.3079 | -0.1209 | 3.97E-22 | 94  |
| GCST90274824 | rs210837   | A | G | 0.0967 | -0.1959 | 4.90E-22 | 93  |
| GCST90274824 | rs2114883  | A | G | 0.6325 | 0.1255  | 1.34E-25 | 109 |
| GCST90274824 | rs212455   | T | C | 0.7569 | 0.0775  | 9.43E-09 | 33  |
| GCST90274824 | rs212456   | A | T | 0.7569 | 0.077   | 1.17E-08 | 33  |
| GCST90274824 | rs212457   | A | G | 0.7572 | 0.0774  | 9.85E-09 | 33  |
| GCST90274824 | rs6676002  | T | C | 0.1736 | 0.1007  | 8.21E-11 | 42  |
| GCST90274824 | rs6677678  | T | C | 0.3069 | -0.0789 | 7.09E-10 | 38  |
| GCST90274824 | rs6687840  | T | C | 0.3068 | -0.0796 | 5.01E-10 | 39  |
| GCST90274824 | rs66878670 | A | C | 0.331  | 0.0938  | 2.42E-14 | 58  |
| GCST90274824 | rs66915117 | A | G | 0.2416 | -0.1051 | 1.70E-14 | 59  |
| GCST90274824 | rs212463   | A | G | 0.2506 | -0.0746 | 2.03E-08 | 31  |
| GCST90274824 | rs212464   | A | G | 0.7494 | 0.0745  | 2.13E-08 | 31  |
| GCST90274824 | rs212467   | A | T | 0.2504 | -0.0745 | 2.13E-08 | 31  |
| GCST90274824 | rs212468   | T | C | 0.7498 | 0.0753  | 1.50E-08 | 32  |
| GCST90274824 | rs212470   | T | C | 0.7493 | 0.0746  | 2.03E-08 | 31  |
| GCST90274824 | rs212471   | T | C | 0.7499 | 0.0744  | 2.22E-08 | 31  |
| GCST90274824 | rs212473   | A | G | 0.2505 | -0.0743 | 2.32E-08 | 31  |
| GCST90274824 | rs800506   | T | C | 0.7271 | -0.0925 | 2.84E-11 | 44  |
| GCST90274824 | rs800507   | T | G | 0.7646 | -0.0888 | 6.60E-11 | 43  |
| GCST90274824 | rs800508   | A | C | 0.7581 | -0.0868 | 9.32E-11 | 42  |
| GCST90274824 | rs800509   | A | C | 0.2417 | 0.087   | 8.44E-11 | 42  |
| GCST90274824 | rs800510   | A | G | 0.7583 | -0.0876 | 6.26E-11 | 43  |

|              |            |   |   |        |         |          |    |
|--------------|------------|---|---|--------|---------|----------|----|
| GCST90274824 | rs800511   | A | C | 0.7667 | -0.0885 | 7.65E-11 | 42 |
| GCST90274824 | rs702773   | A | C | 0.7422 | -0.0906 | 4.64E-12 | 48 |
| GCST90274824 | rs702774   | A | G | 0.7672 | -0.0885 | 7.65E-11 | 42 |
| GCST90274824 | rs702775   | A | G | 0.7667 | -0.0886 | 7.28E-11 | 42 |
| GCST90274824 | rs704891   | T | C | 0.259  | -0.0997 | 1.00E-13 | 55 |
| GCST90274824 | rs704893   | T | C | 0.7419 | 0.1004  | 6.76E-14 | 56 |
| GCST90274824 | rs704898   | A | G | 0.2602 | -0.1028 | 1.70E-14 | 59 |
| GCST90274824 | rs704901   | A | G | 0.2581 | -0.1001 | 8.01E-14 | 56 |
| GCST90274824 | rs800533   | T | C | 0.764  | -0.081  | 1.97E-09 | 36 |
| GCST90274824 | rs61821493 | A | T | 0.2589 | 0.0971  | 1.89E-13 | 54 |
| GCST90274824 | rs800535   | T | G | 0.2695 | 0.0865  | 2.86E-11 | 44 |
| GCST90274824 | rs800536   | A | T | 0.2696 | 0.0864  | 2.12E-11 | 45 |
| GCST90274824 | rs62056378 | A | G | 0.184  | -0.1207 | 6.86E-15 | 61 |
| GCST90274824 | rs2049874  | A | G | 0.3467 | 0.0901  | 9.60E-14 | 55 |
| GCST90274824 | rs800539   | A | G | 0.762  | -0.0884 | 5.83E-11 | 43 |
| GCST90274824 | rs800540   | A | C | 0.2317 | 0.0897  | 4.24E-11 | 44 |
| GCST90274824 | rs800541   | T | G | 0.7571 | -0.0859 | 1.45E-10 | 41 |
| GCST90274824 | rs800542   | T | C | 0.762  | -0.0868 | 1.74E-10 | 41 |
| GCST90274824 | rs800544   | A | G | 0.233  | 0.0883  | 8.43E-11 | 42 |
| GCST90274824 | rs800545   | A | G | 0.2546 | 0.0948  | 6.88E-13 | 52 |
| GCST90274824 | rs800546   | A | C | 0.7453 | -0.0946 | 7.68E-13 | 51 |
| GCST90274824 | rs800547   | T | G | 0.2333 | 0.0887  | 6.93E-11 | 43 |
| GCST90274824 | rs800548   | A | G | 0.7429 | -0.0932 | 1.66E-12 | 50 |
| GCST90274824 | rs800549   | A | G | 0.7368 | -0.0935 | 6.37E-13 | 52 |
| GCST90274824 | rs800550   | A | T | 0.7366 | -0.0945 | 3.62E-13 | 53 |
| GCST90274824 | rs800551   | C | G | 0.2553 | 0.0948  | 6.88E-13 | 52 |
| GCST90274824 | rs800552   | T | G | 0.7666 | -0.0877 | 1.13E-10 | 42 |
| GCST90274824 | rs800553   | T | C | 0.2332 | 0.0877  | 1.13E-10 | 42 |
| GCST90274824 | rs800554   | T | C | 0.2416 | 0.0872  | 7.64E-11 | 42 |
| GCST90274824 | rs78879802 | A | T | 0.1223 | -0.1247 | 1.85E-12 | 50 |
| GCST90274824 | rs79330355 | A | G | 0.8213 | 0.1162  | 1.41E-14 | 59 |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274824 | rs79433881 | T | C | 0.1228 | -0.1243 | 2.18E-12 | 49  |
| GCST90274824 | rs79508328 | A | G | 0.8787 | 0.1296  | 3.32E-13 | 53  |
| GCST90274824 | rs79722574 | T | C | 0.167  | -0.1076 | 7.21E-12 | 47  |
| GCST90274824 | rs800505   | C | G | 0.7472 | -0.0886 | 1.35E-08 | 32  |
| GCST90274824 | rs4299196  | T | C | 0.1717 | -0.149  | 2.06E-22 | 95  |
| GCST90274824 | rs4326616  | A | G | 0.1222 | -0.1252 | 2.01E-12 | 49  |
| GCST90274824 | rs4328493  | A | G | 0.6691 | -0.0947 | 1.37E-14 | 59  |
| GCST90274824 | rs4340374  | A | G | 0.8241 | 0.1405  | 2.39E-20 | 85  |
| GCST90274824 | rs4360519  | A | G | 0.3053 | -0.0781 | 5.70E-10 | 38  |
| GCST90274824 | rs4399156  | A | G | 0.1216 | -0.1281 | 6.17E-13 | 52  |
| GCST90274824 | rs800512   | T | C | 0.7681 | -0.0888 | 9.07E-11 | 42  |
| GCST90274824 | rs800514   | A | T | 0.7668 | -0.0885 | 7.65E-11 | 42  |
| GCST90274824 | rs800516   | A | G | 0.2333 | 0.0885  | 7.65E-11 | 42  |
| GCST90274824 | rs800517   | A | G | 0.7583 | -0.0871 | 8.03E-11 | 42  |
| GCST90274824 | rs800518   | T | C | 0.7582 | -0.0877 | 5.96E-11 | 43  |
| GCST90274824 | rs800519   | A | G | 0.2566 | 0.0914  | 3.01E-12 | 49  |
| GCST90274824 | rs800521   | A | C | 0.2386 | 0.0884  | 5.83E-11 | 43  |
| GCST90274824 | rs800532   | A | G | 0.2353 | 0.0828  | 1.14E-09 | 37  |
| GCST90274824 | rs800534   | T | C | 0.7302 | -0.0873 | 1.31E-11 | 46  |
| GCST90274824 | rs3919627  | A | G | 0.3645 | -0.1245 | 3.22E-25 | 108 |
| GCST90274824 | rs408121   | A | G | 0.3649 | 0.0857  | 1.03E-11 | 46  |
| GCST90274824 | rs800537   | T | C | 0.7478 | -0.0848 | 1.33E-10 | 41  |
| GCST90274824 | rs800538   | A | G | 0.2373 | 0.088   | 9.76E-11 | 42  |
| GCST90274824 | rs62056379 | A | C | 0.1855 | -0.1187 | 1.89E-14 | 59  |
| GCST90274824 | rs62056381 | T | C | 0.1905 | -0.1138 | 1.47E-13 | 55  |
| GCST90274824 | rs62062334 | A | G | 0.0576 | -0.1981 | 2.67E-13 | 53  |
| GCST90274824 | rs3845622  | A | C | 0.1245 | -0.1493 | 9.10E-13 | 51  |
| GCST90274824 | rs3846063  | T | G | 0.2584 | -0.0956 | 4.41E-13 | 52  |
| GCST90274824 | rs3917878  | T | C | 0.0846 | 0.1871  | 3.49E-19 | 80  |
| GCST90274824 | rs3917900  | A | G | 0.6401 | 0.1557  | 1.70E-38 | 168 |
| GCST90274824 | rs3917902  | T | G | 0.0522 | -0.1679 | 2.62E-09 | 35  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274824 | rs3917903  | C | G | 0.0524 | -0.1639 | 6.17E-09 | 34  |
| GCST90274824 | rs6702853  | A | T | 0.305  | -0.0801 | 3.90E-10 | 39  |
| GCST90274824 | rs6703348  | C | G | 0.743  | -0.0975 | 1.51E-13 | 55  |
| GCST90274824 | rs77786372 | A | G | 0.9219 | -0.1339 | 9.10E-09 | 33  |
| GCST90274824 | rs78115470 | C | G | 0.962  | -0.2148 | 2.99E-10 | 40  |
| GCST90274824 | rs78188167 | A | G | 0.0517 | -0.3931 | 2.43E-47 | 209 |
| GCST90274824 | rs7834801  | T | C | 0.2451 | 0.086   | 1.38E-10 | 41  |
| GCST90274824 | rs41338755 | A | G | 0.0445 | -0.3845 | 1.40E-38 | 169 |
| GCST90274824 | rs41509752 | A | G | 0.0838 | 0.1835  | 4.90E-18 | 75  |
| GCST90274824 | rs4261112  | T | C | 0.6291 | 0.0882  | 5.55E-12 | 47  |
| GCST90274824 | rs4262996  | T | C | 0.5568 | 0.0807  | 1.19E-11 | 46  |
| GCST90274824 | rs4269772  | T | C | 0.8045 | 0.1126  | 1.86E-14 | 59  |
| GCST90274824 | rs4290055  | T | C | 0.1226 | -0.1298 | 2.98E-12 | 49  |
| GCST90274824 | rs6701545  | T | C | 0.6964 | 0.0796  | 5.01E-10 | 39  |
| GCST90274824 | rs6505403  | T | C | 0.8186 | 0.1344  | 3.25E-19 | 80  |
| GCST90274824 | rs660324   | A | G | 0.3668 | -0.069  | 1.18E-08 | 33  |
| GCST90274824 | rs67224687 | T | G | 0.7088 | 0.1135  | 1.39E-18 | 77  |
| GCST90274824 | rs6764909  | A | G | 0.4575 | -0.0937 | 6.61E-16 | 65  |
| GCST90274824 | rs41274294 | T | C | 0.9685 | -0.2029 | 1.45E-08 | 32  |
| GCST90274824 | rs4400605  | T | C | 0.6932 | 0.0789  | 7.09E-10 | 38  |
| GCST90274824 | rs4402126  | T | C | 0.1997 | -0.1122 | 1.01E-14 | 60  |
| GCST90274824 | rs4405137  | A | G | 0.4634 | -0.0758 | 1.33E-10 | 41  |
| GCST90274824 | rs4409648  | A | G | 0.3724 | -0.0799 | 1.88E-09 | 36  |
| GCST90274824 | rs4443888  | T | G | 0.523  | 0.0808  | 7.52E-12 | 47  |
| GCST90274824 | rs6442067  | T | C | 0.7286 | 0.0932  | 5.02E-13 | 52  |
| GCST90274824 | rs6469601  | T | C | 0.6389 | 0.0723  | 4.15E-09 | 35  |
| GCST90274824 | rs6505402  | A | G | 0.364  | 0.1527  | 4.29E-37 | 162 |
| GCST90274824 | rs6695441  | C | G | 0.7399 | 0.0818  | 5.76E-10 | 38  |
| GCST90274824 | rs4128725  | T | C | 0.8781 | 0.1244  | 2.09E-12 | 49  |
| GCST90274824 | rs6656828  | T | C | 0.6283 | 0.086   | 3.71E-11 | 44  |
| GCST90274824 | rs6656924  | A | T | 0.3704 | -0.0864 | 3.01E-11 | 44  |

|              |             |   |   |        |         |          |    |
|--------------|-------------|---|---|--------|---------|----------|----|
| GCST90274824 | rs62247065  | A | G | 0.3859 | -0.0665 | 3.00E-08 | 31 |
| GCST90274824 | rs4130236   | T | C | 0.2816 | -0.0743 | 1.41E-08 | 32 |
| GCST90274824 | rs6692609   | T | C | 0.6932 | 0.0792  | 6.11E-10 | 38 |
| GCST90274824 | rs6692378   | T | C | 0.6317 | 0.0787  | 1.11E-10 | 42 |
| GCST90274838 | rs112512914 | A | G | 0.8871 | -0.1377 | 9.82E-14 | 55 |
| GCST90274838 | rs111714549 | T | C | 0.8879 | -0.1474 | 3.84E-13 | 53 |
| GCST90274838 | rs72912115  | A | T | 0.114  | 0.137   | 9.65E-14 | 55 |
| GCST90274838 | rs111580697 | A | C | 0.901  | -0.1327 | 1.63E-11 | 45 |
| GCST90274838 | rs76497699  | T | C | 0.9007 | -0.1304 | 2.28E-11 | 45 |
| GCST90274838 | rs74544143  | T | C | 0.9005 | -0.1323 | 1.48E-11 | 46 |
| GCST90274838 | rs72912113  | T | C | 0.114  | 0.1359  | 1.51E-13 | 55 |
| GCST90274838 | rs73936923  | T | C | 0.9001 | -0.1324 | 1.81E-11 | 45 |
| GCST90274838 | rs10489984  | T | C | 0.1147 | 0.1357  | 1.64E-13 | 54 |
| GCST90274838 | rs112741266 | A | G | 0.114  | 0.1367  | 1.09E-13 | 55 |
| GCST90274838 | rs365259    | T | C | 0.1416 | 0.115   | 2.29E-11 | 45 |
| GCST90274838 | rs74543090  | T | C | 0.9011 | -0.1357 | 7.20E-12 | 47 |
| GCST90274838 | rs370050    | A | G | 0.8637 | -0.1217 | 3.74E-11 | 44 |
| GCST90274838 | rs8075668   | T | C | 0.4632 | -0.0652 | 1.90E-08 | 32 |
| GCST90274838 | rs113424166 | C | G | 0.0998 | 0.1314  | 1.60E-11 | 45 |
| GCST90274838 | rs365632    | C | G | 0.86   | -0.1144 | 1.29E-11 | 46 |
| GCST90274838 | rs79704315  | T | G | 0.8865 | -0.1351 | 2.82E-13 | 53 |
| GCST90274838 | rs713111    | A | G | 0.115  | 0.1134  | 5.77E-10 | 38 |
| GCST90274838 | rs72912111  | T | C | 0.115  | 0.1354  | 1.37E-13 | 55 |
| GCST90274838 | rs3087852   | A | G | 0.4625 | -0.0643 | 2.97E-08 | 31 |
| GCST90274838 | rs77236129  | A | T | 0.9001 | -0.1328 | 9.74E-12 | 46 |
| GCST90274838 | rs78325918  | T | C | 0.0984 | 0.1329  | 1.52E-11 | 46 |
| GCST90274838 | rs378322    | A | G | 0.1431 | 0.1187  | 2.16E-12 | 49 |
| GCST90274838 | rs3859189   | A | G | 0.5369 | 0.0655  | 1.64E-08 | 32 |
| GCST90274838 | rs17639251  | T | C | 0.8864 | -0.1346 | 2.57E-13 | 54 |
| GCST90274838 | rs881569    | T | C | 0.1015 | 0.1319  | 2.15E-11 | 45 |
| GCST90274838 | rs11466186  | T | C | 0.0945 | 0.1417  | 1.79E-12 | 50 |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274838 | rs138179911 | A | G | 0.8868 | -0.1355 | 1.78E-13 | 54  |
| GCST90274838 | rs572886111 | A | T | 0.8878 | -0.1449 | 9.47E-13 | 51  |
| GCST90274838 | rs57452574  | C | G | 0.8857 | -0.1366 | 1.14E-13 | 55  |
| GCST90274838 | rs2305482   | A | C | 0.4547 | 0.0645  | 3.53E-08 | 30  |
| GCST90274838 | rs2902450   | T | C | 0.901  | -0.1323 | 1.48E-11 | 46  |
| GCST90274838 | rs113971512 | T | C | 0.1141 | 0.1366  | 1.14E-13 | 55  |
| GCST90274838 | rs411821    | T | C | 0.1403 | 0.1179  | 3.03E-12 | 49  |
| GCST90274838 | rs17695836  | T | C | 0.114  | 0.1349  | 2.28E-13 | 54  |
| GCST90274838 | rs6708912   | A | C | 0.1116 | 0.1403  | 1.79E-12 | 50  |
| GCST90274838 | rs411053    | A | G | 0.1385 | 0.1174  | 6.63E-12 | 47  |
| GCST90274838 | rs658914    | T | G | 0.1409 | 0.1154  | 4.27E-11 | 43  |
| GCST90274846 | rs600038    | T | C | 0.7889 | 0.1075  | 7.53E-12 | 47  |
| GCST90274846 | rs59906228  | C | G | 0.0495 | -0.1484 | 3.88E-08 | 30  |
| GCST90274846 | rs62059794  | A | G | 0.1023 | -0.2251 | 3.97E-31 | 135 |
| GCST90274846 | rs62062593  | T | C | 0.7077 | -0.1074 | 8.55E-18 | 74  |
| GCST90274846 | rs62062594  | A | G | 0.6614 | 0.075   | 6.10E-09 | 34  |
| GCST90274846 | rs62061198  | T | C | 0.234  | 0.1625  | 1.56E-29 | 127 |
| GCST90274846 | rs62062590  | A | G | 0.2966 | 0.1068  | 1.30E-17 | 73  |
| GCST90274846 | rs62059777  | A | G | 0.1927 | -0.1508 | 2.48E-25 | 108 |
| GCST90274846 | rs62059859  | T | C | 0.709  | 0.124   | 2.17E-20 | 86  |
| GCST90274846 | rs62059798  | T | C | 0.1025 | -0.2281 | 3.13E-32 | 140 |
| GCST90274846 | rs62062581  | T | G | 0.8401 | 0.1743  | 1.68E-25 | 109 |
| GCST90274846 | rs10153276  | A | G | 0.2343 | -0.1374 | 2.49E-24 | 104 |
| GCST90274846 | rs62059797  | A | G | 0.7446 | -0.2097 | 1.55E-58 | 260 |
| GCST90274846 | rs62059803  | T | C | 0.2159 | 0.2066  | 2.77E-49 | 218 |
| GCST90274846 | rs62059799  | T | C | 0.1018 | -0.2289 | 1.91E-32 | 141 |
| GCST90274846 | rs62059800  | A | G | 0.0977 | -0.2319 | 2.21E-31 | 136 |
| GCST90274846 | rs62059801  | T | C | 0.2431 | 0.2345  | 4.32E-55 | 244 |
| GCST90274846 | rs62059779  | C | G | 0.1937 | -0.1511 | 2.00E-25 | 109 |
| GCST90274846 | rs62059792  | A | G | 0.7767 | 0.1349  | 4.44E-20 | 84  |
| GCST90274846 | rs62059793  | A | G | 0.7593 | -0.1866 | 1.21E-34 | 151 |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274846 | rs62059838 | A | G | 0.1102 | -0.2025 | 1.33E-27 | 119 |
| GCST90274846 | rs59665520 | A | C | 0.1984 | -0.1479 | 9.54E-25 | 105 |
| GCST90274846 | rs78180894 | C | G | 0.0663 | -0.2328 | 1.25E-20 | 87  |
| GCST90274846 | rs78355381 | T | C | 0.8342 | 0.1492  | 1.06E-18 | 78  |
| GCST90274846 | rs58868571 | T | C | 0.6344 | 0.113   | 3.55E-18 | 76  |
| GCST90274846 | rs60787986 | A | C | 0.6322 | 0.0683  | 4.66E-08 | 30  |
| GCST90274846 | rs60915639 | T | G | 0.4021 | -0.1178 | 4.49E-19 | 80  |
| GCST90274846 | rs61416196 | A | G | 0.1021 | -0.2289 | 1.91E-32 | 141 |
| GCST90274846 | rs60488855 | T | C | 0.7997 | 0.1476  | 1.18E-24 | 105 |
| GCST90274846 | rs62059712 | T | C | 0.9261 | 0.1397  | 6.76E-09 | 34  |
| GCST90274846 | rs62059839 | T | C | 0.2536 | 0.1694  | 1.30E-35 | 155 |
| GCST90274846 | rs57985740 | A | G | 0.7976 | 0.1508  | 1.74E-23 | 100 |
| GCST90274846 | rs58614441 | T | C | 0.7202 | 0.1332  | 2.24E-20 | 86  |
| GCST90274846 | rs10153272 | T | C | 0.7667 | 0.1374  | 2.49E-24 | 104 |
| GCST90274846 | rs2269460  | T | C | 0.403  | 0.1193  | 1.60E-19 | 82  |
| GCST90274846 | rs10153304 | A | G | 0.108  | -0.1066 | 3.91E-08 | 30  |
| GCST90274846 | rs10438740 | A | G | 0.5545 | -0.1103 | 8.70E-22 | 92  |
| GCST90274846 | rs1050540  | T | C | 0.3505 | 0.1276  | 4.19E-24 | 103 |
| GCST90274846 | rs10765875 | A | G | 0.3436 | 0.0689  | 4.54E-08 | 30  |
| GCST90274846 | rs10831650 | A | G | 0.3558 | 0.0692  | 3.09E-08 | 31  |
| GCST90274846 | rs10852890 | A | G | 0.6029 | 0.113   | 9.74E-21 | 87  |
| GCST90274846 | rs62059693 | T | C | 0.8557 | 0.1069  | 6.44E-10 | 38  |
| GCST90274846 | rs62059805 | T | C | 0.2602 | 0.2062  | 2.19E-58 | 260 |
| GCST90274846 | rs62059776 | T | G | 0.8057 | 0.1499  | 4.19E-21 | 89  |
| GCST90274846 | rs10048219 | T | C | 0.1969 | -0.147  | 3.75E-24 | 103 |
| GCST90274846 | rs10084679 | A | C | 0.951  | 0.1493  | 3.60E-08 | 30  |
| GCST90274846 | rs62059824 | T | C | 0.1104 | -0.2077 | 3.00E-29 | 126 |
| GCST90274846 | rs62059826 | T | C | 0.1649 | -0.1718 | 1.50E-28 | 123 |
| GCST90274846 | rs62059833 | T | C | 0.2768 | 0.174   | 1.00E-42 | 188 |
| GCST90274846 | rs11078687 | A | G | 0.6005 | 0.1137  | 2.53E-22 | 94  |
| GCST90274846 | rs11078692 | T | C | 0.5986 | 0.1143  | 7.33E-21 | 88  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274846 | rs62059834 | A | G | 0.2402 | 0.1852  | 4.60E-41 | 180 |
| GCST90274846 | rs62059835 | A | G | 0.7587 | -0.1846 | 8.26E-41 | 179 |
| GCST90274846 | rs62059836 | A | G | 0.2754 | 0.1687  | 2.11E-37 | 163 |
| GCST90274846 | rs62059804 | A | C | 0.2567 | 0.2097  | 2.03E-59 | 264 |
| GCST90274846 | rs62059837 | A | C | 0.9011 | 0.231   | 1.89E-31 | 136 |
| GCST90274846 | rs28602591 | T | C | 0.0965 | -0.1336 | 1.31E-08 | 32  |
| GCST90274846 | rs28625968 | T | C | 0.3901 | 0.121   | 4.56E-25 | 107 |
| GCST90274846 | rs28645493 | C | G | 0.9091 | 0.1363  | 1.78E-08 | 32  |
| GCST90274846 | rs2871327  | T | C | 0.766  | 0.1369  | 3.64E-24 | 103 |
| GCST90274846 | rs28723678 | T | C | 0.1021 | -0.2305 | 7.06E-33 | 143 |
| GCST90274846 | rs2908809  | T | C | 0.4472 | 0.1018  | 1.18E-17 | 73  |
| GCST90274846 | rs2909417  | A | G | 0.5521 | -0.1005 | 3.03E-17 | 71  |
| GCST90274846 | rs2955617  | A | C | 0.6541 | 0.1428  | 6.67E-29 | 124 |
| GCST90274846 | rs3124764  | T | C | 0.138  | -0.1086 | 4.14E-08 | 30  |
| GCST90274846 | rs34001984 | A | T | 0.3376 | -0.0741 | 7.08E-09 | 34  |
| GCST90274846 | rs60855753 | T | G | 0.1026 | -0.2292 | 1.58E-32 | 141 |
| GCST90274846 | rs1799941  | A | G | 0.2538 | 0.1693  | 1.42E-35 | 155 |
| GCST90274846 | rs1813006  | T | G | 0.0645 | 0.1623  | 2.70E-10 | 40  |
| GCST90274846 | rs2071502  | C | G | 0.595  | 0.1119  | 1.13E-21 | 91  |
| GCST90274846 | rs2111437  | A | G | 0.234  | -0.1368 | 3.93E-24 | 103 |
| GCST90274846 | rs2228128  | T | C | 0.7202 | -0.1381 | 9.60E-27 | 115 |
| GCST90274846 | rs2228129  | T | C | 0.234  | -0.1367 | 4.24E-24 | 103 |
| GCST90274846 | rs2228132  | T | C | 0.1989 | -0.1468 | 2.10E-24 | 104 |
| GCST90274846 | rs8071744  | T | C | 0.7656 | 0.1379  | 3.68E-24 | 103 |
| GCST90274846 | rs2277638  | A | G | 0.7665 | 0.1361  | 6.67E-24 | 102 |
| GCST90274846 | rs2301609  | A | G | 0.1991 | -0.1467 | 1.08E-24 | 105 |
| GCST90274846 | rs2302761  | T | C | 0.2019 | -0.1421 | 2.87E-23 | 99  |
| GCST90274846 | rs230489   | T | C | 0.8839 | -0.1049 | 3.97E-08 | 30  |
| GCST90274846 | rs2309751  | A | G | 0.412  | -0.1055 | 9.47E-20 | 83  |
| GCST90274846 | rs2519093  | T | C | 0.1894 | -0.1092 | 2.77E-11 | 44  |
| GCST90274846 | rs10852891 | A | G | 0.1644 | -0.1715 | 1.86E-28 | 122 |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274846 | rs10935473  | T | G | 0.4477 | 0.0673  | 6.56E-09 | 34  |
| GCST90274846 | rs62059821  | A | G | 0.097  | -0.2367 | 1.26E-32 | 141 |
| GCST90274846 | rs62059822  | A | G | 0.1107 | -0.2084 | 1.96E-29 | 127 |
| GCST90274846 | rs62059823  | C | G | 0.1104 | -0.2079 | 2.66E-29 | 126 |
| GCST90274846 | rs11078680  | A | G | 0.5889 | 0.1051  | 2.64E-19 | 81  |
| GCST90274846 | rs11078682  | C | G | 0.2343 | -0.1367 | 4.24E-24 | 103 |
| GCST90274846 | rs11078685  | T | C | 0.5879 | 0.1078  | 1.50E-20 | 86  |
| GCST90274846 | rs278373    | T | C | 0.46   | -0.0753 | 2.49E-10 | 40  |
| GCST90274846 | rs278374    | T | G | 0.5783 | 0.0688  | 1.30E-08 | 32  |
| GCST90274846 | rs28362665  | A | G | 0.1019 | -0.2318 | 3.13E-33 | 144 |
| GCST90274846 | rs111259369 | T | C | 0.1985 | -0.1475 | 1.27E-24 | 105 |
| GCST90274846 | rs111516403 | A | G | 0.5503 | -0.0982 | 2.76E-16 | 67  |
| GCST90274846 | rs111972643 | C | G | 0.2025 | -0.1433 | 1.23E-23 | 100 |
| GCST90274846 | rs28583655  | A | G | 0.1031 | -0.2272 | 2.63E-32 | 140 |
| GCST90274846 | rs12635955  | T | C | 0.4991 | -0.0702 | 6.57E-09 | 34  |
| GCST90274846 | rs12936464  | A | C | 0.2011 | -0.1491 | 1.88E-25 | 109 |
| GCST90274846 | rs12936842  | A | T | 0.7075 | 0.1237  | 2.67E-20 | 85  |
| GCST90274846 | rs12936934  | T | C | 0.1871 | -0.1571 | 2.54E-26 | 113 |
| GCST90274846 | rs12938899  | T | C | 0.1881 | -0.1577 | 1.65E-26 | 114 |
| GCST90274846 | rs12940684  | T | C | 0.7016 | -0.1952 | 1.02E-56 | 252 |
| GCST90274846 | rs12941509  | C | G | 0.7402 | -0.208  | 1.73E-58 | 260 |
| GCST90274846 | rs12942267  | T | C | 0.6228 | 0.105   | 1.11E-18 | 78  |
| GCST90274846 | rs12944649  | A | G | 0.8127 | 0.1575  | 1.90E-26 | 113 |
| GCST90274846 | rs12945084  | T | C | 0.2567 | 0.2106  | 6.49E-60 | 267 |
| GCST90274846 | rs12945977  | C | G | 0.7434 | -0.2108 | 5.03E-60 | 267 |
| GCST90274846 | rs60856990  | A | G | 0.348  | 0.1419  | 8.84E-33 | 142 |
| GCST90274846 | rs79930761  | T | C | 0.0801 | -0.1345 | 1.20E-08 | 32  |
| GCST90274846 | rs80067372  | A | G | 0.2693 | 0.2038  | 4.47E-57 | 254 |
| GCST90274846 | rs8065577   | C | G | 0.7668 | 0.1361  | 1.41E-23 | 100 |
| GCST90274846 | rs8066665   | A | G | 0.447  | 0.1022  | 8.83E-18 | 74  |
| GCST90274846 | rs8067489   | A | G | 0.1988 | -0.1488 | 2.34E-25 | 108 |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274846 | rs8070664  | A | G | 0.7653 | 0.139   | 1.60E-24 | 104 |
| GCST90274846 | rs11652829 | T | C | 0.7659 | 0.1367  | 4.24E-24 | 103 |
| GCST90274846 | rs8071847  | A | G | 0.7997 | 0.1468  | 1.01E-24 | 105 |
| GCST90274846 | rs8073498  | A | C | 0.6135 | -0.1122 | 1.93E-21 | 90  |
| GCST90274846 | rs8073584  | T | G | 0.5915 | 0.1171  | 7.24E-19 | 79  |
| GCST90274846 | rs8073937  | A | G | 0.63   | 0.115   | 1.79E-20 | 86  |
| GCST90274846 | rs8074586  | T | C | 0.7658 | 0.1371  | 3.13E-24 | 103 |
| GCST90274846 | rs8075007  | A | T | 0.7992 | 0.1502  | 9.51E-23 | 96  |
| GCST90274846 | rs2541012  | T | C | 0.4481 | 0.0999  | 4.66E-17 | 70  |
| GCST90274846 | rs2642162  | T | G | 0.6012 | -0.0733 | 2.53E-09 | 36  |
| GCST90274846 | rs10935478 | T | C | 0.4594 | 0.08    | 2.62E-11 | 44  |
| GCST90274846 | rs10935480 | T | C | 0.4611 | 0.0798  | 2.00E-11 | 45  |
| GCST90274846 | rs11078677 | T | C | 0.3628 | 0.1286  | 3.36E-25 | 108 |
| GCST90274846 | rs278370   | T | G | 0.4477 | -0.0726 | 1.06E-09 | 37  |
| GCST90274846 | rs278371   | A | G | 0.1826 | -0.0856 | 2.21E-08 | 31  |
| GCST90274846 | rs278372   | A | C | 0.1475 | -0.0945 | 2.72E-08 | 31  |
| GCST90274846 | rs8081548  | A | T | 0.6349 | 0.1364  | 3.95E-26 | 112 |
| GCST90274846 | rs8081619  | T | C | 0.6137 | 0.111   | 9.17E-20 | 83  |
| GCST90274846 | rs8082166  | C | G | 0.2006 | -0.149  | 2.02E-25 | 109 |
| GCST90274846 | rs828584   | T | C | 0.84   | 0.0881  | 2.01E-08 | 31  |
| GCST90274846 | rs28461213 | A | G | 0.6089 | -0.1128 | 4.70E-20 | 84  |
| GCST90274846 | rs28489284 | A | G | 0.0492 | -0.1479 | 4.83E-08 | 30  |
| GCST90274846 | rs12600861 | A | C | 0.6284 | 0.1034  | 3.65E-18 | 76  |
| GCST90274846 | rs56074046 | A | G | 0.3438 | 0.1523  | 1.68E-37 | 164 |
| GCST90274846 | rs56078345 | T | C | 0.7994 | 0.1482  | 3.63E-25 | 107 |
| GCST90274846 | rs56226499 | T | C | 0.5883 | 0.1064  | 4.63E-20 | 84  |
| GCST90274846 | rs56343119 | A | C | 0.1407 | -0.1131 | 9.41E-09 | 33  |
| GCST90274846 | rs56356033 | A | G | 0.1995 | -0.1491 | 4.01E-25 | 107 |
| GCST90274846 | rs57828263 | A | C | 0.7227 | -0.1733 | 2.14E-42 | 186 |
| GCST90274846 | rs579459   | T | C | 0.7888 | 0.1098  | 2.68E-12 | 49  |
| GCST90274846 | rs1666290  | A | G | 0.1801 | -0.0828 | 3.39E-08 | 30  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274846 | rs16956936 | T | C | 0.1176 | -0.1066 | 2.60E-09 | 35  |
| GCST90274846 | rs78608249 | T | C | 0.2873 | -0.1525 | 3.23E-33 | 144 |
| GCST90274846 | rs78744936 | A | G | 0.255  | 0.2084  | 7.79E-58 | 257 |
| GCST90274846 | rs78766798 | T | C | 0.9292 | 0.2109  | 1.53E-18 | 77  |
| GCST90274846 | rs79590991 | T | C | 0.049  | -0.1511 | 2.47E-08 | 31  |
| GCST90274846 | rs17856697 | A | G | 0.6571 | -0.1486 | 3.22E-35 | 153 |
| GCST90274846 | rs34333163 | A | G | 0.9237 | -0.1694 | 3.58E-13 | 53  |
| GCST90274846 | rs34370369 | T | C | 0.2851 | -0.1276 | 8.47E-22 | 92  |
| GCST90274846 | rs34416693 | A | G | 0.2834 | -0.1268 | 1.52E-21 | 91  |
| GCST90274846 | rs34445439 | T | C | 0.2933 | 0.1933  | 5.22E-50 | 221 |
| GCST90274846 | rs34474914 | A | G | 0.6541 | -0.1688 | 4.00E-39 | 171 |
| GCST90274846 | rs34547522 | T | C | 0.2899 | -0.1263 | 4.29E-21 | 89  |
| GCST90274846 | rs11654638 | T | C | 0.5836 | 0.1169  | 2.02E-21 | 90  |
| GCST90274846 | rs11655488 | A | G | 0.2808 | -0.1247 | 1.33E-20 | 87  |
| GCST90274846 | rs11655920 | T | C | 0.3985 | -0.1122 | 8.83E-22 | 92  |
| GCST90274846 | rs13129951 | A | G | 0.088  | 0.1528  | 3.01E-12 | 49  |
| GCST90274846 | rs13131500 | A | G | 0.9117 | -0.1821 | 1.67E-13 | 54  |
| GCST90274846 | rs8075009  | A | T | 0.8069 | 0.152   | 3.69E-21 | 89  |
| GCST90274846 | rs8075218  | T | C | 0.7659 | 0.1375  | 2.31E-24 | 104 |
| GCST90274846 | rs278363   | T | C | 0.5379 | 0.0706  | 8.30E-10 | 38  |
| GCST90274846 | rs278364   | T | G | 0.1796 | -0.0826 | 3.66E-08 | 30  |
| GCST90274846 | rs278369   | A | G | 0.8184 | 0.0871  | 1.55E-08 | 32  |
| GCST90274846 | rs8076791  | A | C | 0.233  | -0.1353 | 2.56E-23 | 99  |
| GCST90274846 | rs8080690  | T | G | 0.5878 | 0.1073  | 2.24E-20 | 86  |
| GCST90274846 | rs8081271  | A | G | 0.4105 | -0.1051 | 2.64E-19 | 81  |
| GCST90274846 | rs507666   | A | G | 0.1886 | -0.1083 | 4.01E-11 | 44  |
| GCST90274846 | rs532436   | A | G | 0.1891 | -0.1087 | 2.58E-11 | 44  |
| GCST90274846 | rs550057   | T | C | 0.2675 | -0.0895 | 5.12E-10 | 39  |
| GCST90274846 | rs55749333 | T | C | 0.6217 | 0.1039  | 1.31E-18 | 78  |
| GCST90274846 | rs55785967 | A | G | 0.2028 | -0.1442 | 6.51E-24 | 102 |
| GCST90274846 | rs55894190 | T | C | 0.5932 | 0.0987  | 1.02E-15 | 64  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274846 | rs55931722  | A | G | 0.1968 | -0.1541 | 1.43E-23 | 100 |
| GCST90274846 | rs828591    | C | G | 0.819  | 0.0858  | 3.10E-08 | 31  |
| GCST90274846 | rs828593    | A | C | 0.423  | -0.0692 | 8.09E-09 | 33  |
| GCST90274846 | rs112008397 | A | C | 0.1164 | -0.1075 | 2.86E-09 | 35  |
| GCST90274846 | rs112379875 | A | G | 0.1947 | -0.1506 | 1.45E-20 | 86  |
| GCST90274846 | rs112645221 | A | C | 0.8067 | 0.1487  | 7.01E-23 | 97  |
| GCST90274846 | rs112715785 | A | G | 0.1122 | -0.2158 | 6.34E-28 | 120 |
| GCST90274846 | rs112958256 | T | C | 0.1014 | -0.2271 | 1.18E-31 | 137 |
| GCST90274846 | rs1136550   | A | G | 0.159  | -0.0857 | 4.80E-08 | 30  |
| GCST90274846 | rs1136551   | C | G | 0.8397 | 0.0877  | 2.32E-08 | 31  |
| GCST90274846 | rs113924794 | T | C | 0.1023 | -0.2281 | 1.50E-32 | 141 |
| GCST90274846 | rs1142832   | T | C | 0.4208 | 0.1158  | 1.81E-23 | 100 |
| GCST90274846 | rs34211178  | A | G | 0.4502 | 0.0685  | 1.50E-08 | 32  |
| GCST90274846 | rs34219250  | T | C | 0.1978 | 0.1229  | 1.46E-15 | 64  |
| GCST90274846 | rs34316881  | T | C | 0.0921 | 0.1505  | 4.05E-12 | 48  |
| GCST90274846 | rs12948869  | A | G | 0.259  | 0.2074  | 3.67E-58 | 258 |
| GCST90274846 | rs12949514  | A | G | 0.275  | -0.1391 | 4.47E-22 | 93  |
| GCST90274846 | rs13065271  | T | C | 0.4615 | 0.0798  | 2.93E-11 | 44  |
| GCST90274846 | rs13105581  | T | C | 0.0801 | 0.1732  | 5.06E-14 | 57  |
| GCST90274846 | rs13107325  | T | C | 0.0696 | 0.2027  | 8.77E-18 | 74  |
| GCST90274846 | rs13107511  | T | C | 0.9104 | -0.1605 | 4.84E-13 | 52  |
| GCST90274846 | rs13109272  | T | C | 0.9215 | -0.1606 | 3.59E-12 | 48  |
| GCST90274846 | rs13114461  | T | C | 0.0821 | 0.1565  | 3.51E-12 | 48  |
| GCST90274846 | rs13114738  | T | C | 0.0811 | 0.1586  | 2.26E-12 | 49  |
| GCST90274846 | rs13116385  | A | G | 0.0867 | 0.1543  | 2.32E-12 | 49  |
| GCST90274846 | rs4796424   | T | C | 0.7997 | 0.1482  | 3.63E-25 | 107 |
| GCST90274846 | rs13135092  | A | G | 0.9226 | -0.1839 | 4.05E-16 | 66  |
| GCST90274846 | rs13135688  | C | G | 0.0812 | 0.158   | 2.73E-12 | 49  |
| GCST90274846 | rs8075280   | A | T | 0.4074 | -0.1136 | 2.56E-20 | 85  |
| GCST90274846 | rs8076251   | T | C | 0.2381 | -0.1396 | 3.18E-22 | 94  |
| GCST90274846 | rs8076642   | A | G | 0.412  | -0.1057 | 1.65E-19 | 82  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274846 | rs4968212   | T | C | 0.3029 | 0.1612  | 1.22E-38 | 169 |
| GCST90274846 | rs4968214   | A | G | 0.3057 | 0.1655  | 1.24E-40 | 178 |
| GCST90274846 | rs4968222   | A | G | 0.2643 | 0.2064  | 1.28E-57 | 256 |
| GCST90274846 | rs139725501 | T | C | 0.0534 | 0.1962  | 1.57E-08 | 32  |
| GCST90274846 | rs142675740 | T | C | 0.2763 | 0.1681  | 3.79E-37 | 162 |
| GCST90274846 | rs149932962 | A | G | 0.239  | 0.1877  | 3.17E-45 | 199 |
| GCST90274846 | rs1585606   | A | G | 0.0888 | 0.1559  | 8.59E-13 | 51  |
| GCST90274846 | rs1614984   | A | G | 0.4341 | 0.1054  | 2.09E-19 | 81  |
| GCST90274846 | rs828585    | T | C | 0.1484 | -0.0911 | 2.78E-08 | 31  |
| GCST90274846 | rs828586    | A | G | 0.8406 | 0.0884  | 1.80E-08 | 32  |
| GCST90274846 | rs12493830  | T | C | 0.5494 | -0.0712 | 4.00E-09 | 35  |
| GCST90274846 | rs12600749  | A | C | 0.3235 | -0.0742 | 8.82E-09 | 33  |
| GCST90274846 | rs9889368   | A | G | 0.2326 | -0.1368 | 8.40E-24 | 101 |
| GCST90274846 | rs9889453   | T | C | 0.6122 | 0.0672  | 3.63E-08 | 30  |
| GCST90274846 | rs9890920   | T | C | 0.7656 | 0.1372  | 2.90E-24 | 103 |
| GCST90274846 | rs9890935   | A | G | 0.7995 | 0.1491  | 1.88E-25 | 109 |
| GCST90274846 | rs9891297   | T | C | 0.8007 | 0.1489  | 4.63E-25 | 107 |
| GCST90274846 | rs9892297   | A | G | 0.6602 | 0.1485  | 1.27E-34 | 151 |
| GCST90274846 | rs9893249   | T | C | 0.6136 | -0.1111 | 4.72E-21 | 89  |
| GCST90274846 | rs9898876   | T | G | 0.1869 | -0.156  | 5.62E-26 | 111 |
| GCST90274846 | rs9899036   | T | G | 0.2849 | -0.1412 | 2.50E-26 | 113 |
| GCST90274846 | rs9899183   | T | C | 0.7424 | -0.2094 | 2.97E-59 | 263 |
| GCST90274846 | rs9899326   | A | G | 0.1018 | -0.2319 | 2.94E-33 | 144 |
| GCST90274846 | rs12947017  | T | C | 0.3803 | 0.1234  | 5.51E-23 | 97  |
| GCST90274846 | rs17732878  | T | C | 0.7976 | 0.1403  | 1.98E-22 | 95  |
| GCST90274846 | rs11649768  | A | G | 0.6018 | 0.1166  | 1.08E-20 | 87  |
| GCST90274846 | rs11650977  | A | G | 0.5885 | 0.1054  | 1.03E-19 | 83  |
| GCST90274846 | rs11651206  | A | C | 0.5888 | 0.1058  | 7.46E-20 | 83  |
| GCST90274846 | rs11651528  | A | C | 0.2854 | -0.125  | 5.53E-21 | 88  |
| GCST90274846 | rs11651917  | A | G | 0.2792 | 0.1088  | 1.06E-17 | 73  |
| GCST90274846 | rs11652328  | A | G | 0.5676 | -0.1143 | 2.81E-23 | 99  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274846 | rs865474   | A | G | 0.5392 | 0.0768  | 7.59E-11 | 42  |
| GCST90274846 | rs893831   | T | G | 0.4218 | -0.0705 | 5.66E-09 | 34  |
| GCST90274846 | rs893832   | A | G | 0.5413 | 0.074   | 6.97E-10 | 38  |
| GCST90274846 | rs11656734 | C | G | 0.401  | -0.1147 | 5.37E-21 | 88  |
| GCST90274846 | rs4796425  | A | G | 0.197  | -0.1441 | 2.54E-21 | 90  |
| GCST90274846 | rs4796427  | T | C | 0.7655 | 0.137   | 3.38E-24 | 103 |
| GCST90274846 | rs4796429  | A | G | 0.2027 | -0.1514 | 2.27E-23 | 99  |
| GCST90274846 | rs4796430  | A | G | 0.8003 | 0.1479  | 4.52E-25 | 107 |
| GCST90274846 | rs4796434  | C | G | 0.8085 | 0.1506  | 3.85E-23 | 98  |
| GCST90274846 | rs4857414  | T | C | 0.4612 | 0.0789  | 3.35E-11 | 44  |
| GCST90274846 | rs495828   | T | G | 0.2115 | -0.1086 | 4.61E-12 | 48  |
| GCST90274846 | rs4968200  | C | G | 0.1391 | -0.1716 | 1.07E-23 | 101 |
| GCST90274846 | rs11869899 | T | C | 0.2002 | -0.1482 | 3.63E-25 | 107 |
| GCST90274846 | rs11927405 | T | C | 0.45   | 0.0717  | 3.11E-09 | 35  |
| GCST90274846 | rs12150660 | T | G | 0.2403 | 0.1872  | 5.40E-45 | 198 |
| GCST90274846 | rs12325768 | A | G | 0.2903 | -0.1266 | 3.46E-21 | 89  |
| GCST90274846 | rs12325773 | A | G | 0.2001 | -0.1492 | 1.74E-25 | 109 |
| GCST90274846 | rs1641511  | A | G | 0.7591 | 0.1261  | 4.94E-21 | 89  |
| GCST90274846 | rs1641512  | A | G | 0.7597 | 0.1298  | 3.44E-22 | 94  |
| GCST90274846 | rs1641523  | T | C | 0.5654 | 0.1222  | 1.55E-25 | 109 |
| GCST90274846 | rs1641547  | A | G | 0.4312 | 0.1035  | 6.41E-18 | 74  |
| GCST90274846 | rs1641548  | T | C | 0.1805 | -0.1113 | 3.49E-12 | 48  |
| GCST90274846 | rs1641550  | A | G | 0.5522 | -0.1056 | 4.21E-20 | 84  |
| GCST90274846 | rs1642762  | T | C | 0.5641 | 0.1228  | 3.36E-24 | 103 |
| GCST90274846 | rs1642763  | A | G | 0.233  | -0.1307 | 5.31E-21 | 88  |
| GCST90274846 | rs1642764  | T | C | 0.5238 | 0.1231  | 6.11E-24 | 102 |
| GCST90274846 | rs1642772  | A | G | 0.4391 | 0.0995  | 1.12E-16 | 69  |
| GCST90274846 | rs78138308 | A | G | 0.5639 | 0.1019  | 1.71E-15 | 63  |
| GCST90274846 | rs828597   | T | G | 0.5779 | 0.069   | 8.92E-09 | 33  |
| GCST90274846 | rs828598   | T | G | 0.5778 | 0.0684  | 1.20E-08 | 32  |
| GCST90274846 | rs828599   | A | G | 0.471  | -0.0722 | 1.78E-09 | 36  |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274846 | rs16956939 | T | C | 0.1169 | -0.107  | 2.26E-09 | 36  |
| GCST90274846 | rs17643401 | A | G | 0.1867 | -0.1554 | 8.64E-26 | 110 |
| GCST90274846 | rs115931   | T | C | 0.46   | -0.0737 | 5.89E-10 | 38  |
| GCST90274846 | rs9899741  | T | C | 0.5956 | 0.115   | 4.25E-21 | 89  |
| GCST90274846 | rs9900496  | T | C | 0.6416 | 0.1389  | 4.00E-29 | 125 |
| GCST90274846 | rs9900691  | C | G | 0.7166 | 0.1423  | 1.03E-26 | 114 |
| GCST90274846 | rs9901161  | A | C | 0.766  | 0.1372  | 6.23E-24 | 102 |
| GCST90274846 | rs9901673  | A | C | 0.1647 | -0.1711 | 2.49E-28 | 122 |
| GCST90274846 | rs9905587  | T | C | 0.2593 | 0.206   | 2.10E-57 | 255 |
| GCST90274846 | rs9906416  | T | C | 0.2029 | -0.1323 | 1.14E-18 | 78  |
| GCST90274846 | rs9906630  | T | C | 0.7654 | 0.1359  | 7.76E-24 | 101 |
| GCST90274846 | rs9906913  | A | G | 0.1999 | -0.1471 | 8.09E-25 | 106 |
| GCST90274846 | rs9907042  | A | G | 0.2003 | -0.1482 | 3.63E-25 | 107 |
| GCST90274846 | rs9907045  | T | C | 0.5944 | 0.1132  | 1.72E-20 | 86  |
| GCST90274846 | rs9907657  | T | G | 0.1559 | -0.1774 | 1.44E-28 | 123 |
| GCST90274846 | rs9907930  | T | G | 0.8982 | 0.232   | 2.77E-33 | 144 |
| GCST90274846 | rs9911287  | C | G | 0.2337 | -0.1373 | 2.69E-24 | 103 |
| GCST90274846 | rs9912001  | T | C | 0.3398 | -0.1485 | 1.27E-34 | 151 |
| GCST90274846 | rs13140033 | A | G | 0.0902 | 0.1502  | 2.83E-12 | 49  |
| GCST90274846 | rs13143234 | A | G | 0.0812 | 0.1577  | 3.00E-12 | 49  |
| GCST90274846 | rs13322253 | A | T | 0.0494 | -0.1486 | 3.72E-08 | 30  |
| GCST90274846 | rs1393072  | T | C | 0.2282 | -0.0796 | 1.30E-08 | 32  |
| GCST90274846 | rs7359524  | A | G | 0.281  | 0.1093  | 7.55E-18 | 74  |
| GCST90274846 | rs7428843  | T | C | 0.7202 | 0.1032  | 8.53E-15 | 60  |
| GCST90274846 | rs7431684  | A | C | 0.6211 | 0.0677  | 3.71E-08 | 30  |
| GCST90274846 | rs74351250 | A | G | 0.044  | -0.2729 | 5.71E-17 | 70  |
| GCST90274846 | rs12330381 | T | C | 0.0487 | -0.151  | 2.52E-08 | 31  |
| GCST90274846 | rs12451961 | A | G | 0.6248 | 0.1069  | 1.98E-16 | 68  |
| GCST90274846 | rs12452603 | T | C | 0.7226 | -0.1744 | 6.51E-43 | 189 |
| GCST90274846 | rs9858592  | T | C | 0.5294 | -0.0647 | 2.44E-08 | 31  |
| GCST90274846 | rs9872073  | T | G | 0.0552 | -0.1421 | 4.10E-08 | 30  |

|              |             |   |   |        |         |          |     |
|--------------|-------------|---|---|--------|---------|----------|-----|
| GCST90274846 | rs9883751   | A | G | 0.0492 | -0.1481 | 4.63E-08 | 30  |
| GCST90274846 | rs41296107  | T | C | 0.0888 | -0.1379 | 1.82E-08 | 32  |
| GCST90274846 | rs41302673  | T | G | 0.906  | 0.1388  | 6.34E-09 | 34  |
| GCST90274846 | rs4151120   | A | T | 0.3479 | 0.1411  | 5.32E-30 | 129 |
| GCST90274846 | rs828594    | T | G | 0.4226 | -0.0687 | 1.03E-08 | 33  |
| GCST90274846 | rs828595    | A | C | 0.5416 | 0.0731  | 8.11E-10 | 38  |
| GCST90274846 | rs4227      | T | G | 0.7258 | -0.1733 | 2.14E-42 | 186 |
| GCST90274846 | rs4354991   | C | G | 0.766  | 0.1374  | 2.49E-24 | 104 |
| GCST90274846 | rs4384652   | T | G | 0.6275 | 0.096   | 2.62E-11 | 44  |
| GCST90274846 | rs115478735 | A | T | 0.8144 | 0.1176  | 2.57E-10 | 40  |
| GCST90274846 | rs11552708  | A | G | 0.1198 | -0.1906 | 4.86E-27 | 116 |
| GCST90274846 | rs4511593   | T | C | 0.6501 | -0.1702 | 3.67E-47 | 208 |
| GCST90274846 | rs62062609  | T | G | 0.117  | -0.106  | 3.18E-09 | 35  |
| GCST90274846 | rs62062610  | A | G | 0.1173 | -0.1062 | 2.98E-09 | 35  |
| GCST90274846 | rs62062611  | A | G | 0.8831 | 0.1073  | 2.04E-09 | 36  |
| GCST90274846 | rs62062612  | T | C | 0.883  | 0.1066  | 3.18E-09 | 35  |
| GCST90274846 | rs62062613  | T | C | 0.1199 | -0.1046 | 6.21E-09 | 34  |
| GCST90274846 | rs6259      | A | G | 0.1112 | -0.1986 | 3.70E-27 | 116 |
| GCST90274846 | rs635634    | T | C | 0.1891 | -0.1106 | 1.54E-11 | 45  |
| GCST90274846 | rs649129    | T | C | 0.2156 | -0.1049 | 9.46E-11 | 42  |
| GCST90274846 | rs34730991  | T | C | 0.3528 | 0.1568  | 4.42E-32 | 139 |
| GCST90274846 | rs34790908  | T | C | 0.2563 | 0.211   | 3.90E-60 | 268 |
| GCST90274846 | rs893834    | A | G | 0.1585 | -0.0878 | 2.75E-08 | 31  |
| GCST90274846 | rs9217      | T | C | 0.6273 | 0.1041  | 1.12E-18 | 78  |
| GCST90274846 | rs11658168  | A | G | 0.3777 | -0.1088 | 2.96E-20 | 85  |
| GCST90274846 | rs11658305  | A | C | 0.4016 | -0.115  | 2.98E-18 | 76  |
| GCST90274846 | rs11658781  | T | C | 0.7659 | 0.137   | 3.38E-24 | 103 |
| GCST90274846 | rs116600817 | A | G | 0.7395 | -0.2053 | 5.01E-57 | 253 |
| GCST90274846 | rs11721064  | T | G | 0.6326 | 0.0697  | 2.46E-08 | 31  |
| GCST90274846 | rs117646332 | A | G | 0.0546 | 0.1602  | 1.12E-09 | 37  |
| GCST90274846 | rs11869864  | A | C | 0.2001 | -0.148  | 4.20E-25 | 107 |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274846 | rs11869879 | T | C | 0.3463 | 0.1575  | 8.55E-35 | 151 |
| GCST90274846 | rs9812438  | T | C | 0.9506 | 0.1473  | 4.88E-08 | 30  |
| GCST90274846 | rs9832986  | T | C | 0.5692 | 0.0708  | 6.50E-09 | 34  |
| GCST90274846 | rs9833945  | T | C | 0.9509 | 0.1498  | 3.25E-08 | 31  |
| GCST90274846 | rs7503751  | A | G | 0.0779 | -0.1386 | 5.76E-09 | 34  |
| GCST90274846 | rs75560110 | T | C | 0.899  | 0.2289  | 3.95E-32 | 139 |
| GCST90274846 | rs75695670 | A | G | 0.0521 | 0.1706  | 1.42E-10 | 41  |
| GCST90274846 | rs75840752 | A | G | 0.0488 | -0.1481 | 4.63E-08 | 30  |
| GCST90274846 | rs76238963 | A | C | 0.8999 | 0.1368  | 3.71E-09 | 35  |
| GCST90274846 | rs77193346 | T | C | 0.9479 | -0.1465 | 3.23E-08 | 31  |
| GCST90274846 | rs77697176 | A | G | 0.0715 | 0.1858  | 5.92E-12 | 47  |
| GCST90274846 | rs77711855 | T | C | 0.1027 | -0.2303 | 8.00E-33 | 142 |
| GCST90274846 | rs77713305 | T | C | 0.1015 | -0.23   | 9.64E-33 | 142 |
| GCST90274846 | rs4151121  | A | G | 0.6504 | -0.1329 | 2.12E-26 | 113 |
| GCST90274846 | rs41554719 | A | T | 0.6719 | -0.1546 | 1.38E-33 | 146 |
| GCST90274846 | rs7215056  | A | C | 0.2046 | -0.144  | 7.50E-24 | 101 |
| GCST90274846 | rs7215390  | A | C | 0.2347 | -0.1372 | 2.90E-24 | 103 |
| GCST90274846 | rs7215563  | A | G | 0.234  | -0.1371 | 3.13E-24 | 103 |
| GCST90274846 | rs4407107  | A | G | 0.2343 | -0.1368 | 3.93E-24 | 103 |
| GCST90274846 | rs4468689  | A | T | 0.6026 | 0.1127  | 1.23E-20 | 87  |
| GCST90274846 | rs828602   | A | G | 0.4247 | -0.0687 | 1.03E-08 | 33  |
| GCST90274846 | rs7217492  | C | G | 0.7996 | 0.1483  | 3.37E-25 | 108 |
| GCST90274846 | rs4542712  | T | C | 0.8323 | 0.1707  | 1.49E-28 | 123 |
| GCST90274846 | rs4627421  | T | C | 0.234  | -0.1362 | 6.19E-24 | 102 |
| GCST90274846 | rs4632183  | C | G | 0.7655 | 0.1366  | 4.57E-24 | 102 |
| GCST90274846 | rs4796307  | A | T | 0.7946 | 0.1506  | 3.85E-23 | 98  |
| GCST90274846 | rs4796308  | A | T | 0.2342 | -0.1365 | 4.93E-24 | 102 |
| GCST90274846 | rs4796309  | T | C | 0.2301 | -0.1411 | 3.22E-25 | 108 |
| GCST90274846 | rs4796310  | A | C | 0.1924 | -0.1491 | 5.39E-23 | 97  |
| GCST90274846 | rs4796420  | A | T | 0.1983 | -0.1472 | 1.58E-24 | 104 |
| GCST90274846 | rs4796421  | A | G | 0.1977 | -0.148  | 8.88E-25 | 106 |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274846 | rs4796422  | T | C | 0.8018 | 0.1477  | 1.10E-24 | 105 |
| GCST90274846 | rs4796423  | A | G | 0.7672 | 0.1358  | 1.77E-23 | 100 |
| GCST90274846 | rs72829444 | A | G | 0.2272 | -0.1225 | 7.86E-17 | 69  |
| GCST90274846 | rs72829446 | T | C | 0.0993 | -0.2249 | 6.72E-30 | 129 |
| GCST90274846 | rs72829457 | T | C | 0.0994 | -0.224  | 1.42E-28 | 123 |
| GCST90274846 | rs72842819 | A | C | 0.8853 | 0.1823  | 1.39E-20 | 87  |
| GCST90274846 | rs72842820 | A | G | 0.1733 | -0.1396 | 9.97E-19 | 78  |
| GCST90274846 | rs72842824 | A | G | 0.2052 | -0.1414 | 1.25E-21 | 91  |
| GCST90274846 | rs72934641 | A | G | 0.0494 | -0.1492 | 3.28E-08 | 31  |
| GCST90274846 | rs73242239 | C | G | 0.2774 | 0.1757  | 1.58E-43 | 191 |
| GCST90274846 | rs3722     | A | G | 0.2344 | -0.1363 | 5.74E-24 | 102 |
| GCST90274846 | rs3744258  | A | G | 0.6648 | 0.0664  | 3.14E-08 | 31  |
| GCST90274846 | rs3744260  | A | G | 0.3322 | -0.0665 | 3.00E-08 | 31  |
| GCST90274846 | rs9838238  | T | C | 0.9512 | 0.1481  | 4.63E-08 | 30  |
| GCST90274846 | rs9838706  | T | C | 0.9502 | 0.1488  | 3.57E-08 | 30  |
| GCST90274846 | rs9842051  | C | G | 0.748  | 0.1192  | 1.68E-17 | 72  |
| GCST90274846 | rs9848583  | A | T | 0.049  | -0.1495 | 3.46E-08 | 30  |
| GCST90274846 | rs3853821  | T | G | 0.5895 | 0.1059  | 6.89E-20 | 83  |
| GCST90274846 | rs3867596  | A | G | 0.7631 | 0.1399  | 3.76E-24 | 103 |
| GCST90274846 | rs3933469  | A | G | 0.2714 | 0.1756  | 3.38E-42 | 185 |
| GCST90274846 | rs7210659  | A | G | 0.5948 | 0.1144  | 6.78E-21 | 88  |
| GCST90274846 | rs7212989  | T | C | 0.6119 | 0.0679  | 2.61E-08 | 31  |
| GCST90274846 | rs78002826 | T | C | 0.1012 | -0.2284 | 2.60E-32 | 140 |
| GCST90274846 | rs78009957 | T | C | 0.8996 | 0.2288  | 8.60E-32 | 138 |
| GCST90274846 | rs858523   | T | C | 0.5532 | -0.1013 | 1.70E-17 | 72  |
| GCST90274846 | rs858524   | T | C | 0.4472 | 0.1003  | 3.50E-17 | 71  |
| GCST90274846 | rs6503022  | A | G | 0.8048 | 0.1427  | 1.09E-20 | 87  |
| GCST90274846 | rs7215922  | T | G | 0.2337 | -0.1369 | 3.64E-24 | 103 |
| GCST90274846 | rs828600   | A | G | 0.8526 | 0.0979  | 1.26E-08 | 32  |
| GCST90274846 | rs7217015  | C | G | 0.8006 | 0.1486  | 2.71E-25 | 108 |
| GCST90274846 | rs35049113 | T | C | 0.7513 | -0.2048 | 9.84E-53 | 234 |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274846 | rs828613   | A | G | 0.5421 | 0.0743  | 5.95E-10 | 38  |
| GCST90274846 | rs844159   | A | G | 0.539  | 0.0699  | 8.70E-10 | 38  |
| GCST90274846 | rs858516   | T | C | 0.5605 | 0.131   | 4.62E-30 | 130 |
| GCST90274846 | rs858518   | A | G | 0.5821 | 0.1286  | 1.46E-28 | 123 |
| GCST90274846 | rs858519   | T | C | 0.4404 | -0.1341 | 2.02E-31 | 136 |
| GCST90274846 | rs858522   | A | C | 0.5525 | -0.1003 | 3.50E-17 | 71  |
| GCST90274846 | rs9630723  | A | G | 0.9688 | 0.2241  | 1.09E-08 | 33  |
| GCST90274846 | rs9646411  | T | C | 0.1985 | -0.1485 | 6.19E-25 | 106 |
| GCST90274846 | rs9675122  | C | G | 0.366  | -0.1125 | 3.27E-21 | 89  |
| GCST90274846 | rs6503025  | T | C | 0.2343 | -0.1375 | 2.31E-24 | 104 |
| GCST90274846 | rs34914463 | T | C | 0.8858 | 0.1998  | 2.32E-25 | 108 |
| GCST90274846 | rs34951138 | C | G | 0.2565 | 0.2093  | 3.37E-59 | 263 |
| GCST90274846 | rs3826440  | T | C | 0.7654 | 0.1376  | 2.14E-24 | 104 |
| GCST90274846 | rs35119871 | T | C | 0.3223 | 0.1202  | 1.48E-22 | 95  |
| GCST90274846 | rs35225200 | A | C | 0.9184 | -0.174  | 7.98E-15 | 60  |
| GCST90274846 | rs35518360 | A | T | 0.9238 | -0.1808 | 2.90E-15 | 62  |
| GCST90274846 | rs35547626 | T | C | 0.6824 | -0.1129 | 6.12E-17 | 70  |
| GCST90274846 | rs35894069 | A | G | 0.3345 | 0.1593  | 1.23E-36 | 160 |
| GCST90274846 | rs35899238 | T | G | 0.6115 | -0.112  | 8.57E-20 | 83  |
| GCST90274846 | rs7214850  | C | G | 0.2341 | -0.1366 | 4.57E-24 | 102 |
| GCST90274846 | rs727428   | T | C | 0.4376 | -0.1311 | 4.18E-30 | 130 |
| GCST90274846 | rs72827503 | T | G | 0.2011 | -0.146  | 1.14E-22 | 96  |
| GCST90274846 | rs3758348  | C | G | 0.1417 | -0.1149 | 5.46E-09 | 34  |
| GCST90274846 | rs3760213  | A | G | 0.1105 | -0.2047 | 1.86E-28 | 122 |
| GCST90274846 | rs3803796  | C | G | 0.8986 | 0.2295  | 1.32E-32 | 141 |
| GCST90274846 | rs72827590 | A | G | 0.8889 | 0.2059  | 8.99E-29 | 124 |
| GCST90274846 | rs3853820  | A | T | 0.7998 | 0.1485  | 2.91E-25 | 108 |
| GCST90274846 | rs7209131  | T | C | 0.6293 | 0.1102  | 1.67E-19 | 82  |
| GCST90274846 | rs7210231  | A | C | 0.2023 | -0.1431 | 1.42E-23 | 100 |
| GCST90274846 | rs7210292  | T | G | 0.1981 | -0.1474 | 1.37E-24 | 105 |
| GCST90274846 | rs7222404  | A | G | 0.1988 | -0.1471 | 1.69E-24 | 104 |

|              |            |   |   |        |         |          |     |
|--------------|------------|---|---|--------|---------|----------|-----|
| GCST90274846 | rs7214088  | A | G | 0.7595 | 0.1353  | 2.56E-23 | 99  |
| GCST90274846 | rs7225954  | A | G | 0.5887 | 0.1058  | 7.46E-20 | 83  |
| GCST90274846 | rs651007   | T | C | 0.2118 | -0.1089 | 4.02E-12 | 48  |
| GCST90274846 | rs6608     | T | C | 0.1638 | -0.1727 | 1.74E-28 | 123 |
| GCST90274846 | rs72827540 | A | G | 0.1029 | -0.2291 | 1.69E-32 | 141 |
| GCST90274846 | rs72827565 | A | G | 0.1098 | -0.21   | 1.46E-29 | 127 |
| GCST90274846 | rs7216801  | A | T | 0.8002 | 0.1478  | 1.02E-24 | 105 |
| GCST90274846 | rs6792234  | A | G | 0.1494 | -0.0933 | 1.56E-08 | 32  |
| GCST90274846 | rs6855246  | A | G | 0.9153 | -0.154  | 4.67E-11 | 43  |
| GCST90274846 | rs6503027  | A | C | 0.7996 | 0.1491  | 1.88E-25 | 109 |
| GCST90274846 | rs7218694  | A | C | 0.4009 | -0.1179 | 4.19E-19 | 80  |
| GCST90274846 | rs7219992  | T | C | 0.2419 | -0.1325 | 1.98E-22 | 95  |
| GCST90274846 | rs9411378  | A | C | 0.2696 | -0.0867 | 2.88E-09 | 35  |
| GCST90274846 | rs7225446  | T | C | 0.2341 | -0.1376 | 2.14E-24 | 104 |
| GCST90274846 | rs9630707  | A | G | 0.8067 | 0.1493  | 4.72E-23 | 98  |
| GCST90274846 | rs6503037  | A | G | 0.262  | 0.1858  | 3.39E-40 | 176 |
| GCST90274846 | rs67328311 | T | G | 0.3793 | -0.1078 | 6.50E-20 | 83  |
| GCST90274846 | rs66616380 | A | C | 0.1983 | -0.1474 | 1.37E-24 | 105 |
| GCST90274846 | rs9810407  | C | G | 0.9513 | 0.1494  | 3.96E-08 | 30  |
| GCST90274846 | rs72827584 | T | C | 0.1104 | -0.204  | 2.83E-28 | 122 |
| GCST90274846 | rs9303218  | T | C | 0.7662 | 0.1376  | 2.14E-24 | 104 |
| GCST90274846 | rs7208469  | A | G | 0.2863 | 0.1059  | 4.29E-17 | 71  |
| GCST90274846 | rs704580   | C | G | 0.1466 | -0.0979 | 1.52E-08 | 32  |
| GCST90274846 | rs6503029  | A | G | 0.2003 | -0.1482 | 3.63E-25 | 107 |
| GCST90274846 | rs6761     | T | C | 0.596  | 0.1104  | 3.88E-21 | 89  |
| GCST90274846 | rs858526   | A | G | 0.4381 | 0.1002  | 6.83E-17 | 70  |
| GCST90274846 | rs9533     | T | C | 0.2297 | -0.1386 | 2.17E-24 | 104 |
| GCST90274846 | rs6503034  | T | C | 0.5939 | 0.1124  | 3.17E-20 | 85  |
| GCST90274846 | rs71621626 | T | C | 0.081  | 0.1566  | 4.23E-12 | 48  |
| GCST90274846 | rs67232264 | A | C | 0.191  | -0.1367 | 8.15E-18 | 74  |
| GCST90274846 | rs6503032  | A | C | 0.1926 | -0.1504 | 2.27E-23 | 99  |

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\**SNP* single nucleotide polymorphism, *EA* effect allele, *OA* other allele, *EAF* effect allele frequency, *P* p-value, *F* F-statistic.