Supplementary Table 1. SNPs used as instrument variables and its association of LTL with AGA and AA.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **SNP** | **Chr** | **position** | **EA** | **OA** | **SNP-exposure (LTL)** | **SNP-outcome (AGA)** | **SNP-outcome (AA)** |
| **Beta** | **SE** | ***p*** | **Beta** | **SE** | ***p*** | **Beta** | **SE** | ***p*** |
| rs1003322 | 22 | 51072289 | A | C | 0.014  | 0.002  | 1.00E-08 | -0.030  | 0.202  | 0.881  | -0.036  | 0.117  | 0.756  |
| rs10112752 | 8 | 73958718 | A | G | -0.029  | 0.002  | 9.50E-46 | -0.052  | 0.144  | 0.718  | 0.088  | 0.083  | 0.292  |
| rs1023767 | 8 | 95530969 | A | G | -0.018  | 0.002  | 5.00E-15 | -0.037  | 0.147  | 0.801  | 0.032  | 0.085  | 0.706  |
| rs10768683 | 11 | 5247791 | G | C | 0.047  | 0.003  | 1.50E-64 | 0.086  | 0.177  | 0.626  | -0.034  | 0.103  | 0.738  |
| rs10773176 | 12 | 122944713 | G | A | -0.017  | 0.002  | 5.20E-14 | 0.056  | 0.181  | 0.759  | 0.181  | 0.105  | 0.084  |
| rs10805346 | 4 | 9920347 | C | T | 0.012  | 0.002  | 7.00E-09 | 0.141  | 0.144  | 0.325  | -0.049  | 0.083  | 0.557  |
| rs10840270 | 11 | 9629553 | G | C | 0.014  | 0.002  | 1.30E-11 | 0.088  | 0.152  | 0.563  | -0.006  | 0.088  | 0.944  |
| rs10845387 | 12 | 11757743 | A | G | -0.014  | 0.002  | 1.50E-11 | 0.015  | 0.155  | 0.925  | 0.022  | 0.089  | 0.807  |
| rs10905255 | 10 | 5870267 | T | G | -0.018  | 0.002  | 2.60E-19 | 0.158  | 0.144  | 0.275  | 0.224  | 0.083  | 0.007  |
| rs11085072 | 19 | 4368142 | T | C | -0.013  | 0.002  | 2.60E-08 | -0.072  | 0.194  | 0.712  | -0.128  | 0.112  | 0.254  |
| rs11117354 | 16 | 88092092 | C | T | 0.023  | 0.002  | 3.40E-26 | -0.082  | 0.145  | 0.572  | -0.099  | 0.084  | 0.237  |
| rs111527438 | 17 | 29252703 | C | T | 0.013  | 0.002  | 3.10E-09 | 0.093  | 0.153  | 0.542  | 0.088  | 0.088  | 0.321  |
| rs111950327 | 16 | 48283993 | C | G | 0.024  | 0.004  | 5.90E-09 | 0.576  | 0.319  | 0.071  | 0.424  | 0.184  | 0.021  |
| rs112394943 | 3 | 197842892 | C | T | -0.020  | 0.003  | 1.60E-12 | -0.246  | 0.170  | 0.148  | -0.049  | 0.098  | 0.619  |
| rs113525195 | 14 | 23499321 | A | C | -0.012  | 0.002  | 3.10E-08 | -0.089  | 0.156  | 0.571  | 0.160  | 0.090  | 0.075  |
| rs11412296 | 15 | 50366116 | T | TA | 0.033  | 0.002  | 1.40E-45 | -0.117  | 0.169  | 0.489  | 0.002  | 0.097  | 0.984  |
| rs11557154 | 9 | 34107505 | T | C | -0.034  | 0.003  | 1.10E-30 | -0.163  | 0.211  | 0.438  | -0.060  | 0.122  | 0.620  |
| rs11579626 | 1 | 146741960 | C | A | 0.027  | 0.004  | 1.30E-13 | 0.394  | 0.218  | 0.071  | -0.171  | 0.126  | 0.175  |
| rs11584821 | 1 | 114419489 | T | C | -0.031  | 0.003  | 3.00E-31 | 0.146  | 0.185  | 0.431  | -0.116  | 0.107  | 0.280  |
| rs116863223 | 18 | 709396 | A | G | -0.082  | 0.009  | 2.60E-18 | -0.701  | 0.567  | 0.217  | 0.286  | 0.328  | 0.383  |
| rs11699829 | 20 | 62157200 | A | G | 0.064  | 0.006  | 1.50E-26 | 0.580  | 0.579  | 0.317  | -0.343  | 0.336  | 0.307  |
| rs117407747 | 7 | 159117178 | T | C | 0.045  | 0.006  | 1.80E-13 | -0.493  | 0.756  | 0.515  | 0.763  | 0.421  | 0.070  |
| rs117512405 | 20 | 62574274 | A | G | -0.079  | 0.008  | 9.50E-22 | 0.014  | 0.317  | 0.966  | -0.196  | 0.185  | 0.290  |
| rs117630647 | 7 | 124779510 | A | G | 0.060  | 0.007  | 1.40E-16 | 0.569  | 0.566  | 0.315  | -0.079  | 0.322  | 0.805  |
| rs11769630 | 7 | 50257703 | A | T | -0.026  | 0.004  | 4.30E-11 | 0.129  | 0.238  | 0.588  | -0.102  | 0.136  | 0.456  |
| rs11991877 | 8 | 56664524 | A | T | -0.030  | 0.003  | 3.20E-21 | -0.129  | 0.204  | 0.528  | 0.077  | 0.118  | 0.513  |
| rs12369950 | 12 | 24762109 | C | T | -0.018  | 0.003  | 8.00E-10 | 0.003  | 0.199  | 0.990  | 0.047  | 0.116  | 0.683  |
| rs12412214 | 10 | 101276256 | A | G | -0.025  | 0.002  | 3.40E-28 | -0.038  | 0.146  | 0.793  | -0.010  | 0.084  | 0.902  |
| rs1291143 | 20 | 35525640 | C | A | 0.049  | 0.003  | 1.80E-69 | -0.177  | 0.171  | 0.300  | 0.092  | 0.099  | 0.354  |
| rs12925933 | 22 | 90141355 | C | A | -0.015  | 0.002  | 7.00E-12 | -0.053  | 0.144  | 0.714  | 0.019  | 0.083  | 0.822  |
| rs12932179 | 8 | 9072085 | G | A | -0.014  | 0.002  | 1.80E-11 | -0.204  | 0.147  | 0.165  | -0.033  | 0.085  | 0.699  |
| rs13062095 | 8 | 101267385 | C | T | 0.014  | 0.002  | 9.70E-11 | -0.104  | 0.148  | 0.480  | 0.101  | 0.085  | 0.235  |
| rs13230646 | 11 | 23930316 | C | T | -0.017  | 0.002  | 8.90E-14 | -0.181  | 0.190  | 0.341  | 0.095  | 0.109  | 0.381  |
| rs1332941 | 12 | 41695100 | G | A | 0.026  | 0.003  | 5.90E-21 | 0.052  | 0.177  | 0.769  | 0.019  | 0.102  | 0.851  |
| rs137901416 | 4 | 73418095 | A | G | 0.046  | 0.003  | 4.70E-43 | -0.119  | 0.291  | 0.682  | -0.097  | 0.167  | 0.563  |
| rs139669835 | 11 | 729871 | T | C | -0.061  | 0.011  | 6.10E-09 | -1.056  | 1.910  | 0.580  | 1.686  | 1.105  | 0.127  |
| rs139795227 | 12 | 92842367 | C | A | 0.060  | 0.009  | 6.70E-12 | -0.662  | 0.433  | 0.126  | -0.237  | 0.254  | 0.352  |
| rs141214782 | 10 | 78954683 | TTATC | T | -0.025  | 0.003  | 2.00E-13 | -0.405  | 0.234  | 0.083  | -0.110  | 0.134  | 0.411  |
| rs142426306 | 19 | 62488152 | T | C | -0.050  | 0.005  | 8.70E-21 | -0.054  | 0.369  | 0.884  | -0.175  | 0.210  | 0.405  |
| rs143190905 | 16 | 62291767 | T | G | -0.072  | 0.004  | 1.60E-85 | -0.288  | 0.270  | 0.285  | -0.140  | 0.156  | 0.372  |
| rs144204502 | 17 | 76183233 | T | C | -0.101  | 0.009  | 3.40E-28 | -0.470  | 0.376  | 0.212  | 0.072  | 0.218  | 0.741  |
| rs145114957 | 16 | 94322469 | G | C | 0.027  | 0.005  | 4.60E-08 | -0.344  | 0.371  | 0.353  | 0.335  | 0.212  | 0.114  |
| rs150150565 | 3 | 708207 | T | C | 0.064  | 0.007  | 6.80E-18 | -0.757  | 0.522  | 0.147  | 0.111  | 0.303  | 0.715  |
| rs1611236 | 14 | 29748690 | A | G | -0.016  | 0.002  | 6.10E-14 | -0.221  | 0.178  | 0.214  | -0.098  | 0.102  | 0.336  |
| rs16978028 | 15 | 42070981 | T | A | -0.030  | 0.003  | 8.20E-26 | -0.127  | 0.261  | 0.626  | 0.198  | 0.150  | 0.188  |
| rs17445108 | 9 | 57082058 | A | G | -0.017  | 0.003  | 2.00E-08 | 0.136  | 0.218  | 0.532  | -0.065  | 0.126  | 0.605  |
| rs17677991 | 1 | 42032383 | G | C | 0.022  | 0.002  | 4.40E-26 | -0.123  | 0.146  | 0.400  | 0.063  | 0.084  | 0.454  |
| rs182059586 | 1 | 14652220 | C | T | -0.057  | 0.007  | 4.90E-17 | -1.010  | 0.844  | 0.231  | -0.378  | 0.487  | 0.438  |
| rs185174247 | 18 | 138914024 | A | G | 0.037  | 0.004  | 1.10E-17 | -0.500  | 0.421  | 0.235  | -0.098  | 0.238  | 0.682  |
| rs188918174 | 20 | 54473646 | T | C | 0.040  | 0.005  | 1.20E-13 | -0.338  | 0.337  | 0.315  | -0.276  | 0.195  | 0.157  |
| rs1907702 | 7 | 88955469 | A | G | 0.015  | 0.002  | 5.90E-10 | -0.235  | 0.177  | 0.185  | 0.017  | 0.103  | 0.870  |
| rs1957937 | 20 | 96181360 | T | A | 0.021  | 0.003  | 1.90E-14 | 0.007  | 0.185  | 0.970  | -0.102  | 0.106  | 0.338  |
| rs1985369 | 7 | 159119220 | G | A | -0.031  | 0.003  | 3.60E-25 | 0.183  | 0.228  | 0.423  | 0.140  | 0.131  | 0.285  |
| rs2056726 | 7 | 99780283 | A | G | -0.023  | 0.002  | 7.90E-21 | 0.234  | 0.171  | 0.171  | -0.004  | 0.099  | 0.968  |
| rs2230590 | 8 | 49936102 | C | T | -0.016  | 0.002  | 3.60E-15 | -0.055  | 0.145  | 0.707  | 0.077  | 0.084  | 0.359  |
| rs2282764 | 12 | 2255063 | G | A | -0.022  | 0.003  | 9.30E-15 | 0.013  | 0.205  | 0.950  | -0.155  | 0.118  | 0.188  |
| rs2293579 | 10 | 47440758 | A | G | -0.013  | 0.002  | 3.30E-10 | -0.131  | 0.157  | 0.404  | -0.016  | 0.091  | 0.864  |
| rs2538745 | 20 | 76310784 | C | T | -0.013  | 0.002  | 3.10E-10 | -0.031  | 0.143  | 0.831  | 0.167  | 0.083  | 0.043  |
| rs2555104 | 22 | 17841243 | C | A | -0.014  | 0.002  | 6.60E-12 | 0.155  | 0.143  | 0.277  | 0.054  | 0.082  | 0.515  |
| rs28363070 | 8 | 1415068 | A | G | 0.076  | 0.010  | 3.50E-15 | -1.039  | 1.584  | 0.512  | 0.632  | 0.935  | 0.499  |
| rs28502153 | 8 | 17469049 | A | C | -0.022  | 0.002  | 1.20E-25 | -0.095  | 0.147  | 0.517  | -0.096  | 0.085  | 0.260  |
| rs28577594 | 11 | 123895906 | C | G | 0.019  | 0.002  | 5.40E-17 | -0.140  | 0.158  | 0.375  | -0.040  | 0.091  | 0.663  |
| rs2967355 | 12 | 82200103 | C | A | -0.046  | 0.002  | 4.00E-83 | -0.143  | 0.189  | 0.450  | 0.099  | 0.108  | 0.359  |
| rs2977608 | 4 | 768253 | C | A | 0.013  | 0.002  | 3.00E-08 | 0.301  | 0.155  | 0.053  | 0.080  | 0.090  | 0.371  |
| rs3093888 | 11 | 20812951 | A | G | -0.029  | 0.005  | 1.50E-10 | 0.103  | 0.251  | 0.682  | -0.011  | 0.145  | 0.942  |
| rs35640778 | 12 | 62321128 | A | G | -0.209  | 0.007  | 9.59E-195 | -0.246  | 0.622  | 0.693  | 0.435  | 0.361  | 0.228  |
| rs3767952 | 10 | 41231032 | A | G | 0.013  | 0.002  | 1.80E-08 | 0.162  | 0.171  | 0.343  | -0.061  | 0.099  | 0.535  |
| rs3785074 | 19 | 69406986 | G | A | 0.024  | 0.002  | 2.60E-27 | 0.077  | 0.176  | 0.663  | -0.081  | 0.101  | 0.426  |
| rs3891167 | 16 | 658423 | G | A | -0.043  | 0.002  | 1.20E-70 | -0.317  | 0.167  | 0.058  | -0.053  | 0.096  | 0.580  |
| rs41269079 | 17 | 45252015 | A | T | 0.015  | 0.003  | 1.70E-09 | -0.311  | 0.175  | 0.076  | 0.006  | 0.101  | 0.954  |
| rs41304832 | 16 | 62375508 | A | G | 0.061  | 0.009  | 5.00E-11 | -0.215  | 0.371  | 0.563  | -0.128  | 0.217  | 0.557  |
| rs429358 | 3 | 45411941 | C | T | 0.017  | 0.003  | 3.80E-10 | 0.262  | 0.186  | 0.161  | -0.066  | 0.107  | 0.538  |
| rs4498805 | 14 | 110910397 | T | G | 0.015  | 0.002  | 5.70E-14 | -0.109  | 0.143  | 0.444  | -0.104  | 0.082  | 0.206  |
| rs4530278 | 15 | 33752994 | T | G | 0.014  | 0.002  | 1.50E-11 | -0.132  | 0.146  | 0.368  | 0.062  | 0.084  | 0.461  |
| rs45604339 | 9 | 65543102 | T | C | -0.020  | 0.002  | 4.30E-22 | 0.060  | 0.146  | 0.680  | 0.019  | 0.084  | 0.826  |
| rs4616688 | 1 | 160042459 | T | G | -0.017  | 0.002  | 4.50E-18 | -0.175  | 0.146  | 0.231  | -0.054  | 0.084  | 0.522  |
| rs4695407 | 1 | 48843372 | G | A | 0.014  | 0.002  | 1.50E-12 | 0.111  | 0.143  | 0.439  | -0.099  | 0.082  | 0.231  |
| rs4724 | 18 | 7760397 | A | G | -0.055  | 0.003  | 9.80E-69 | 0.271  | 0.232  | 0.243  | 0.369  | 0.134  | 0.006  |
| rs4731541 | 20 | 128678236 | G | C | -0.021  | 0.002  | 1.40E-23 | -0.223  | 0.148  | 0.133  | 0.037  | 0.086  | 0.667  |
| rs4743037 | 7 | 109639970 | T | C | 0.015  | 0.002  | 5.10E-10 | 0.117  | 0.174  | 0.502  | 0.108  | 0.100  | 0.279  |
| rs55747751 | 20 | 132397351 | A | G | -0.021  | 0.004  | 1.70E-08 | -0.279  | 0.314  | 0.374  | -0.116  | 0.179  | 0.518  |
| rs56799554 | 7 | 41456413 | G | A | -0.026  | 0.003  | 3.00E-22 | -0.017  | 0.169  | 0.922  | -0.015  | 0.098  | 0.879  |
| rs5742915 | 7 | 74336633 | C | T | 0.019  | 0.002  | 1.60E-21 | 0.129  | 0.145  | 0.375  | 0.015  | 0.084  | 0.856  |
| rs59409453 | 8 | 1666218 | G | A | 0.020  | 0.002  | 1.60E-18 | -0.047  | 0.177  | 0.790  | -0.055  | 0.102  | 0.588  |
| rs6054257 | 12 | 66370 | A | G | -0.014  | 0.002  | 1.10E-08 | -0.037  | 0.178  | 0.836  | 0.097  | 0.103  | 0.349  |
| rs611646 | 10 | 108177097 | A | T | -0.037  | 0.002  | 3.50E-73 | -0.138  | 0.146  | 0.344  | 0.083  | 0.084  | 0.323  |
| rs61405042 | 20 | 67200 | T | C | -0.050  | 0.006  | 8.50E-17 | 0.045  | 0.685  | 0.947  | -0.752  | 0.394  | 0.057  |
| rs61748181 | 22 | 1294166 | T | C | -0.059  | 0.006  | 2.80E-23 | -0.361  | 0.316  | 0.253  | -0.151  | 0.184  | 0.413  |
| rs6536702 | 8 | 164028105 | A | G | 0.053  | 0.002  | 9.40E-111 | -0.083  | 0.183  | 0.649  | 0.004  | 0.106  | 0.971  |
| rs6584579 | 8 | 105645725 | G | A | 0.011  | 0.002  | 2.00E-08 | -0.110  | 0.153  | 0.473  | -0.054  | 0.088  | 0.537  |
| rs6587577 | 11 | 151402045 | G | A | -0.018  | 0.003  | 4.80E-12 | 0.464  | 0.196  | 0.018  | 0.117  | 0.113  | 0.298  |
| rs6659669 | 12 | 185315067 | T | C | -0.012  | 0.002  | 1.10E-08 | -0.041  | 0.144  | 0.775  | 0.067  | 0.083  | 0.424  |
| rs6669563 | 4 | 32279629 | A | G | 0.018  | 0.002  | 2.10E-19 | -0.065  | 0.144  | 0.649  | 0.031  | 0.083  | 0.708  |
| rs66731853 | 11 | 20916238 | A | G | -0.018  | 0.002  | 1.50E-16 | -0.136  | 0.180  | 0.448  | -0.012  | 0.104  | 0.907  |
| rs6776756 | 12 | 128215821 | A | G | -0.017  | 0.002  | 1.10E-17 | 0.004  | 0.144  | 0.980  | -0.031  | 0.083  | 0.714  |
| rs6790988 | 10 | 170263320 | G | A | 0.015  | 0.002  | 1.80E-10 | -0.108  | 0.170  | 0.523  | -0.044  | 0.098  | 0.651  |
| rs6881568 | 19 | 1670265 | A | C | 0.017  | 0.002  | 3.70E-16 | -0.116  | 0.161  | 0.472  | 0.044  | 0.092  | 0.636  |
| rs7099229 | 16 | 96134685 | A | G | -0.015  | 0.002  | 8.40E-12 | 0.043  | 0.189  | 0.820  | 0.032  | 0.108  | 0.767  |
| rs7164950 | 17 | 56775385 | G | A | 0.013  | 0.002  | 2.30E-10 | 0.100  | 0.145  | 0.490  | -0.030  | 0.084  | 0.719  |
| rs7209057 | 16 | 65705530 | A | G | 0.012  | 0.002  | 5.70E-09 | -0.067  | 0.144  | 0.640  | -0.127  | 0.083  | 0.127  |
| rs7221585 | 3 | 76195153 | T | C | 0.014  | 0.002  | 6.70E-09 | 0.054  | 0.159  | 0.736  | 0.120  | 0.092  | 0.192  |
| rs73581419 | 14 | 21941148 | T | C | 0.023  | 0.003  | 1.30E-12 | -0.068  | 0.261  | 0.796  | -0.185  | 0.151  | 0.220  |
| rs73730598 | 15 | 77973 | A | G | 0.027  | 0.004  | 4.70E-10 | 0.138  | 0.286  | 0.630  | 0.086  | 0.166  | 0.604  |
| rs75664430 | 9 | 8064779 | G | C | -0.024  | 0.002  | 3.60E-24 | -0.032  | 0.182  | 0.859  | 0.078  | 0.105  | 0.455  |
| rs76065543 | 1 | 74678063 | T | C | 0.034  | 0.003  | 4.20E-32 | 0.357  | 0.185  | 0.054  | 0.093  | 0.106  | 0.381  |
| rs76219171 | 1 | 50188929 | A | G | 0.036  | 0.004  | 7.80E-17 | -0.042  | 0.381  | 0.913  | -0.335  | 0.222  | 0.132  |
| rs762679 | 18 | 48885436 | A | T | 0.031  | 0.003  | 1.40E-27 | 0.341  | 0.190  | 0.074  | 0.080  | 0.110  | 0.469  |
| rs76666449 | 20 | 120904895 | C | T | 0.030  | 0.003  | 8.20E-19 | -0.148  | 0.209  | 0.478  | 0.003  | 0.120  | 0.978  |
| rs77231040 | 7 | 106280527 | C | G | 0.099  | 0.013  | 2.00E-13 | -0.609  | 0.455  | 0.180  | 0.355  | 0.261  | 0.174  |
| rs7772289 | 20 | 28674322 | T | G | 0.018  | 0.002  | 1.70E-18 | 0.146  | 0.150  | 0.331  | -0.058  | 0.087  | 0.502  |
| rs77732866 | 7 | 58979879 | A | G | 0.018  | 0.003  | 9.20E-10 | 0.104  | 0.205  | 0.613  | -0.152  | 0.118  | 0.198  |
| rs7790856 | 7 | 124459852 | T | C | -0.044  | 0.002  | 1.80E-87 | -0.142  | 0.171  | 0.409  | 0.073  | 0.099  | 0.459  |
| rs78491606 | 8 | 72891547 | C | A | -0.076  | 0.007  | 1.90E-24 | -0.265  | 0.432  | 0.539  | -0.075  | 0.251  | 0.765  |
| rs79977579 | 12 | 54694560 | A | C | 0.028  | 0.003  | 2.30E-16 | -0.197  | 0.247  | 0.426  | 0.009  | 0.142  | 0.948  |
| rs80116508 | 10 | 3650970 | A | G | -0.035  | 0.004  | 2.00E-17 | -0.054  | 0.262  | 0.836  | -0.061  | 0.152  | 0.688  |
| rs80324517 | 20 | 204031 | A | G | 0.040  | 0.005  | 1.80E-17 | 0.132  | 0.293  | 0.652  | 0.047  | 0.170  | 0.783  |
| rs8102497 | 22 | 57370055 | A | G | -0.015  | 0.002  | 1.40E-13 | 0.076  | 0.144  | 0.595  | -0.014  | 0.083  | 0.868  |
| rs869785 | 8 | 24347800 | C | T | -0.015  | 0.002  | 4.40E-12 | 0.151  | 0.151  | 0.317  | -0.176  | 0.087  | 0.044  |
| rs871134 | 8 | 7044380 | T | C | -0.018  | 0.002  | 1.70E-19 | -0.222  | 0.144  | 0.123  | 0.050  | 0.083  | 0.547  |
| rs932002 | 11 | 226577306 | T | C | -0.040  | 0.003  | 7.30E-47 | -0.163  | 0.168  | 0.333  | -0.036  | 0.097  | 0.709  |
| rs9398196 | 12 | 109601554 | G | A | -0.014  | 0.002  | 9.50E-13 | -0.209  | 0.148  | 0.157  | -0.004  | 0.085  | 0.965  |
| rs939916 | 4 | 202253 | A | G | 0.024  | 0.002  | 6.60E-29 | 0.076  | 0.162  | 0.641  | -0.035  | 0.094  | 0.710  |
| rs9600019 | 11 | 73317585 | T | C | 0.013  | 0.002  | 2.40E-09 | 0.086  | 0.148  | 0.561  | -0.063  | 0.085  | 0.458  |
| rs9878436 | 12 | 138244400 | T | C | -0.014  | 0.002  | 1.20E-12 | -0.478  | 0.150  | 0.001  | -0.093  | 0.086  | 0.281  |
| rs9940099 | 10 | 3613207 | T | G | -0.034  | 0.004  | 3.20E-16 | -0.064  | 0.262  | 0.806  | 0.400  | 0.414  | 0.335  |
| rs9955360 | 19 | 78008334 | A | C | -0.019  | 0.003  | 2.20E-10 | -0.316  | 0.204  | 0.122  | 0.153  | 0.118  | 0.194  |

**Abbreviations:** SNP: single-nucleotide polymorphism; LTL: leukocyte telomere length; AGA: androgenetic alopecia; AA: alopecia areata; EA effect allele; OA other allele; SE standard error.