**Supplementary Table 2. Results of eQTL analysis.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CHR** | **BP** | **Leading SNP** | **Gene** | ***p* for eQTL analysis** | **eQTL gene** |
| 1 | 207,269,858  | rs3813948 | *C4BPB* | 2.70×10-62 | *C4BPA* |
| 1 | 207,270,758  | rs11799737 | *C4BPB* | 5.96×10-52 | *C4BPA* |
| 1 | 207,272,272  | rs72468029 | *C4BPB* | 6.34×10-62 | *C4BPA* |
| 1 | 207,278,451  | rs11120218 | *C4BPA* | 8.59×10-28 | *C4BPA* |
| 1 | 207,279,481  | rs12057769 | *C4BPA* | 2.69×10-63 | *C4BPA* |
| 1 | 207,280,739  | rs12065624 | *C4BPA* | 1.68×10-62 | *C4BPA* |
| 1 | 207,280,764  | rs12063500 | *C4BPA* | 2.49×10-61 | *C4BPA* |
| 1 | 207,288,897  | rs12031629 | *C4BPA* | 4.47×10-5 | *C4BPA* |
| 1 | 207,300,259  | rs2491393 | *C4BPA* | 5.74×10-6 | *CD55* |
| 1 | 207,305,670  | rs4266889 | *C4BPA* | 5.59×10-6 | *CD55* |
| 1 | 207,314,388  | rs12043615 | *C4BPA* | 1.68×10-12 | *CD55* |
| 1 | 207,495,427  | rs7533852 | *CD55* | 5.96×10-10 | *CD55* |
| 1 | 207,496,129  | rs4844590 | *CD55* | 7.29×10-6 | *CD55* |
| 1 | 207,496,896  | rs28371597 | *CD55* | 5.89×10-6 | *CD55* |
| 1 | 207,498,644  | rs6681853 | *CD55* | 7.33×10-28 | *CD55* |
| 1 | 207,500,293  | rs4844591 | *CD55* | 1.51×10-28 | *CD55* |
| 1 | 207,501,211  | rs4844592 | *CD55* | 6.16×10-29 | *CD55* |
| 1 | 207,501,527  | rs6691942 | *CD55* | 1.69×10-10 | *CD55* |
| 1 | 207,501,866  | rs6692273 | *CD55* | 1.58×10-10 | *CD55* |
| 1 | 207,501,872  | rs6700079 | *CD55* | 2.19×10-28 | *CD55* |
| 1 | 207,502,347  | rs6702997 | *CD55* | 1.46×10-28 | *CD55* |
| 1 | 207,502,372  | rs6703002 | *CD55* | 1.46×10-28 | *CD55* |
| 1 | 207,502,534  | rs6700168 | *CD55* | 2.98×10-28 | *CD55* |
| 1 | 207,502,891  | rs7548463 | *CD55* | 2.19×10-28 | *CD55* |
| 1 | 207,503,208  | rs1395969 | *CD55* | 2.19×10-28 | *CD55* |
| 1 | 207,503,432  | rs925130 | *CD55* | 2.19×10-28 | *CD55* |
| 1 | 207,504,669  | rs2184476 | *CD55* | 1.90×10-28 | *CD55* |
| 1 | 207,504,748  | rs1507757 | *CD55* | 2.19×10-28 | *CD55* |
| 1 | 207,505,274  | rs28371614 | *CD55* | 1.59×10-5 | *CD55* |
| 1 | 207,505,709  | rs6662070 | *CD55* | 4.16×10-29 | *CD55* |
| 1 | 207,506,329  | rs10864231 | *CD55* | 2.19×10-28 | *CD55* |
| 1 | 207,506,606  | rs12133548 | *CD55* | 2.19×10-28 | *CD55* |
| 1 | 207,506,649  | rs11120733 | *CD55* | 2.19×10-28 | *CD55* |
| 1 | 207,507,481  | rs1507758 | *CD55* | 5.03×10-29 | *CD55* |
| 1 | 207,507,628  | rs1507759 | *CD55* | 2.24×10-28 | *CD55* |
| 1 | 207,508,492  | rs1354942 | *CD55* | 2.86×10-28 | *CD55* |
| 1 | 207,508,730  | rs7555030 | *CD55* | 2.75×10-28 | *CD55* |
| 1 | 207,508,950  | rs7512422 | *CD55* | 9.49×10-29 | *CD55* |
| 1 | 207,509,022  | rs7544288 | *CD55* | 1.02×10-10 | *CD55* |
| 1 | 207,509,365  | rs1507760 | *CD55* | 1.57×10-28 | *CD55* |
| 1 | 207,509,799  | rs1507761 | *CD55* | 1.06×10-27 | *CD55* |
| 1 | 207,510,548  | rs10746462 | *CD55* | 2.19×10-28 | *CD55* |
| 1 | 207,510,596  | rs113231892 | *CD55* | 2.19×10-28 | *CD55* |
| 1 | 207,513,218  | rs113742197 | *CD55* | 6.40×10-28 | *CD55* |
| 1 | 207,514,345  | rs111385641 | *CD55* | 7.29×10-6 | *CD55* |
| 1 | 207,515,756  | rs111560961 | *CD55* | 6.62×10-6 | *CD55* |
| 1 | 207,516,361  | rs112172464 | *CD55* | 9.38×10-28 | *CD55* |
| 1 | 207,519,137  | rs112720427 | *CD55* | 1.26×10-28 | *CD55* |
| 1 | 207,519,523  | rs112511970 | *CD55* | 2.33×10-28 | *CD55* |
| 1 | 207,520,376  | rs111904483 | *CD55* | 7.29×10-6 | *CD55* |
| 1 | 207,521,434  | rs12140999 | *CD55* | 2.73×10-10 | *CD55* |
| 1 | 207,522,558  | rs139404443 | *CD55* | 3.82×10-10 | *CD55* |
| 1 | 207,525,370  | rs113298774 | *CD55* | 1.90×10-5 | *CD55* |
| 1 | 207,526,593  | rs113849985 | *CD55* | 5.82×10-28 | *CD55* |
| 1 | 207,527,285  | rs113625571 | *CD55* | 1.32×10-5 | *CD55* |
| 1 | 207,529,227  | rs113937202 | *CD55* | 1.22×10-5 | *CD55* |
| 1 | 207,529,576  | rs111707039 | *CD55* | 1.78×10-5 | *CD55* |
| 1 | 207,534,679  | rs11120766 | *CD55* | 3.51×10-8 | *CD55* |
| 1 | 207,535,246  | rs1507765 | *CD55* | 3.85×10-9 | *CD55* |
| 1 | 207,535,335  | rs35028790 | *CD55* | 1.61×10-10 | *CD55* |
| 1 | 207,535,631  | rs12066318 | *CD55* | 1.61×10-10 | *CD55* |
| 1 | 207,536,845  | rs11120769 | *CD55* | 4.82×10-8 | *CD55* |
| 1 | 207,536,971  | rs11117564 | *CD55* | 2.48×10-8 | *CD55* |
| 1 | 207,539,710  | rs4844594 | *CD55* | 1.06×10-8 | *CD55* |
| 1 | 207,541,571  | rs12405364 | *CD55* | 1.60×10-8 | *CD55* |
| 1 | 207,547,253  | rs6540429 | *CD55* | 5.36×10-9 | *CD55* |
| 1 | 207,548,217  | rs906463 | *CD55* | 2.50×10-8 | *CD55* |
| 1 | 207,548,346  | rs10863245 | *CD55* | 1.61×10-10 | *CD55* |
| 1 | 207,548,626  | rs6664477 | *CD55* | 4.21×10-8 | *CD55* |
| 1 | 207,549,179  | rs2089493 | *CD55* | 4.82×10-8 | *CD55* |
| 1 | 207,549,582  | rs11117607 | *CD55* | 2.47×10-8 | *CD55* |
| 1 | 207,553,282  | rs10746364 | *CD55* | 9.13×10-11 | *CD55* |
| 1 | 207,554,334  | rs1876455 | *CD55* | 3.21×10-8 | *CD55* |
| 1 | 207,554,493  | rs1995717 | *CD55* | 2.90×10-10 | *CD55* |
| 1 | 207,673,414  | rs61822963 | *CR1* | 4.37×10-5 | *CD55* |
| 6 | 31,914,180  | rs641153 | *CFB* | 1.64×10-20 | *SKIV2L* |
| 6 | 31,914,935  | rs1048709 | *CFB* | 2.85×10-16 | *HLA-DRB5* |
| 6 | 31,914,935  | rs1048709 | *CFB* | 3.64×10-7 | *HLA-DRB9* |
| 6 | 31,914,935  | rs1048709 | *CFB* | 8.47×10-7 | *HLA-DQB1* |
| 6 | 31,914,935  | rs1048709 | *CFB* | 1.09×10-5 | *C4B* |
| 6 | 31,914,935  | rs1048709 | *CFB* | 5.52×10-5 | *DDAH2* |
| 6 | 31,914,935  | rs1048709 | *CFB* | 5.02×10-11 | *HLA-DQB2* |
| 6 | 31,914,935  | rs1048709 | *CFB* | 1.80×10-10 | *HLA-DRB6* |
| 6 | 31,914,935  | rs1048709 | *CFB* | 5.27×10-7 | *HLA-DQA2* |
| 6 | 31,916,400  | rs537160 | *CFB* | 4.87×10-7 | *CYP21A1P* |
| 6 | 31,916,400  | rs537160 | *CFB* | 1.47×10-5 | *HLA-DRB1* |
| 6 | 31,916,400  | rs537160 | *CFB* | 7.39×10-13 | *HLA-DQA2* |
| 6 | 31,916,400  | rs537160 | *CFB* | 5.30×10-8 | *HLA-DRB6* |
| 6 | 31,916,400  | rs537160 | *CFB* | 3.10×10-10 | *HLA-DQB2* |
| 6 | 31,916,400  | rs537160 | *CFB* | 4.49×10-7 | *HLA-S* |
| 6 | 31,916,400  | rs537160 | *CFB* | 2.27×10-5 | *AL671883.2* |
| 6 | 31,916,951  | rs541862 | *CFB* | 4.90×10-22 | *SKIV2L* |
| 6 | 31,919,578  | rs2072633 | *CFB* | 1.95×10-7 | *HLA-DQB2* |
| 6 | 31,919,578  | rs2072633 | *CFB* | 4.45×10-9 | *HLA-DQA2* |
| 6 | 31,919,578  | rs2072633 | *CFB* | 4.30×10-5 | *HLA-DRB1* |
| 6 | 31,919,578  | rs2072633 | *CFB* | 1.14×10-5 | *CYP21A1P* |
| 11 | 57,369,008  | rs28362947 | *SERPING1* | 4.95×10-5 | *SERPING1* |
| 11 | 57,369,013  | rs28362948 | *SERPING1* | 4.95×10-5 | *SERPING1* |
| 11 | 57,369,730  | rs11229063 | *SERPING1* | 4.95×10-5 | *SERPING1* |
| 11 | 57,369,957  | rs11820040 | *SERPING1* | 4.95×10-5 | *SERPING1* |
| 11 | 57,370,742  | rs78364821 | *SERPING1* | 1.99×10-5 | *SERPING1* |
| 11 | 57,371,192  | rs76525968 | *SERPING1* | 3.98×10-5 | *SERPING1* |
| 11 | 57,371,911  | rs28362949 | *SERPING1* | 5.56×10-5 | *SERPING1* |
| 11 | 57,371,918  | rs28362950 | *SERPING1* | 5.65×10-5 | *SERPING1* |
| 11 | 57,374,332  | rs11603020 | *SERPING1* | 6.19×10-5 | *SERPING1* |
| 11 | 57,374,871  | rs11229066 | *SERPING1* | 6.19×10-5 | *SERPING1* |
| 11 | 57,374,946  | rs11229067 | *SERPING1* | 5.79×10-5 | *SERPING1* |
| 11 | 57,375,463  | rs78624400 | *SERPING1* | 6.19×10-5 | *SERPING1* |
| 11 | 57,376,131  | rs138770460 | *SERPING1* | 5.67×10-5 | *SERPING1* |
| 11 | 57,377,968  | rs3824988 | *SERPING1* | 6.19×10-5 | *SERPING1* |
| 19 | 859,831  | rs8107095 | *CFD* | 2.25×10-11 | *MED16* |
| 19 | 859,831  | rs8107095 | *CFD* | 1.50×10-6 | *CFD* |
| 19 | 860,852  | rs1629038 | *CFD* | 1.87×10-19 | *CFD* |
| 19 | 860,852  | rs1629038 | *CFD* | 9.32×10-9 | *MED16* |
| 19 | 861,102  | rs1626564 | *CFD* | 9.14×10-9 | *MED16* |
| 19 | 861,102  | rs1626564 | *CFD* | 1.07×10-17 | *CFD* |
| 19 | 861,593  | rs1683563 | *CFD* | 3.43×10-18 | *CFD* |
| 19 | 861,593  | rs1683563 | *CFD* | 1.46×10-9 | *MED16* |
| 19 | 862,024  | rs1683561 | *CFD* | 9.27×10-7 | *CFD* |
| 19 | 862,355  | rs62132300 | *CFD* | 3.14×10-6 | *CFD* |
| 19 | 862,355  | rs62132300 | *CFD* | 1.43×10-11 | *MED16* |
| 19 | 862,396  | rs62132301 | *CFD* | 3.93×10-11 | *MED16* |
| 19 | 862,912  | rs3826945 | *CFD* | 7.05×10-7 | *CFD* |
| 19 | 863,388  | rs1135146 | *CFD* | 1.67×10-14 | *MED16* |

BP, base pair; CHR, chromosome; eQTL, expression quantitative trait locus; SNP, single-nucleotide polymorphism.