**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.