

| Gene_Name | CD56Bright | | | | CD56Dim | | | | CD56Bright: Liver vs. Blood | |
|-----------|-------------|-------------|----------|-----------|-------------|-------------|---------|----------|-----------------------------|---------|
| | Perfusate 1 | Perfusate 2 | PBMC 1 | PBMC 2 | Perfusate 1 | Perfusate 2 | PBMC 1 | PBMC 2 | FoldChange | p-value |
| IL8 | 116.67 | 559.40 | 48162.68 | 129617.02 | 626.60 | 8998.14 | 968.86 | 39325.94 | 308.69 | 0.04 |
| CSF2RB | 8.33 | 8.61 | 828.23 | 927.25 | 44.53 | 153.17 | 45.21 | 154.06 | 103.25 | 0.00 |
| PLAUR | 8.33 | 17.21 | 737.75 | 1531.52 | 44.53 | 413.22 | 90.43 | 575.15 | 88.65 | 0.01 |
| CD36 | 8.33 | 17.21 | 452.40 | 1260.64 | 28.63 | 81.93 | 6.46 | 65.05 | 63.12 | 0.03 |
| CCL2 | 16.67 | 8.61 | 487.19 | 718.88 | 3.18 | 42.75 | 27.99 | 1040.75 | 49.52 | 0.02 |
| CCR7 | 54.17 | 34.42 | 1600.78 | 1187.71 | 9.54 | 28.50 | 58.13 | 23.96 | 32.00 | 0.01 |
| FCGR2C | 8.33 | 17.21 | 215.76 | 458.42 | 683.86 | 331.29 | 338.03 | 643.62 | 26.35 | 0.02 |
| HLA-DRA | 620.87 | 395.88 | 11950.19 | 11189.51 | 330.80 | 1464.07 | 469.36 | 794.26 | 23.26 | 0.04 |
| CD83 | 208.35 | 215.15 | 4029.80 | 4573.74 | 305.35 | 1100.72 | 906.42 | 1016.78 | 20.25 | 0.01 |
| CDKN1A | 75.00 | 154.91 | 1698.22 | 2562.96 | 79.52 | 448.84 | 133.49 | 311.54 | 19.29 | 0.03 |
| CLEC4E | 8.33 | 8.61 | 180.96 | 145.86 | 3.18 | 14.25 | 6.46 | 68.47 | 19.16 | 0.02 |
| TLR2 | 12.50 | 25.82 | 229.68 | 510.51 | 34.99 | 85.49 | 17.22 | 212.26 | 19.03 | 0.03 |
| LILRB3 | 4.17 | 8.61 | 76.56 | 156.28 | 6.36 | 35.62 | 2.15 | 13.69 | 18.25 | 0.03 |
| SPP1 | 20.83 | 25.82 | 320.16 | 510.51 | 63.61 | 292.10 | 167.94 | 116.40 | 17.39 | 0.02 |
| ITGAX | 154.18 | 275.40 | 3131.97 | 3990.30 | 521.64 | 933.30 | 161.48 | 1078.41 | 17.15 | 0.04 |
| CD9 | 45.84 | 43.03 | 772.55 | 677.20 | 19.08 | 71.24 | 21.53 | 126.67 | 16.34 | 0.00 |
| CCL7 | 4.17 | 8.61 | 118.32 | 62.51 | 6.36 | 7.12 | 6.46 | 82.16 | 14.32 | 0.03 |
| HAMP | 4.17 | 8.61 | 118.32 | 62.51 | 3.18 | 3.56 | 10.77 | 3.42 | 14.32 | 0.03 |
| BTK | 4.17 | 8.61 | 69.60 | 104.19 | 28.63 | 39.18 | 12.92 | 30.81 | 14.22 | 0.04 |
| CEBPB | 158.34 | 189.33 | 2289.82 | 2177.47 | 289.45 | 431.03 | 178.70 | 510.10 | 12.91 | 0.01 |
| SERPING1 | 4.17 | 8.61 | 48.72 | 93.77 | 15.90 | 199.48 | 8.61 | 23.96 | 11.31 | 0.04 |
| SELL | 183.34 | 137.70 | 2018.38 | 1479.43 | 225.83 | 78.37 | 219.61 | 475.87 | 10.85 | 0.01 |
| TGFB1 | 37.50 | 25.82 | 375.84 | 291.72 | 15.90 | 46.31 | 27.99 | 30.81 | 10.63 | 0.01 |
| HLA-DRB3 | 383.36 | 318.43 | 3215.49 | 3823.60 | 232.19 | 1004.54 | 889.20 | 338.93 | 10.06 | 0.00 |
| HLA-DRB1 | 945.89 | 748.73 | 8101.35 | 7772.23 | 483.47 | 1916.47 | 1778.40 | 647.04 | 9.45 | 0.03 |
| CD82 | 66.67 | 120.49 | 591.59 | 854.32 | 209.93 | 427.47 | 678.20 | 746.33 | 7.94 | 0.04 |
| CIITA | 29.17 | 34.42 | 194.88 | 208.37 | 19.08 | 53.43 | 55.98 | 30.81 | 6.36 | 0.01 |
| TRAF1 | 425.03 | 473.34 | 2171.50 | 3010.96 | 1230.94 | 1741.92 | 2284.36 | 1941.13 | 5.70 | 0.04 |
| CARD9 | 8.33 | 8.61 | 41.76 | 41.67 | 9.54 | 10.69 | 17.22 | 10.27 | 4.92 | 0.01 |
| CD74 | 3654.39 | 3709.24 | 18763.96 | 17482.31 | 5130.51 | 7227.72 | 6568.88 | 7288.67 | 4.92 | 0.01 |
| NOD2 | 20.83 | 25.82 | 97.44 | 125.02 | 54.07 | 96.18 | 71.05 | 68.47 | 4.76 | 0.01 |
| PRKCD | 154.18 | 129.09 | 612.47 | 729.30 | 197.20 | 260.04 | 243.29 | 352.62 | 4.72 | 0.01 |
| CD79A | 8.33 | 8.61 | 27.84 | 31.26 | 3.18 | 14.25 | 10.77 | 30.81 | 3.48 | 0.02 |
| NCAM1 | 370.86 | 378.67 | 1238.87 | 1104.36 | 289.45 | 178.11 | 348.79 | 472.45 | 3.12 | 0.03 |
| NFKB1 | 304.18 | 361.46 | 856.07 | 979.34 | 397.59 | 826.43 | 684.66 | 948.31 | 2.77 | 0.01 |
| IL21R | 58.34 | 51.64 | 118.32 | 145.86 | 98.60 | 153.17 | 92.58 | 102.71 | 2.39 | 0.03 |
| IFNGR1 | 704.21 | 585.22 | 327.12 | 250.04 | 365.78 | 334.85 | 430.61 | 438.21 | -2.25 | 0.05 |
| TNFSF12 | 508.36 | 542.19 | 201.84 | 197.95 | 521.64 | 463.09 | 411.23 | 407.40 | -2.62 | 0.01 |
| CD28 | 137.51 | 163.52 | 48.72 | 41.67 | 6.36 | 21.37 | 2.15 | 6.85 | -3.32 | 0.01 |
| CD96 | 4154.42 | 5327.19 | 1552.06 | 1260.64 | 2471.42 | 3708.26 | 2945.34 | 3043.51 | -3.36 | 0.02 |
| RARRES3 | 1495.92 | 1376.98 | 438.48 | 333.39 | 1320.00 | 1360.76 | 908.58 | 1331.75 | -3.76 | 0.05 |
| TGFB2 | 1145.90 | 1204.86 | 313.20 | 312.56 | 760.19 | 965.36 | 708.35 | 866.15 | -3.76 | 0.01 |
| SH2D1A | 2425.15 | 1772.86 | 549.83 | 427.16 | 1084.63 | 562.83 | 977.47 | 1177.69 | -4.29 | 0.02 |
| KLRB1 | 9754.75 | 6936.54 | 2136.70 | 1635.71 | 11304.30 | 5535.67 | 2936.73 | 10564.97 | -4.41 | 0.02 |
| FYN | 5183.64 | 5146.46 | 1127.51 | 1135.62 | 3689.64 | 4858.85 | 4629.01 | 4210.93 | -4.56 | 0.00 |
| GF11 | 387.52 | 370.06 | 90.48 | 72.93 | 559.81 | 644.76 | 609.31 | 564.88 | -4.66 | 0.04 |
| KIR2DL3 | 258.35 | 327.03 | 48.72 | 52.09 | 900.15 | 808.62 | 454.29 | 455.33 | -5.78 | 0.03 |
| IKZF3 | 1087.57 | 1204.86 | 153.12 | 197.95 | 1189.59 | 1699.17 | 1272.44 | 1458.42 | -6.59 | 0.02 |
| CD6 | 383.36 | 499.16 | 48.72 | 72.93 | 423.04 | 901.24 | 964.56 | 366.32 | -7.36 | 0.02 |

Supplementary Table 2