**Table 5.** Genes in the “green” PBMC RNA-seq module that overlap with MS GWAS genes, and their module membership coefficients.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | |
| **HGNC symbol** | **Chr** | | **Start position** | **End position** | **Module membership coefficient** | **Module Membership p-value** |
| ALDH2 | 12 | 111766887 | | 111817529 | 0.90 | 1.16E-43 |
| NCF4 | 22 | 36860988 | | 36878015 | 0.87 | 2.39E-37 |
| FUCA2 | 6 | 143494811 | | 143511690 | 0.87 | 2.58E-37 |
| OS9 | 12 | 57693955 | | 57721557 | 0.86 | 6.47E-35 |
| TYMP | 22 | 50525752 | | 50530056 | 0.85 | 2.76E-34 |
| PIK3IP1 | 22 | 31281593 | | 31292534 | -0.83 | 3.37E-31 |
| EHBP1L1 | 11 | 65576038 | | 65592650 | 0.82 | 3.80E-30 |
| CTSH | 15 | 78921058 | | 78949574 | 0.81 | 1.11E-28 |
| ADAM15 | 1 | 155050566 | | 155062775 | 0.80 | 1.11E-27 |
| CD6 | 11 | 60971680 | | 61020377 | -0.80 | 1.42E-27 |
| TNFRSF25 | 1 | 6460786 | | 6466195 | -0.76 | 7.93E-23 |
| CFL1 | 11 | 65823022 | | 65862026 | 0.74 | 2.44E-21 |
| HHEX | 10 | 92689951 | | 92695646 | 0.71 | 2.62E-19 |
| HAAO | 2 | 42767089 | | 42792593 | 0.70 | 1.10E-18 |
| CDK2AP1 | 12 | 123260971 | | 123272334 | 0.70 | 1.62E-18 |
| PPM1F | 22 | 21919420 | | 21952837 | 0.64 | 1.20E-14 |
| IRF8 | 16 | 85898803 | | 85922609 | 0.63 | 2.39E-14 |
| CATSPER1 | 11 | 66016752 | | 66026517 | 0.62 | 1.44E-13 |
| SATB1 | 3 | 18345387 | | 18445588 | -0.60 | 1.02E-12 |
| BACH2 | 6 | 89926529 | | 90296908 | -0.58 | 1.00E-11 |
| MAP3K11 | 11 | 65597755 | | 65615382 | 0.57 | 2.71E-11 |
| IRF5 | 7 | 128937612 | | 128950035 | 0.54 | 2.12E-10 |
| DDB2 | 11 | 47214465 | | 47239240 | -0.53 | 1.01E-09 |
| PVR | 19 | 44643798 | | 44663583 | 0.51 | 4.35E-09 |
| STAT4 | 2 | 191029576 | | 191151596 | -0.49 | 1.58E-08 |
| SLC16A5 | 17 | 75087727 | | 75106162 | 0.49 | 2.72E-08 |
| IL2RA | 10 | 6010689 | | 6062370 | -0.48 | 5.24E-08 |
| GATA3 | 10 | 8045378 | | 8075203 | -0.47 | 8.70E-08 |
| IFITM3 | 11 | 319669 | | 327537 | 0.47 | 1.28E-07 |
| CRTC3 | 15 | 90529925 | | 90645345 | -0.44 | 7.26E-07 |
| SLAMF1 | 1 | 160608100 | | 160647295 | -0.44 | 7.73E-07 |
| FUCA1 | 1 | 23845077 | | 23868294 | 0.43 | 1.04E-06 |
| SLC39A13 | 11 | 47407132 | | 47416501 | -0.43 | 1.29E-06 |
| TUBD1 | 17 | 59859482 | | 59892945 | -0.43 | 1.53E-06 |
| GLB1 | 3 | 32996608 | | 33097230 | 0.42 | 2.80E-06 |
| ZNF48 | 16 | 30378106 | | 30400108 | -0.39 | 1.16E-05 |
| RRAS2 | 11 | 14277926 | | 14364506 | -0.39 | 1.77E-05 |
| NR1H3 | 11 | 47248300 | | 47269032 | 0.37 | 4.57E-05 |
| TMEM25 | 11 | 118531041 | | 118547280 | -0.33 | 3.09E-04 |
| EVI5 | 1 | 92508696 | | 92792404 | 0.32 | 4.35E-04 |
| NDFIP1 | 5 | 142108505 | | 142154443 | -0.30 | 9.89E-04 |
| SCO2 | 22 | 50523568 | | 50525606 | 0.28 | 2.44E-03 |
| POGLUT1 | 3 | 119468938 | | 119494708 | -0.27 | 2.71E-03 |