SUPPLEMENTAL MATERIAL:

**Methylome-wide Association Study of Multidimensional Resilience**

**Table S1.** Pearson Correlations for Resilience Phenotypes and Cell Type Proportions

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Epi | Fib | B | NK | CD4T | Mono | Neutro | Blood\_cell |
| Resilience Across Domains | 0.05 | 0.02 | 0.04 | 0.10 | 0.08 | 0.02 | -0.06 | -0.05 |
| Academic Resilience | -0.01 | 0.09 | -0.07 | 0.02 | -0.01 | -0.04 | 0.01 | 0.00 |
| Social Resilience | -0.04 | 0.05 | 0.01 | -0.03 | -0.04 | 0.03 | 0.03 | 0.03 |
| Psychological Resilience | 0.08 | 0.02 | 0.02 | 0.09 | 0.04 | 0.01 | -0.08 | -0.08 |

*Note.* \*p<.05; No cell type proportions were significantly associated with any four of the four resilience phenotypes.

**Table S2.** Top Ten Significant and/or Suggestive Methylation Wide Association Study Differentially Methylated Probes

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Model** | **Probe** | **Gender** | | **Age** | | **Race/Ethnicity** | | **Zygosity** | | **Epi Cell Type** | | **Fib Cell Type** | | **NK Cell Type** | |
| **Beta** | **SE** | **Beta** | **SE** | **Beta** | **SE** | **Beta** | **SE** | **Beta** | **SE** | **Beta** | **SE** | **Beta** | **SE** |
| **Resilience Across Domains** | cg08862567 | -0.108 | 0.308 | **0.212\*** | 0.098 | -0.156 | 0.348 | 0.662 | 0.411 | -4.486 | 2.724 | 4.778 | 19.764 | **50.725\*** | 20.637 |
| cg15869383 | -0.192 | 0.300 | 0.167 | 0.103 | -0.107 | 0.335 | 0.393 | 0.398 | -0.674 | 2.623 | 20.216 | 19.926 | 38.483 | 20.512 |
| cg23044017 | -0.368 | 0.311 | **0.216\*** | 0.099 | -0.109 | 0.335 | **0.805\*** | 0.400 | -1.751 | 2.625 | -0.611 | 19.425 | 36.930 | 20.909 |
| cg02536150 | -0.053 | 0.305 | 0.169 | 0.101 | -0.112 | 0.346 | 0.735 | 0.398 | 1.056 | 2.753 | 11.653 | 19.371 | **56.623\*** | 21.599 |
| cg24059404 | -0.169 | 0.302 | 0.196 | 0.103 | -0.195 | 0.334 | 0.587 | 0.415 | -1.933 | 2.758 | 12.363 | 19.581 | **47.085\*** | 21.709 |
| cg24221965 | 0.008 | 0.307 | **0.218\*** | 0.102 | 0.021 | 0.349 | 0.627 | 0.418 | -2.826 | 2.795 | 5.111 | 19.436 | **45.942\*** | 21.387 |
| cg16373426 | -0.160 | 0.304 | **0.205\*** | 0.101 | -0.101 | 0.342 | 0.672 | 0.406 | -3.159 | 2.998 | 8.489 | 20.792 | **49.667\*** | 22.550 |
| cg09114799 | -0.401 | 0.306 | **0.204\*** | 0.102 | -0.077 | 0.337 | 0.567 | 0.404 | -2.381 | 2.814 | 5.069 | 19.580 | **46.770\*** | 21.761 |
| cg18056754 | -0.209 | 0.301 | 0.169 | 0.099 | 0.017 | 0.338 | 0.551 | 0.401 | -2.967 | 2.670 | 7.362 | 19.035 | **54.358\*** | 21.176 |
| cg03078854 | -0.232 | 0.302 | **0.240\*** | 0.100 | -0.009 | 0.337 | 0.547 | 0.403 | -3.774 | 2.801 | -9.326 | 20.039 | **41.959\*** | 21.630 |
| **Psychological Resilience** | cg00059246 | 0.004 | 0.061 | **-0.026\*** | 0.020 | **0.146\*** | 0.072 | -0.014 | 0.079 | -0.698 | 0.568 | 1.466 | 4.015 | 5.005 | 4.686 |
| cg10674017 | 0.005 | 0.062 | **-0.036\*** | 0.020 | **0.151\*** | 0.070 | -0.039 | 0.082 | 0.417 | 0.548 | 7.630 | 4.025 | 3.559 | 4.626 |
| **Academic Resilience** | cg09169455 | **-0.258\*** | 0.056 | 0.027 | 0.020 | 0.024 | 0.060 | 0.033 | 0.081 | -0.126 | 0.524 | 5.631 | 3.293 | 4.283 | 4.336 |
| cg27413290 | **-0.230\*** | 0.060 | 0.038 | 0.022 | **0.139\*** | 0.061 | 0.062 | 0.082 | -0.507 | 0.578 | 4.331 | 3.637 | 6.774 | 4.583 |
| cg23901896 | **-0.204\*** | 0.059 | 0.030 | 0.021 | **0.192\*** | 0.061 | 0.049 | 0.079 | -0.959 | 0.587 | 5.264 | 3.543 | 4.969 | 4.529 |
| cg22018084 | **-0.239\*** | 0.058 | 0.017 | 0.022 | **0.128\*** | 0.060 | 0.055 | 0.084 | -0.878 | 0.577 | 4.255 | 3.591 | 8.370 | 4.587 |
| cg03116740 | **-0.199\*** | 0.060 | **0.046\*** | 0.022 | 0.118 | 0.063 | 0.099 | 0.084 | 0.680 | 0.629 | 4.586 | 3.687 | 3.327 | 4.720 |
| cg20678377 | **-0.266\*** | 0.061 | 0.035 | 0.021 | **0.122\*** | 0.063 | 0.025 | 0.086 | -1.136 | 0.629 | 4.807 | 3.670 | 3.295 | 4.441 |
| cg09895822 | **-0.242\*** | 0.060 | **0.041\*** | 0.021 | **0.120\*** | 0.062 | 0.063 | 0.076 | -0.158 | 0.560 | 2.123 | 3.747 | 4.386 | 4.558 |
| cg16444294 | **-0.266\*** | 0.062 | 0.035 | 0.021 | **0.141\*** | 0.062 | 0.042 | 0.080 | -0.106 | 0.534 | 4.714 | 3.630 | 4.577 | 4.451 |
| cg00421032 | **-0.199\*** | 0.058 | 0.033 | 0.021 | **0.124\*** | 0.062 | 0.077 | 0.085 | -0.495 | 0.572 | 1.627 | 3.733 | 4.153 | 4.511 |
| cg08857221 | **-0.199\*** | 0.059 | **0.045\*** | 0.021 | **0.122\*** | 0.062 | 0.094 | 0.079 | 0.585 | 0.561 | 0.811 | 3.599 | 2.482 | 4.554 |
| **Social Resilience** | cg22321318 | -0.278 | 0.289 | **0.547\*** | 0.103 | 0.171 | 0.322 | 0.279 | 0.398 | **10.141\*** | 2.928 | -3.600 | 18.949 | -9.994 | 20.592 |
| cg17416722 | -0.163 | 0.287 | **0.444\*** | 0.095 | 0.545 | 0.313 | -0.085 | 0.437 | 0.193 | 2.529 | -4.056 | 20.046 | -0.532 | 19.306 |
| cg25960393 | -0.236 | 0.280 | **0.433\*** | 0.101 | 0.253 | 0.337 | 0.026 | 0.456 | -3.738 | 2.783 | -12.107 | 19.809 | 5.281 | 20.259 |
| cg14321269 | -0.298 | 0.287 | **0.457\*** | 0.101 | -0.123 | 0.314 | 0.408 | 0.426 | 2.578 | 2.776 | -12.654 | 20.326 | -14.684 | 20.756 |
| cg25998860 | -0.536 | 0.295 | **0.463\*** | 0.100 | 0.561 | 0.327 | **0.913\*** | 0.453 | -0.086 | 2.744 | 0.211 | 21.041 | 6.062 | 20.579 |
| cg15559076 | -0.205 | 0.289 | **0.488\*** | 0.101 | 0.233 | 0.334 | 0.289 | 0.446 | 0.096 | 2.832 | -1.530 | 20.293 | 1.718 | 20.986 |
| cg11070274 | -0.251 | 0.278 | **0.440\*** | 0.101 | 0.273 | 0.340 | -0.001 | 0.459 | -3.296 | 2.783 | -11.904 | 20.113 | 3.582 | 20.235 |
| cg20424973 | -0.520 | 0.291 | **0.461\*** | 0.100 | 0.533 | 0.336 | 0.439 | 0.426 | 1.323 | 2.657 | -2.834 | 19.548 | 3.309 | 20.484 |
| cg10985094 | -0.022 | 0.290 | **0.485\*** | 0.101 | -0.159 | 0.329 | 0.461 | 0.444 | 0.888 | 2.683 | 5.493 | 19.752 | 10.023 | 20.559 |

*Note.* ‘Probe’ is the name of the CpG probe in the human reference genome hg19/GRCh37. Also shown are the signed test statistic values for regression: ‘Beta’ or regression coefficient and ‘SE’ or standard error; p<.05 is indicated by bold text and an asterick ‘\*’. Only the top ten methylome-wide significant (P-value < 9 x 10-8) and/or suggestive (P-value < 1 x 10-5) MWAS DMPs are displayed for each outcome; these parameters correspond to Table 2 in the main manuscript but are presented separately merely due to space restrictions.

**Table S3.** Methylome Wide Significant and Suggestive Differentially Methylated Probes

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Model** | **Probe** | **Chr** | **Start** | **Beta** | **Z/T-value** | **P-value** | **Gene** |
| Resilience Across Domains | cg08862567 | 20 | 33447234 | 80.275 | 5.161 | 2.4517E-07 | *GGT7* |
| cg18153279 | 12 | 112825215 | -107.720 | -5.157 | 2.5151E-07 |  |
| cg15869383 | 19 | 58258088 | -129.038 | -5.087 | 3.6303E-07 | *ZNF776* |
| cg23044017 | 19 | 36822441 | -79.445 | -5.026 | 5.0127E-07 | *LINC00665* |
| cg11787544 | 13 | 29257932 | 71.521 | 4.997 | 5.8137E-07 |  |
| cg02536150 | 10 | 17754084 | 45.363 | 4.981 | 6.3142E-07 | *STAM* |
| cg24059404 | 4 | 184580365 | -193.388 | -4.937 | 7.9287E-07 | *RWDD4* |
| cg24221965 | 15 | 81422778 | 23.580 | 4.925 | 8.4358E-07 | *C15orf26* |
| cg16373426 | 5 | 157079899 | 88.290 | 4.924 | 8.4989E-07 | *SOX30* |
| cg22500078 | 6 | 138104344 | 114.899 | 4.893 | 9.9525E-07 |  |
| cg09114799 | 12 | 48152514 | -242.566 | -4.881 | 1.0559E-06 | *RAPGEF3* |
| cg18056754 | 11 | 122955452 | 62.652 | 4.860 | 1.1719E-06 | *CLMP* |
| cg03078854 | 6 | 32810000 | 96.825 | 4.850 | 1.2329E-06 | *PSMB8* |
| cg23032249 | 6 | 69942249 | 13.053 | 4.843 | 1.2777E-06 | *BAI3* |
| cg01143804 | 4 | 40751844 | -112.256 | -4.824 | 1.406E-06 | *NSUN7* |
| cg02648847 | 1 | 167408734 | -78.393 | -4.812 | 1.4973E-06 | *CD247* |
| cg01316433 | 9 | 92000900 | 68.800 | 4.810 | 1.5095E-06 | *SEMA4D* |

**Table S3** continues on the following pages…

*Note.* ‘Probe’ is the name of the CpG probe in the human reference genome hg19/GRCh37, ‘Chr’ is Chromosome, ‘Start’ is the base pair location of the probe (human reference genome hg19/GRCh37), ‘Gene’ is the gene the probe is located in, and ‘Genomic Feature’ indicates if the probe is located in an intron, exon, or CpG island. Also shown are the signed test statistic values for regression: ‘Z-value’ for the dichotomous outcome of resilience across domains, ‘T-value’ for the continuous outcomes, ‘P-values’, and ‘Beta’ or regression coefficient. All methylome-wide significant (P< 9 x 10-8) and suggestive (P< 1 x 10-5) MWAS DMPs are displayed for each outcome. These are also the DMPs that were used for the enrichment analyses.

**Table S3.** (cont’d)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Resilience Across Domains | cg04324126 | 2 | 55277571 | -116.261 | -4.808 | 1.5272E-06 | *RTN4* |
| cg17779707 | 20 | 48807326 | -207.610 | -4.805 | 1.551E-06 | *CEBPB* |
| cg20346695 | 2 | 203776994 | -178.423 | -4.797 | 1.6083E-06 | *CARF* |
| cg23013151 | 17 | 60864729 | 17.362 | 4.796 | 1.6195E-06 | *MARCH10* |
| cg04710629 | 2 | 191045041 | -128.412 | -4.791 | 1.662E-06 | *C2orf88* |
| cg00166213 | 5 | 53606451 | -122.841 | -4.787 | 1.6934E-06 | *ARL15* |
| cg05879499 | 5 | 6668384 | 32.962 | 4.768 | 1.8605E-06 | *SRD5A1* |
| cg17568035 | 17 | 27224810 | -211.214 | -4.750 | 2.0294E-06 | *DHRS13* |
| cg22002948 | 3 | 41235823 | 43.192 | 4.732 | 2.225E-06 | *CTNNB1* |
| cg19350812 | 19 | 10676863 | -41.641 | -4.701 | 2.5866E-06 | *KRI1* |
| cg09220171 | 11 | 98704582 | 35.471 | 4.693 | 2.6941E-06 |  |
| cg16123583 | 22 | 43582883 | -55.324 | -4.692 | 2.705E-06 | *TTLL12* |
| cg07387591 | 20 | 17208648 | 80.581 | 4.691 | 2.7222E-06 | *PCSK2* |
| cg03411765 | 8 | 143484815 | -32.338 | -4.683 | 2.8315E-06 |  |
| cg10426797 | 17 | 7169573 | 89.509 | 4.656 | 3.2266E-06 | *Y\_RNA* |
| cg23917918 | 10 | 13385881 | 127.575 | 4.649 | 3.3293E-06 | *SEPHS1* |
| cg20825216 | 11 | 2274399 | 31.154 | 4.642 | 3.4475E-06 |  |
| cg15679813 | 22 | 45405626 | -91.393 | -4.641 | 3.4694E-06 | *PHF21B* |
| cg14637885 | 12 | 74416009 | 15.828 | 4.640 | 3.4768E-06 |  |
| cg21470464 | 7 | 95969817 | 20.612 | 4.627 | 3.7074E-06 | *RNU6-364P* |
| cg12372632 | 3 | 170781530 | 45.948 | 4.625 | 3.7417E-06 | *TNIK* |
| cg02207779 | 14 | 24701799 | -102.581 | -4.606 | 4.1025E-06 | *GMPR2* |
| cg21783328 | 9 | 136243031 | -195.968 | -4.606 | 4.107E-06 | *SURF4* |
| cg08008884 | 1 | 235377331 | 39.450 | 4.599 | 4.2451E-06 | *ARID4B* |
| cg08964784 | 8 | 24769500 | 15.264 | 4.598 | 4.2677E-06 | *RP11-624C23.1* |
| cg07917528 | 7 | 55412267 | 25.595 | 4.589 | 4.4622E-06 | *RP11-775L16.1* |
| cg04482075 | 16 | 1991307 | 158.995 | 4.588 | 4.4793E-06 | *MSRB1* |
|

**Table S3.** (cont’d)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Resilience Across Domains | cg22850860 | 3 | 45902662 | 24.664 | 4.587 | 4.4944E-06 | *LZTFL1* |
| cg10214933 | 2 | 216715261 | 79.068 | 4.585 | 4.5491E-06 |  |
| cg24457562 | 2 | 106212100 | -23.651 | -4.581 | 4.6264E-06 |  |
| cg07580827 | 11 | 111943185 | 32.149 | 4.575 | 4.7552E-06 | *PIH1D2* |
| cg14019124 | 11 | 66611060 | -96.940 | -4.569 | 4.9014E-06 | *RCE1* |
| cg02761287 | 21 | 47878739 | -90.314 | -4.561 | 5.0851E-06 | *DIP2A* |
| cg16595404 | 10 | 12238159 | -91.628 | -4.537 | 5.7194E-06 | *CDC123* |
| cg17997673 | 1 | 52082396 | 5.207 | 4.530 | 5.8866E-06 | *OSBPL9* |
| cg18914514 | 18 | 18822122 | -80.556 | -4.529 | 5.9323E-06 | *GREB1L* |
| cg13680184 | 4 | 122791313 | -65.253 | -4.529 | 5.9351E-06 | *BBS7* |
| cg16635767 | 19 | 39574639 | -185.857 | -4.527 | 5.9777E-06 | *PAPL* |
| cg05734400 | 2 | 216176659 | -73.706 | -4.520 | 6.1957E-06 | *ATIC* |
| cg26247036 | 11 | 71814594 | -196.676 | -4.517 | 6.2642E-06 | *LRTOMT* |
| cg09472203 | 15 | 83378613 | -167.882 | -4.507 | 6.5823E-06 | *AP3B2* |
| cg14447399 | 5 | 162930289 | -67.934 | -4.505 | 6.6274E-06 | *MAT2B* |
| cg09555914 | 19 | 58011308 | -225.180 | -4.502 | 6.7374E-06 | *ZNF773* |
| cg12001456 | 7 | 157357802 | -114.115 | -4.492 | 7.0643E-06 | *PTPRN2* |
| cg15358052 | 14 | 69865455 | -76.804 | -4.487 | 7.2378E-06 | *SLC39A9* |
| cg19878597 | 14 | 53684326 | -50.856 | -4.481 | 7.4136E-06 | *AL163953.3* |
| cg07160800 | 5 | 177018949 | -137.125 | -4.478 | 7.5356E-06 | *TMED9* |
| cg09636406 | 17 | 73663133 | -100.133 | -4.477 | 7.572E-06 | *RECQL5* |
| cg27276059 | 6 | 75829276 | 49.473 | 4.476 | 7.5936E-06 | *COL12A1* |
| cg00011284 | 16 | 53469343 | -54.459 | -4.476 | 7.5958E-06 | *RBL2* |
| cg08159120 | 9 | 75263370 | 20.716 | 4.468 | 7.898E-06 | *TMC1* |
| cg14801164 | 4 | 190393518 | 17.673 | 4.466 | 7.9571E-06 | *HSP90AA4P* |
| cg22232107 | 8 | 124194080 | 15.622 | 4.463 | 8.0952E-06 | *FAM83A* |

**Table S3.** (cont’d)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | cg02981663 | 13 | 28232082 | 52.289 | 4.460 | 8.1854E-06 | *POLR1D* |
| Resilience Across Domains | cg22687346 | 8 | 94767371 | -174.067 | -4.456 | 8.3344E-06 | *TMEM67* |
| cg06996254 | 12 | 47427790 | 65.076 | 4.453 | 8.4757E-06 |  |
| cg14257632 | 6 | 167351815 | 73.566 | 4.450 | 8.5993E-06 | *RNASET2* |
| cg17610929 | 2 | 220379043 | -84.870 | -4.450 | 8.6036E-06 | *ASIC4* |
| cg09532899 | 15 | 97007486 | 13.178 | 4.448 | 8.6863E-06 |  |
| cg15720223 | 6 | 15398117 | 53.213 | 4.446 | 8.7284E-06 | *JARID2* |
| cg19226770 | 4 | 156921360 | 14.690 | 4.446 | 8.7477E-06 |  |
| cg02457826 | 20 | 30310732 | -60.153 | -4.444 | 8.8428E-06 | *BCL2L1* |
| cg09808985 | 14 | 89704016 | 42.398 | 4.442 | 8.9163E-06 | *FOXN3* |
| cg14465408 | 6 | 82980356 | 10.150 | 4.441 | 8.9379E-06 |  |
| cg09994724 | 11 | 123986110 | -78.918 | -4.439 | 9.056E-06 | *VWA5A* |
| cg23173573 | 1 | 221916860 | -146.059 | -4.438 | 9.0883E-06 | *DUSP10* |
| cg17689735 | 8 | 15095819 | 11.380 | 4.436 | 9.1722E-06 | *SGCZ* |
| cg19139691 | 2 | 86668468 | -59.727 | -4.430 | 9.426E-06 | *KDM3A* |
| cg22372439 | 11 | 60929244 | -48.029 | -4.428 | 9.4951E-06 | *VPS37C* |
| cg09163686 | 11 | 17229661 | -148.562 | -4.427 | 9.5621E-06 | *NUCB2* |
| cg01877778 | 7 | 157415537 | 85.967 | 4.426 | 9.6079E-06 | *PTPRN2* |
| cg01089060 | 10 | 97050835 | -65.715 | -4.426 | 9.6158E-06 | *PDLIM1* |
| cg21054179 | 12 | 49412580 | -116.318 | -4.417 | 9.9882E-06 | *PRKAG1* |
| Psychological Resilience | cg00059246 | 12 | 54337928 | 3.673 | 4.866 | 1.9571E-06 | *HOXC13* |
| cg10674017 | 2 | 3201975 | -15.245 | -4.689 | 4.4048E-06 | *TSSC1* |
| Academic Resilience | cg09169455 | 5 | 16843339 | -2.185 | -6.528 | 3.3989E-10 | *MYO10* |
| cg27413290 | 8 | 144552724 | -4.250 | -5.687 | 3.4215E-08 | *ZC3H3* |
| cg23901896 | 1 | 201976445 | -10.226 | -5.465 | 1.0726E-07 | *ELF3* |
| cg13598010 | 7 | 72838775 | -7.625 | -5.326 | 2.151E-07 |  |
| cg10091996 | 16 | 31548639 | -1.845 | -4.990 | 1.0988E-06 |  |

**Table S3.** (cont’d)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Academic Resilience | cg22018084 | 2 | 69038737 | -2.543 | -4.874 | 1.8873E-06 | *ARHGAP25* |
| cg03116740 | 11 | 841334 | 3.376 | 4.799 | 2.6679E-06 | *POLR2L* |
| cg20678377 | 20 | 47667339 | -2.715 | -4.780 | 2.9094E-06 | *CSE1L* |
| cg09895822 | 14 | 105738159 | 8.444 | 4.778 | 2.947E-06 | *BRF1* |
| cg16444294 | 16 | 28925789 | 17.201 | 4.773 | 3.0042E-06 | *RABEP2* |
| cg00421032 | 4 | 22493280 | 9.058 | 4.772 | 3.0255E-06 | *GPR125* |
| cg08857221 | 1 | 37941360 | 4.155 | 4.694 | 4.3153E-06 | *ZC3H12A* |
| cg06899313 | 6 | 117394044 | -3.045 | -4.665 | 4.9154E-06 |  |
| cg21207593 | 17 | 33310494 | 9.232 | 4.661 | 5.0047E-06 | *LIG3* |
| cg11779551 | 3 | 45736062 | 4.226 | 4.626 | 5.8588E-06 | *SACM1L* |
| cg24374161 | 11 | 46582057 | 6.554 | 4.622 | 5.9412E-06 | *AMBRA1* |
| cg03706376 | 6 | 149093351 | 1.991 | 4.599 | 6.6064E-06 | *UST* |
| cg19548912 | 6 | 138299067 | -1.079 | -4.570 | 7.4866E-06 |  |
| cg14377171 | 9 | 138022130 | 3.598 | 4.560 | 7.8217E-06 |  |
| cg19255656 | 4 | 2816364 | 10.344 | 4.543 | 8.4385E-06 | *SH3BP2* |
| cg12777862 | 16 | 31548755 | -2.465 | -4.523 | 9.2109E-06 |  |
| cg01642827 | 7 | 925663 | 8.978 | 4.512 | 9.676E-06 | *GET4* |
| Social Resilience | cg22321318 | 7 | 157294387 | 17.100 | 5.979 | 7.2311E-09 | *AC006372.5* |
| cg25950792 | 22 | 26797948 | 105.089 | 5.947 | 8.5823E-09 |  |
| cg17416722 | 6 | 32554384 | 6.440 | 5.728 | 2.7526E-08 | *HLA-DRB1* |
| cg25960393 | 8 | 9106558 | 5.018 | 5.708 | 3.0643E-08 | *RP11-115J16.1* |
| cg14321269 | 17 | 6658197 | 17.674 | 5.546 | 7.0609E-08 | *XAF1* |
| cg25998860 | 5 | 126853953 | -114.782 | -5.512 | 8.3886E-08 | *PRRC1* |
| cg15559076 | 11 | 128109596 | 18.105 | 5.439 | 1.2196E-07 | *RP11-702B10.1* |
| cg11070274 | 8 | 9106609 | 5.106 | 5.278 | 2.721E-07 | *RP11-115J16.1* |
| cg07273698 | 2 | 46636808 | 19.462 | 5.240 | 3.2738E-07 |  |

**Table S3.** (cont’d)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Social Resilience | cg20424973 | 2 | 3045240 | 40.116 | 5.209 | 3.8106E-07 | *LINC01250* |
| cg19815792 | 10 | 130267642 | 26.874 | 5.171 | 4.6057E-07 |  |
| cg10985094 | 17 | 3631481 | 23.115 | 5.064 | 7.7009E-07 | *ITGAE* |
| cg12738264 | 7 | 148725794 | -210.602 | -5.044 | 8.4631E-07 | *PDIA4* |
| cg04141477 | 10 | 71502791 | 21.169 | 5.029 | 9.0758E-07 |  |
| cg07694621 | 2 | 43151937 | 14.740 | 5.024 | 9.3162E-07 |  |
| cg15856489 | 17 | 71687902 | 16.357 | 5.021 | 9.4378E-07 |  |
| cg02147339 | 13 | 96632986 | 19.975 | 4.934 | 1.4241E-06 | *UGGT2* |
| cg06154432 | 10 | 77325337 | 12.938 | 4.924 | 1.4968E-06 | *C10orf11* |
| cg24147543 | 6 | 32554480 | 4.661 | 4.892 | 1.7364E-06 | *HLA-DRB1* |
| cg01085765 | 16 | 29139623 | 12.784 | 4.874 | 1.8835E-06 | *RP11-426C22.5* |
| cg14255617 | 6 | 32729117 | 13.708 | 4.843 | 2.1816E-06 | *HLA-DQB2* |
| cg20822540 | 1 | 9070126 | 11.551 | 4.837 | 2.2403E-06 | *SLC2A7* |
| cg22867288 | 6 | 57086715 | -57.579 | -4.822 | 2.3965E-06 | *RAB23* |
| cg04989255 | 8 | 110094904 | 19.688 | 4.807 | 2.5698E-06 |  |
| cg09826506 | 4 | 522635 | 41.146 | 4.796 | 2.7079E-06 | *PIGG* |
| cg13256398 | 10 | 64579264 | 16.940 | 4.791 | 2.7608E-06 | *EGR2* |
| cg09670566 | 10 | 28507576 | -95.315 | -4.782 | 2.8864E-06 | *MPP7* |
| cg11726507 | 14 | 101155518 | 18.507 | 4.774 | 2.9897E-06 |  |
| cg10506179 | 7 | 158884942 | 67.823 | 4.771 | 3.0337E-06 | *VIPR2* |
| cg19584551 | 10 | 24721828 | 19.546 | 4.769 | 3.0524E-06 | *KIAA1217* |
| cg09990723 | 2 | 242691867 | 81.620 | 4.769 | 3.0537E-06 | *D2HGDH* |
| cg12395012 | 8 | 11607385 | -32.546 | -4.753 | 3.2929E-06 | *GATA4* |
| cg24036126 | 6 | 26234818 | -79.468 | -4.706 | 4.0821E-06 | *HIST1H1D* |
| cg23104823 | 14 | 45553407 | -100.285 | -4.704 | 4.1139E-06 | *PRPF39* |
| cg01926740 | 5 | 137911360 | -104.847 | -4.689 | 4.391E-06 | *HSPA9* |

**Table S3.** (cont’d)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Social Resilience | cg25105147 | 7 | 144474742 | 16.827 | 4.687 | 4.4442E-06 | *TPK1* |
| cg08185661 | 11 | 7273497 | -73.812 | -4.685 | 4.482E-06 | *SYT9* |
| cg23978866 | 2 | 47230406 | 13.203 | 4.638 | 5.5428E-06 | *TTC7A* |
| cg10327502 | 20 | 37570621 | 38.265 | 4.609 | 6.2832E-06 | *FAM83D* |
| cg20140488 | 22 | 25463865 | 12.812 | 4.601 | 6.5321E-06 | *KIAA1671* |
| cg05148288 | 9 | 129319931 | 77.926 | 4.590 | 6.8552E-06 |  |
| cg00556742 | 2 | 200820714 | -132.159 | -4.587 | 6.9569E-06 | *C2orf47* |
| cg25214900 | 12 | 79693301 | 26.200 | 4.574 | 7.3382E-06 | *SYT1* |
| cg15457276 | 19 | 4832023 | -111.973 | -4.561 | 7.8039E-06 | *TICAM1* |
| cg24607831 | 14 | 76975801 | 26.404 | 4.559 | 7.8588E-06 | *RP11-187O7.3* |
| cg02384897 | 22 | 30214218 | 24.545 | 4.545 | 8.3512E-06 | *ASCC2* |
| cg24945222 | 16 | 4395036 | 15.478 | 4.542 | 8.4858E-06 | *CORO7-PAM16* |
| cg12312265 | 10 | 72546530 | 22.293 | 4.540 | 8.5565E-06 | *TBATA* |
| cg10572362 | 3 | 125742863 | 38.532 | 4.530 | 8.9146E-06 | *SLC41A3* |
| cg14402217 | 2 | 71222107 | -157.326 | -4.530 | 8.9202E-06 | *AC007040.6* |
| cg10544696 | 10 | 1585344 | 11.113 | 4.526 | 9.0675E-06 | *ADARB2* |
| cg00695187 | 11 | 48032703 | 16.950 | 4.526 | 9.0732E-06 | *PTPRJ* |
| cg03384047 | 6 | 157357516 | 15.729 | 4.516 | 9.5091E-06 | *ARID1B* |
| cg17933911 | 1 | 59248877 | 95.814 | 4.509 | 9.7689E-06 | *JUN* |
| cg23847172 | 7 | 124406111 | -112.998 | -4.508 | 9.8334E-06 | *GPR37* |
| cg13988209 | 11 | 69683042 | 16.937 | 4.507 | 9.8622E-06 |  |
| cg20332503 | 7 | 143081286 | 16.673 | 4.506 | 9.9191E-06 | *ZYX* |
| cg10594585 | 1 | 153756108 | 21.460 | 4.506 | 9.9293E-06 |  |
| cg07674022 | 4 | 122854329 | 10.007 | 4.506 | 9.932E-06 | *TRPC3* |
| cg23123972 | 14 | 23080612 | 51.672 | 4.504 | 9.9926E-06 | *ABHD4* |