

SupplementaryMaterial S6.

Top 30 features showing the highest average attention scores from each omics, related to the subtype classification within cells.

GSE136718

| Gene expression | DNA methylation | DNA accessibility |
|-----------------|-------------------|-------------------|
| Prdm10 | Sfi1_cpg | Ncam1_acc |
| A530040E14Rik | RP23-191E3.2_cpg | Zim1_acc |
| Wipf1 | H2-Q1_cpg | RP23-282N17.2_acc |
| AC123856.4-3 | Etl4_cpg | Sema4a_acc |
| Bptf | Kalrn_cpg | Ankrd24_acc |
| H2-Q1 | Ndr4_cpg | Trim2_acc |
| Ranbp3 | Fkbp5_cpg | Phactr3_acc |
| Mcart1 | Pcdha5_cpg | H2-Q1_acc |
| 8430427H17Rik | Itsn1_cpg | SNORA17_acc |
| Ndst1 | Triobp_cpg | Kcng1_acc |
| 2410001C21Rik | Sp110_cpg | Shank1_acc |
| AC116997.3-1 | Col23a1_cpg | Bruno15_acc |
| Fkbp5 | Tmem116_cpg | Kpna1_acc |
| 2410025L10Rik | Trim2_cpg | C130026I21Rik_acc |
| RP23-326E2.2 | Fhad1_cpg | Pde4d_acc |
| Kalrn | Ncam1_cpg | Ccdc64_acc |
| Furin | Smarcd1_cpg | 9330129D05Rik_acc |
| Tmem194 | Kpna1_cpg | Mcart1_acc |
| Etl4 | AC123856.4-3_cpg | Shb_acc |
| Prkcd | C130026I21Rik_cpg | Etfb_acc |
| C130026I21Rik | Kcng1_cpg | AC123856.4-3_acc |
| Taf3 | Synj2_cpg | Sh3bp5_acc |
| 4933407C03Rik | Ccdc64_cpg | Capns1_acc |
| Tef | Ank3_cpg | Tspan5_acc |
| Itsn1 | Wipf1_cpg | 4933407C03Rik_acc |
| Ccdc64 | Sh3bp5_cpg | Elfn1_acc |
| Sp110 | Coro2a_cpg | Prdm10_acc |
| Sp140 | 4933407C03Rik_cpg | 2410001C21Rik_acc |
| Cic | 9330129D05Rik_cpg | Pcdha5_acc |
| Fam129b | Shank1_cpg | Ntm_acc |

GSE154762

| Gene expression | DNA methylation | DNA accessibility |
|-----------------|-----------------|-------------------|
| RORA | C1RL_cpg | SOX6_acc |
| ABCA12 | PCDH7_cpg | ARHGAP15_acc |
| RAB11A | SGCA_cpg | CTNNA3_acc |
| C1orf21 | MEPCE_cpg | FAF1_acc |
| TJP1 | LINC00484_cpg | FRMD6_acc |
| COBLL1 | NBPF1_cpg | IFT43_acc |
| RBMS1 | ANKRD18CP_cpg | WDR64_acc |

| | | |
|---------|----------------|-------------------|
| SLC35F2 | ENPP6_cpg | LRP1B_acc |
| SCP2 | GATA5_cpg | TMEFF2_acc |
| SETBP1 | FANK1_cpg | PAPPA2_acc |
| ANK3 | BTN2A2_cpg | ERC1_acc |
| CAMK1D | C19orf25_cpg | SOX9-AS1_acc |
| TSHZ2 | NR2F1_cpg | RNF219-AS1_acc |
| MAP2 | ERI2_cpg | VIT_acc |
| CYFIP1 | MIR570_cpg | HERC2P3_acc |
| ADD3 | TEKT4P2_cpg | ATAD2B_acc |
| MAPK8 | ZNF595_cpg | AK7_acc |
| SPTBN1 | MST1P2_cpg | ADAMTS18_acc |
| GAS7 | ANKRD30BP2_cpg | LYST_acc |
| TMOD3 | LINC00960_cpg | PPP4R4_acc |
| MYO5B | LINC00491_cpg | MAP4K3_acc |
| MREG | LINC00273_cpg | SUSD4_acc |
| FOXN3 | ROCK1P1_cpg | STON1-GTF2A1L_acc |
| CERS6 | FEZF1-AS1_cpg | RPH3A_acc |
| NEBL | DLEU1_cpg | SMG6_acc |
| PARD3 | LRFN5_cpg | SLCO3A1_acc |
| CCNY | NME8_cpg | BMPR1A_acc |
| KAZN | NETO1_cpg | EPC1_acc |
| JMJD1C | MUC16_cpg | MYO3B_acc |
| FRMD6 | C8orf58_cpg | DCLK1_acc |
