**Supplementary Table 3:** Gene set included in analyses

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Tex markers** | **Interleukins** | **Treg signatures** | **Immune checkpoints** | **Th-related** |
| CD160 | IL1R2 | CD4 | TNFRSF4 | IFNG |
| CD244 | IL1R1 | CCR8 | ICOS | TBX21 |
| PTGER2 | IL6R | LRRC32 | CD28 | IRF8 |
| PTGER4 | IL22 | FOXP3 | TNFRSF18 | EOMES |
| KLRG1 | IL1RL1 | CD40LG | BTLA | MAF |
| KI-67 | IL21 | IL2RA | CD274 | GATA3 |
| EOMES | IL17F | CCR6 | VSIR | IRF4 |
| Helios | IL17RB | ICOS | TIGIT | IKZF1 |
| IRF7 | IL2RA | IL7R | CD27 | IL17A |
| CERS6 | IL17A | TNFRSF1B | LGALS9 | IL17F |
| ZEB2 | IL31 | ITGA4 | TNFRSF9 | RORC |
| PRDM1 | IL26 | IKZF2 | PDCD1 | RORA |
| BHLHE40 | IL4 | STAT5A | TNFSF14 | HIF1A |
| TOX | IL23R | STAT5B | TMIGD2 |  |
| TOX2 | IL7 | TGFB1 | HAVCR2 |  |
| TOX3 | IL23A | PTPRC | LAG3 |  |
| TOX4 | IL3RA | HLA-DRA | KIR2DS4 |  |
| TNFR1 | IL2 | LAG3 |  |  |
| TNFR2 | IL5 | ITGAE |  |  |
| SIRT1 | IL18R1 |  |  |  |
| NFATC1 | IL10 |  |  |  |
| NFATC2 | IL24 |  |  |  |
| NFATC3 | IL9R |  |  |  |
| PD-1 |  |  |  |  |
| TIM-3 |  |  |  |  |
| LAG-3 |  |  |  |  |
| PD-L1 |  |  |  |  |
| Galectin-9 |  |  |  |  |
| TIGIT |  |  |  |  |
| VISTA |  |  |  |  |