Cluster: 1 plate_number plate_number LCE508 stage sample LCE509 cluster LCE511 LCE512 IL7R LCE513 LTB LCE514 KLRB1 stage RPL13 S1 (CD4+/CD161-) RPL13P12 S2 (CD4-/CD161-) S3 (CD4-/CD161+) RPS12 Unknown JAK1 ^{−3}sample MTND4P24 Blood.1 Blood.2 LDHA Blood.3 HSPA5 Thymus.1 PIK3IP1 Thymus.2 Thymus.3 LGALS8 SPATA13 cluster 1 UBN1 2 TSC22D3 3 RAD9A 4 METAP1 Sig No HPRT1 ATAD2B TRMT10C PCGF5 PARP11 TMEM192 IFNG-AS1 NINJ1 MID1IP1 AC105052.4 CCDC142 IFT27 RPL23AP37 RGS1 CISH RAB11FIP3 TEX261 FAM241A PPP1R13B AACS SAAL1 CCL3L1 TACO1 TSNARE1 PRSS35 KIT ADAM19 APAF1 CD69 ATF7IP2 BTG1 ZFP36L2 **TXNIP** Sig

Cluster: 2 plate_number plate_number LCE508 stage sample LCE509 cluster LCE511 LCE512 SNORD3B-1 LCE513 SNORD3C LCE514 SNORD3A stage SNORD3B-2 S1 (CD4+/CD161-) CCL5 S2 (CD4-/CD161-) S3 (CD4-/CD161+) HLA-B Unknown HLA-C ⁻³sample HLA-J Blood.1 Blood.2 HLA-A Blood.3 AL161787.1 Thymus.1 **HCST** Thymus.2 Thymus.3 NKG7 GZMA cluster 1 SRGN 2 S100A4 3 CD74 4 CST7 Sig Yes B2M No IRF1 LINC00861 MT2A PYHIN1 LYAR PRF1 LITAF HLA-K SLAMF7 HLA-H PLAAT4 EFHD2 MIAT HOPX CCDC107 TGFBR3 LINC01871 **TAGAP** SNORD13 MT1XP1 **PTMS** FGFBP2 WWC3 S1PR5 FCGR3A PSMG2 CX3CR1 SERPINB9 GZMB S100A6 GNLY FLNA

Cluster: 3 plate_number plate_number LCE508 stage sample LCE509 cluster LCE511 LCE512 AC114801.3 LCE513 MT-RNR2 LCE514 MTRNR2L12 stage MTRNR2L8 S1 (CD4+/CD161-) MT-ND2 S2 (CD4-/CD161-) S3 (CD4-/CD161+) MT-ND1 Unknown MTND1P23 ⁻³sample NPIPB4 Blood.1 NPIPB5 Blood.2 Blood.3 NPIPB11 Thymus.1 NPIPB3 Thymus.2 Thymus.3 NPIPB13 MT-TD cluster 1 MTCO1P40 2 HSP90AA1 3 PRRC2C 4 SON Sig Yes MT-CYB No MT-ND3 MT-ND4 MT-CO1 MTCO1P12 MT-CO2 MT-CO3 MT-ATP6 MTATP6P1 XAF1 KMT2E MLLT6 BPTF AKAP9 RBM25 TRIM56 NBPF10 GOLGA8B SRSF7 SCAF11 HSP90AA2P ST3GAL1 MALAT1 CCDC88B ARID4A NFIC **PNKP** PCNX2 ATF6B PPP3CB-AS1 MRPL47 NIPBL GOLGA4

Cluster: 4 plate_number plate_number LCE508 stage sample LCE509 cluster LCE511 LCE512 ACTG1 LCE513 BCL11B LCE514 H3F3A stage H3F3AP6 S1 (CD4+/CD161-) H3F3AP4 S2 (CD4-/CD161-) S3 (CD4-/CD161+) CD3D Unknown COX7CP1 ⁻³sample STMN1 Blood.1 SEPTIN9 Blood.2 Blood.3 AC112191.2 Thymus.1 SUMO2 Thymus.2 Thymus.3 DGKA RTKN2 cluster 1 ACTN1 2 ID3 3 CASC15 4 TOX2 Sig Yes JARID2 CCR9 MFHAS1 BCL6 HIPK2 HSPB1P1 **THEMIS** SNHG32 IL6ST CHST2 MAL **GNAQ** MAST4 NREP MIR181A1HG CD1A LIMS2 TOX ADAMTS10 MARCKSL1 PGM2L1 AIF1 CUX1 PPIAP19 PPIAP42 MIR1244-2 MIR1244-4 LEF1 SOX4 RPS20P14 AC078817.1 AL121871.1 RPL26P19