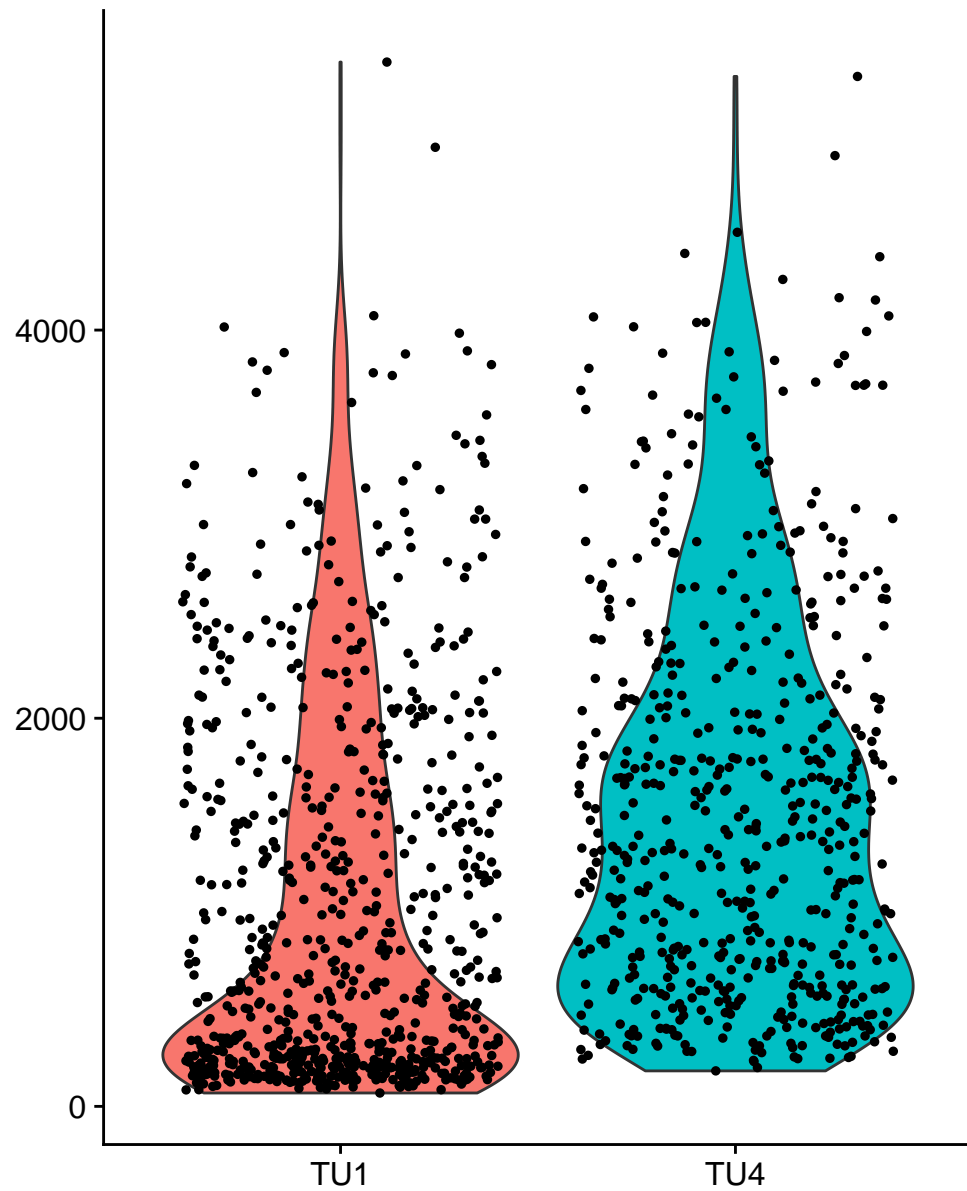
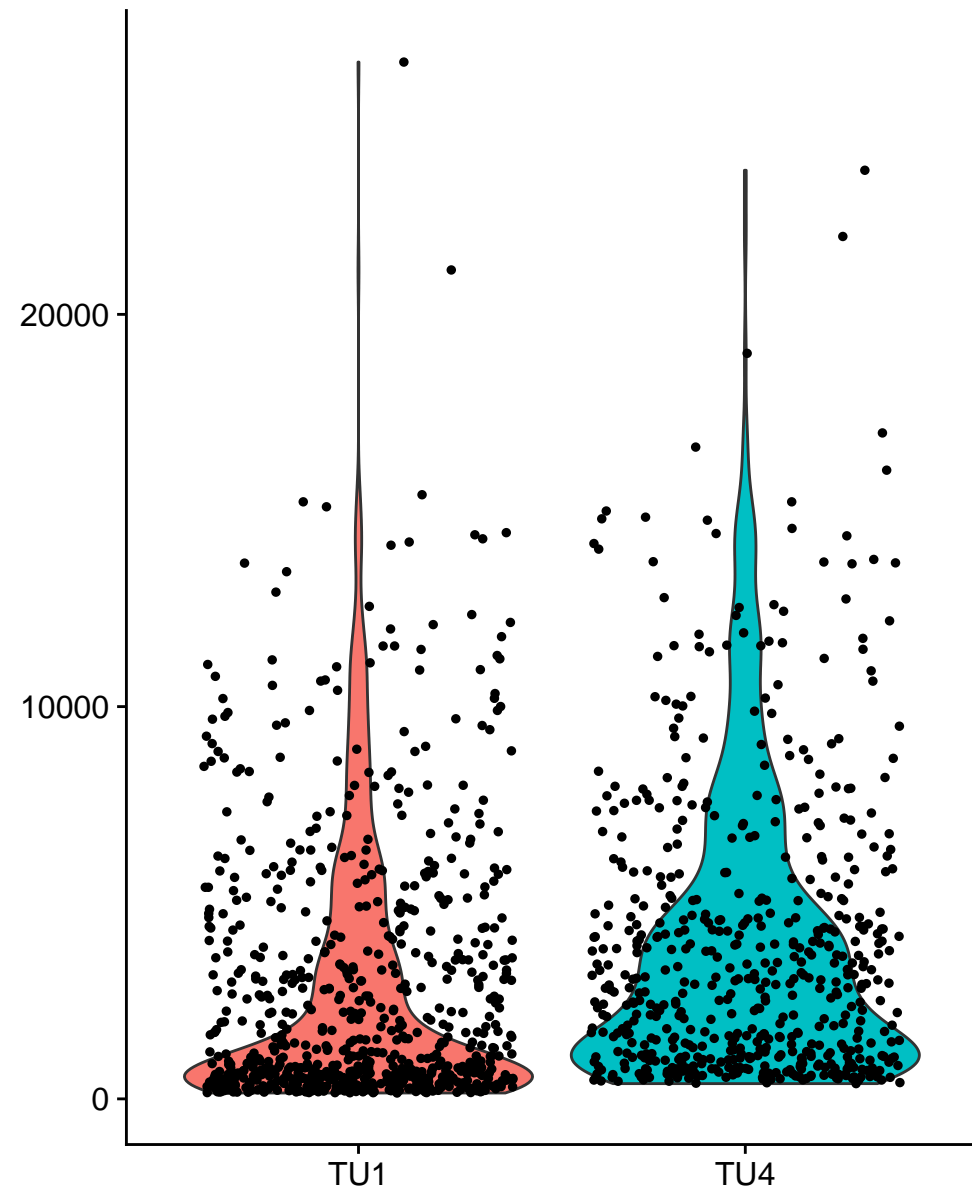
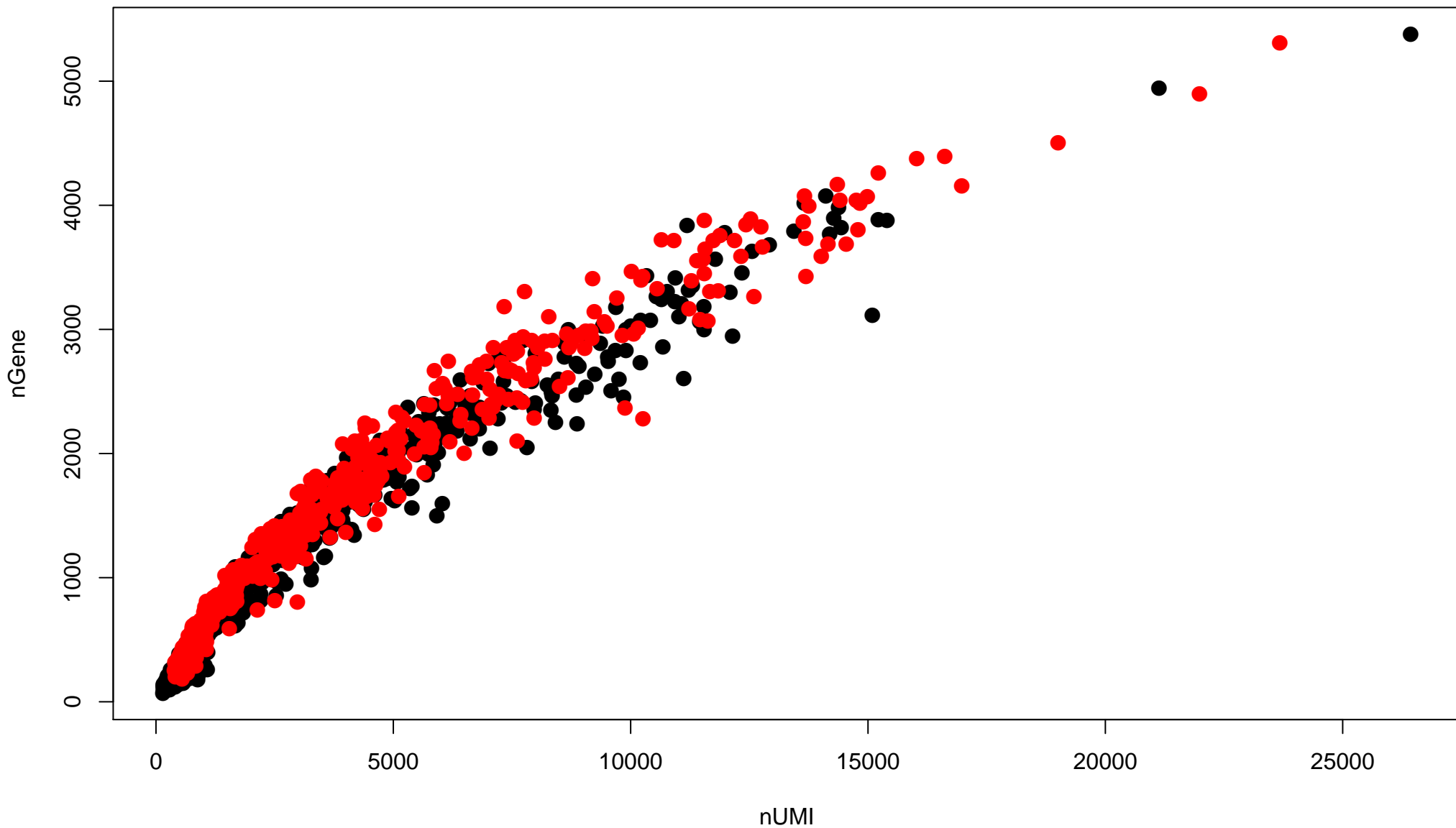
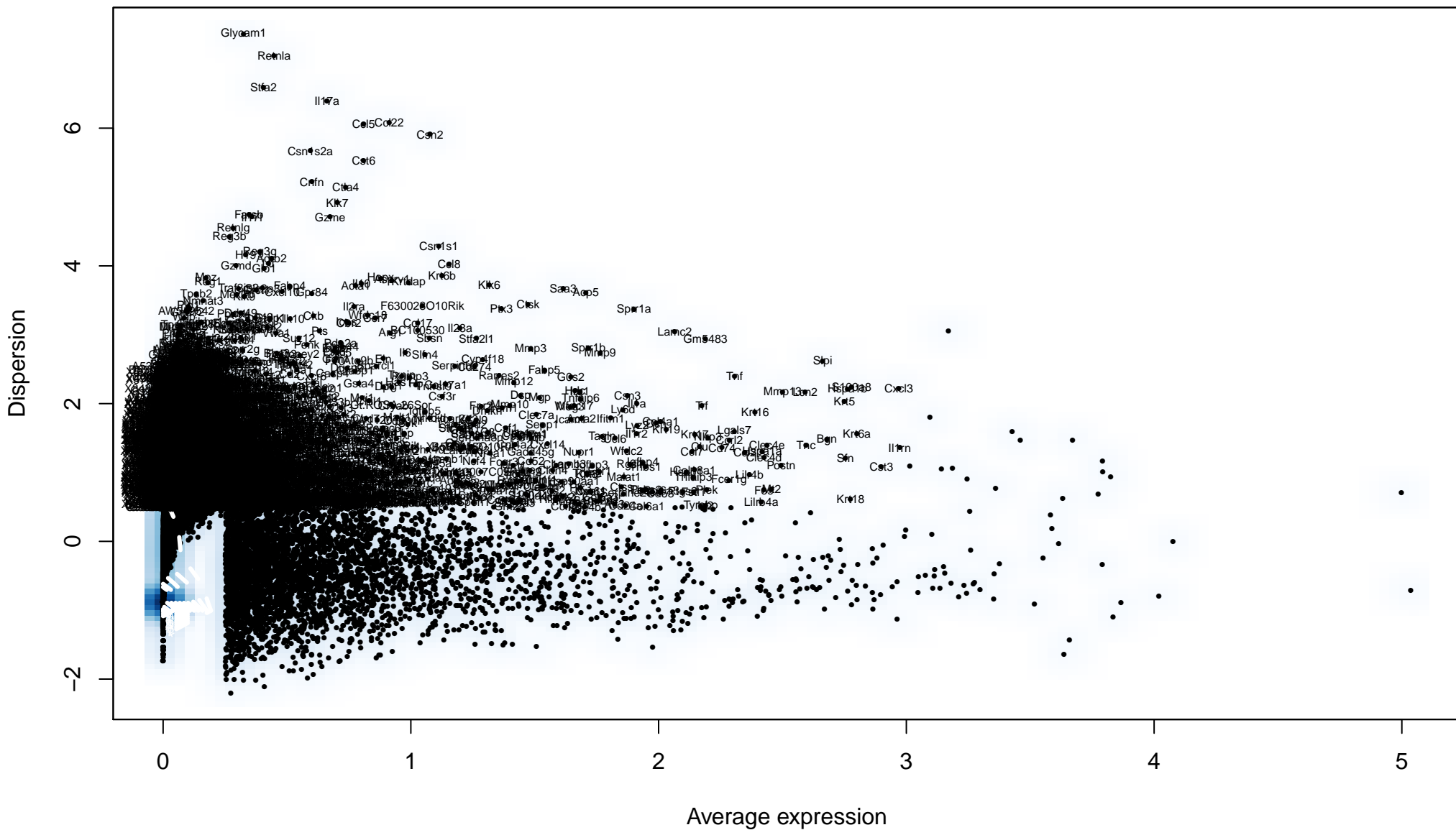
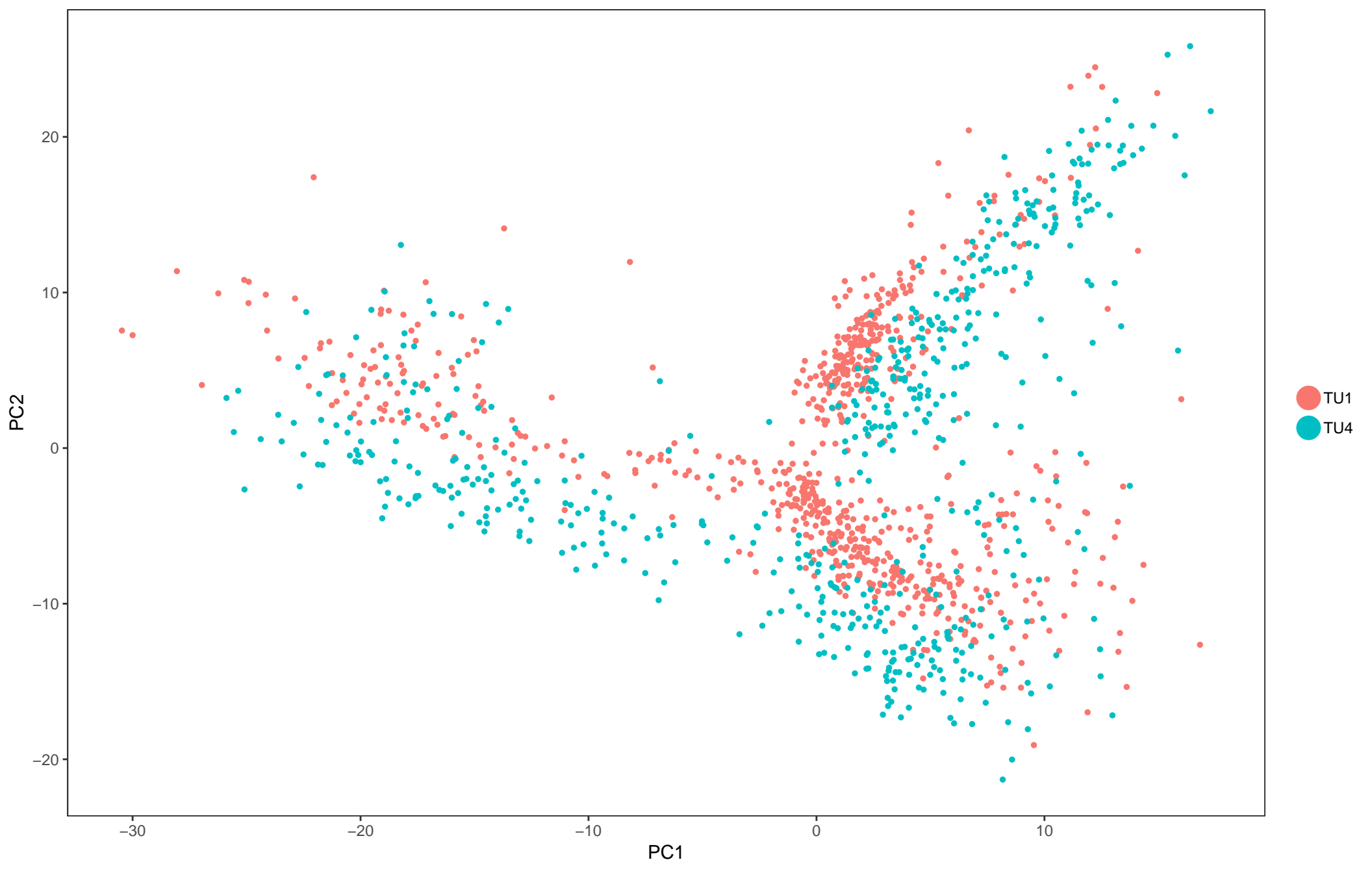


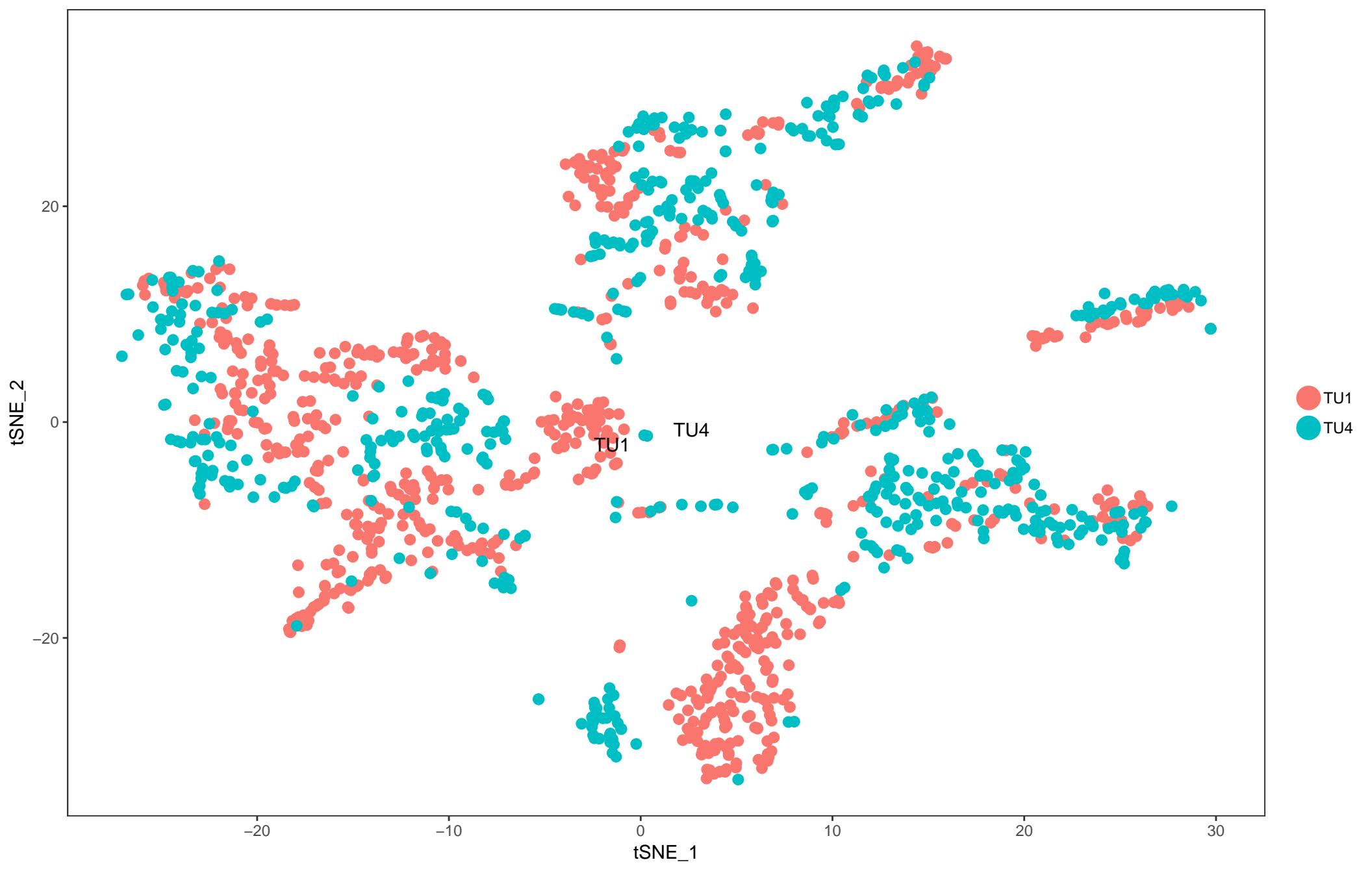
nGene**nUMI**

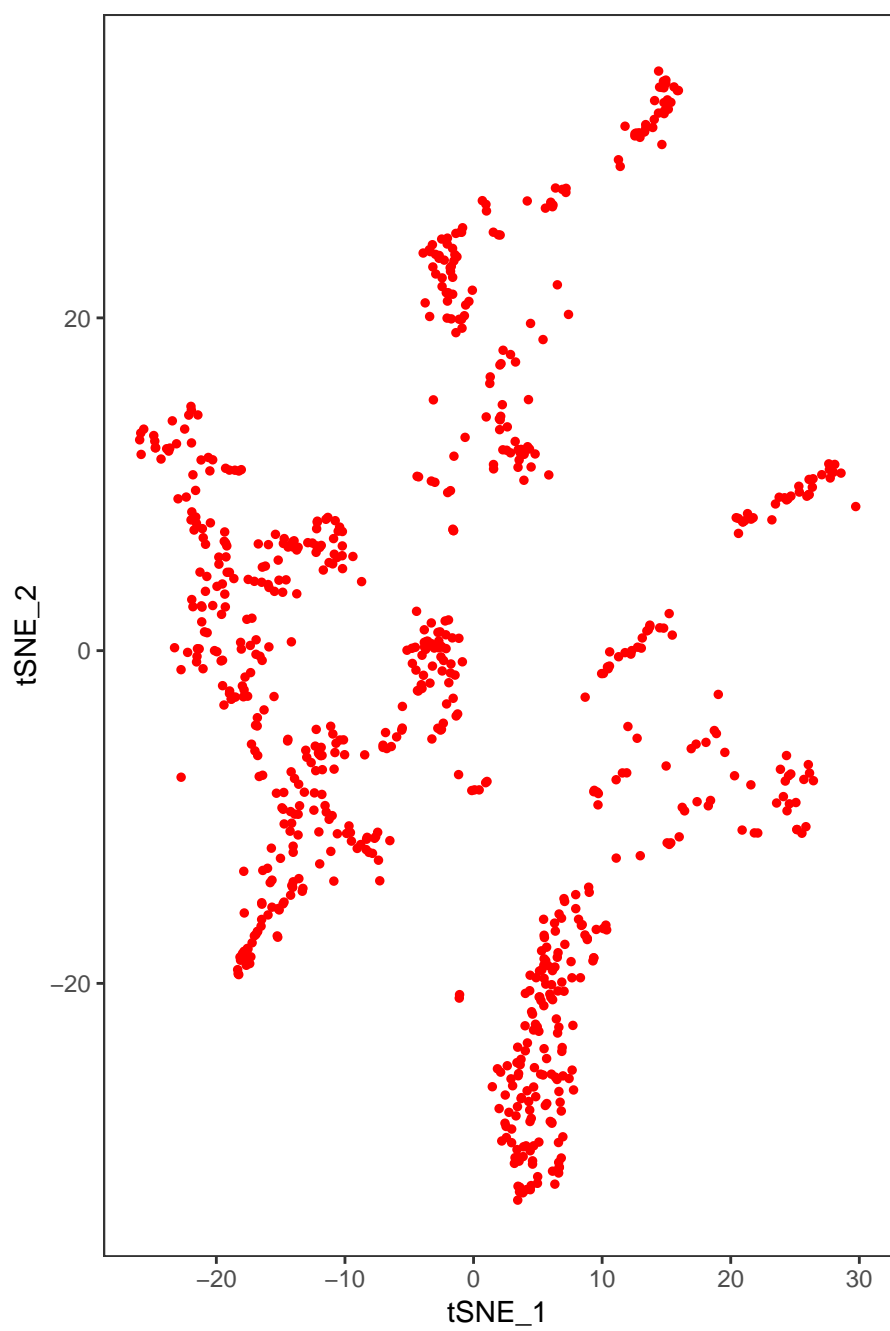
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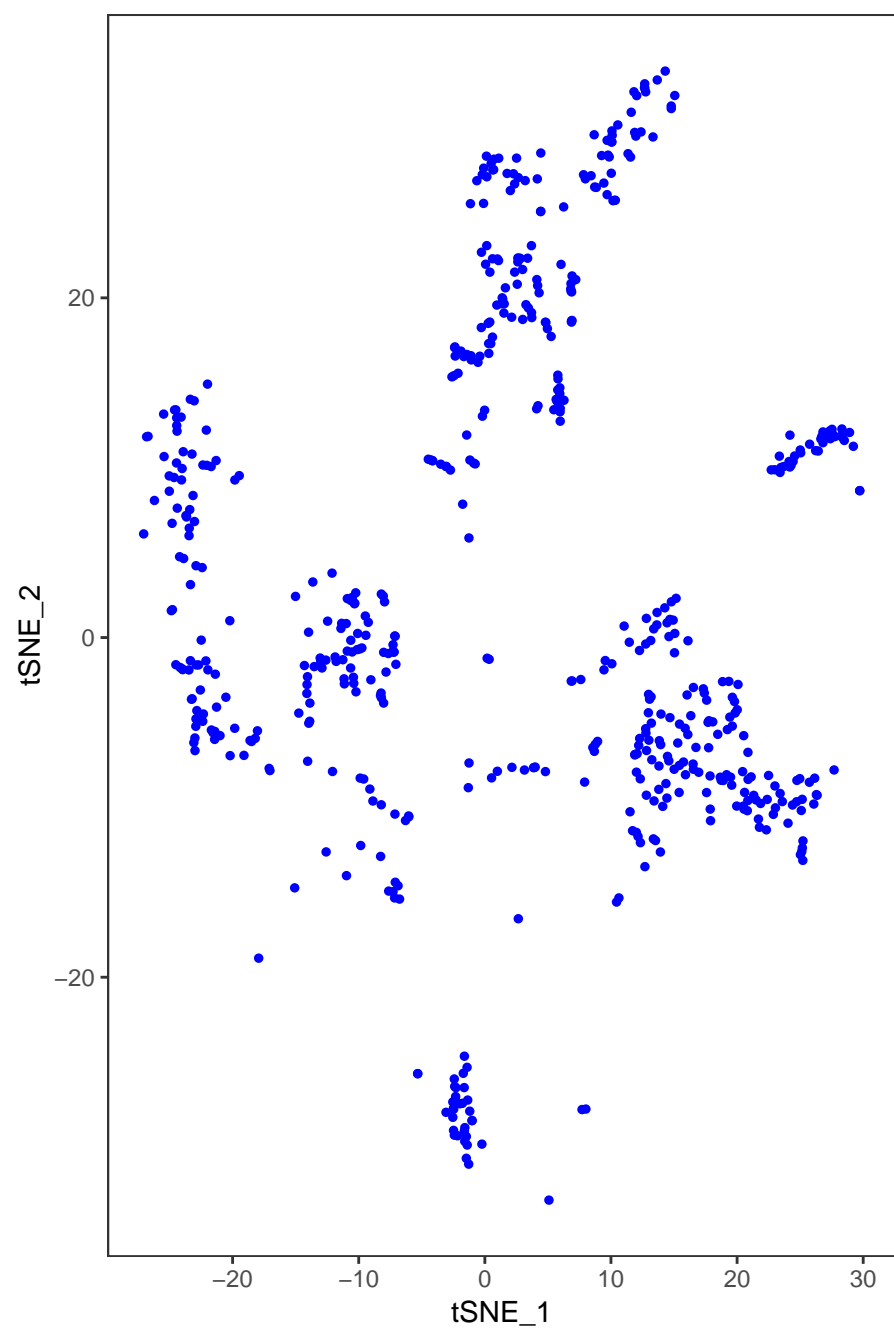




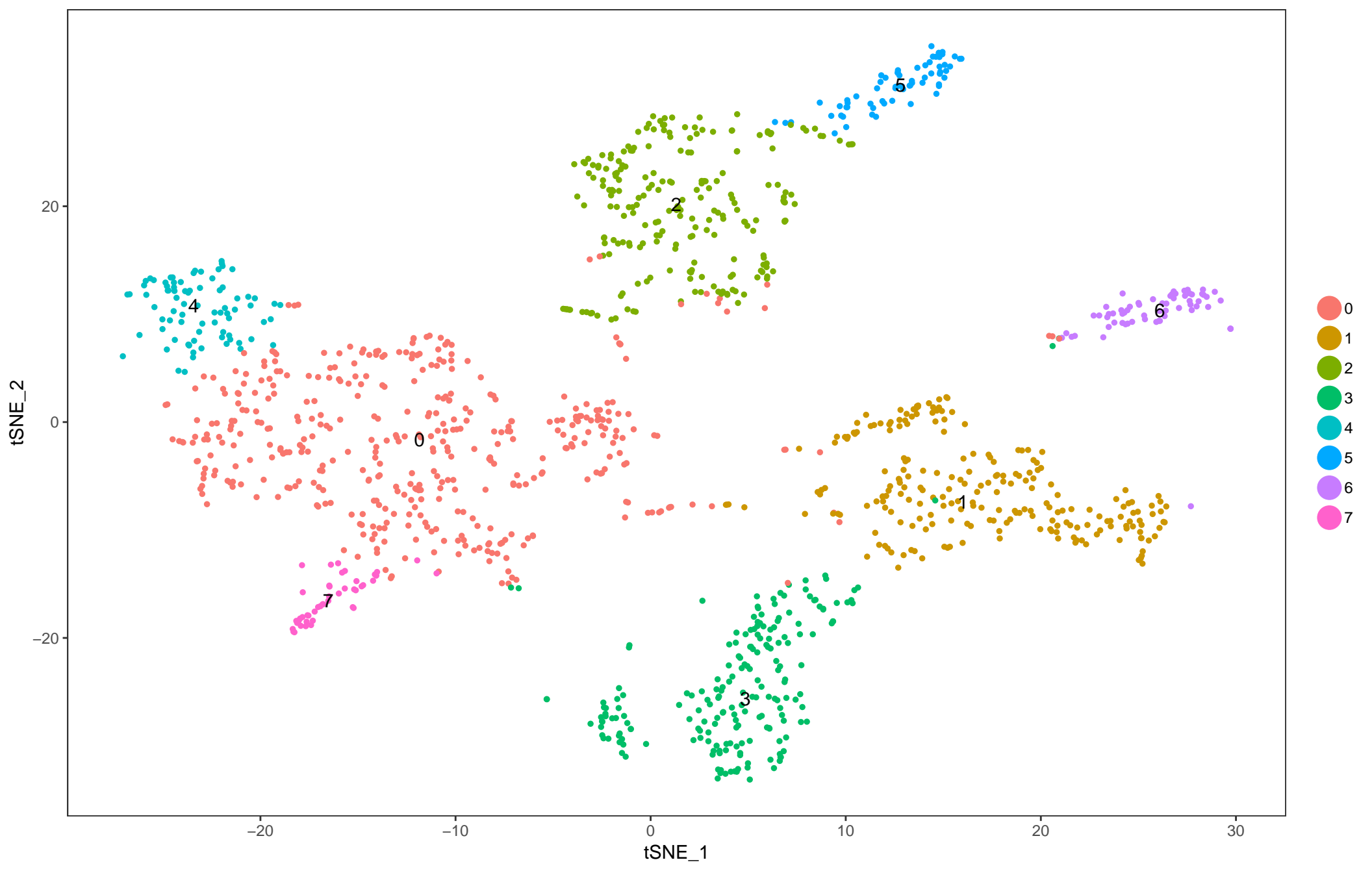




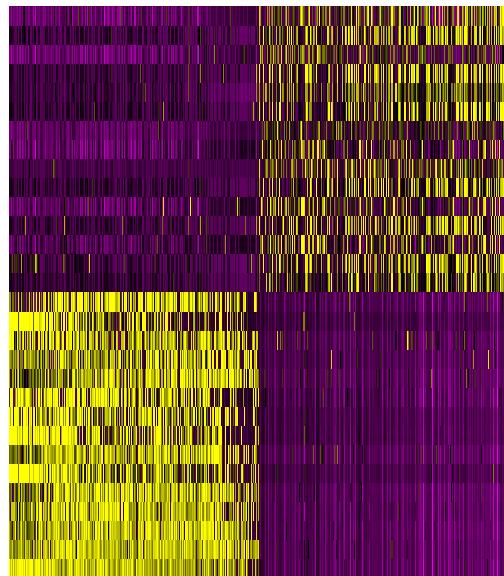
TU1



TU4

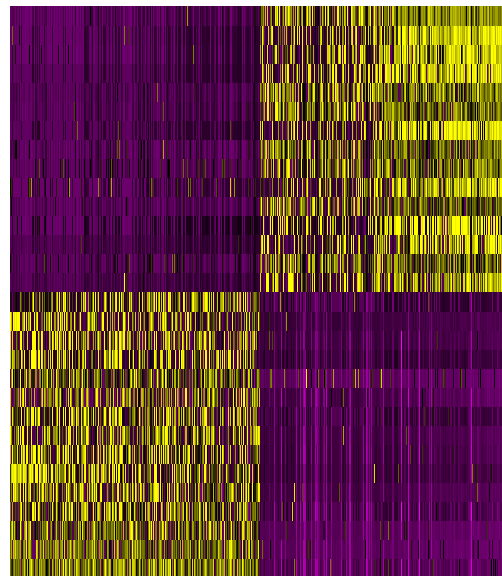


PC 1



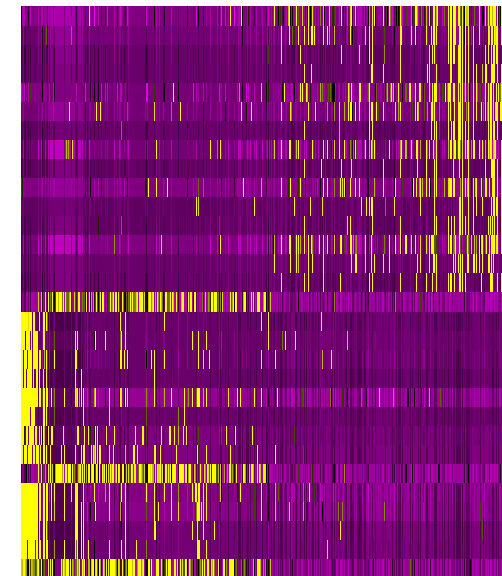
Plet1
Ctss
Sln
Cd74
Tyrobp
Cytip
Cd24a
Perp
Adam8
Rgs1
Dsp
Csfr1r
Krt6a
Csfr2b
Cd52
Spon1
Serpina3n
Gpx3
Thy1
Col6a3
Lox
Cpxm1
Lum
Serpinf1
Dcn
Postn
Thbs2
Col8a1
Bgn
Fstl1

PC 2



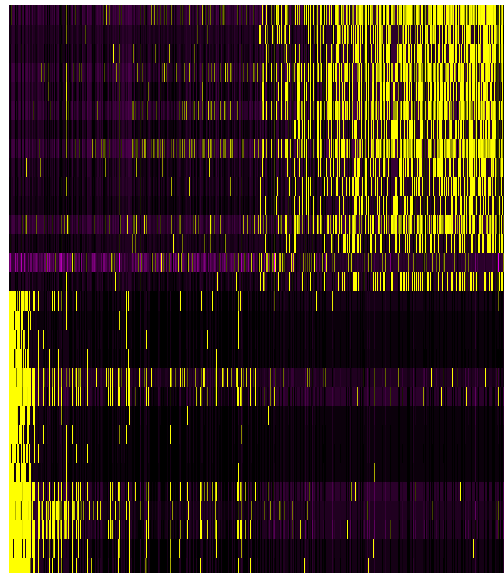
Tyrobp
Ctss
Csfr2b
Csfr1r
Plek
Foer1g
Cd74
Lilrb4a
Il1rn
Gm2a
Cd53
Lyz2
Clec7a
Lilrb4b
Slc15a3
Lgals7
Lama5
Klk8
Lypd3
Hspa1b
Col18a1
Krt6a
Itgb4
Dsp
Cldn4
Clu
Perp
Hspb1
Krt18
Sln

PC 3



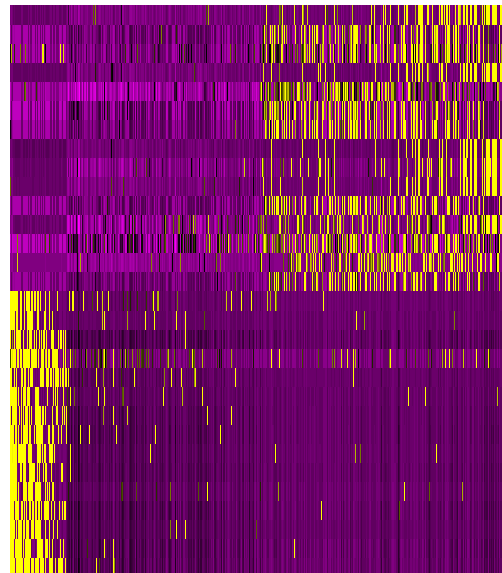
Tmem123
Tnfrsf9
Icos
Cd2
Ets1
Il2rg
Foxp3
Cytip
Ptpcap
Ilngf1
Tnfrsf18
Tnfrsf4
Rgs1
P2ry10
Il2rb
Clec4e
Endou
Klk10
Glb2
Spr2h
Krt16
Cysrt1
Asprv1
BC100530
Clec4d
Dmkn
Spr1b
Krt6b
Krt6a
S100a8

PC 4



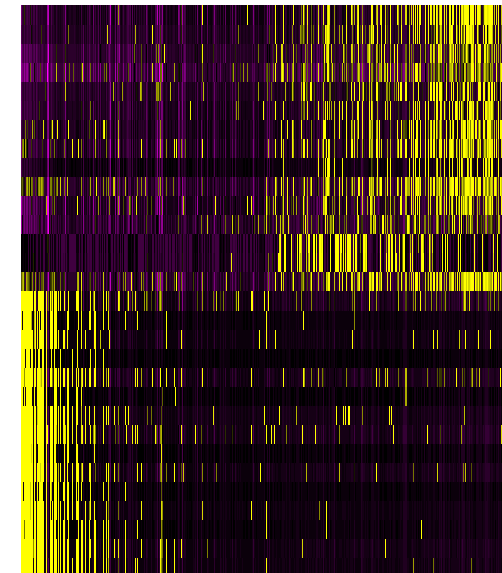
Clec4d
G0s2
Hdc
Ccr12
Irf1
Clec4e
Gm5483
Nlrp3
Fpr2
Csfr3r
Stfa211
Cxcl3
Cyp4f18
Tnc
Sln4
Evpl
Klk11
Calml3
Klk13
Fabp5
Ly6d
Endou
Cysrt1
Spr2h
Sprnk5
Spr1b
Sbsn
Dmkn
Krt6a
Krt6b

PC 5

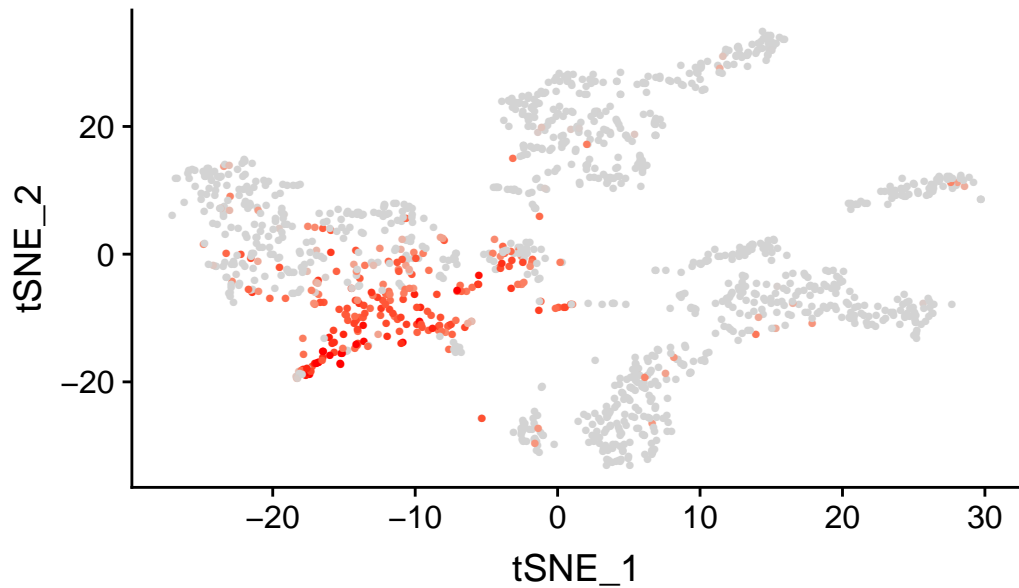
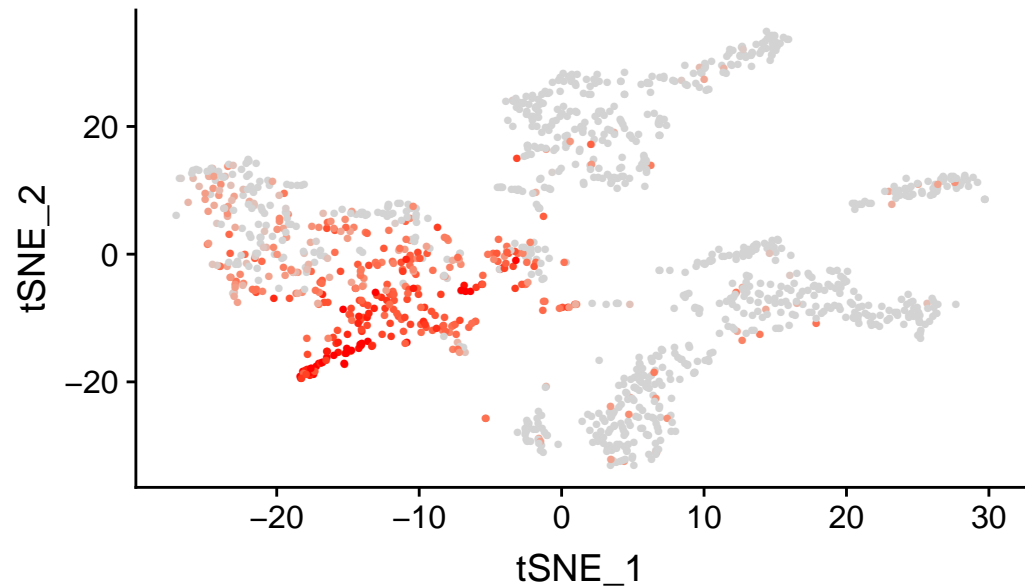
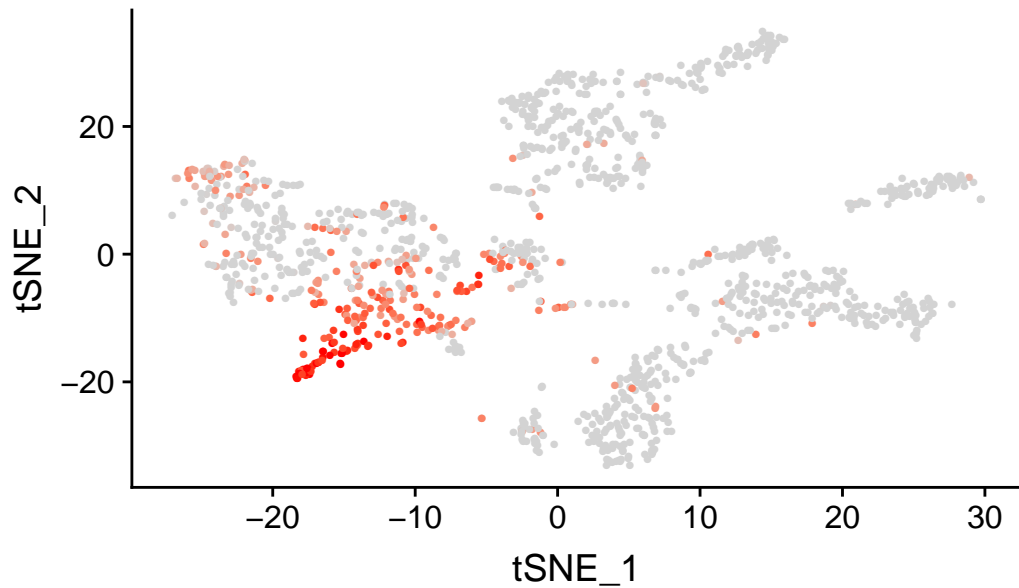


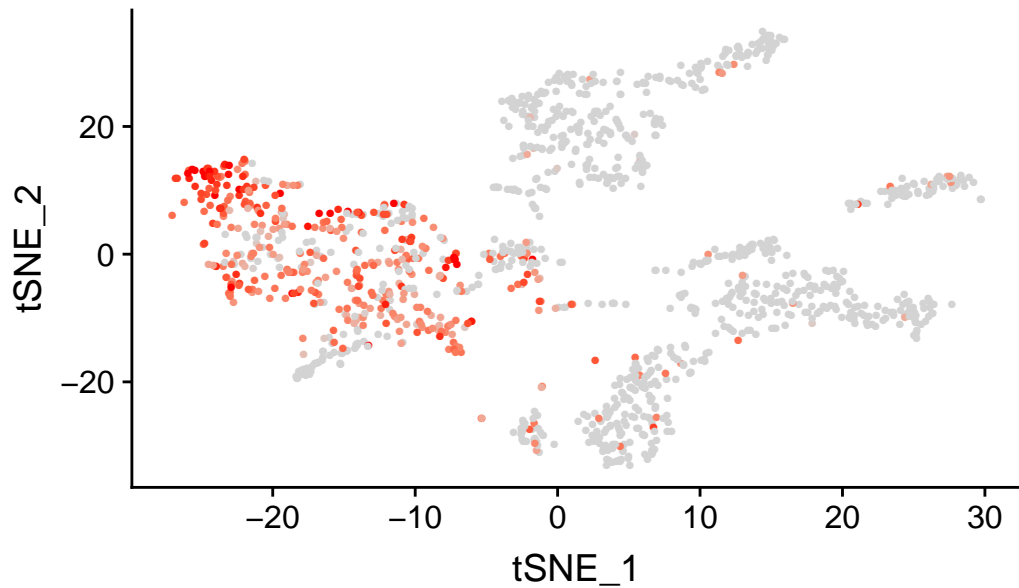
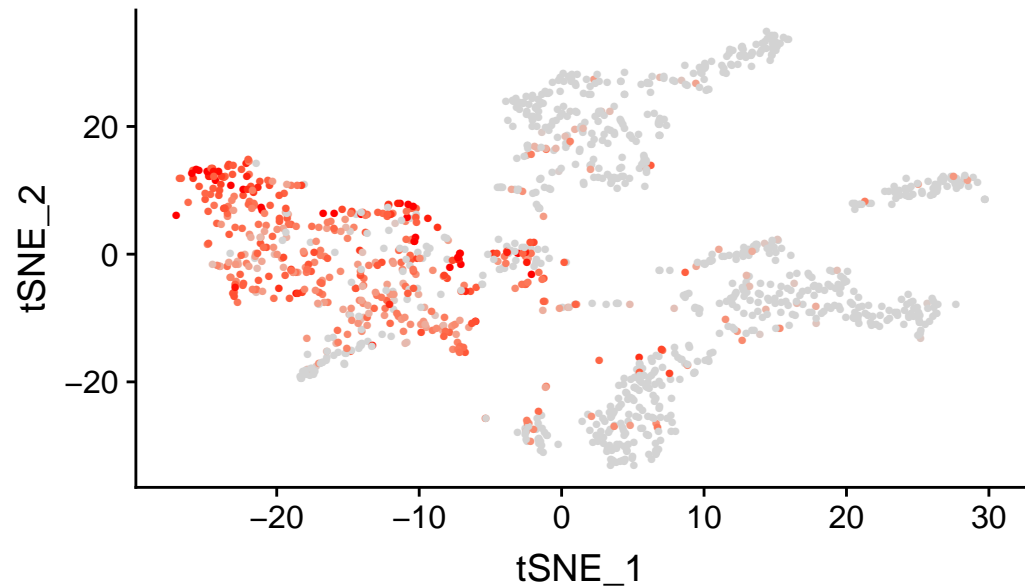
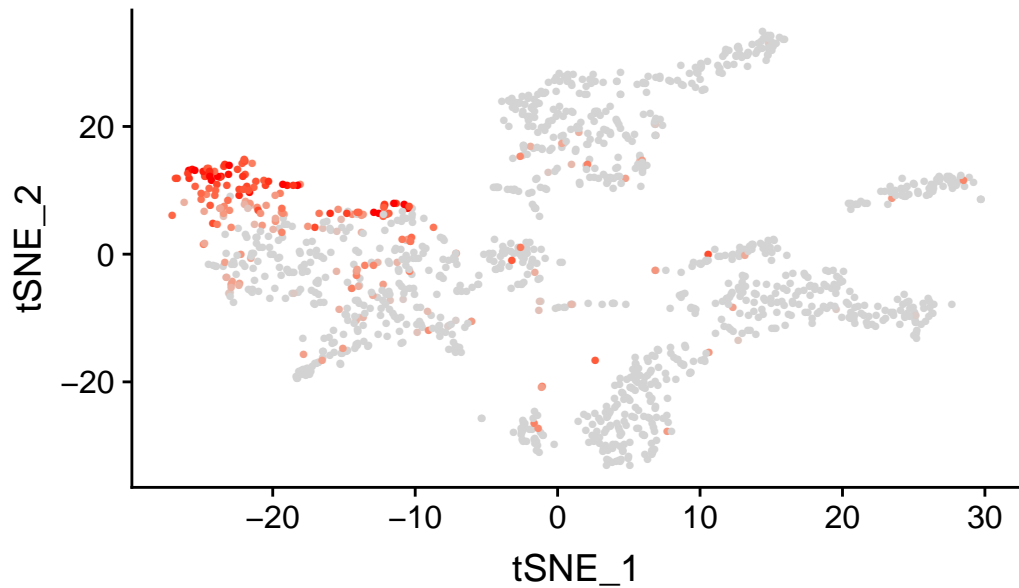
C4b
Mrc1
Sepp1
Dpt
Trf
Lyz2
C1qc
Clec3b
Ly6c1
Efemp1
C1qb
Lbp
Lgmn
Krt19
C1qa
Hoxp
Tnfrsf18
Cd3g
Rora
Cxc16
Ilkzf2
Il2ra
Il2rb
Cd2
Ptpcap
Tnfrsf4
Cd3d
Foxp3
Ctla4
Icos

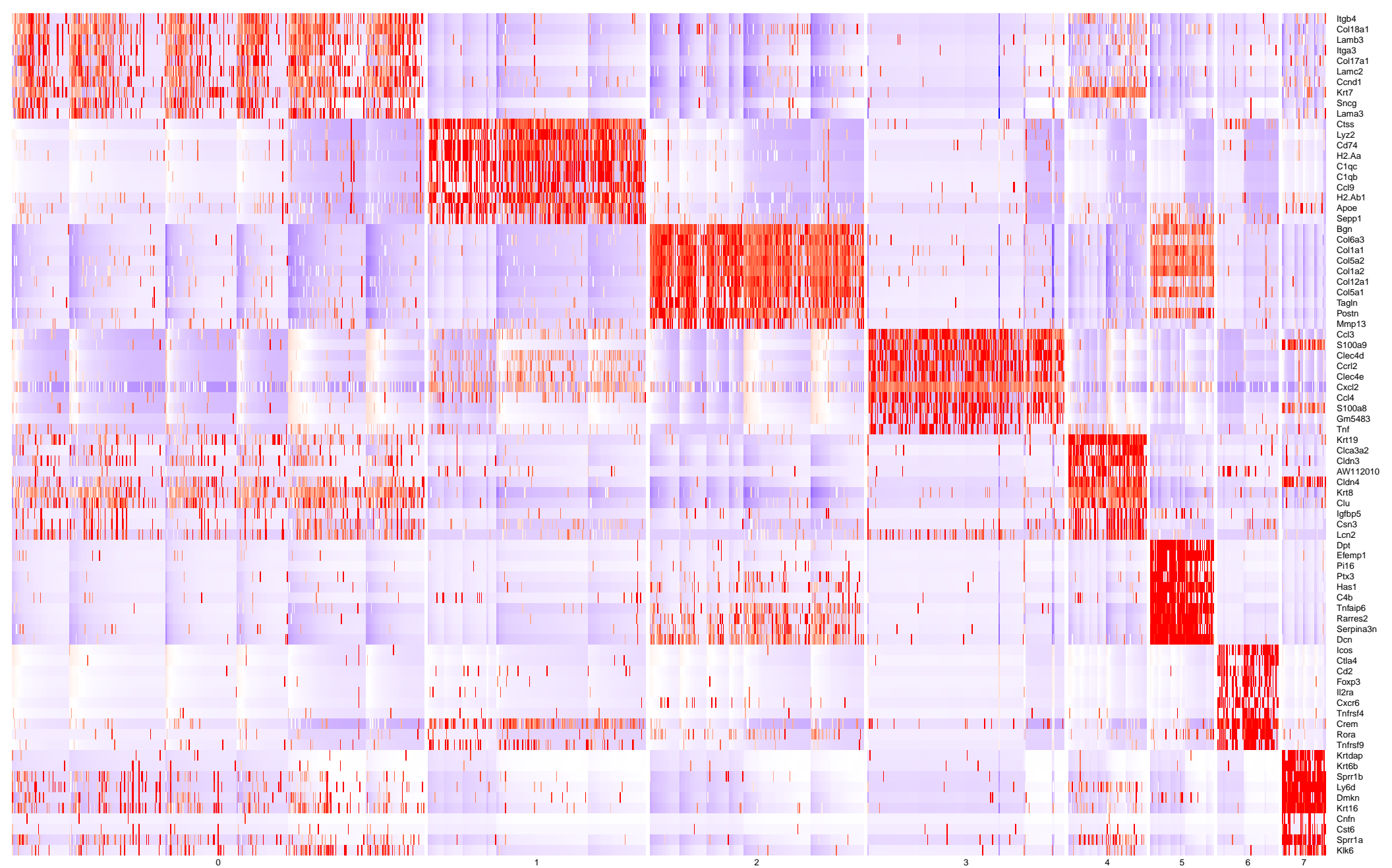
PC 6

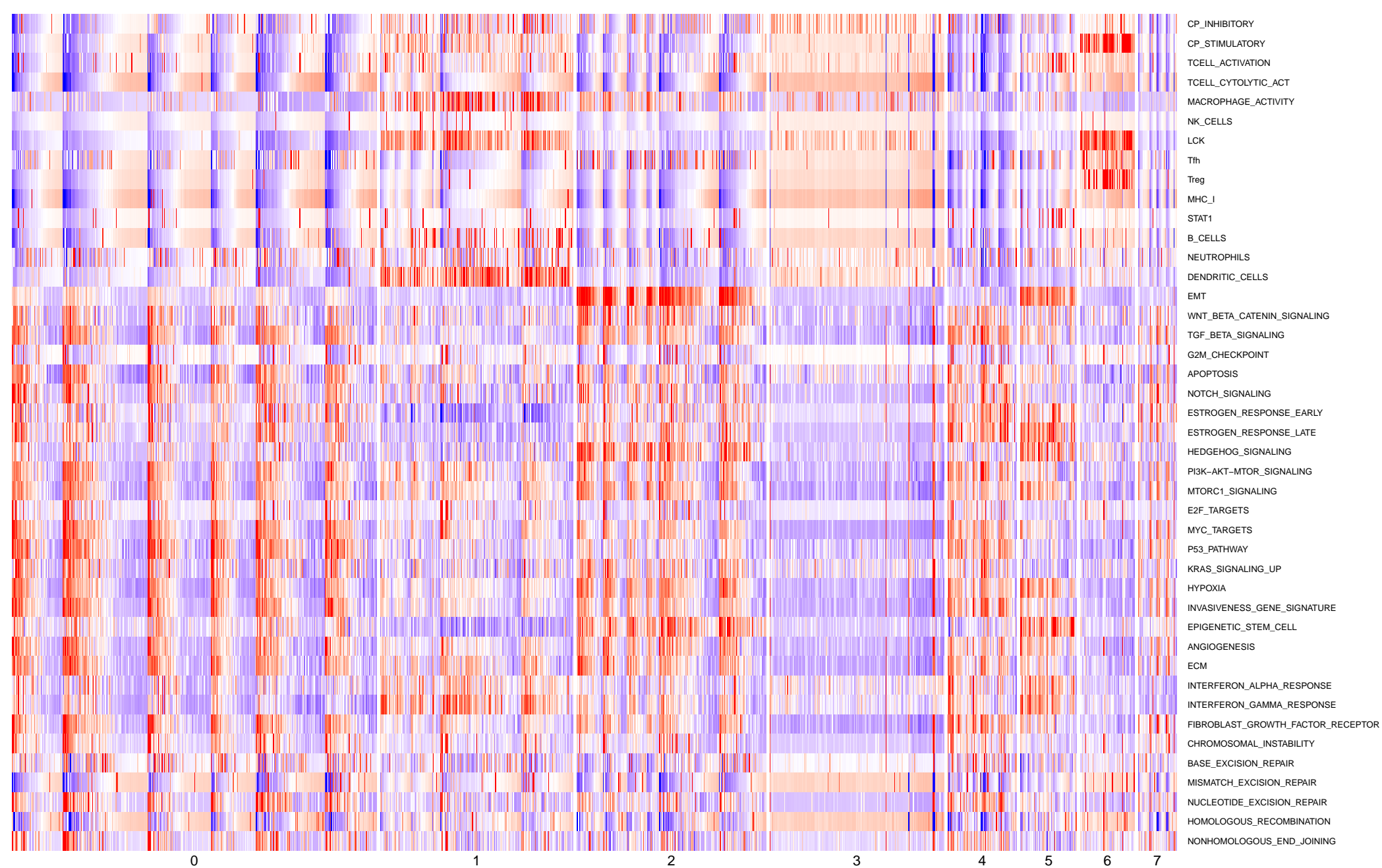


Lrrc15
Tagln
Col7a1
Tnc
Mmp13
Acta2
Pdgrfb
Spon1
Actg2
Col5a3
Col8a1
Tpm2
C1qb
C1qc
Col6a3
Lbp
Spon2
Ihh5
Txnb
Has1
Prg4
C4b
Ly6c1
Cadm3
Pbx3
Strp4
Pr16
Clec3b
Efemp1
Dpt

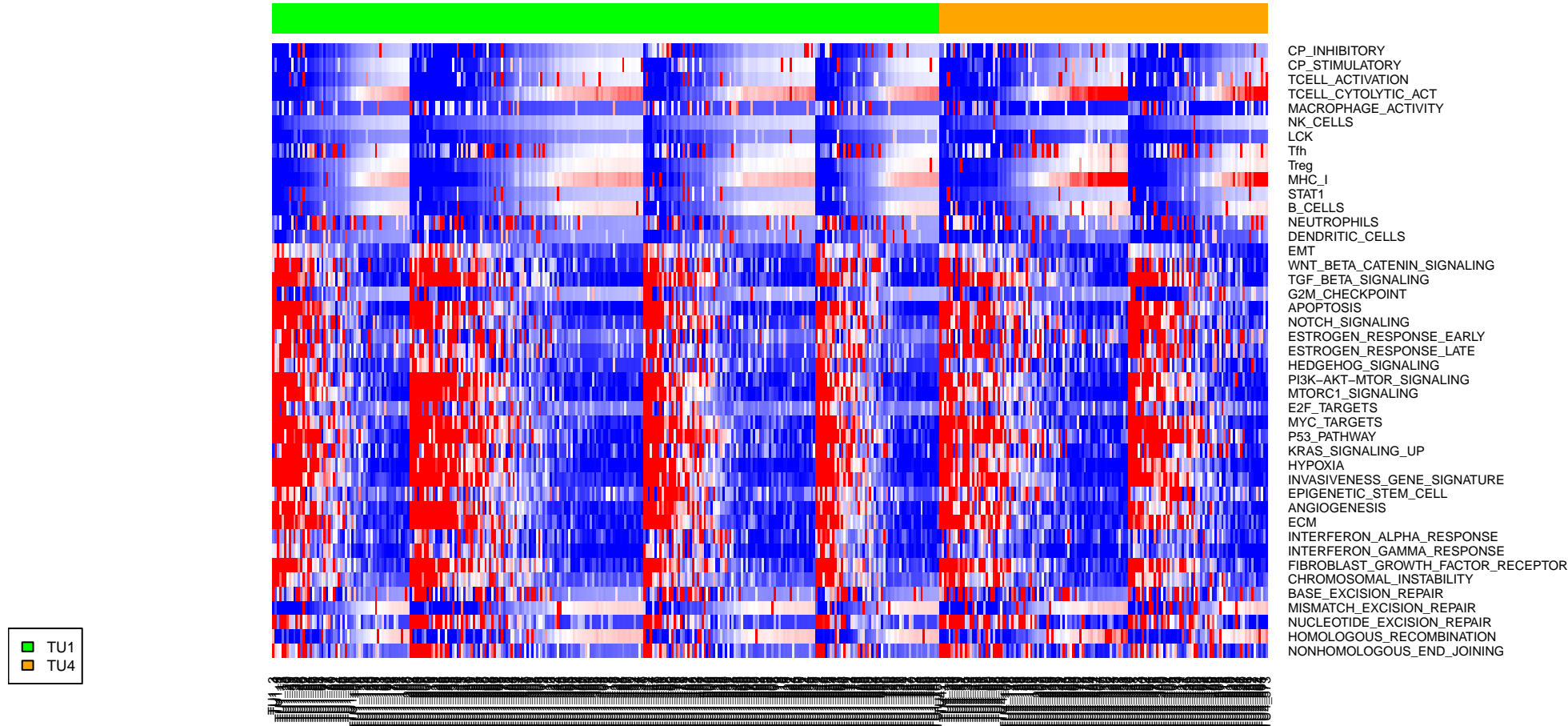
Krt5**Krt14****Krt6a**

Krt8**Krt18****Krt19**

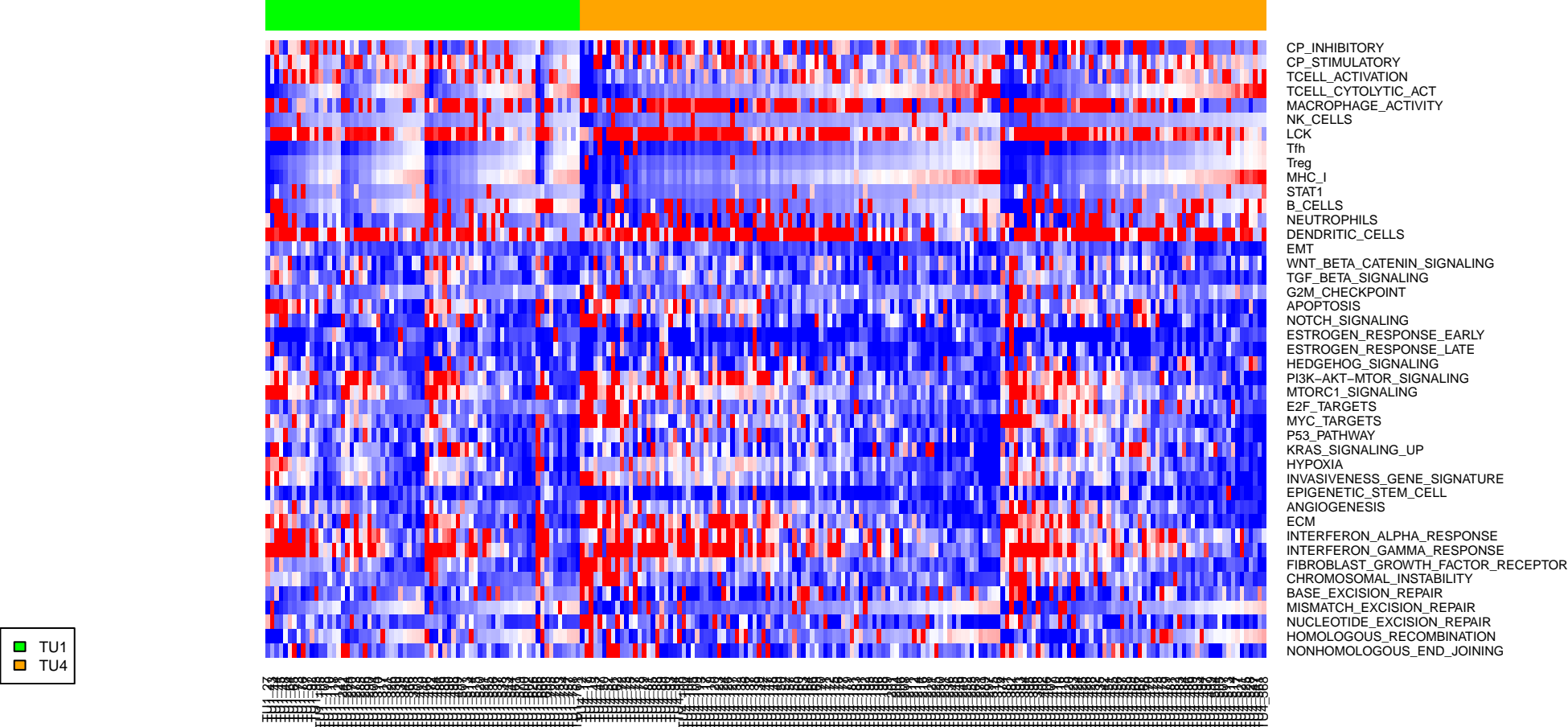




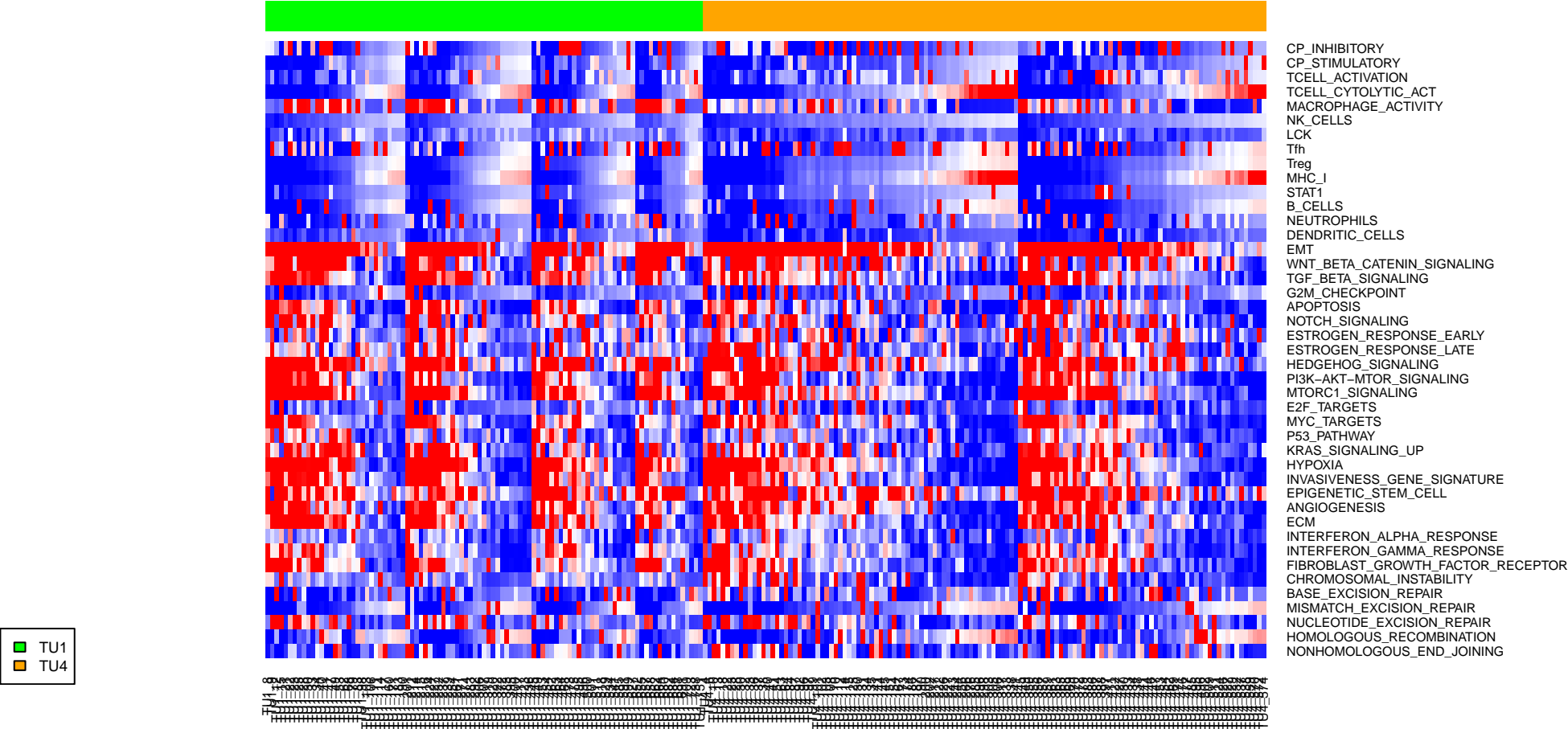
Gene-set enrichment within the cluster 0(TU1/TU4)



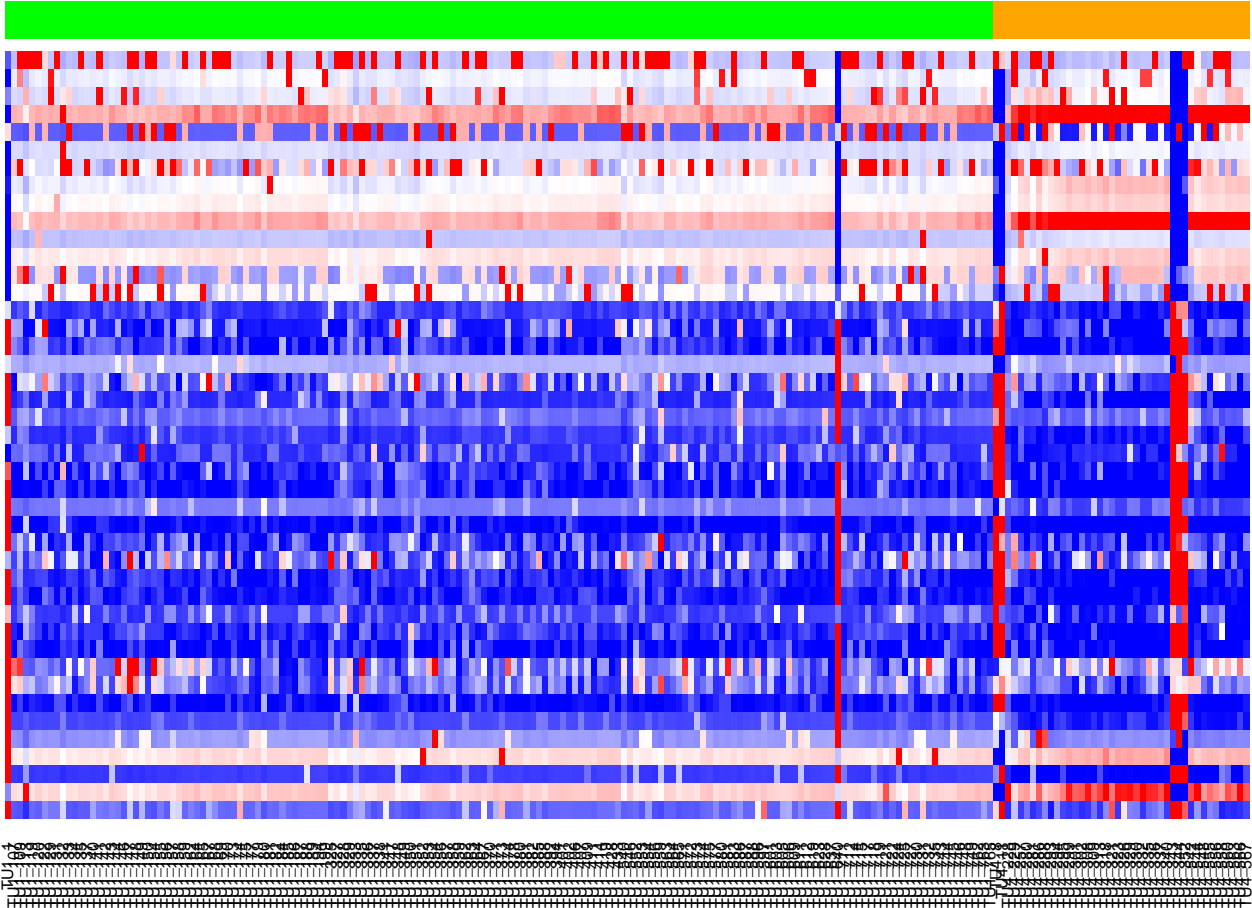
Gene-set enrichment within the cluster 1(TU1/TU4)



Gene-set enrichment within the cluster 2(TU1/TU4)

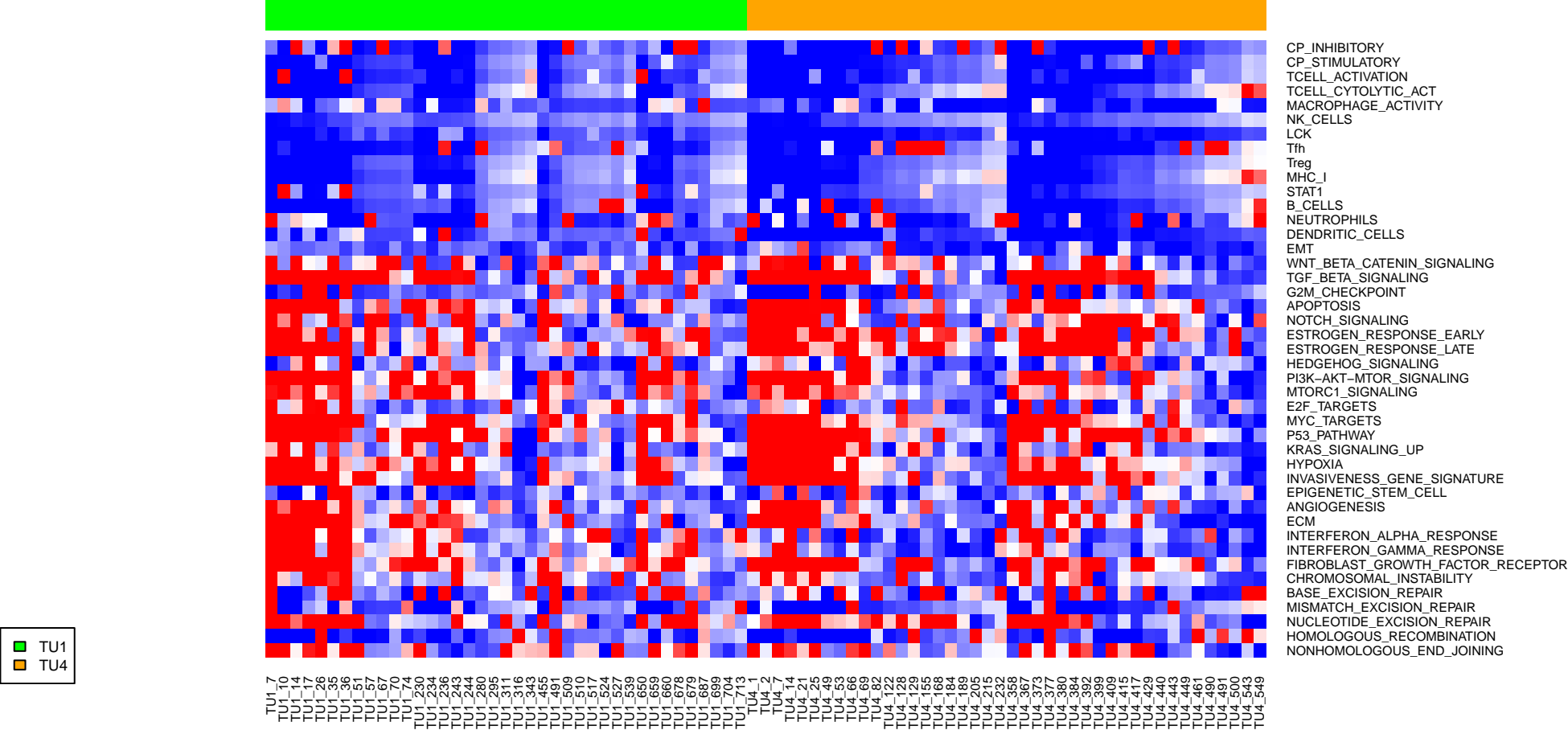


Gene-set enrichment within the cluster 3(TU1/TU4)

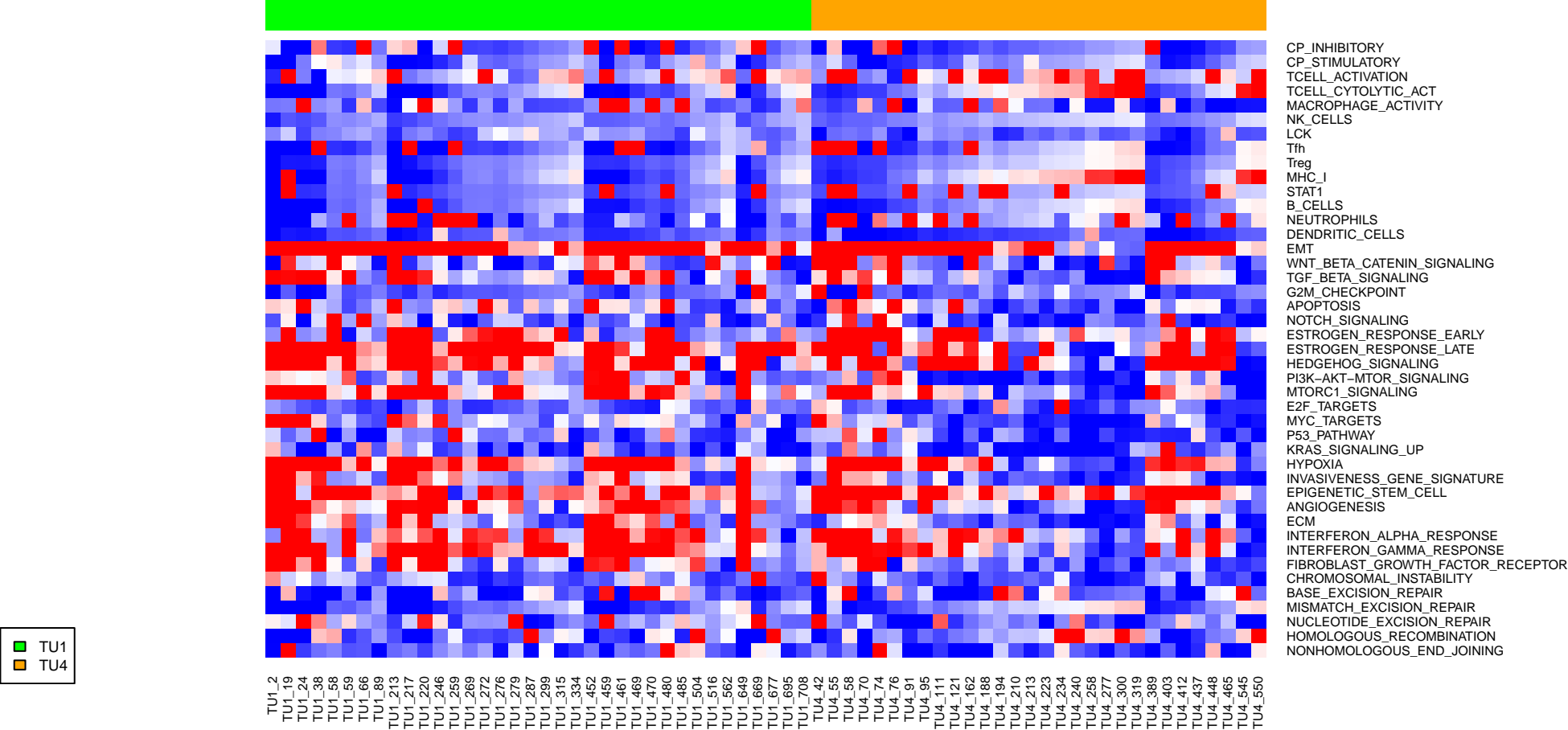


- CP_INHIBITORY
- CP_STIMULATORY
- TCELL_ACTIVATION
- TCELL_CYTOLYTIC_ACT
- MACROPHAGE_ACTIVITY
- NK_CELLS
- LCK
- Tfh
- Treg
- MHC_I
- STAT1
- B_CELLS
- NEUTROPHILS
- DENDRITIC_CELLS
- EMT
- WNT_BETA_CATENIN_SIGNALING
- TGF_BETA_SIGNALING
- G2M_CHECKPOINT
- APOPTOSIS
- NOTCH_SIGNALING
- ESTROGEN_RESPONSE_EARLY
- ESTROGEN_RESPONSE_LATE
- HEDGEHOG_SIGNALING
- PI3K-AKT-MTOR_SIGNALING
- MTORC1_SIGNALING
- E2F_TARGETS
- MYC_TARGETS
- P53_PATHWAY
- KRAS_SIGNALING_UP
- HYPOXIA
- INVASIVENESS_GENE_SIGNATURE
- EPIGENETIC_STEM_CELL
- ANGIOGENESIS
- ECM
- INTERFERON_ALPHA_RESPONSE
- INTERFERON_GAMMA_RESPONSE
- FIBROBLAST_GROWTH_FACTOR_RECEPTOR
- CHROMOSOMAL_INSTABILITY
- BASE_EXCISION_REPAIR
- MISMATCH_EXCISION_REPAIR
- NUCLEOTIDE_EXCISION_REPAIR
- HOMOLOGOUS_RECOMBINATION
- NONHOMOLOGOUS_END_JOINING

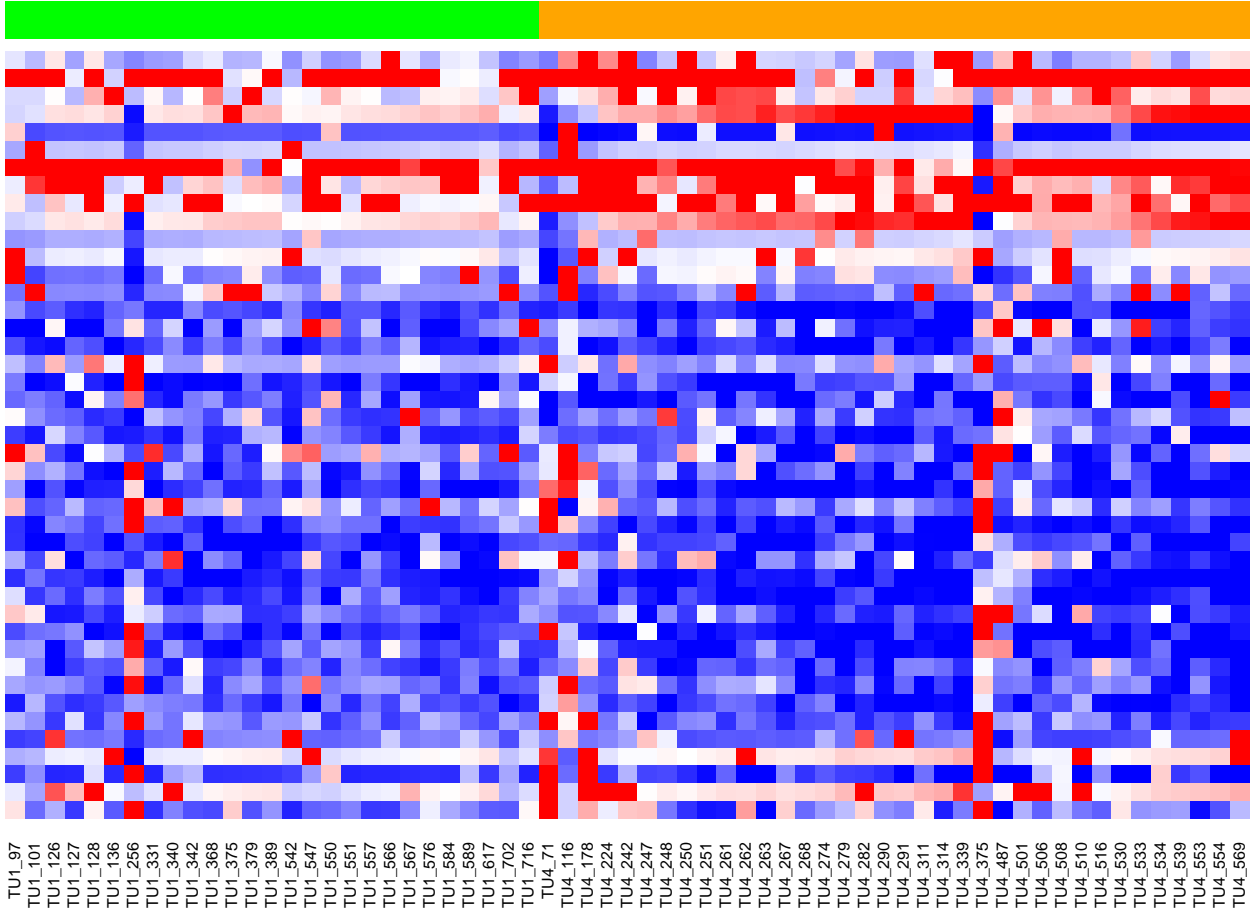
Gene-set enrichment within the cluster 4(TU1/TU4)



Gene-set enrichment within the cluster 5(TU1/TU4)



Gene-set enrichment within the cluster 6(TU1/TU4)



- CP_INHIBITORY
- CP_STIMULATORY
- TCELL_ACTIVATION
- TCELL_CYTOLYTIC_ACT
- MACROPHAGE_ACTIVITY
- NK_CELLS
- LCK
- Tfh
- Treg
- MHC_I
- STAT1
- B_CELLS
- NEUTROPHILS
- DENDRITIC_CELLS
- EMT
- WNT_BETA_CATENIN_SIGNALING
- TGF_BETA_SIGNALING
- G2M_CHECKPOINT
- APOPTOSIS
- NOTCH_SIGNALING
- ESTROGEN_RESPONSE_EARLY
- ESTROGEN_RESPONSE_LATE
- HEDGEHOG_SIGNALING
- PI3K-AKT-MTOR_SIGNALING
- MTORC1_SIGNALING
- E2F_TARGETS
- MYC_TARGETS
- P53_PATHWAY
- KRAS_SIGNALING_UP
- HYPOXIA
- INVASIVENESS_GENE_SIGNATURE
- EPIGENETIC_STEM_CELL
- ANGIOGENESIS
- ECM
- INTERFERON_ALPHA_RESPONSE
- INTERFERON_GAMMA_RESPONSE
- FIBROBLAST_GROWTH_FACTOR_RECEPTOR
- CHROMOSOMAL_INSTABILITY
- BASE_EXCISION_REPAIR
- MISMATCH_EXCISION_REPAIR
- NUCLEOTIDE_EXCISION_REPAIR
- HOMOLOGOUS_RECOMBINATION
- NONHOMOLOGOUS_END_JOINING

Gene-set enrichment within the cluster 7(TU1/TU4)

