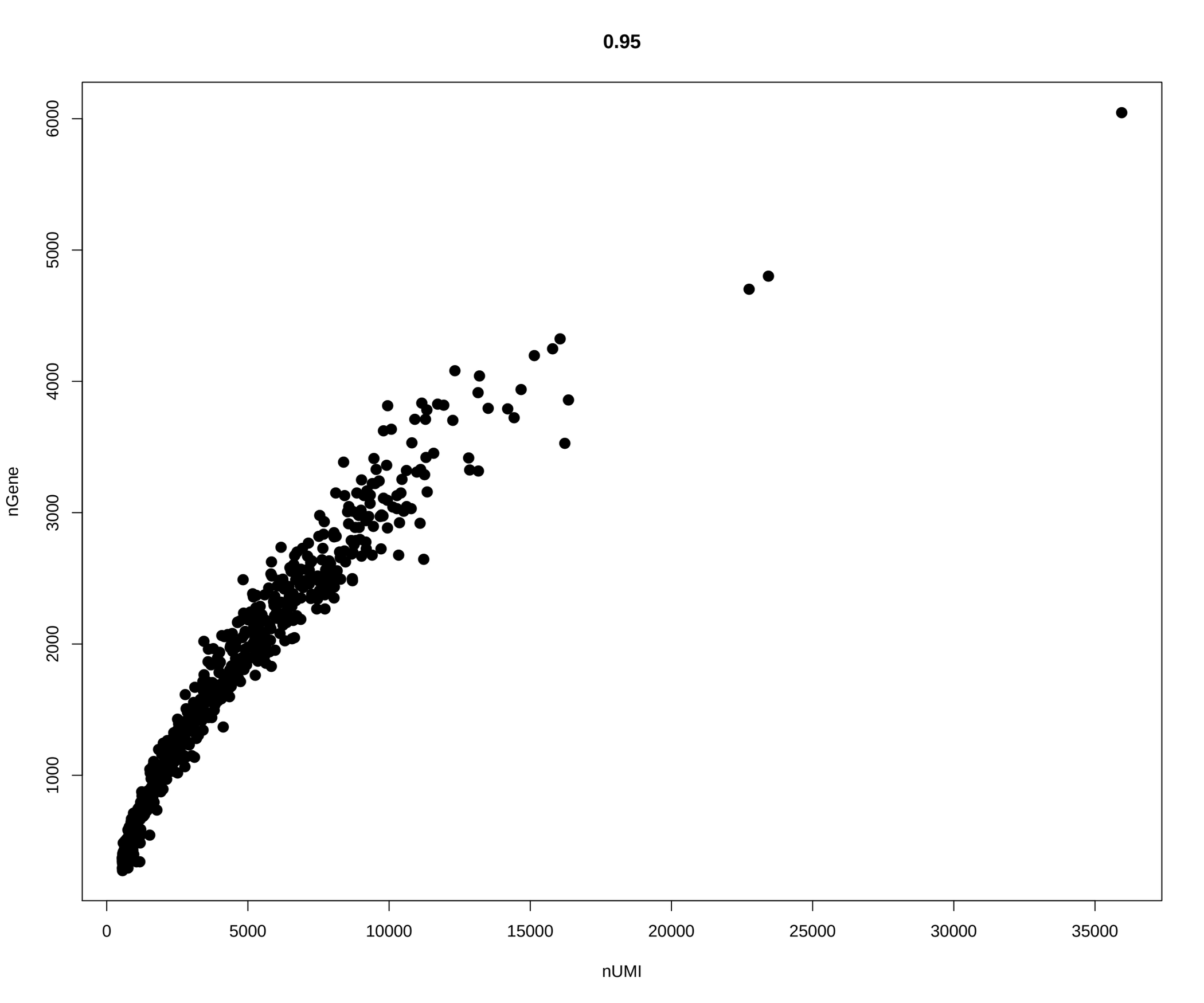
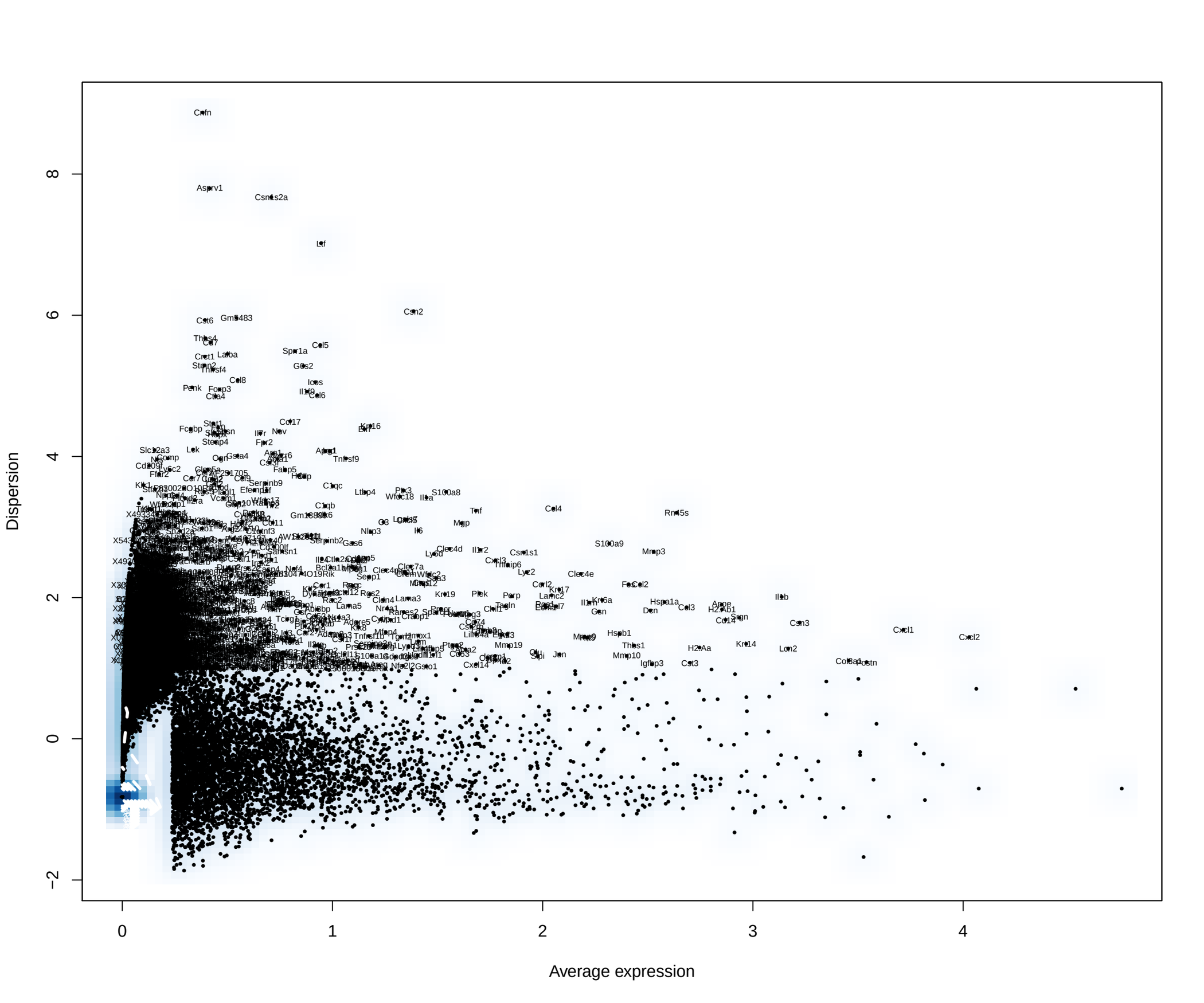
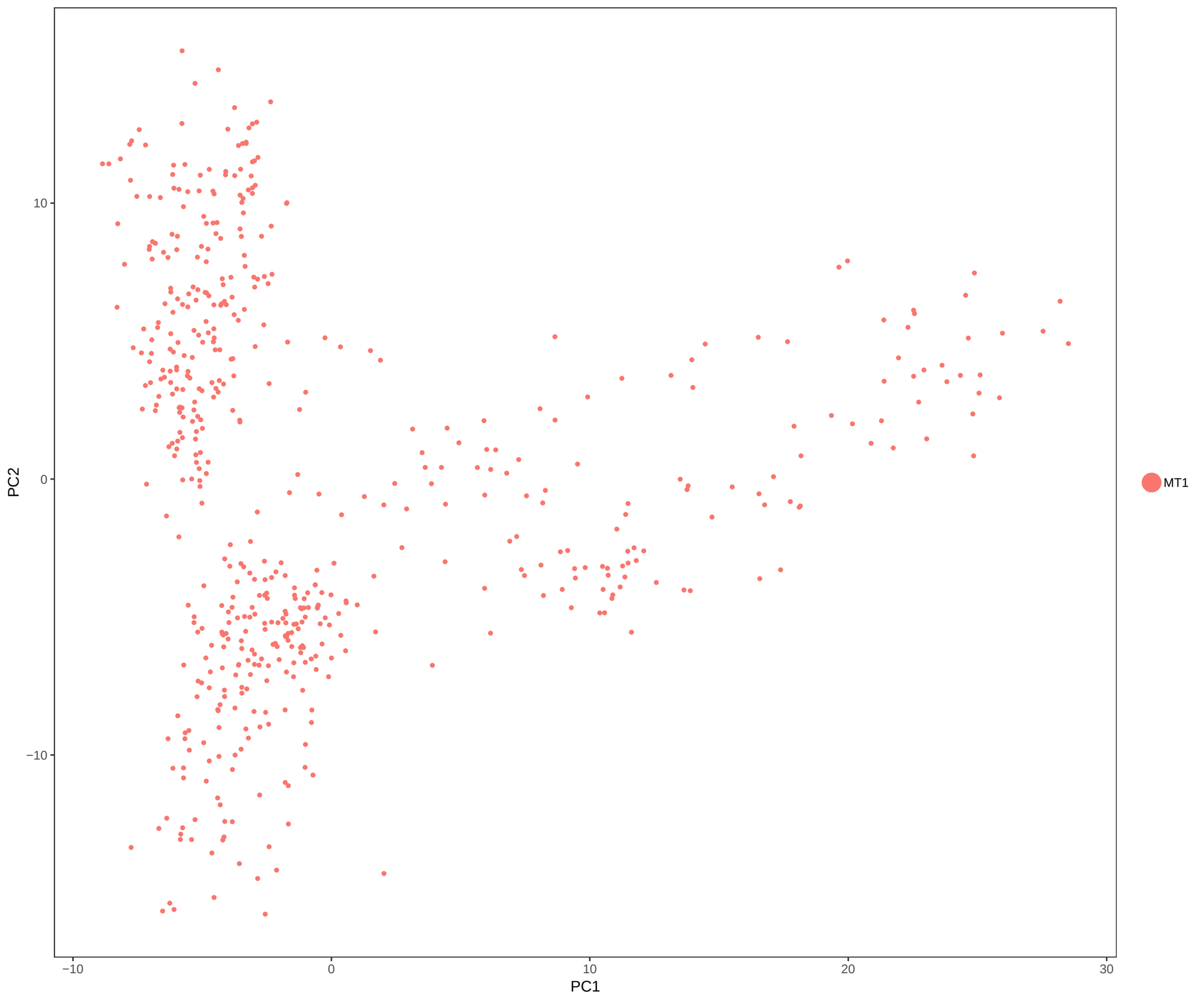
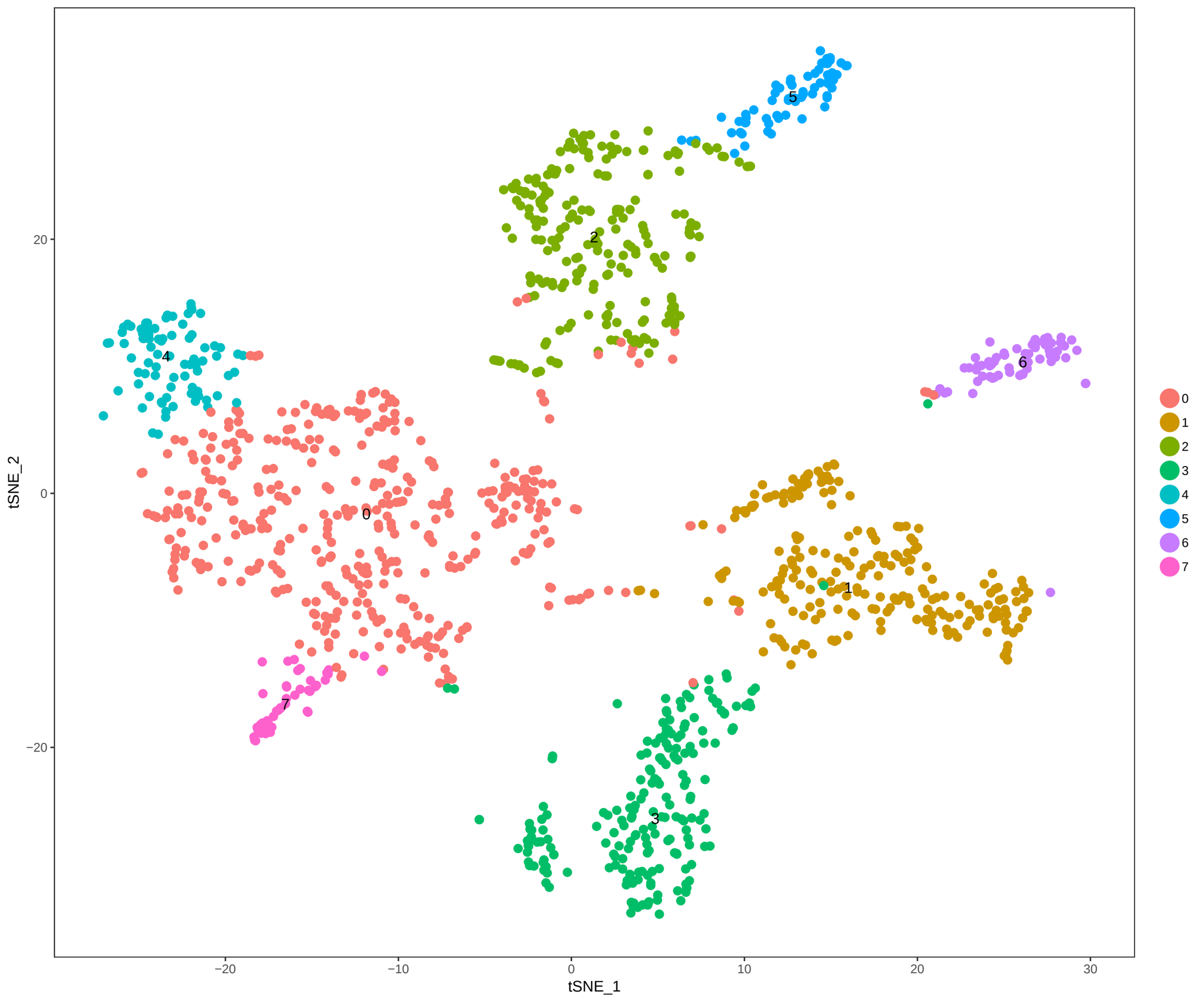
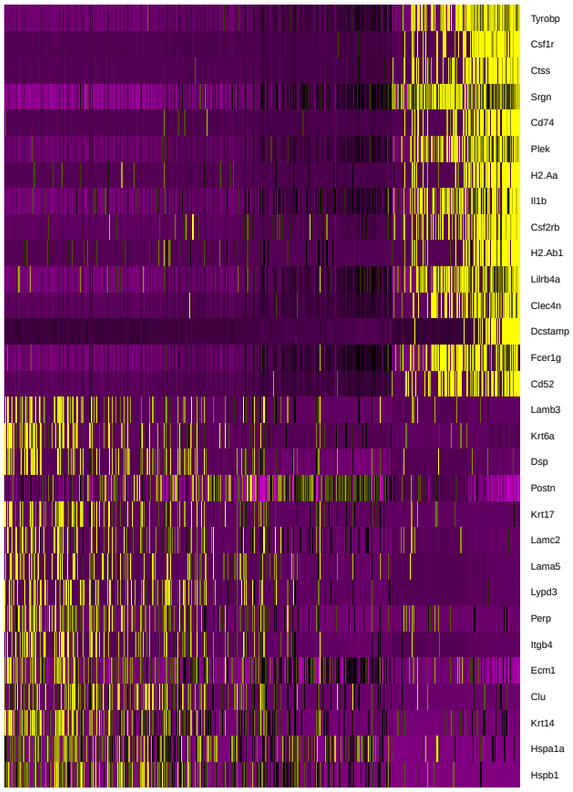

0.95
nGene
nUMI
1000
2000
3000
4000
5000
6000
0
5000
10000
15000
20000
25000
30000
35000


Dispersion
Average expression
8
6
4
2
0
−2
0
1
2
3
4

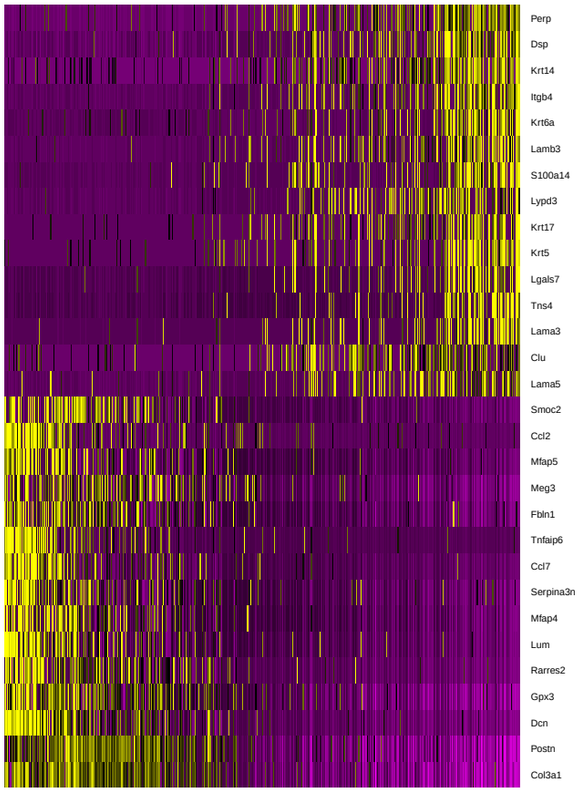

10
0
−10
PC2
−10
0
10
20
30
PC1
MT1


tSNE_2
tSNE_1
20
0
−20
−20
−10
0
10
20
30
0
1
2
3
4
5
6
7

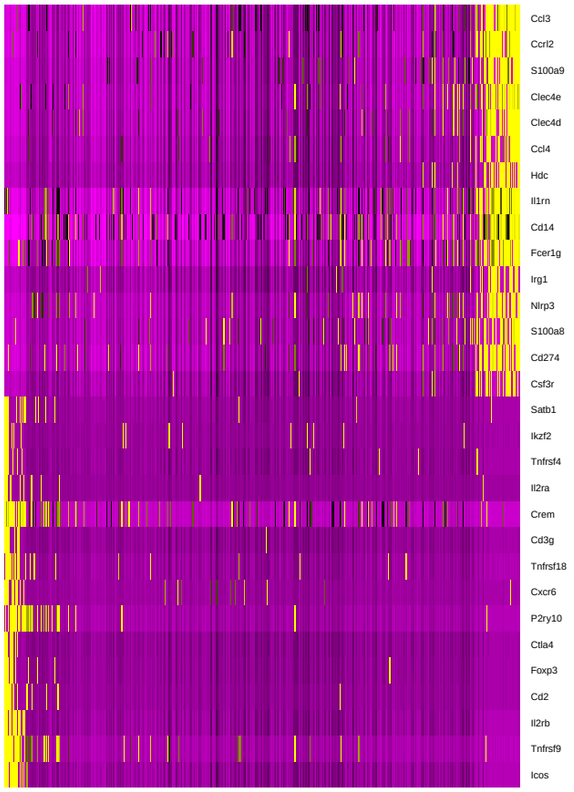
PC 1



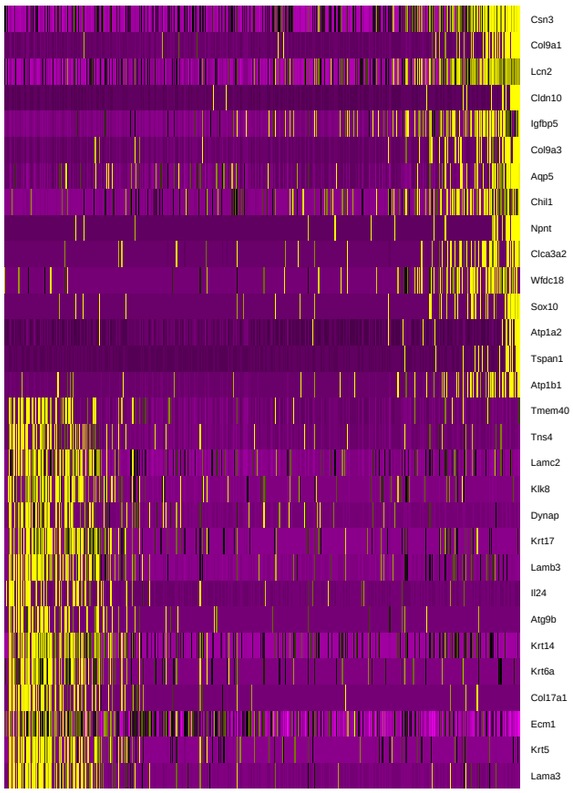
PC 2



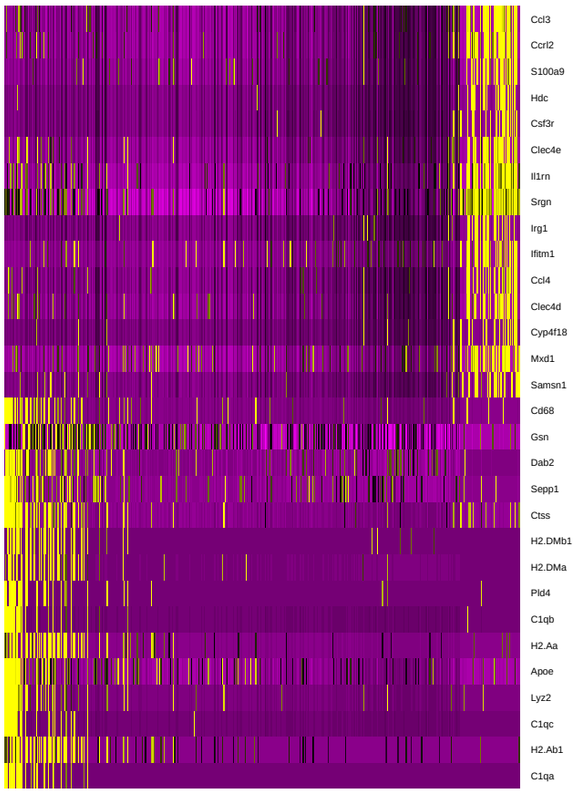
PC 3



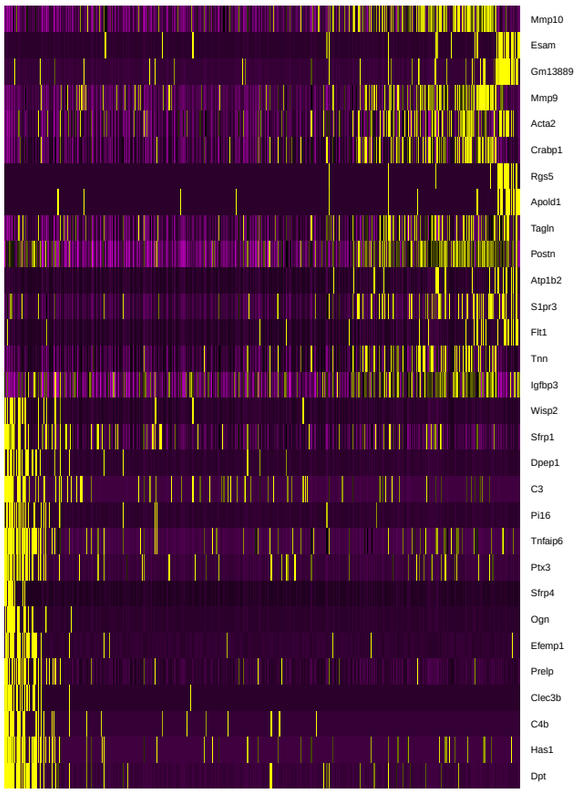
PC 4

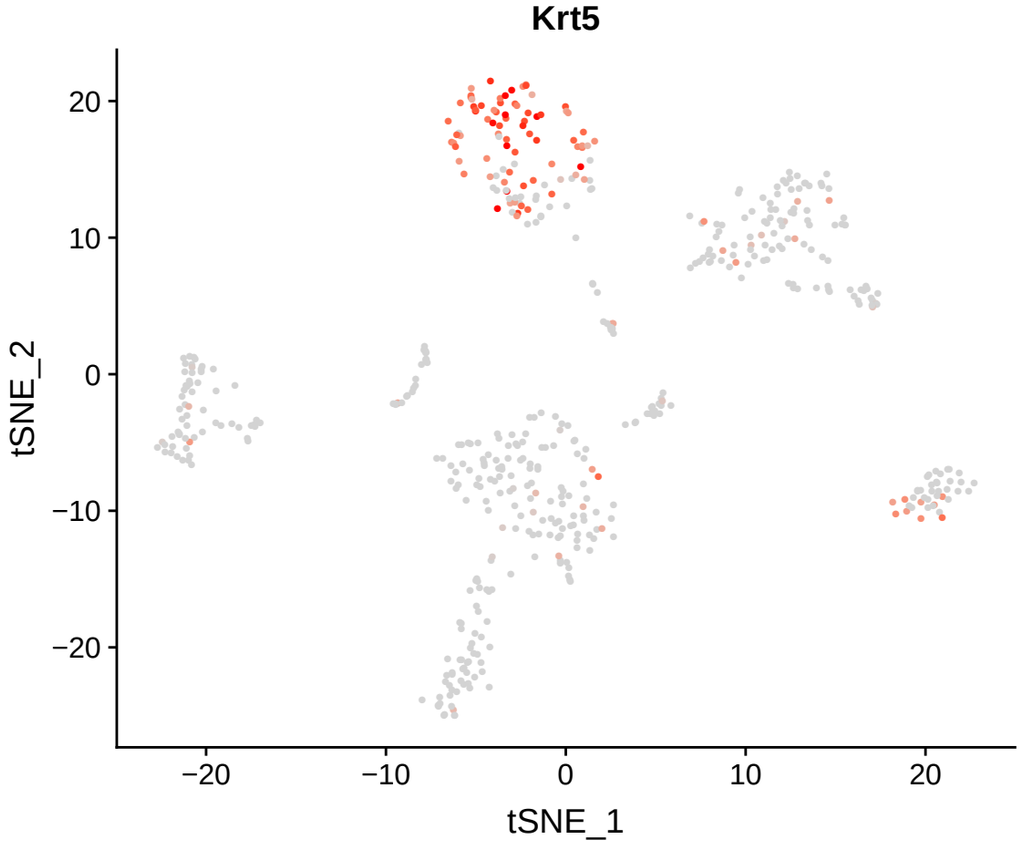


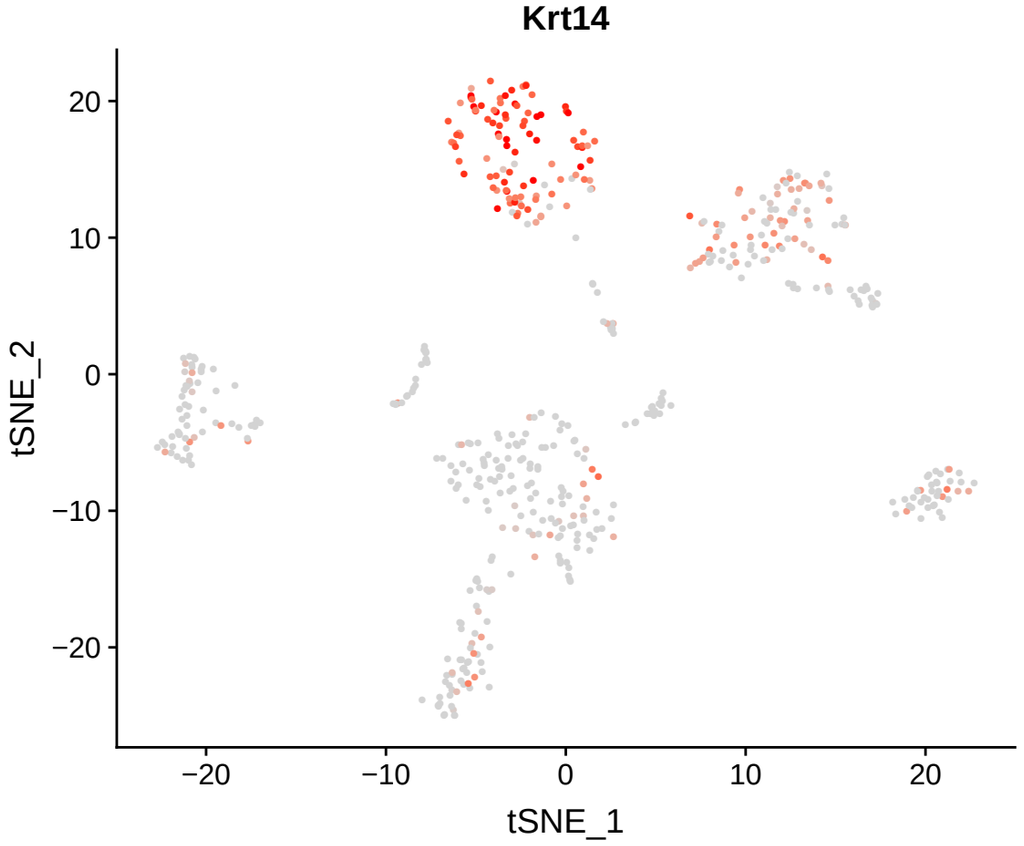
PC 5

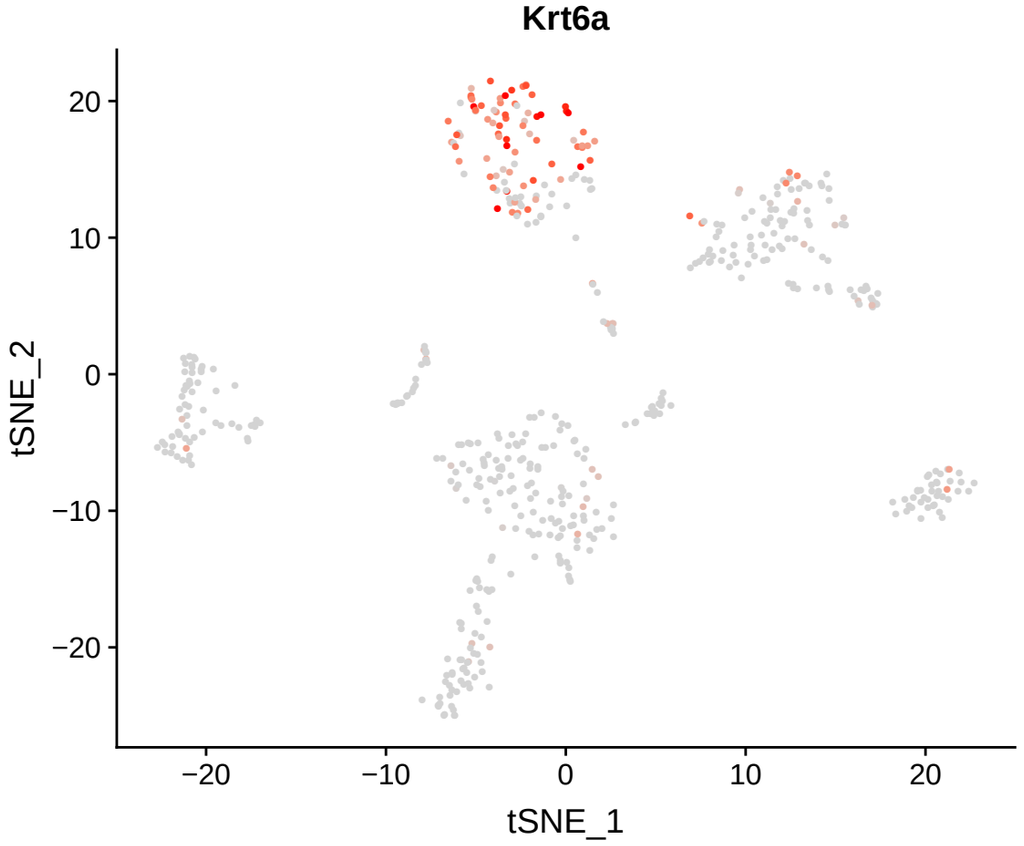


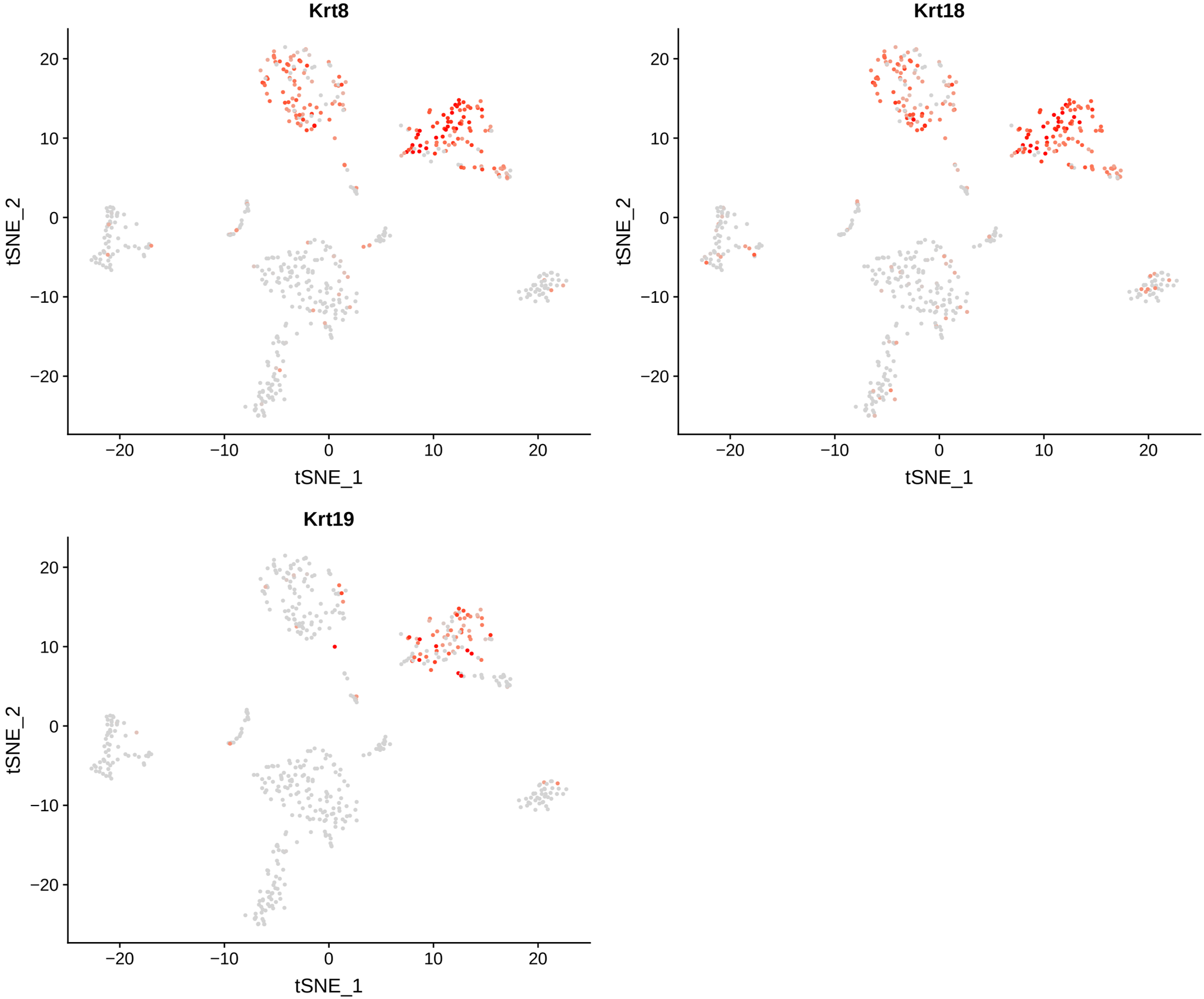
PC 6

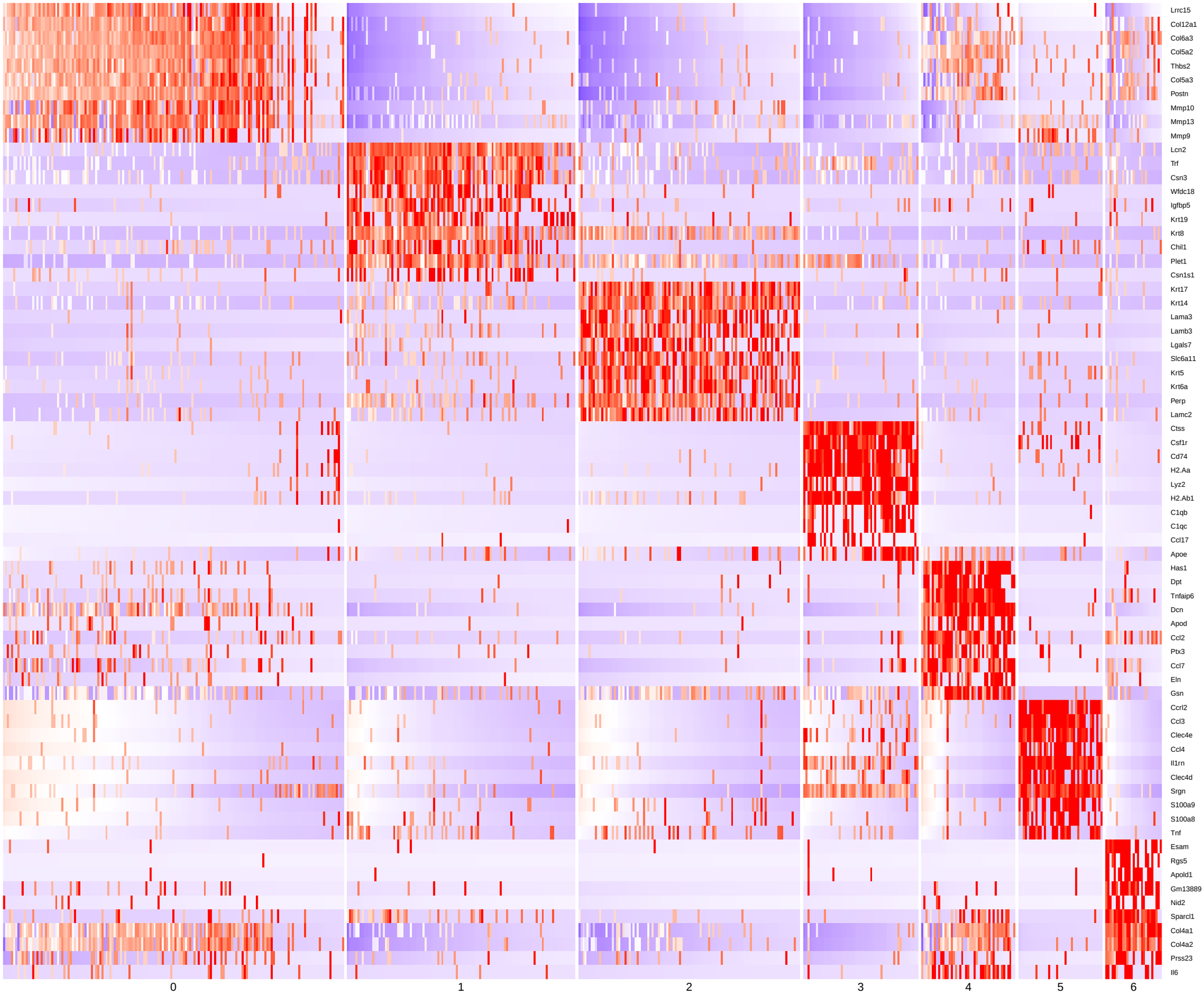


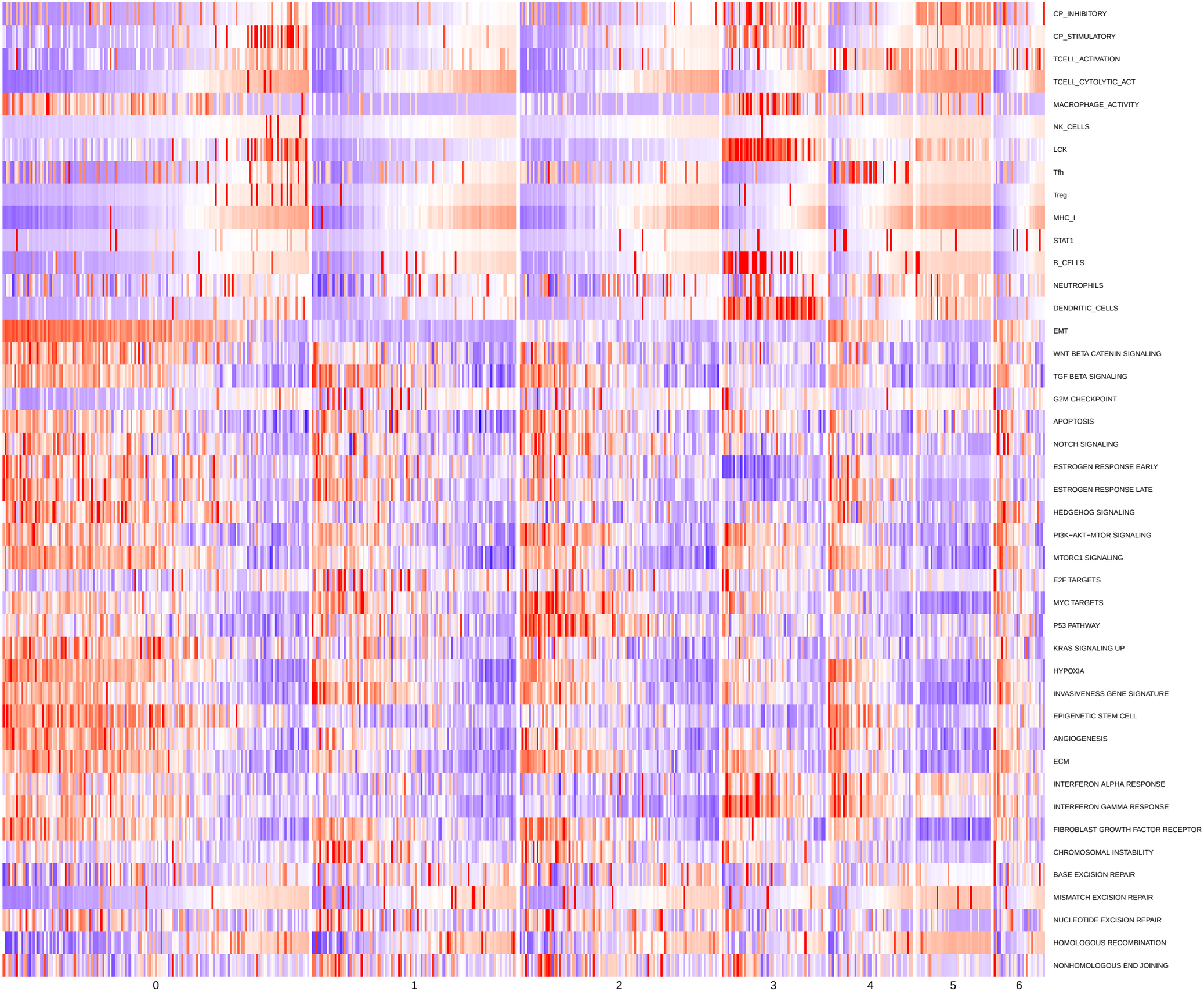

Krt5
tSNE_2
tSNE_1
20
10
0
−10
−20
−20
−10
0
10
20


Krt14
tSNE_2
tSNE_1
20
10
0
−10
−20
−20
−10
0
10
20

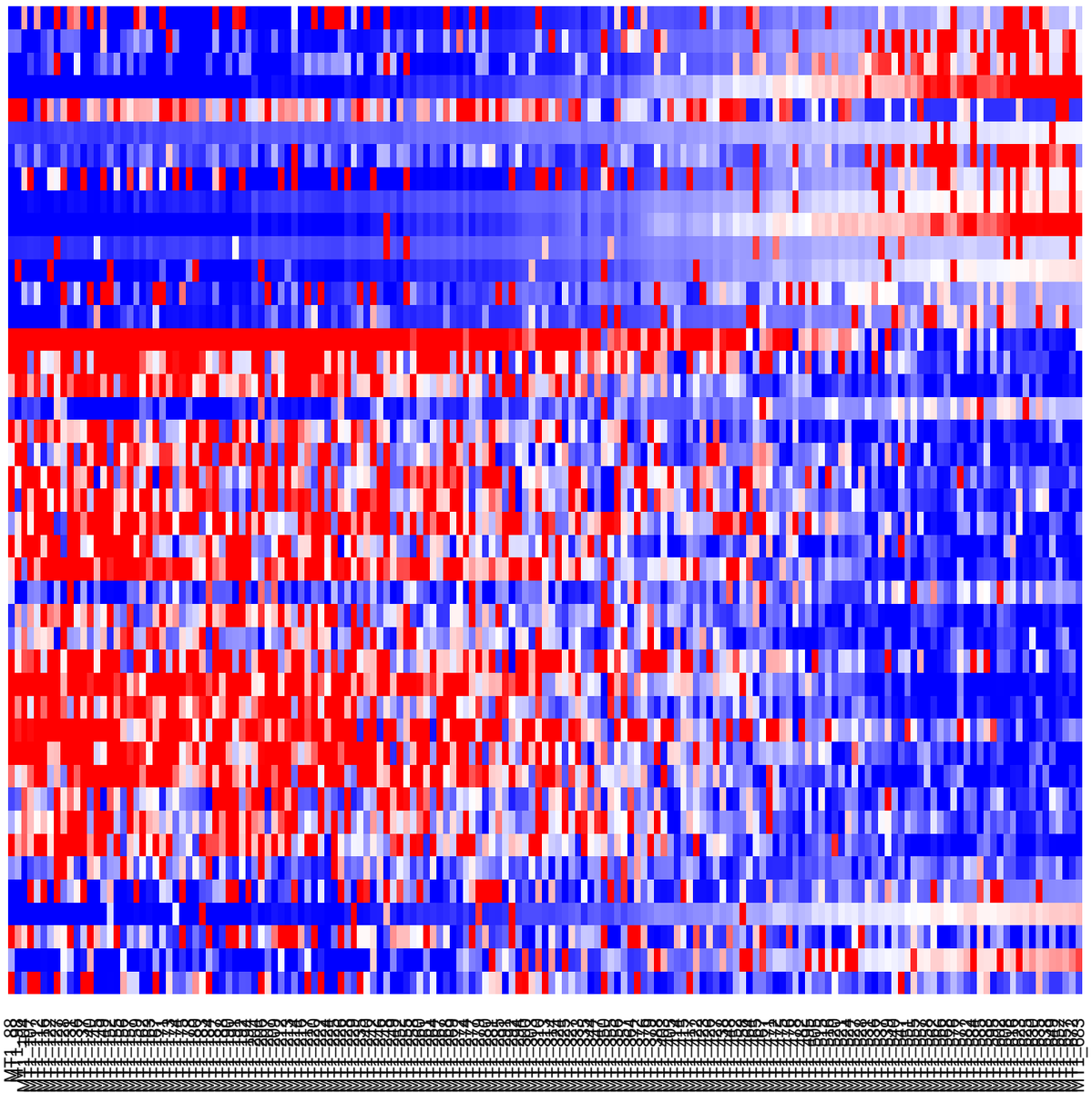

Krt6a
tSNE_2
tSNE_1
20
10
0
−10
−20
−20
−10
0
10
20


Krt8
Krt18
Krt19
tSNE_1
tSNE_2
20
10
0
−10
−20

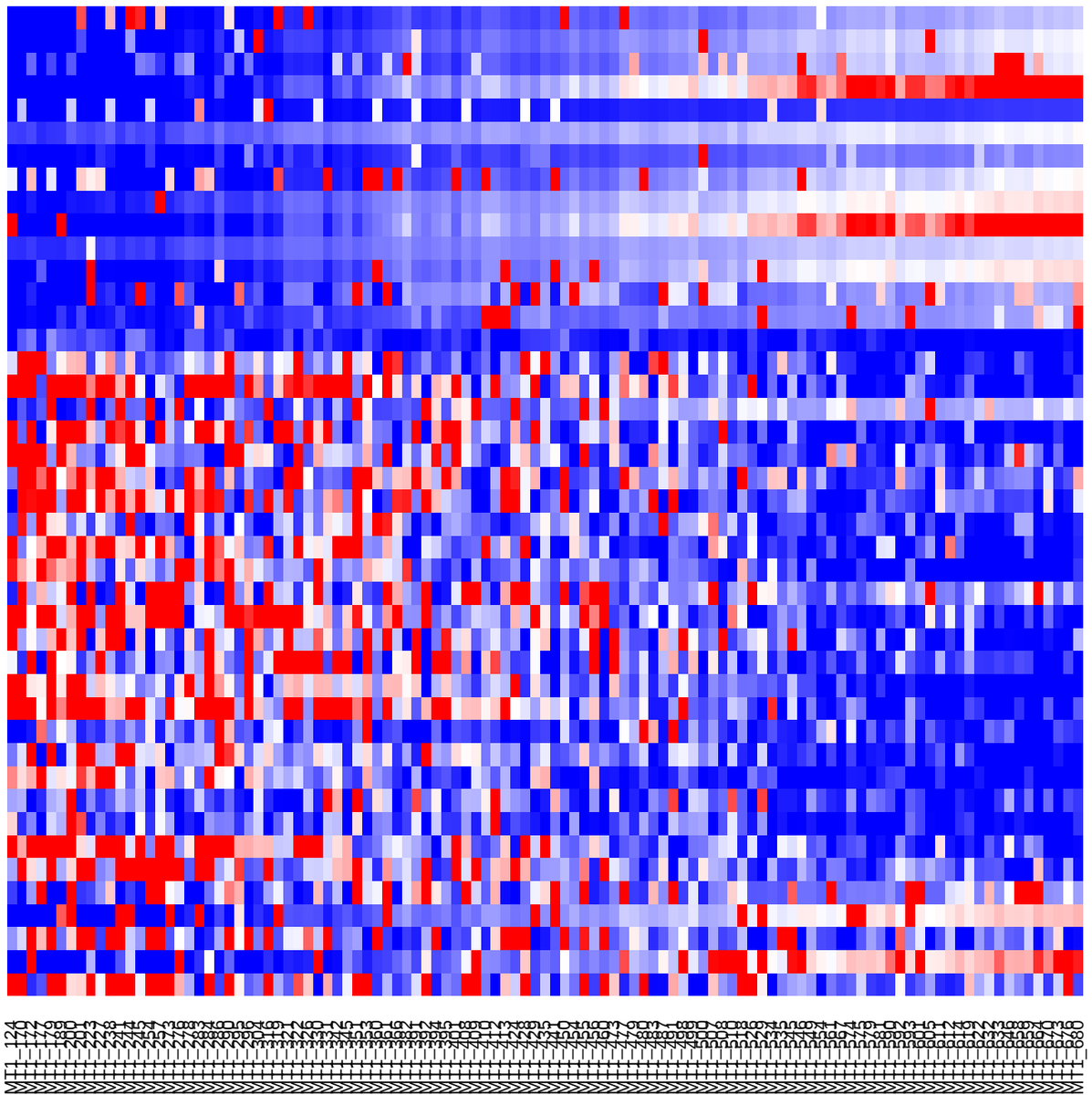

Lrrc15
Col12a1
Col6a3
Col5a2
Thbs2
Col5a3
Postn
Mmp10
Mmp13
Mmp9
Lcn2
Trf
Csn3
Wfdc18
Igfbp5
Krt19
Krt8
Chil1
Plet1
Csn1s1
Krt17
Krt14
Lama3
Lamb3
Lgals7
Slc6a11
Krt5
Krt6a
Perp
Lamc2
Ctss
Csf1r
Cd74
H2.Aa
Lyz2
H2.Ab1
C1qb
C1qc
Ccl17
Apoe
Has1
Dpt
Tnfaip6
Dcn
Apod
Ccl2
Ptx3
Ccl7
Eln
Gsn
Ccrl2
Ccl3
Clec4e
Ccl4
Il1rn
Clec4d
Srgn
S100a9
S100a8
Tnf
Esam
Rgs5
Apold1
Gm13889
Nid2
Sparcl1
Col4a1
Col4a2
Prss23
Il6
0
1
2
3
4
5
6


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
0
1
2
3
4
5
6

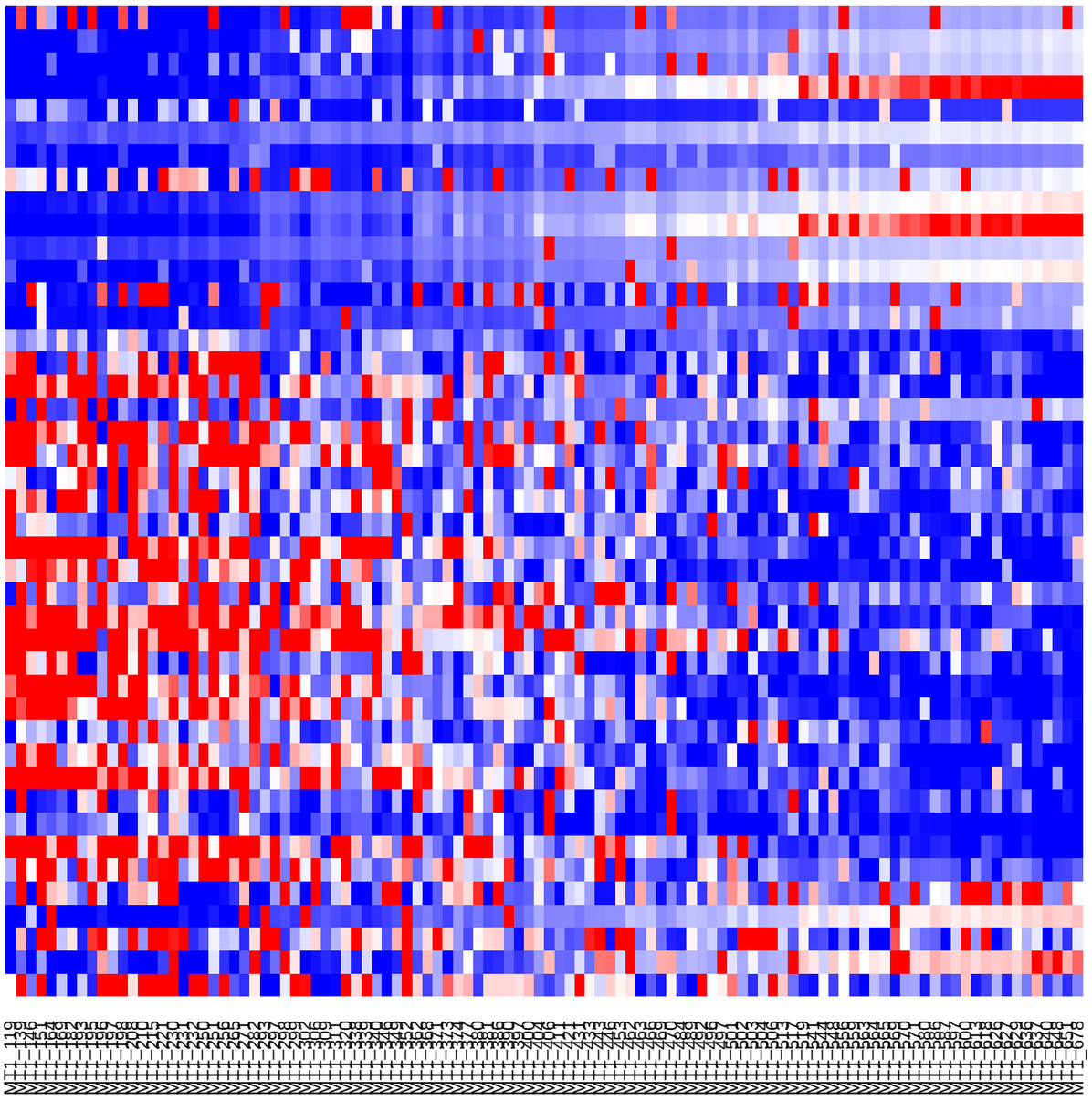
Gene−set enrichment within the cluster 0 (MT1)



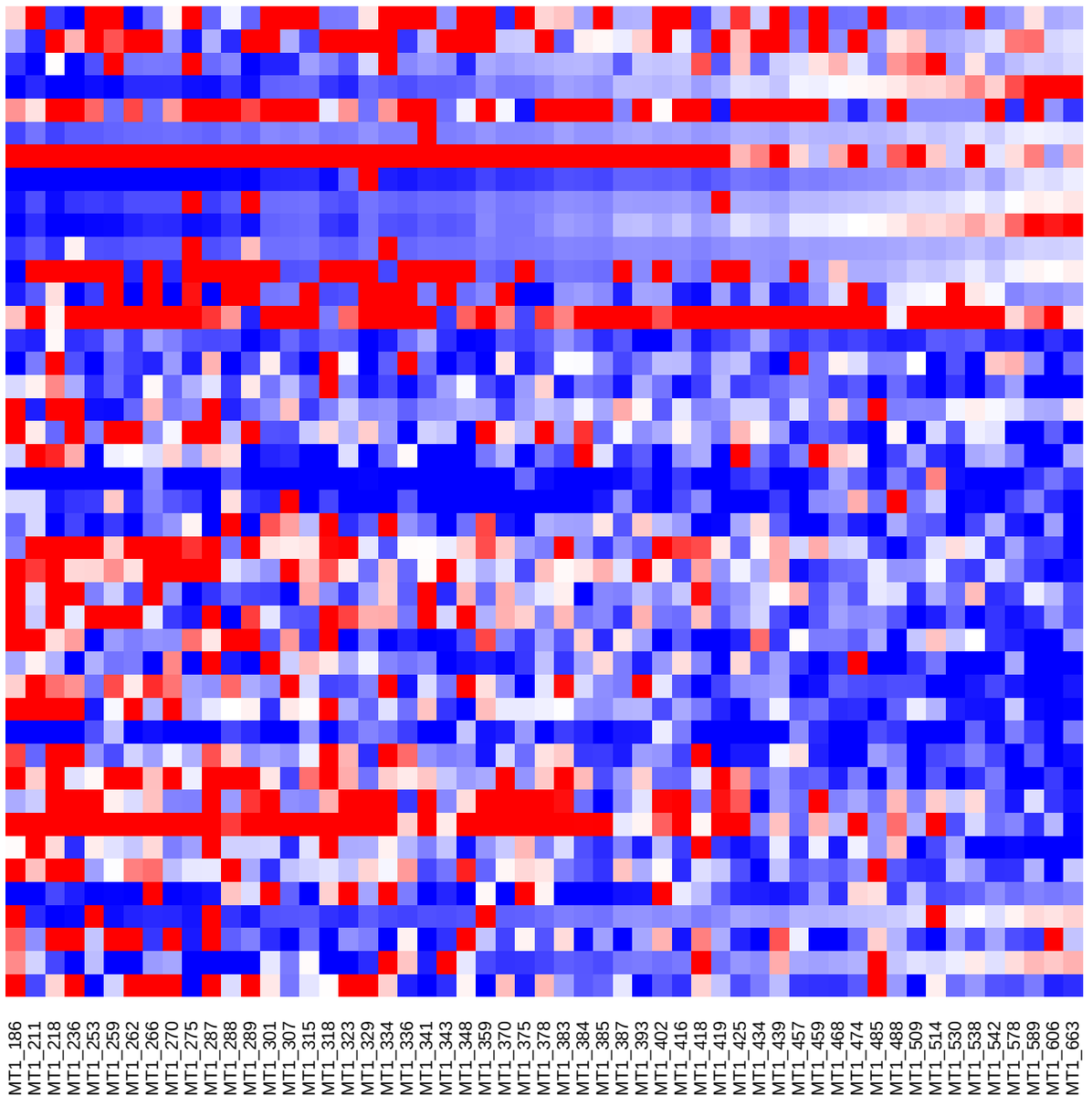
Gene−set enrichment within the cluster 1 (MT1)



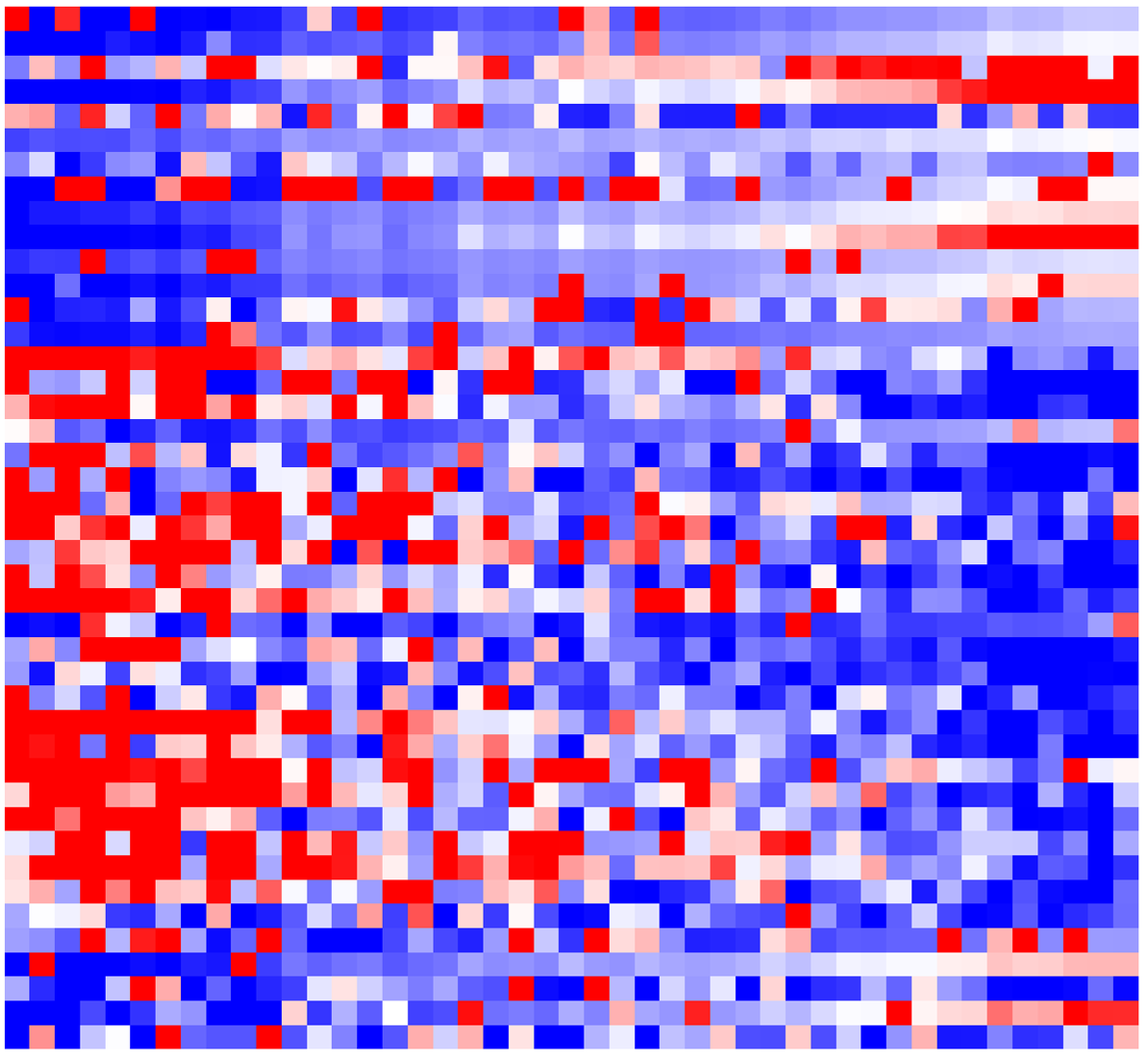
Gene−set enrichment within the cluster 2 (MT1)



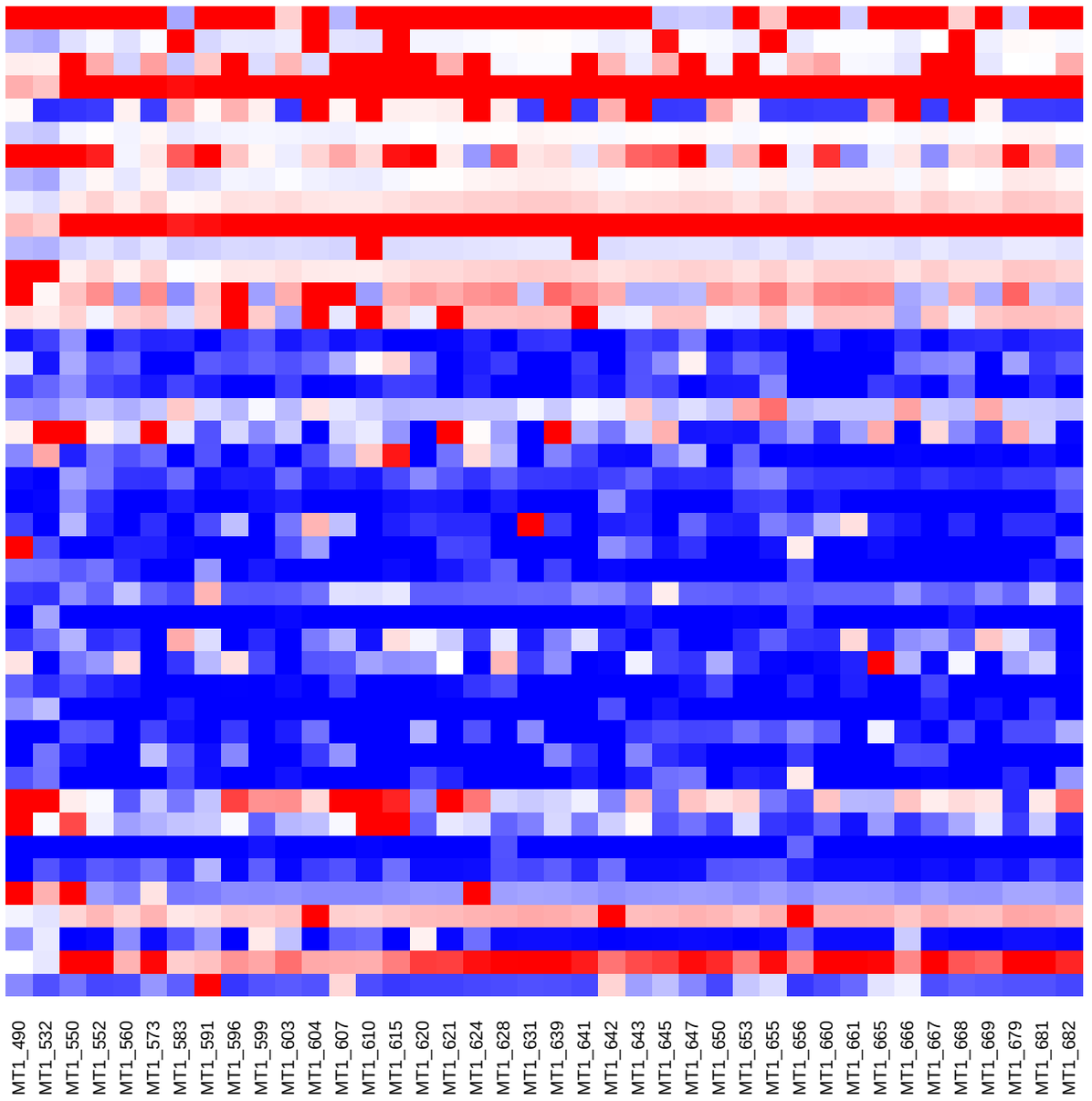
Gene−set enrichment within the cluster 3 (MT1)



Gene−set enrichment within the cluster 4 (MT1)



Gene−set enrichment within the cluster 5 (MT1)



Gene−set enrichment within the cluster 6 (MT1)