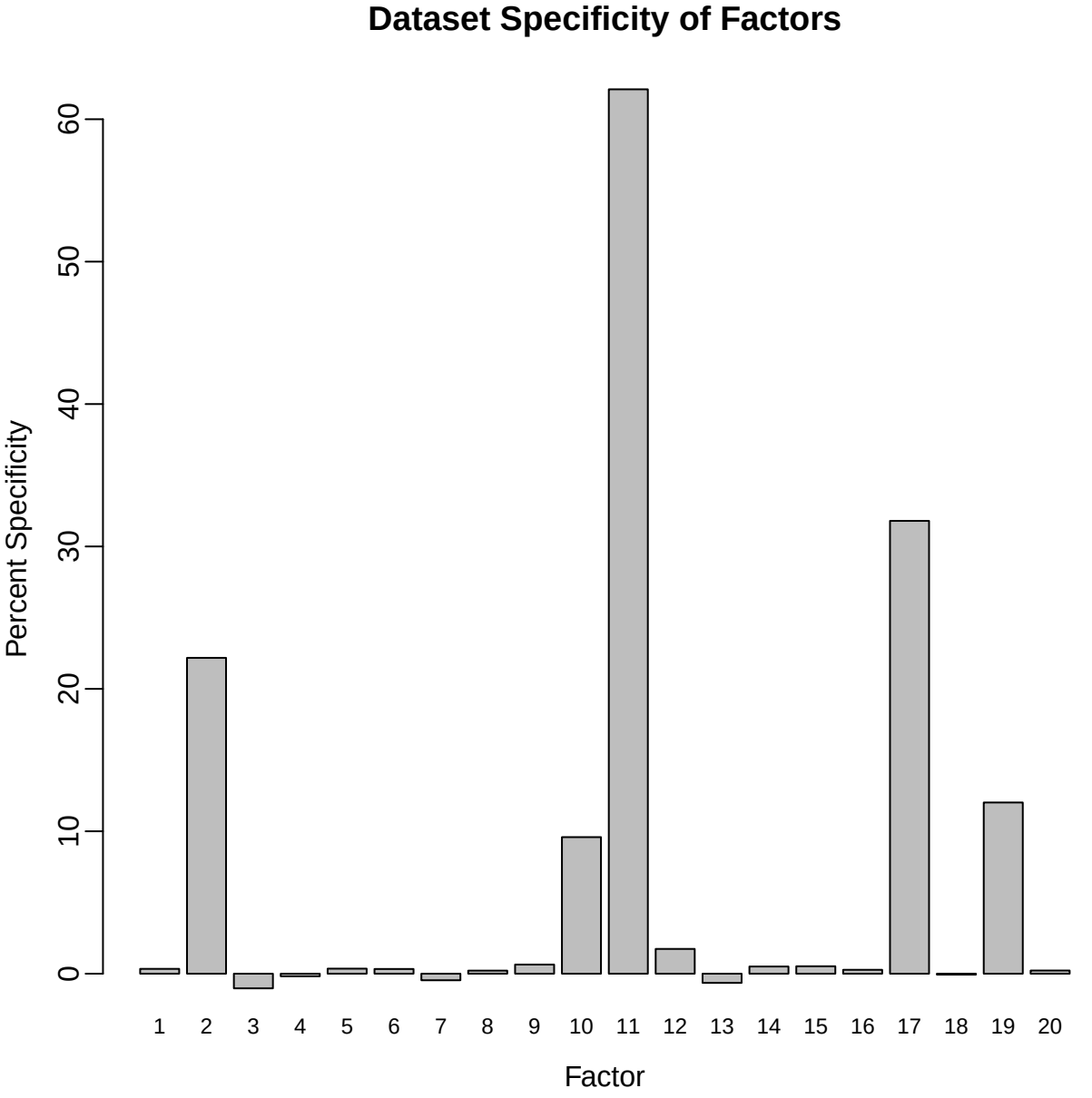
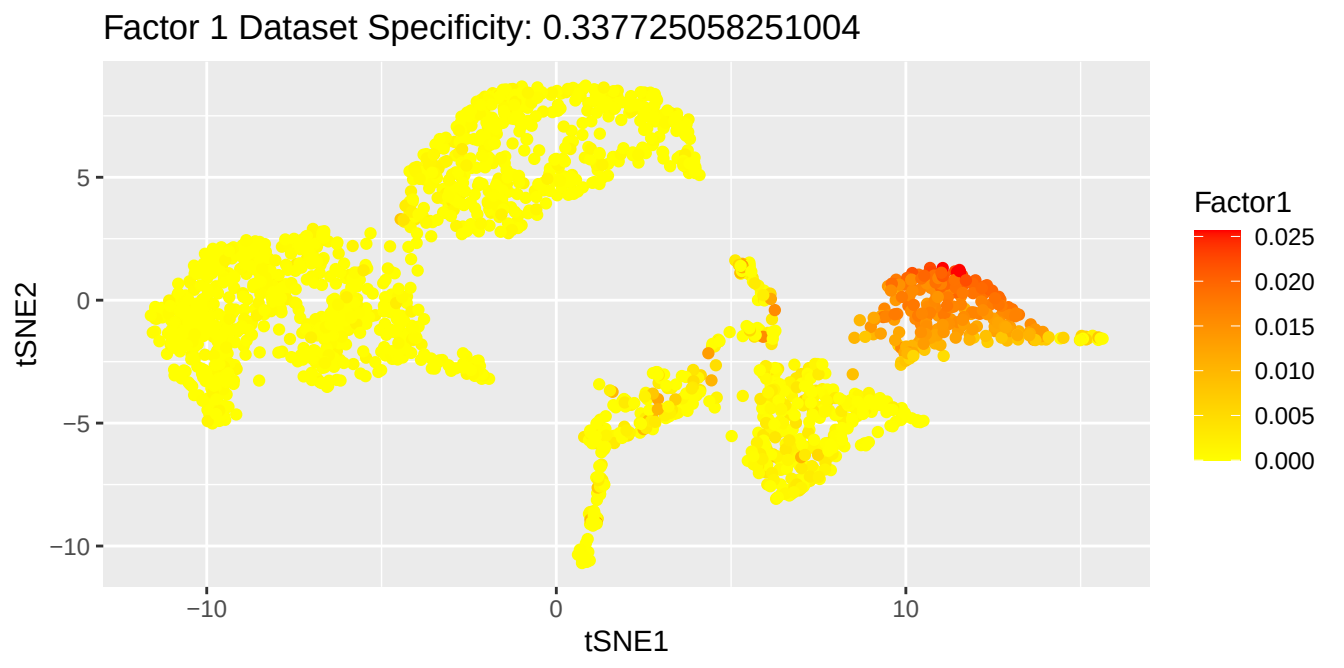
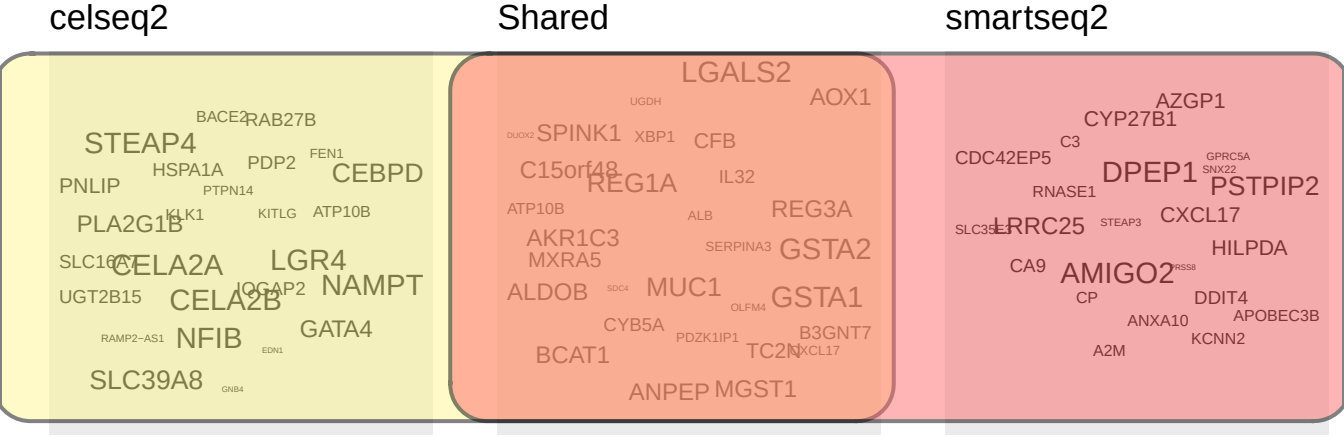
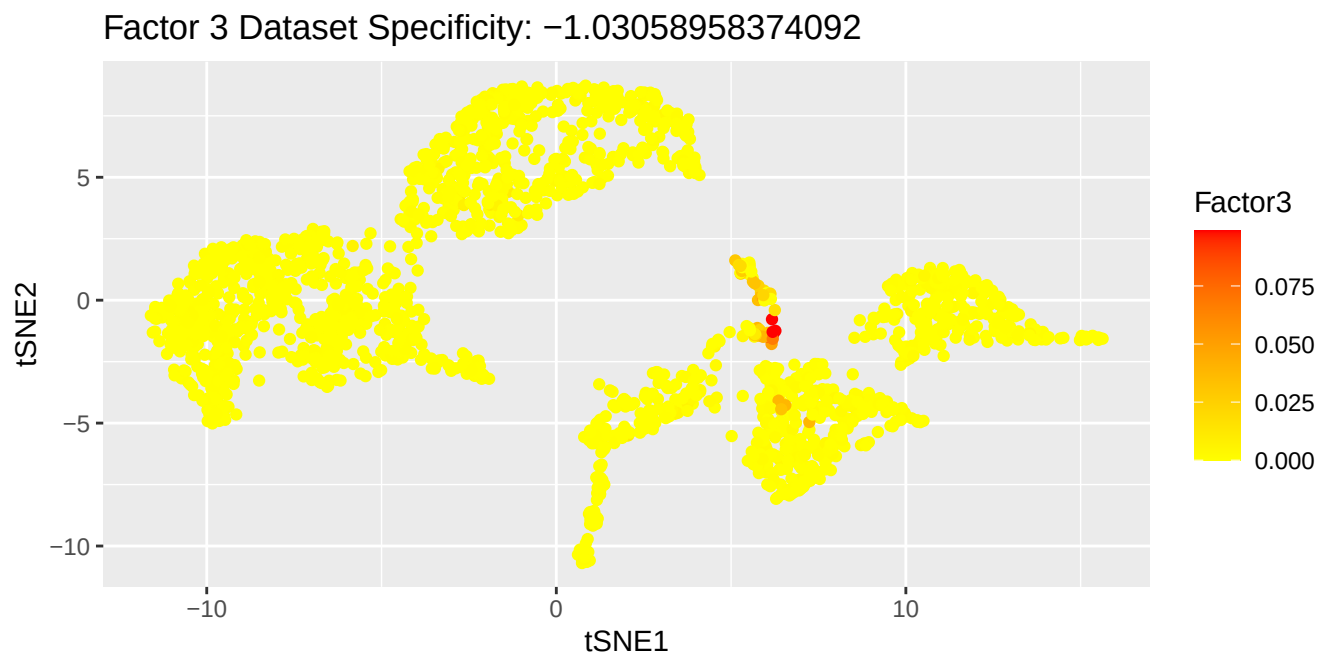
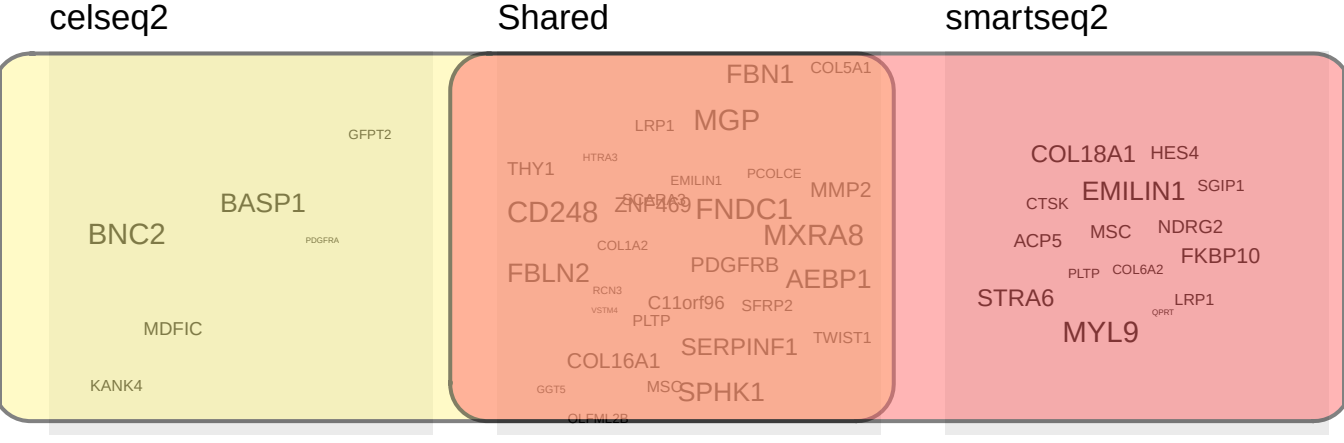
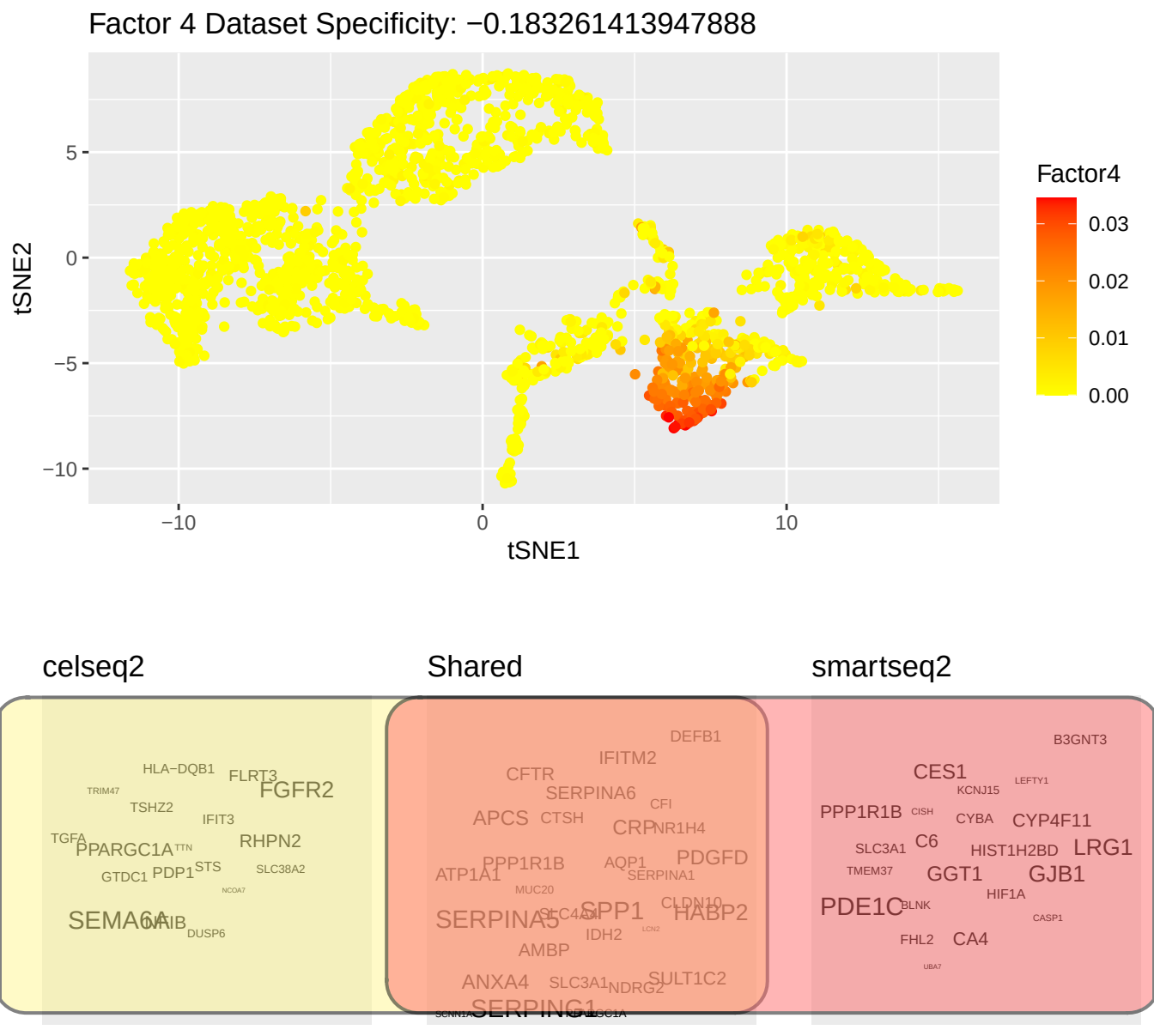

Dataset Specificity of Factors
Percent Specificity
0
10
20
30
40
50
60
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
Factor

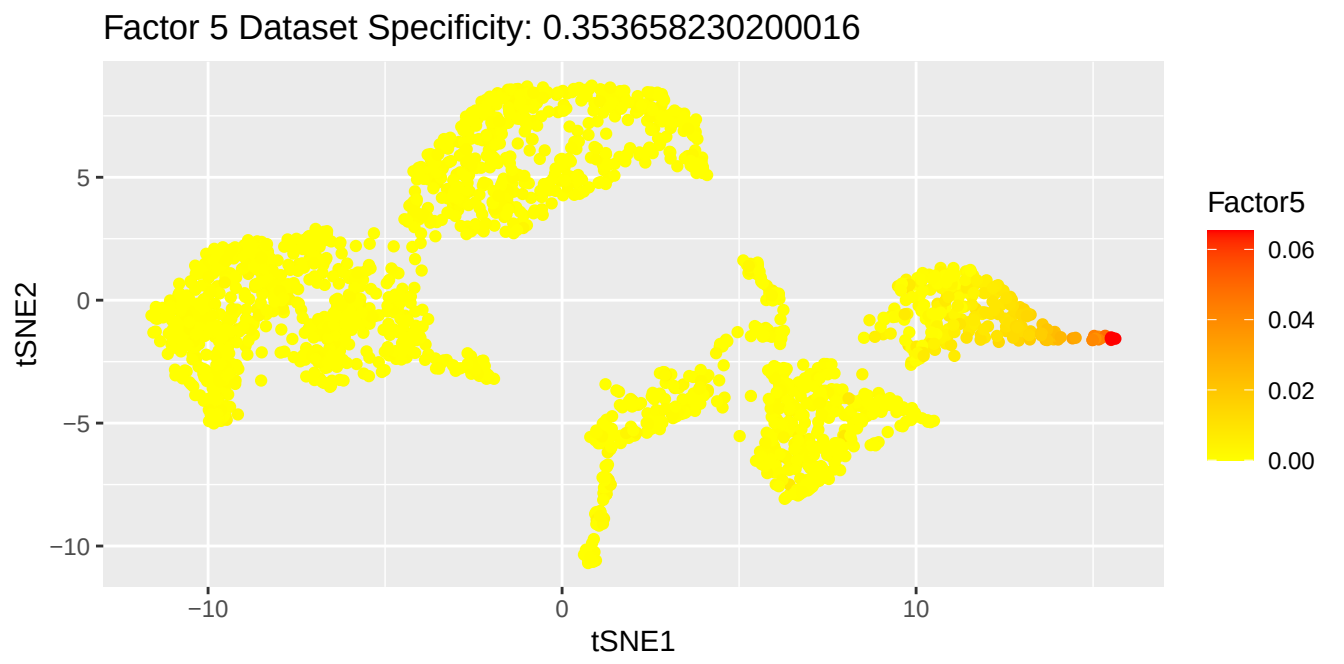

Factor 1 Dataset Specificity: 0.337725058251004
tSNE2
tSNE1
5
0
−5
−10
−10
0
10
Factor1
0.025
0.020
0.015
0.010
0.005
0.000

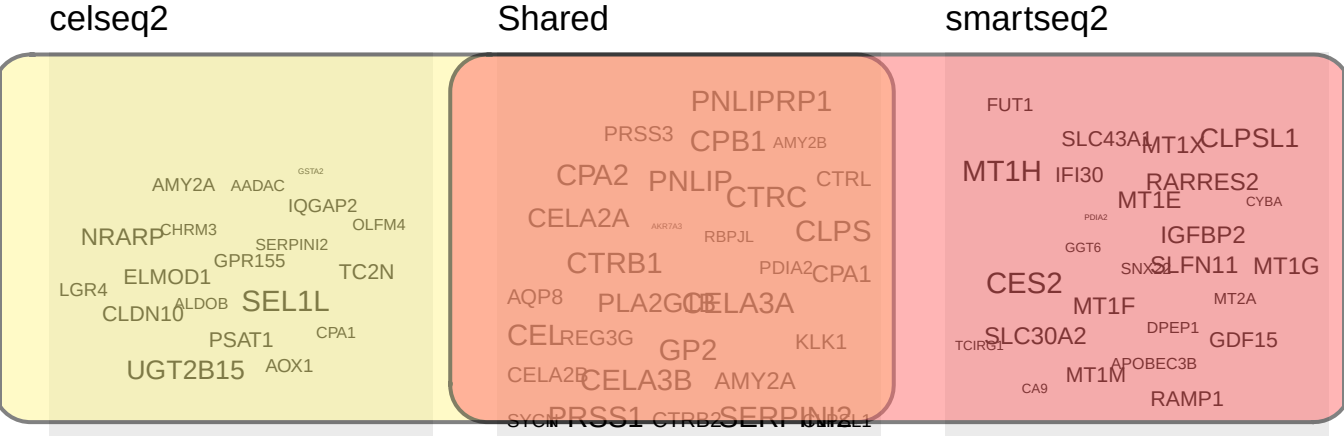

celseq2
Shared
smartseq2
BACE2
RAB27B
STEAP4
HSPA1A
PDP2
FEN1
CEBPD
PNLIP
PTPN14
KLK1
KITLG
ATP10B
PLA2G1B
CELA2A
LGR4
NAMPT
UGT2B15
CELA2B
IQGAP2
GATA4
NFIB
SLC39A8
LGALS2
AOX1
SPINK1
XBP1
CFB
C15orf48
REG1A
IL32
REG3A
AKR1C3
MXRA5
SERPINA3
GSTA2
ALDOB
MUC1
GSTA1
CYB5A
B3GNT7
BCAT1
TC2N
ANPEP
MGST1
AZGP1
CYP27B1
C3
CDC42EP5
DPEP1
PSTPIP2
RNASE1
LRRC25
CXCL17
HILPDA
CA9
AMIGO2
CP
DDIT4
ANXA10
APOBEC3B
KCNN2
A2M

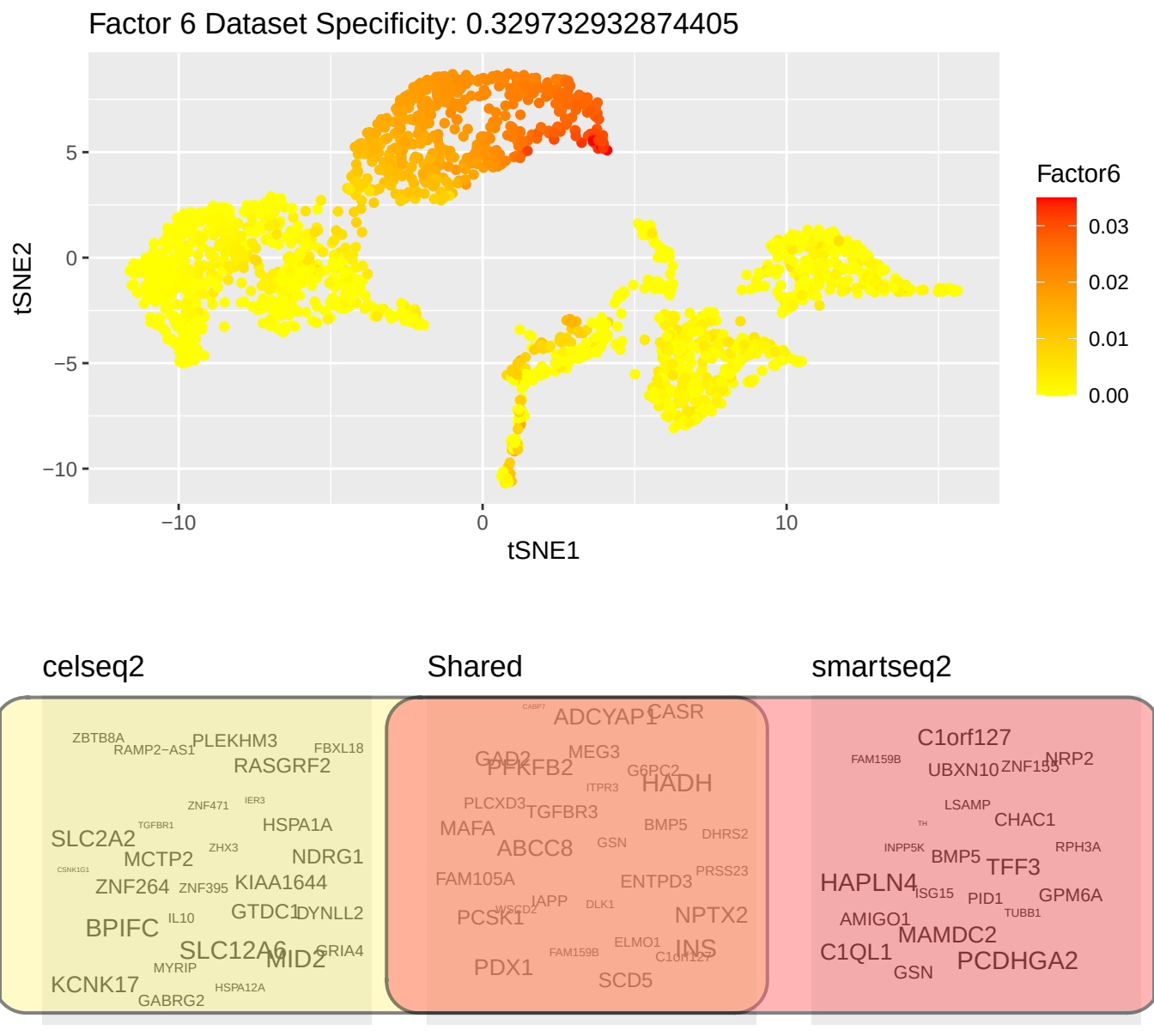

Factor 3 Dataset Specificity: −1.03058958374092
tSNE2
tSNE1
5
0
−5
−10
−10
0
10
Factor3
0.075
0.050
0.025
0.000

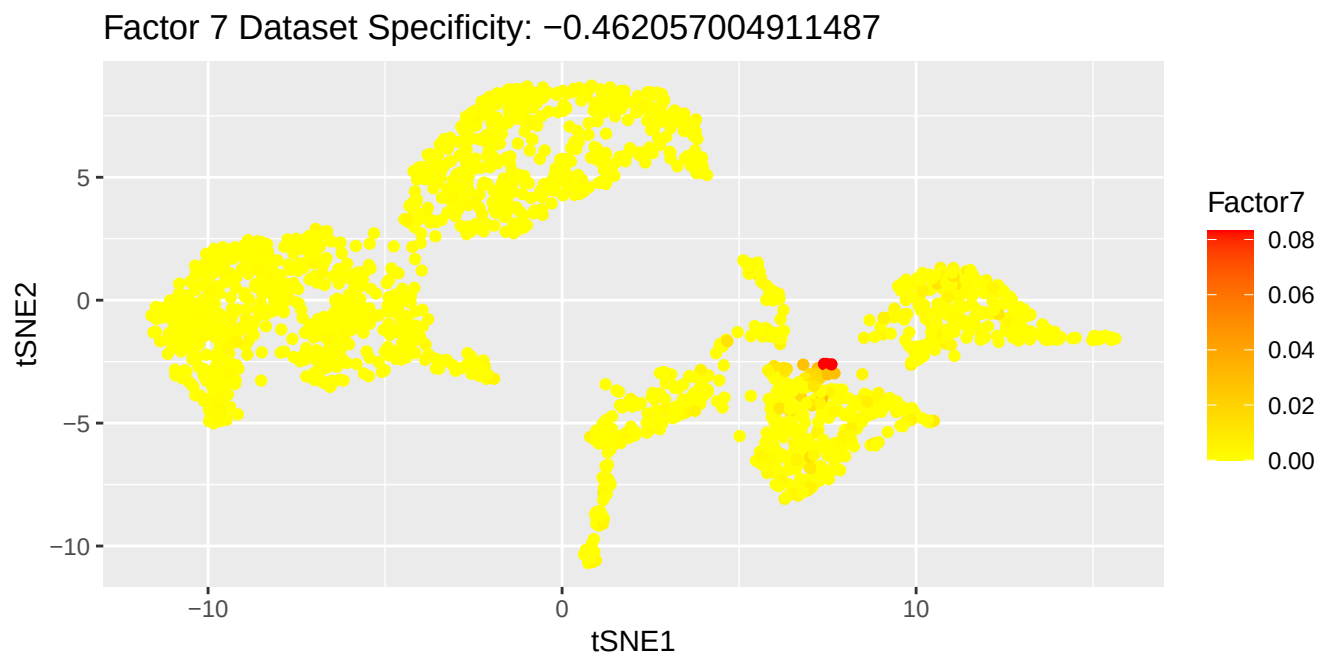

celseq2
Shared
smartseq2
GFPT2
BASP1
BNC2
PDGFRA
MDFIC
KANK4
FBN1
COL5A1
LRP1
MGP
THY1
HTRA3
EMILIN1
PCOLCE
MMP2
CD248
ZNF469
FNDC1
COL1A2
MXRA8
FBLN2
PDGFRB
AEBP1
RCN3
C11orf96
SFRP2
VSTM4
PLTP
TWIST1
COL16A1
SERPINF1
GGT5
MSC
SPHK1
COL18A1
HES4
EMILIN1
SGIP1
CTSK
ACP5
MSC
NDRG2
FKBP10
PLTP
COL6A2
STRA6
LRP1
MYL9

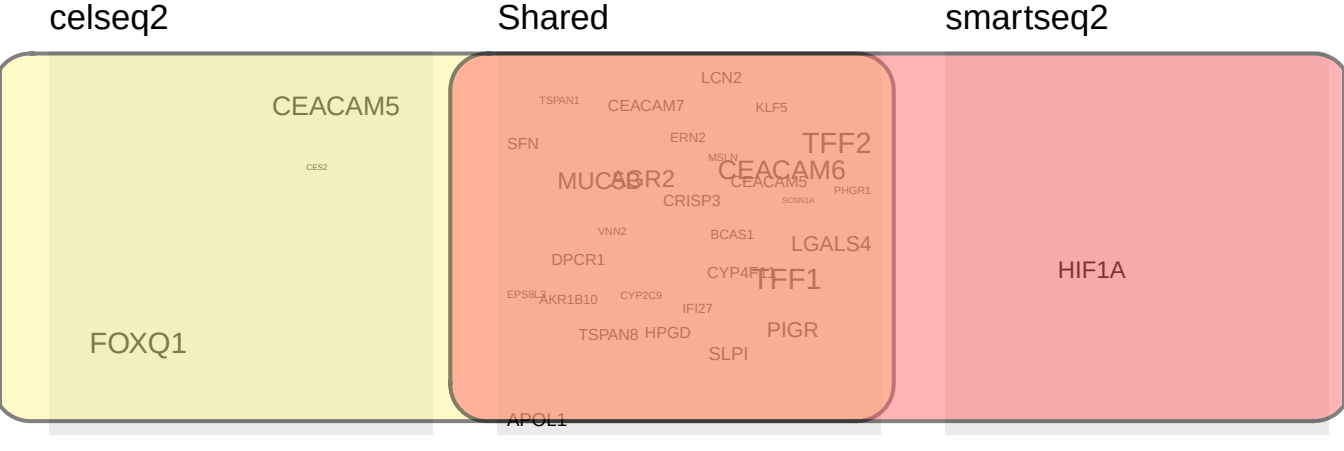

Factor 4 Dataset Specificity: −0.183261413947888
tSNE2
tSNE1
5
0
−5
−10
−10
0
10
Factor4
0.03
0.02
0.01
0.00
celseq2
Shared
smartseq2
HLA−DQB1
FLRT3
FGFR2
TRIM47
TSHZ2
IFIT3
TGFA
PPARGC1A
TTN
RHPN2
GTDC1
PDP1
STS
SLC38A2
NCOA7
SEMA6A
NRIB
DUSP6
DEFB1
IFITM2
CFTR
SERPINA6
CFI
APCS
CTSH
CRP
NR1H4
PPP1R1B
AQP1
PDGFD
ATP1A1
SERPINA1
MUC20
SERPINA5
SLC4A4
SPP1
CLDN10
FABP2
LCN2
IDH2
AMBP
ANXA4
SLC3A1
NDRG2
SULT1C2
SERPING1
SCNN1A
B3GNT3
CES1
LEFTY1
KCNJ15
PPP1R1B
CISH
CYBA
CYP4F11
SLC3A1
C6
HIST1H2BD
LRG1
TMEM37
GGT1
GJB1
HIF1A
PDE1C
BLNK
CASP1
FHL2
CA4
UBA7

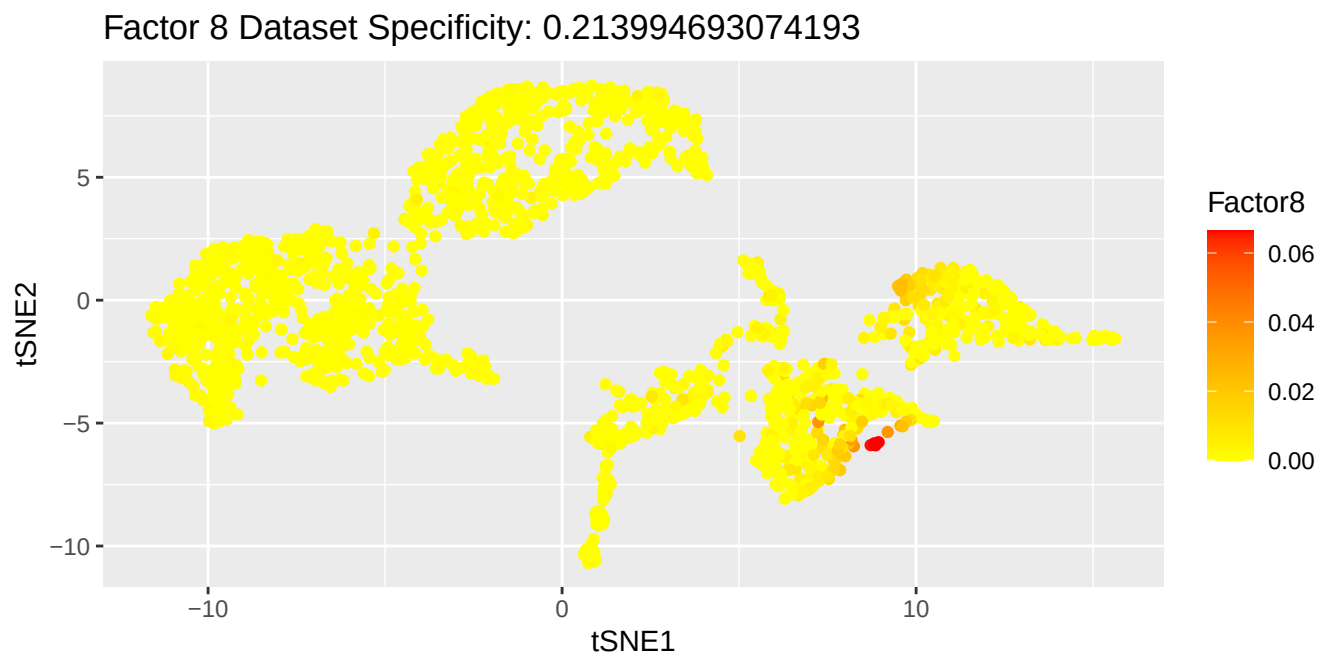

Factor 5 Dataset Specificity: 0.353658230200016
tSNE2
tSNE1
5
0
−5
−10
−10
0
10
Factor5
0.06
0.04
0.02
0.00

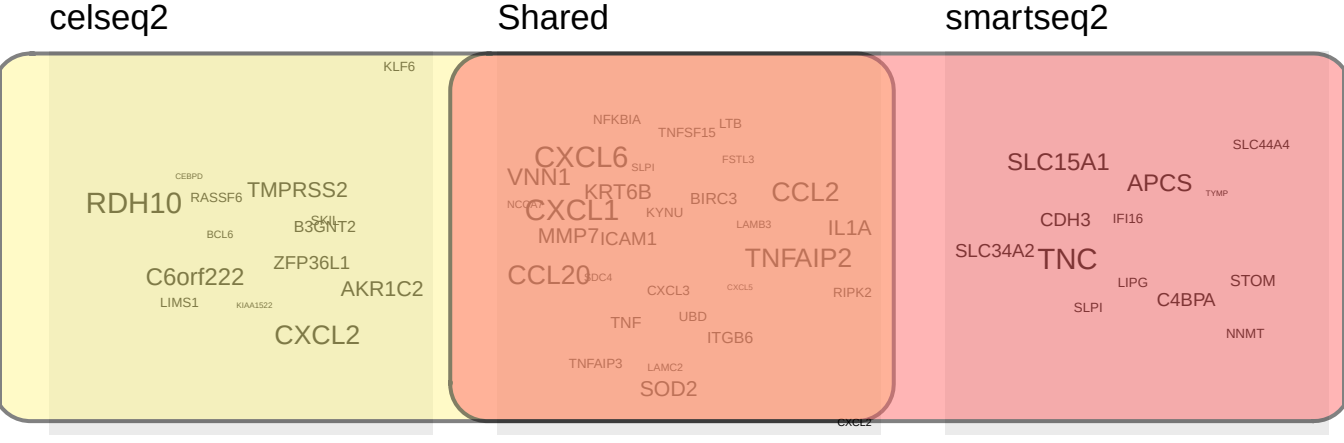

celseq2
Shared
smartseq2
AMY2A
AADAC
GSTA2
IQGAP2
NRARP
CHRM3
OLFM4
SERPINI2
GPR155
TC2N
ELMOD1
LGR4
SEL1L
ALDOB
CLDN10
PSAT1
CPA1
UGT2B15
AOX1
PNLIPRP1
PRSS3
CPB1
AMY2B
CPA2
PNLIP
CTRC
CTRL
CELA2A
AKR7A3
RBPJL
CLPS
CTRB1
PDIA2
CPA1
AQP8
PLA2G1B
CELA3A
CEL
REG3G
GP2
KLK1
CELA2B
CELA3B
AMY2A
PRSS1
CTRB2
SERPINI2
FUT1
SLC43A1
MT1X
CLPSL1
MT1H
IFI30
RARRES2
MT1E
CYBA
PDIA2
IGFBP2
GGT6
SNX22
SLFN11
MT1G
CES2
MT1F
MT2A
DPEP1
TCIRG1
SLC30A2
GDF15
APOBEC3B
MT1M
CA9
RAMP1

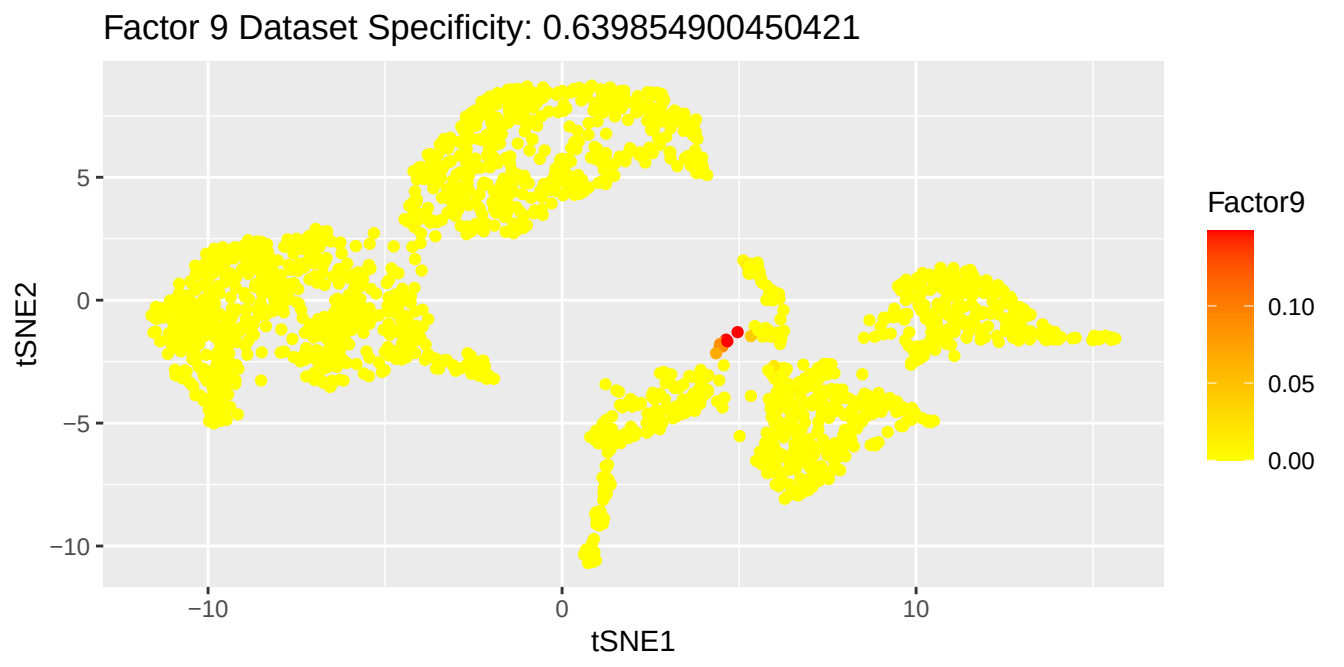

Factor 6 Dataset Specificity: 0.329732932874405
tSNE2
tSNE1
5
0
−5
−10
−10
0
10
Factor6
0.03
0.02
0.01
0.00
celseq2
Shared
smartseq2
ZBTB8A
RAMP2−AS1
PLEKHM3
FBXL18
RASGRF2
ZNF471
IER3
TGFBR1
HSPA1A
SLC2A2
ZHX3
MCTP2
NDRG1
CSNK1G1
ZNF264
ZNF395
KIAA1644
GTDC1
DYNLL2
IL10
BPIFC
SLC12A6
GRIA4
MID2
MYRIP
KCNK17
HSPA12A
GABRG2
CABP7
ADCYAP1
CASR
GAD2
MEG3
PFKFB2
G6PC2
ITPR3
HADH
PLCXD3
TGFBR3
MAFA
BMP5
DHRS2
ABCC8
GSN
FAM105A
PRSS23
ENTPD3
IAPP
DLK1
WSCD2
PCSK1
NPTX2
ELMO1
INS
FAM159B
C10orf127
PDX1
SCD5
C1orf127
FAM159B
UBXN10
ZNF155
NRP2
LSAMP
TH
CHAC1
INPP5K
BMP5
RPH3A
TFF3
HAPLN4
ISG15
PID1
GPM6A
TUBB1
AMIGO1
MAMDC2
C1QL1
PCDHGA2
GSN

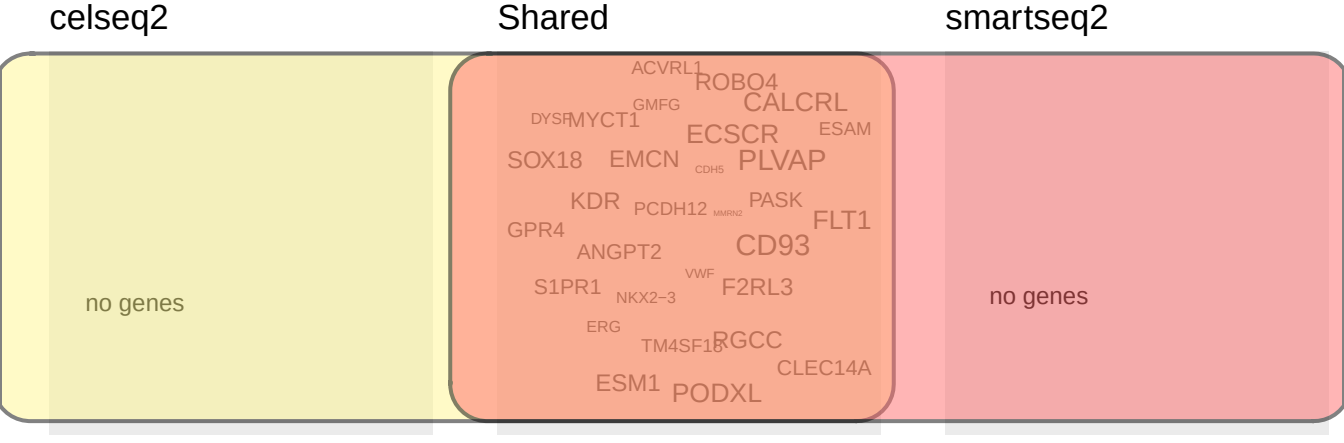

Factor 7 Dataset Specificity: −0.462057004911487
tSNE2
tSNE1
5
0
−5
−10
−10
0
10
Factor7
0.08
0.06
0.04
0.02
0.00

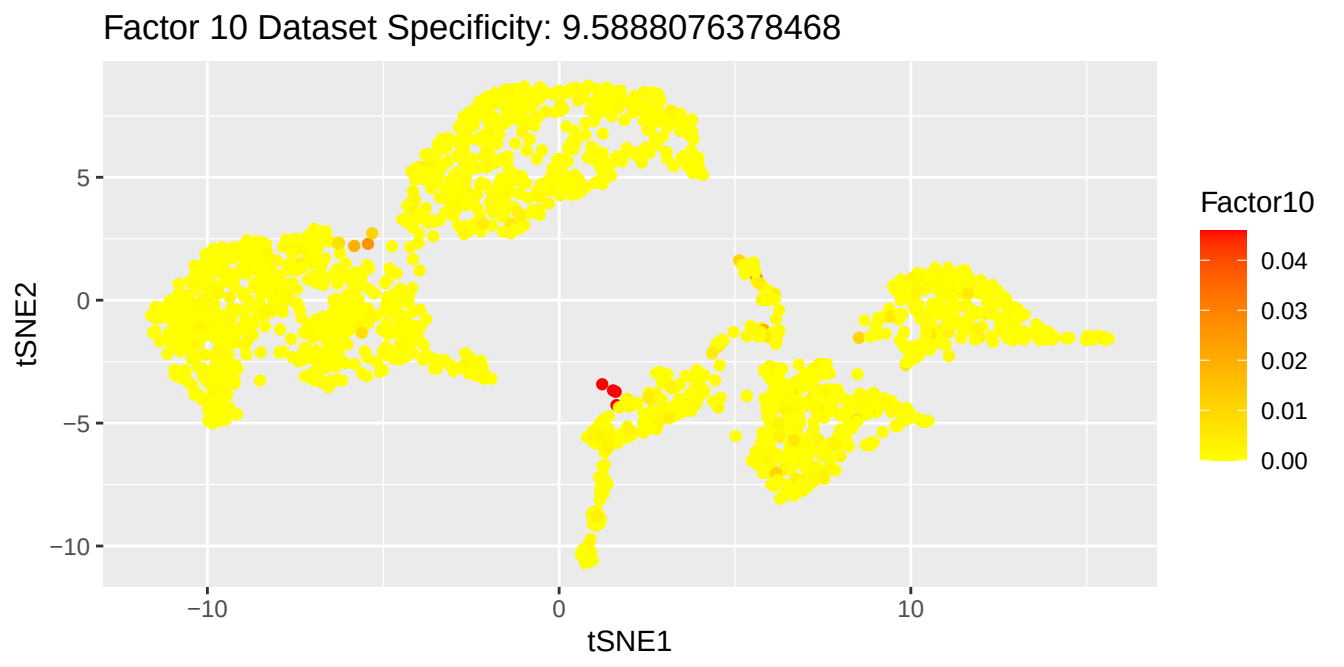

celseq2
Shared
smartseq2
CEACAM5
CES2
FOXQ1
LCN2
TSPAN1
CEACAM7
KLF5
SFN
ERN2
TFF2
MSLN
MUC5B
AGR2
CEACAM6
CEACAM5
PHGR1
CRISP3
SCNN1A
VNN2
BCAS1
LGALS4
DPCR1
CYP4F11
TFF1
EPS8L3
AKR1B10
CYP2C9
IFI27
TSPAN8
HPGD
PIGR
SLPI
APOL1
HIF1A

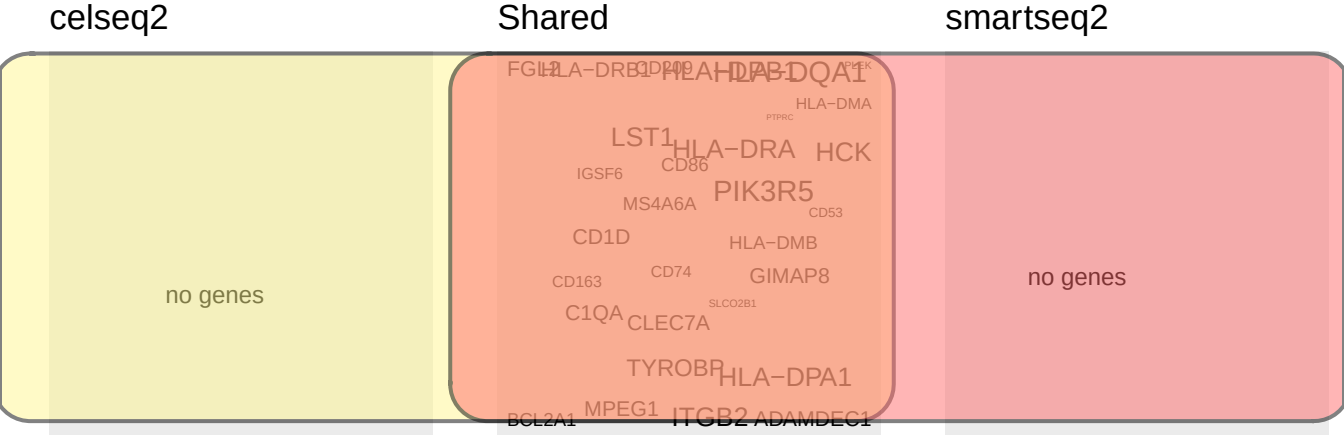

Factor 8 Dataset Specificity: 0.213994693074193
tSNE2
tSNE1
5
0
−5
−10
−10
0
10
Factor8
0.06
0.04
0.02
0.00

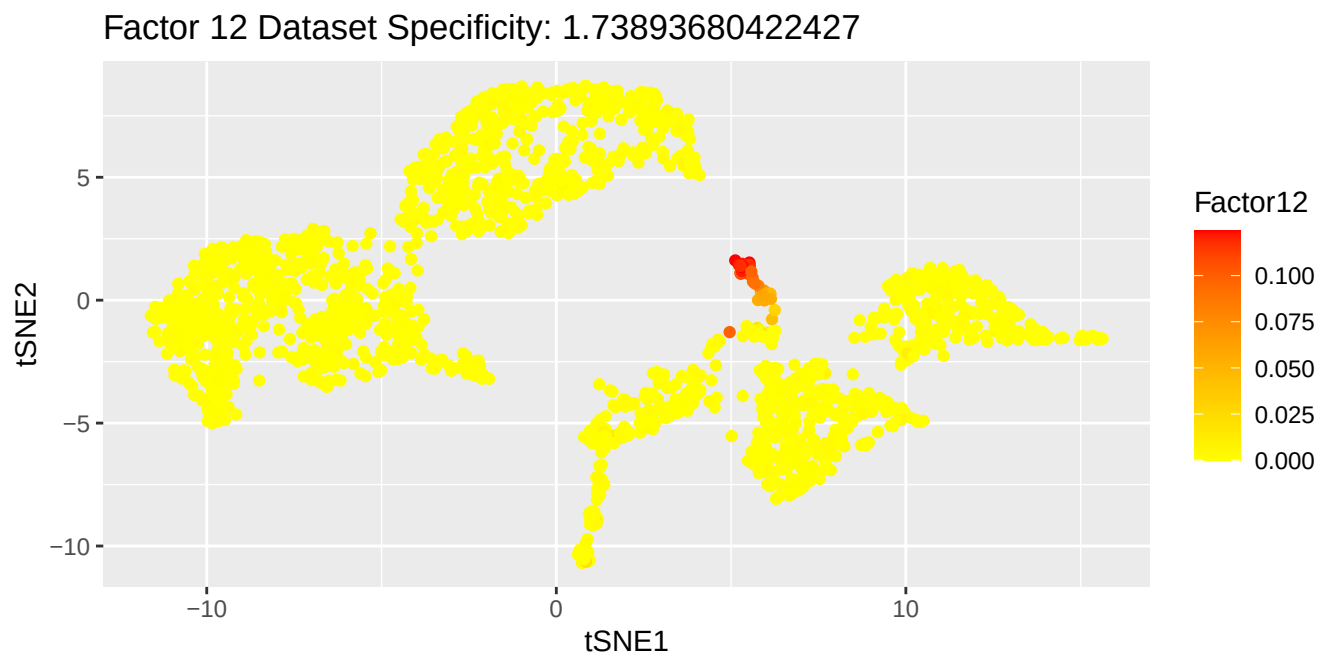

celseq2
Shared
smartseq2
KLF6
CEBPD
RDH10
RASSF6
TMPRSS2
SKIL
BCL6
B3GNT2
ZFP36L1
C6orf222
AKR1C2
LIMS1
KIAA1522
CXCL2
NFKBIA
TNFSF15
LTB
CXCL6
SLPI
FSTL3
VNN1
KRT6B
BIRC3
CCL2
NCOA7
CXCL1
KYNU
LAMB3
IL1A
MMP7
ICAM1
TNFAIP2
CCL20
CDC4
CXCL3
CXCL5
RIPK2
TNF
UBD
ITGB6
TNFAIP3
LAMC2
SOD2
CXCL2
SLC44A4
SLC15A1
APCS
TYMP
CDH3
IFI16
SLC34A2
TNC
LIPG
STOM
SLPI
C4BPA
NNMT

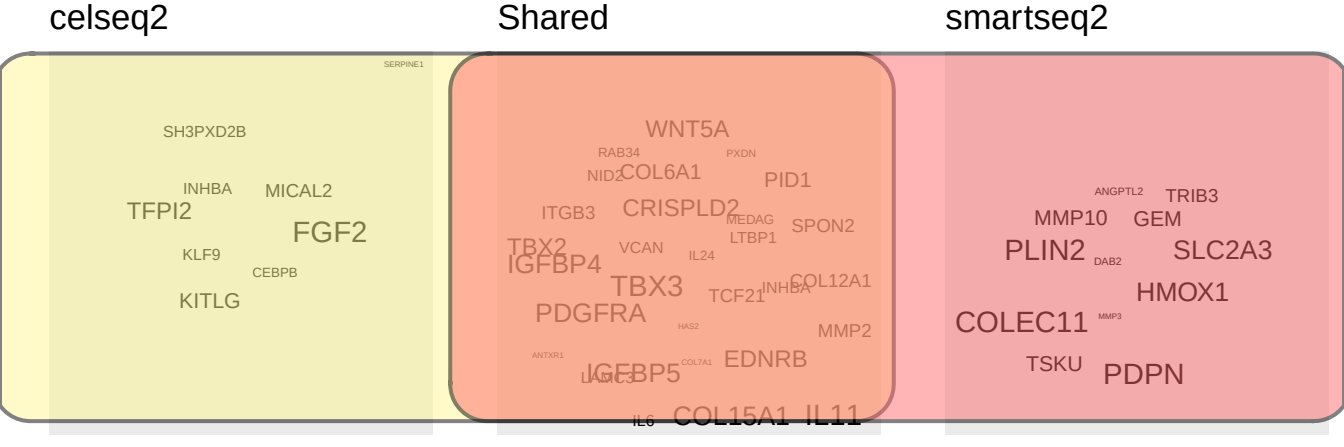

Factor 9 Dataset Specificity: 0.639854900450421
tSNE2
tSNE1
5
0
−5
−10
−10
0
10
Factor9
0.10
0.05
0.00

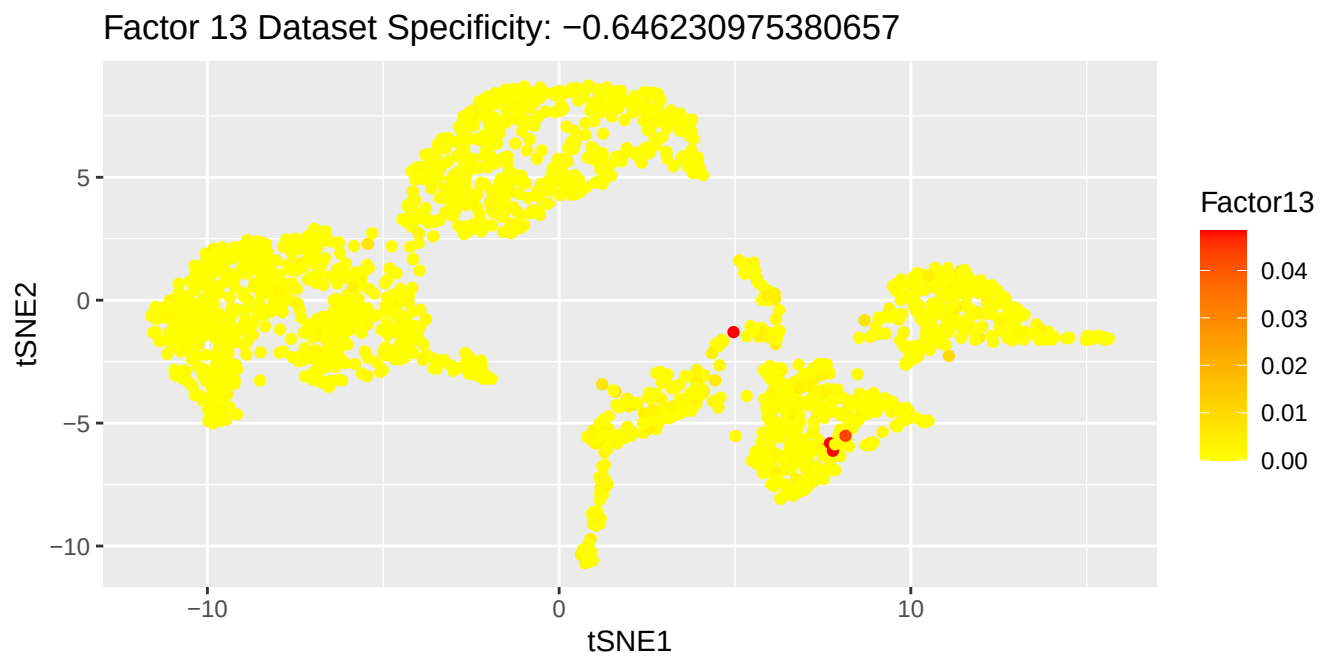

celseq2
Shared
smartseq2
no genes
no genes
ACVRL1
ROBO4
GMFG
CALCRL
DYSF
MYCT1
ESAM
ECSCR
SOX18
EMCN
CDH5
PLVAP
KDR
PCDH12
MMRN2
PASK
FLT1
GPR4
ANGPT2
CD93
VWF
S1PR1
NKX2−3
F2RL3
ERG
TM4SF18
RGCC
CLEC14A
ESM1
PODXL

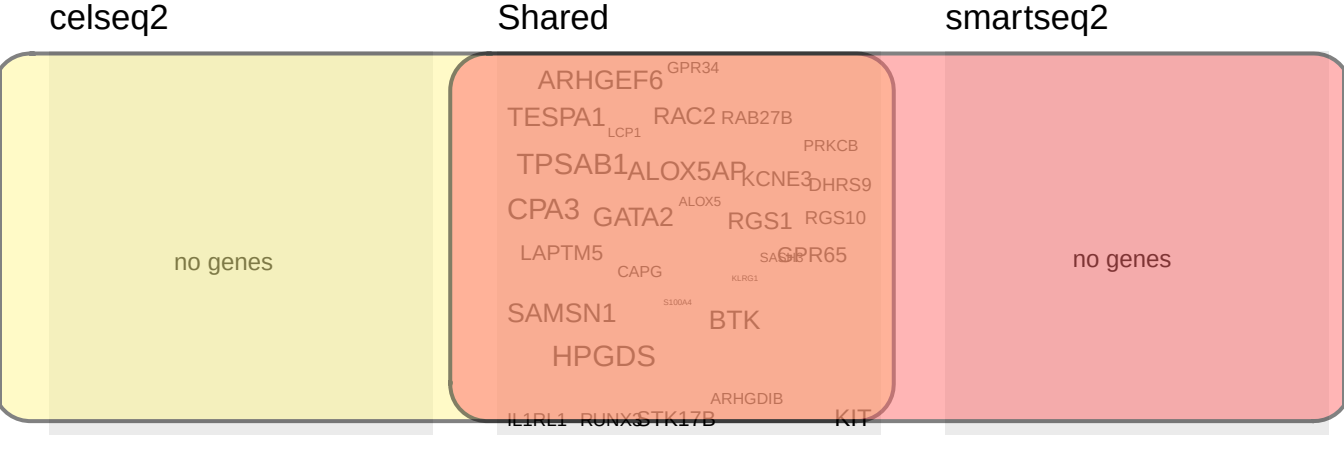

Factor 10 Dataset Specificity: 9.5888076378468
tSNE2
tSNE1
5
0
−5
−10
−10
0
10
Factor10
0.04
0.03
0.02
0.01
0.00

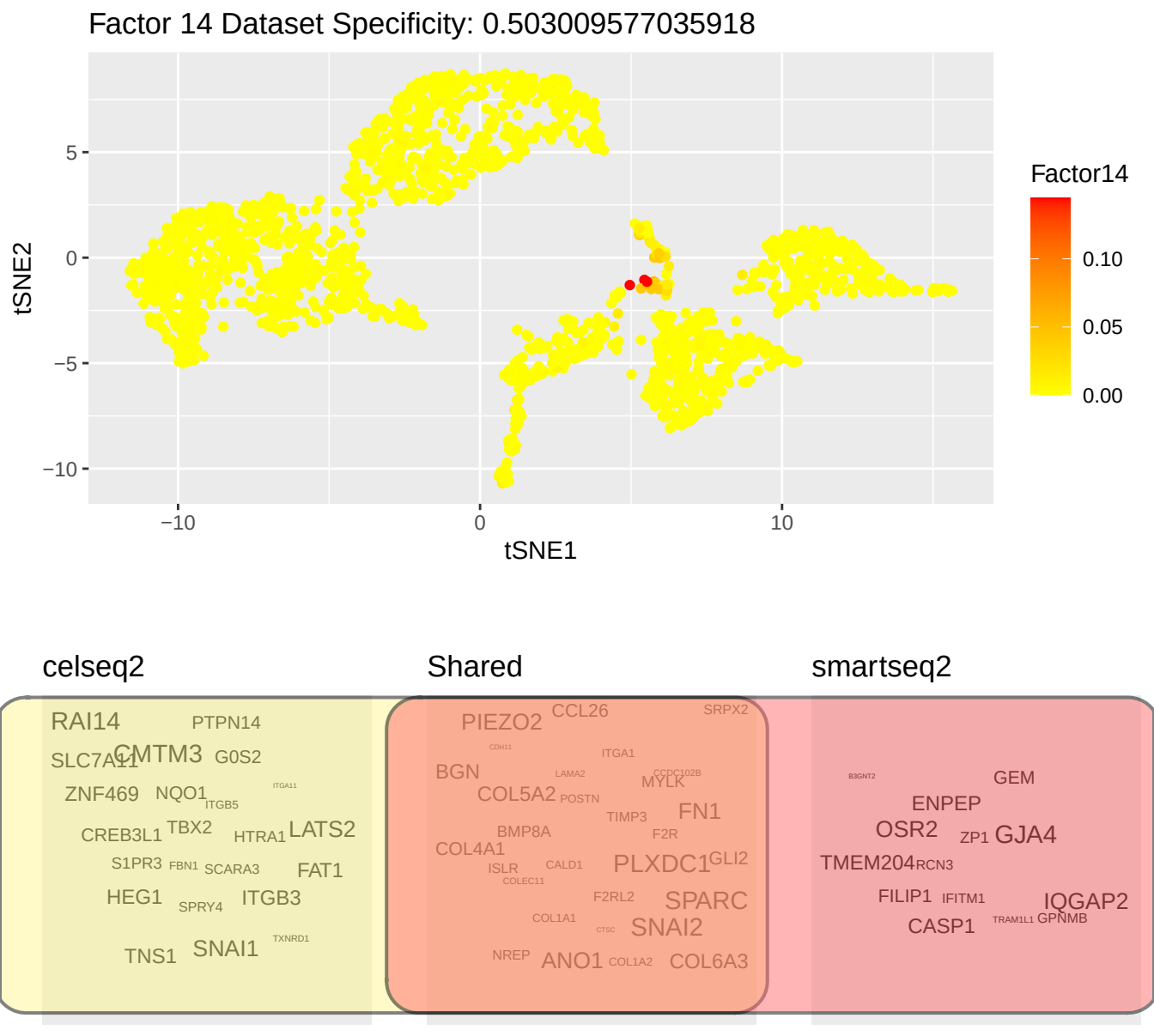

celseq2
Shared
smartseq2
no genes
no genes
HLA−DQA1
HLA−DMA
LST1
HLA−DRA
HCK
CD86
IGSF6
PIK3R5
MS4A6A
CD53
CD1D
HLA−DMB
CD74
GIMAP8
CD163
C1QA
CLEC7A
TYROBP
HLA−DPA1
MPEG1
ITGB2
ADAMDEC1

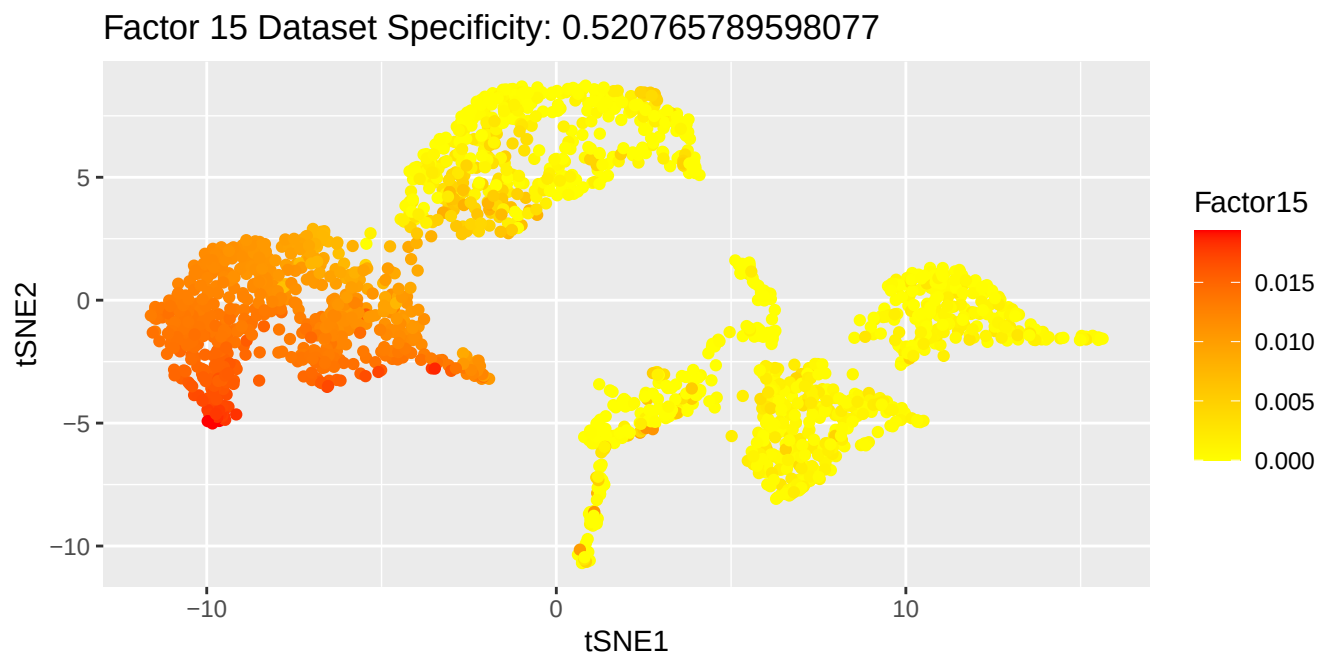

Factor 12 Dataset Specificity: 1.73893680422427
tSNE2
tSNE1
5
0
−5
−10
−10
0
10
Factor12
0.100
0.075
0.050
0.025
0.000

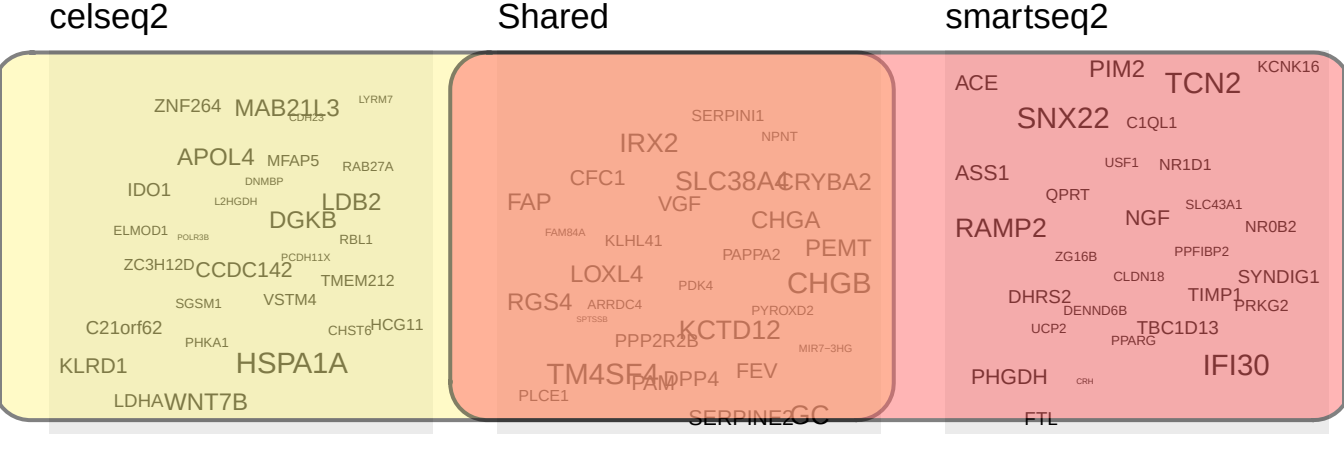

celseq2
Shared
smartseq2
SERPINE1
SH3PXD2B
INHBA
MICAL2
TFPI2
FGF2
KLF9
CEBPB
KITLG
WNT5A
RAB34
PXDN
NID2
COL6A1
PID1
ITGB3
CRISPLD2
MEDAG
SPON2
LTBP1
TBX2
VCAN
IL24
IGFBP4
TBX3
TCF21
INHBA
COL12A1
PDGFRA
HAS2
MMP2
ANTXR1
COL7A1
EDNRB
LAMC3
IGFBP5
IL6
COL15A1
IL11
ANGPTL2
TRIB3
MMP10
GEM
PLIN2
DAB2
SLC2A3
HMOX1
COLEC11
MMP3
TSKU
PDPN

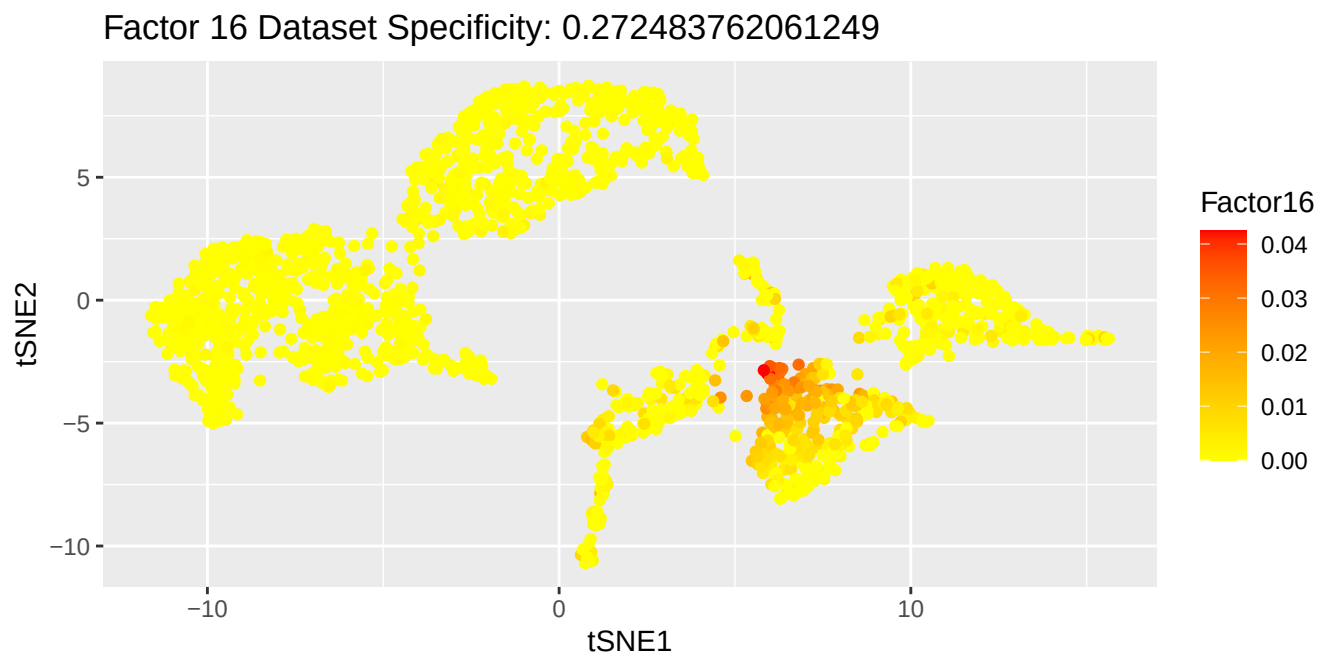

Factor 13 Dataset Specificity: −0.646230975380657
tSNE2
tSNE1
5
0
−5
−10
−10
0
10
Factor13
0.04
0.03
0.02
0.01
0.00

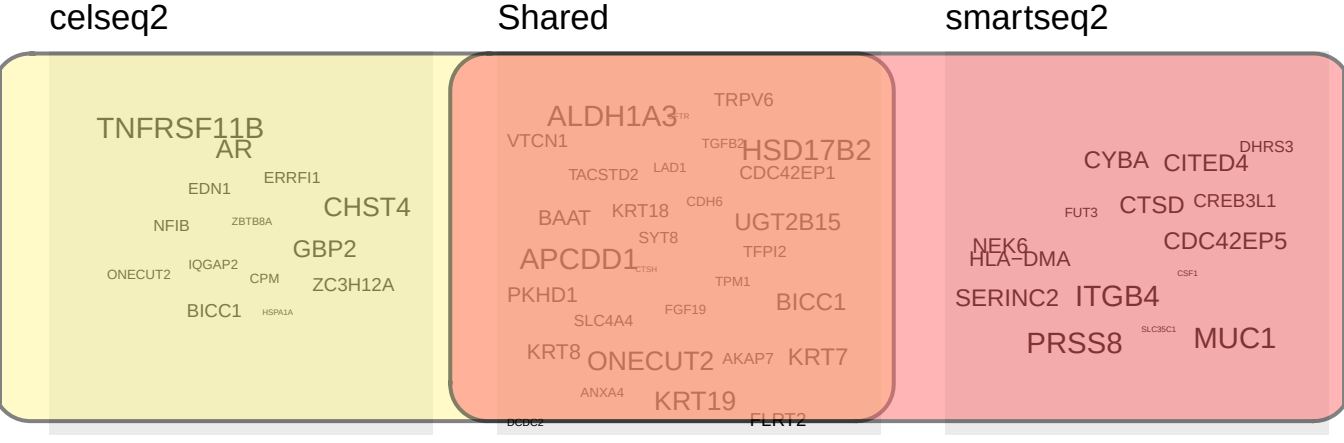

celseq2
Shared
smartseq2
no genes
no genes
ARHGEF6
GPR34
TESPA1
LCP1
RAC2
RAB27B
PRKCB
TPSAB1
ALOX5AP
KCNE3
DHRS9
CPA3
ALOX5
GATA2
RGS1
RGS10
LAPTM5
CAPG
SAMD3
GPR65
KLRG1
SAMSN1
S100A4
BTK
HPGDS
ARHGDIB
IL1RL1
RUNX3
STK17B
KIT

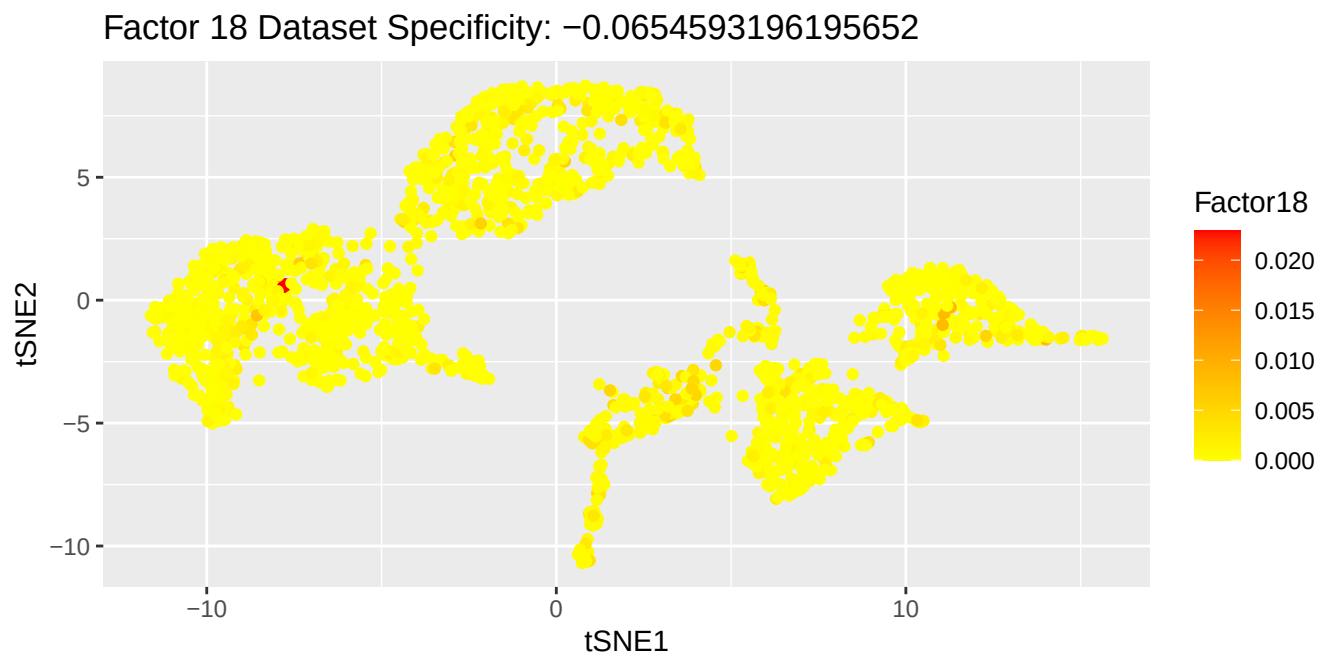

Factor 14 Dataset Specificity: 0.503009577035918
tSNE2
tSNE1
5
0
−5
−10
−10
0
10
Factor14
0.10
0.05
0.00
celseq2
Shared
smartseq2
RAI14
PTPN14
SLC7A11
CMTM3
G0S2
ZNF469
NQO1
ITGB5
ITGA11
CREB3L1
TBX2
HTRA1
LATS2
S1PR3
FBN1
SCARA3
FAT1
HEG1
SPRY4
ITGB3
TNS1
SNAI1
TXNRD1
PIEZO2
CCL26
SRPX2
CDH11
ITGA1
BGN
LAMA2
CCDC102B
MYLK
COL5A2
POSTN
TIMP3
FN1
BMP8A
F2R
COL4A1
ISLR
CALD1
PLXDC1
GLI2
COLEC11
F2RL2
SPARC
COL1A1
CTSC
SNAI2
NREP
ANO1
COL1A2
COL6A3
B3GNT2
GEM
ENPEP
OSR2
ZP1
GJA4
TMEM204
RCN3
FILIP1
IFITM1
IQGAP2
CASP1
TRAM1L1
GPNMB

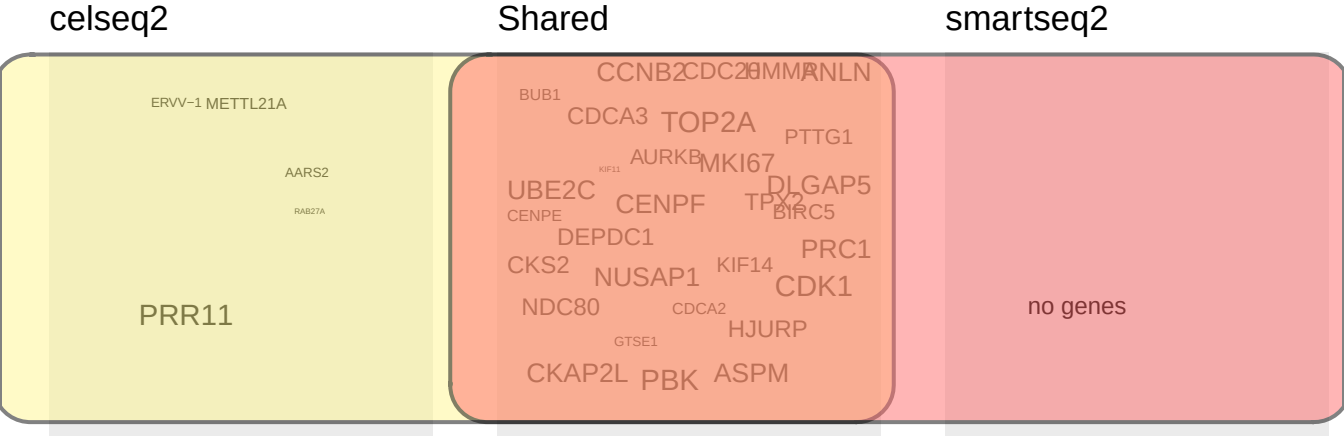

Factor 15 Dataset Specificity: 0.520765789598077
tSNE2
tSNE1
5
0
−5
−10
−10
0
10
Factor15
0.015
0.010
0.005
0.000

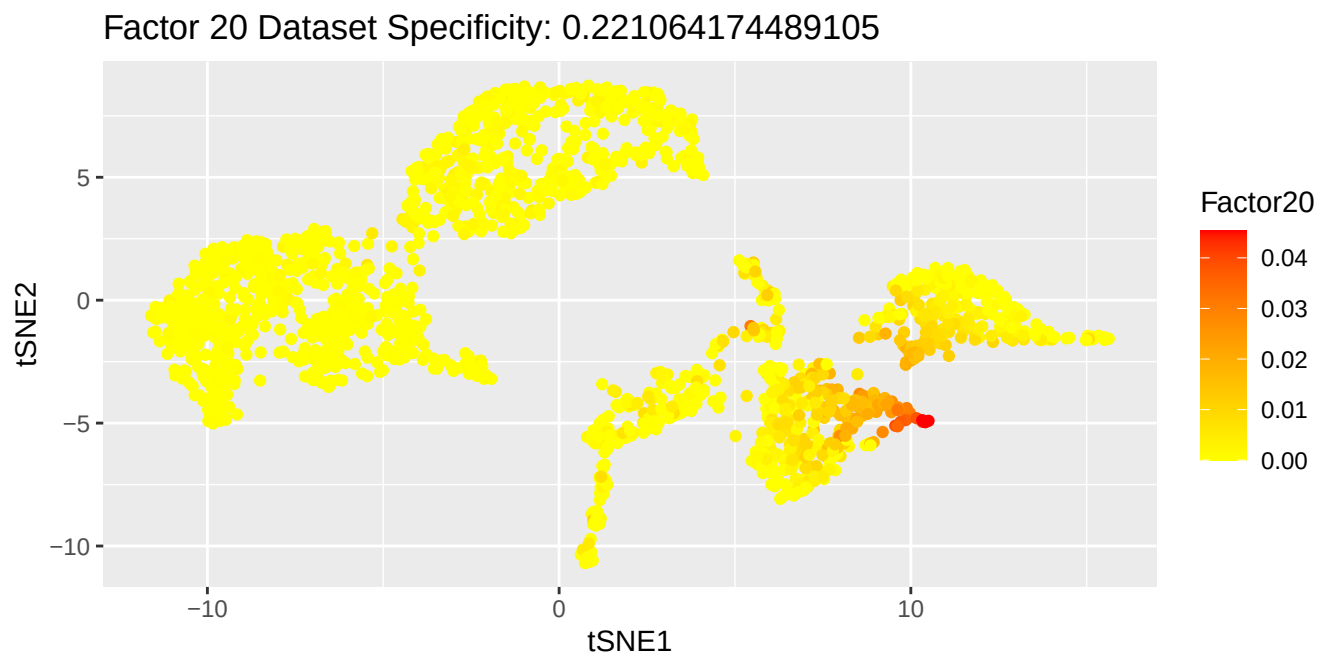

celseq2
Shared
smartseq2
ZNF264
MAB21L3
LYRM7
APOL4
MFAP5
RAB27A
IDO1
DNMBP
L2HGDH
LDB2
DGKB
ELMOD1
RBL1
ZC3H12D
CCDC142
TMEM212
SGSM1
VSTM4
C21orf62
CHST6
HCG11
PHKA1
KLRD1
HSPA1A
LDHA
WNT7B
SERPINI1
NPNT
IRX2
CFC1
SLC38A4
CRYBA2
FAP
VGF
CHGA
KLHL41
PAPPA2
PEMT
LOXL4
PDK4
CHGB
RGS4
ARRDC4
PYROXD2
KCTD12
PPP2R2B
TM4SF4
PAM
PPP4
FEV
PLCE1
SERPINE2
GC
PIM2
TCN2
KCNK16
ACE
SNX22
C1QL1
ASS1
USF1
NR1D1
QPRT
SLC43A1
RAMP2
NGF
NR0B2
ZG16B
PPFIBP2
CLDN18
SYNDIG1
DHRS2
TIMP1
DENND6B
PRKG2
UCP2
TBC1D13
PPARG
PHGDH
IFI30
FTL

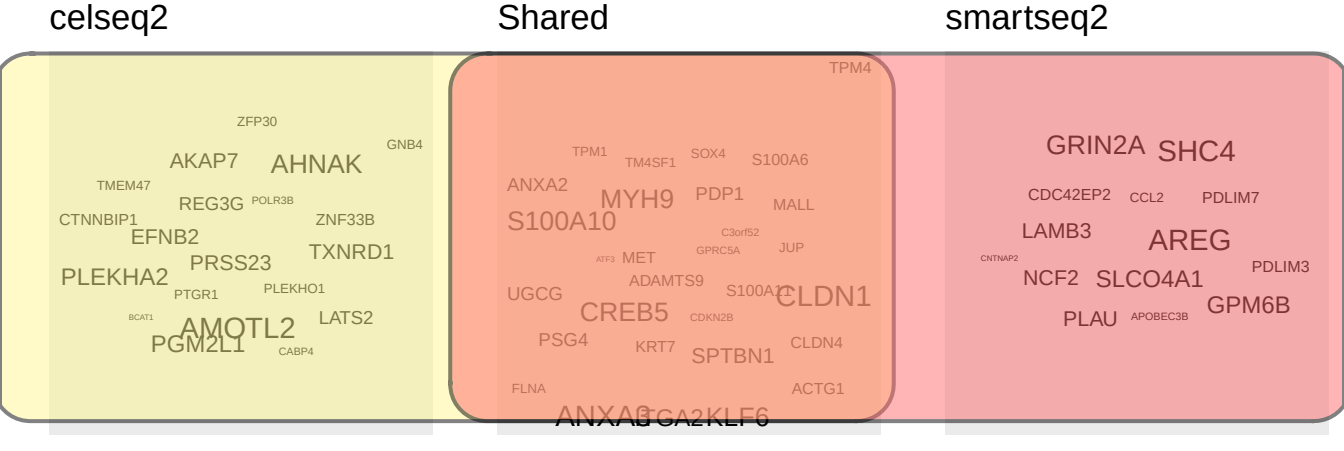

Factor 16 Dataset Specificity: 0.272483762061249
tSNE2
tSNE1
5
0
−5
−10
−10
0
10
Factor16
0.04
0.03
0.02
0.01
0.00


celseq2
Shared
smartseq2
TNFRSF11B
AR
EDN1
ERRFI1
CHST4
NFIB
ZBTB8A
GBP2
IQGAP2
ONECUT2
CPM
ZC3H12A
BICC1
HSPA1A
TRPV6
ALDH1A3
VTCN1
TGFB2
HSD17B2
TACSTD2
LAD1
CDC42EP1
BAAT
KRT18
CDH6
UGT2B15
SYT8
APCDD1
TFPI2
PKHD1
TPM1
BICC1
SLC4A4
FGF19
KRT8
ONECUT2
AKAP7
KRT7
ANXA4
KRT19
CYBA
CITED4
DHRS3
FUT3
CTSD
CREB3L1
NEK6
CDC42EP5
HLA−DMA
SERINC2
ITGB4
PRSS8
MUC1


Factor 18 Dataset Specificity: −0.0654593196195652
tSNE2
tSNE1
5
0
−5
−10
−10
0
10
Factor18
0.020
0.015
0.010
0.005
0.000


celseq2
Shared
smartseq2
ERVV−1
METTL21A
AARS2
RAB27A
PRR11
CCNB2
CDC20
HMMR
ANLN
BUB1
CDCA3
TOP2A
PTTG1
AURKB
KIF11
MKI67
UBE2C
CENPF
TPX2
DLGAP5
CENPE
BIRC5
DEPDC1
PRC1
CKS2
NUSAP1
KIF14
CDK1
NDC80
CDCA2
HJURP
GTSE1
CKAP2L
PBK
ASPM
no genes


Factor 20 Dataset Specificity: 0.221064174489105
tSNE2
tSNE1
5
0
−5
−10
−10
0
10
Factor20
0.04
0.03
0.02
0.01
0.00


celseq2
Shared
smartseq2
ZFP30
GNB4
AKAP7
AHNAK
TMEM47
REG3G
POLR3B
CTNNBIP1
ZNF33B
EFNB2
TXNRD1
PRSS23
PLEKHA2
PTGR1
PLEKHO1
BCAT1
AMOTL2
LATS2
PGM2L1
CABP4
TPM4
TPM1
TM4SF1
SOX4
S100A6
ANXA2
MYH9
PDP1
MALL
S100A10
C3orf52
GPRC5A
JUP
ATF3
MET
ADAMTS9
UGCG
S100A11
CLDN1
CREB5
CDKN2B
PSG4
KRT7
SPTBN1
CLDN4
FLNA
ACTG1
GRIN2A
SHC4
CDC42EP2
CCL2
PDLIM7
LAMB3
AREG
CNTNAP2
PDLIM3
NCF2
SLCO4A1
GPM6B
PLAU
APOBEC3B