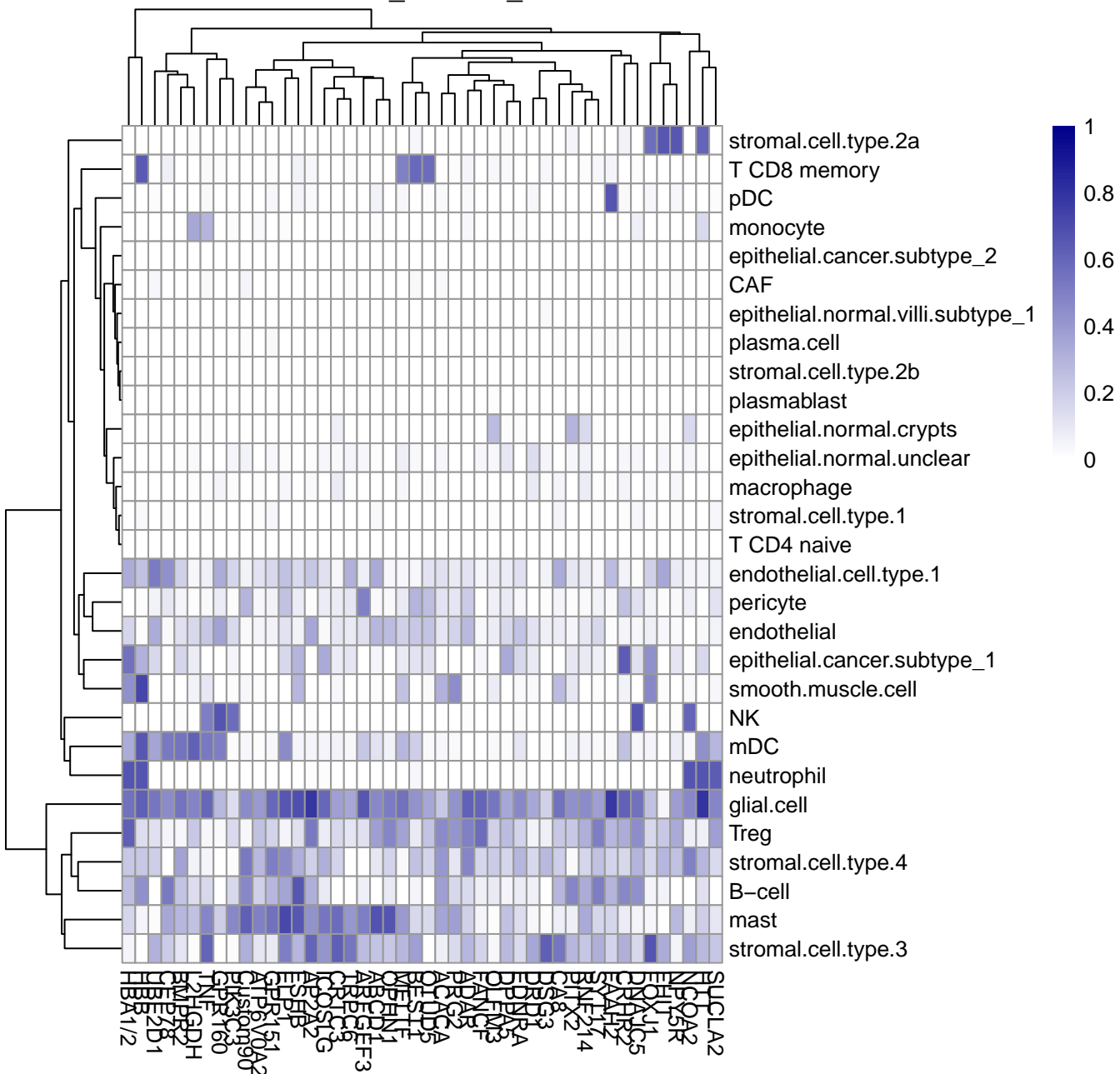
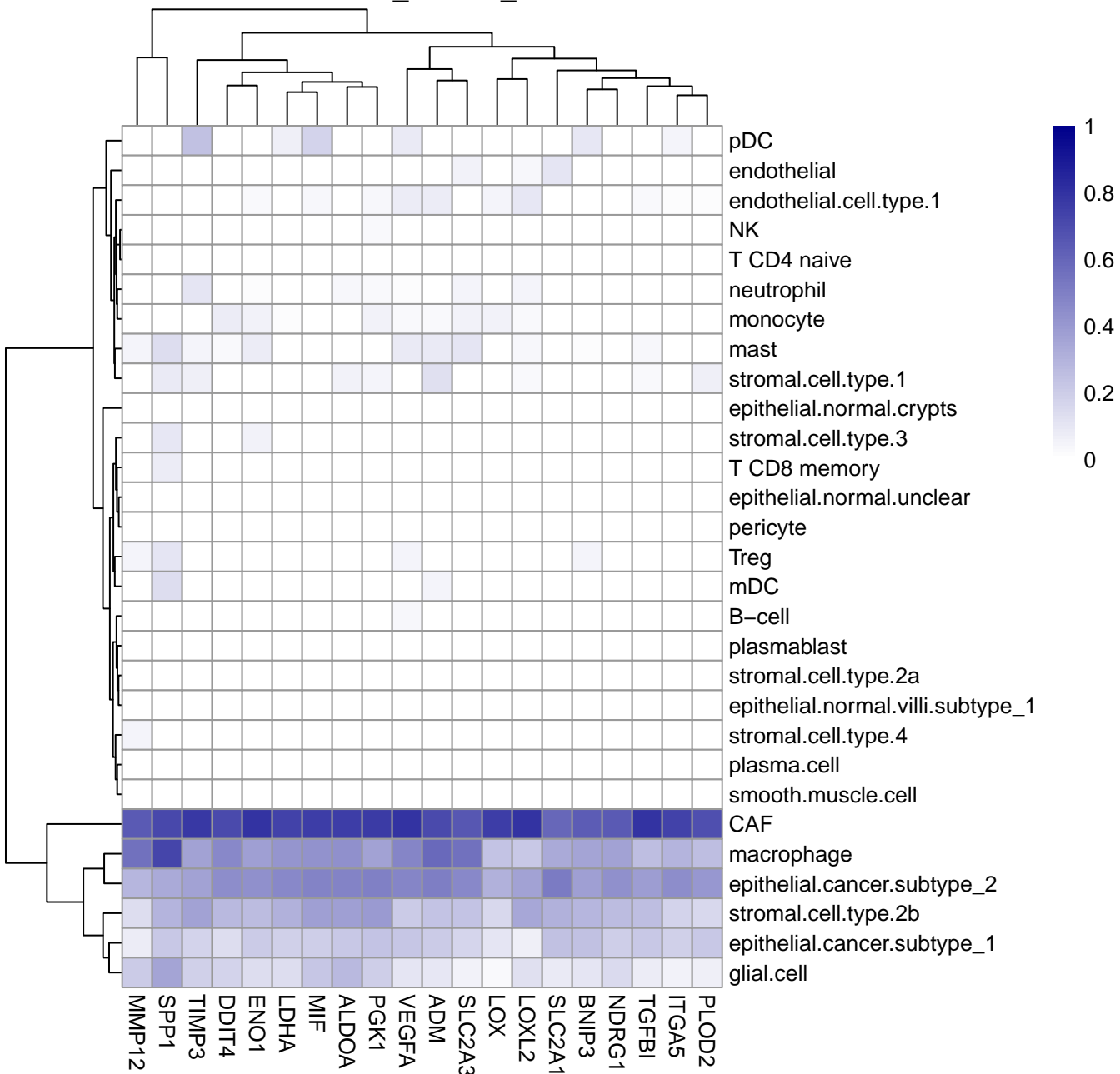


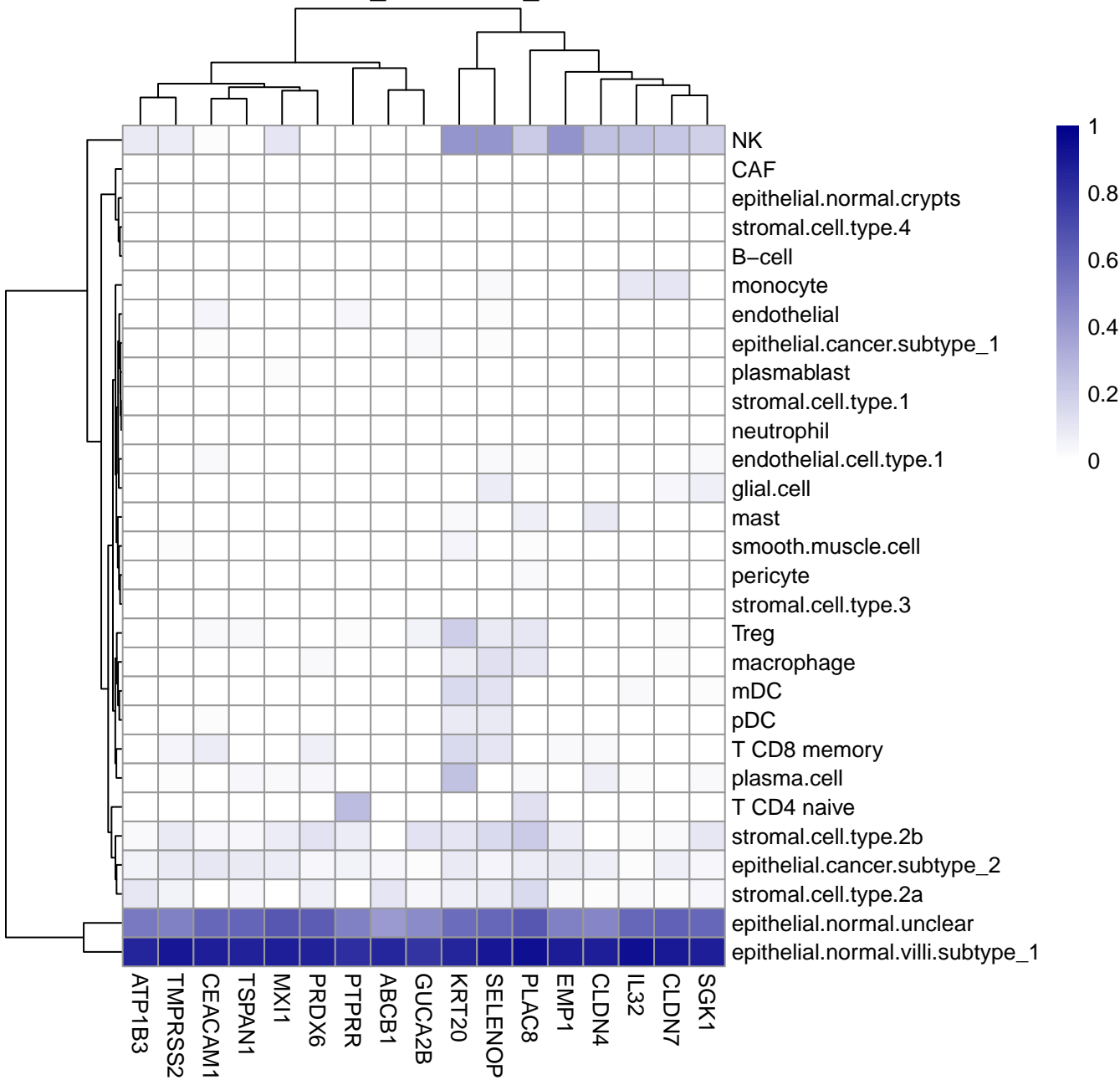
**CRHR2 HBA1/2 46**



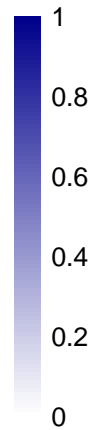
# VEGFA\_LOXL2\_20



## PLAC8\_TMPRSS2\_17

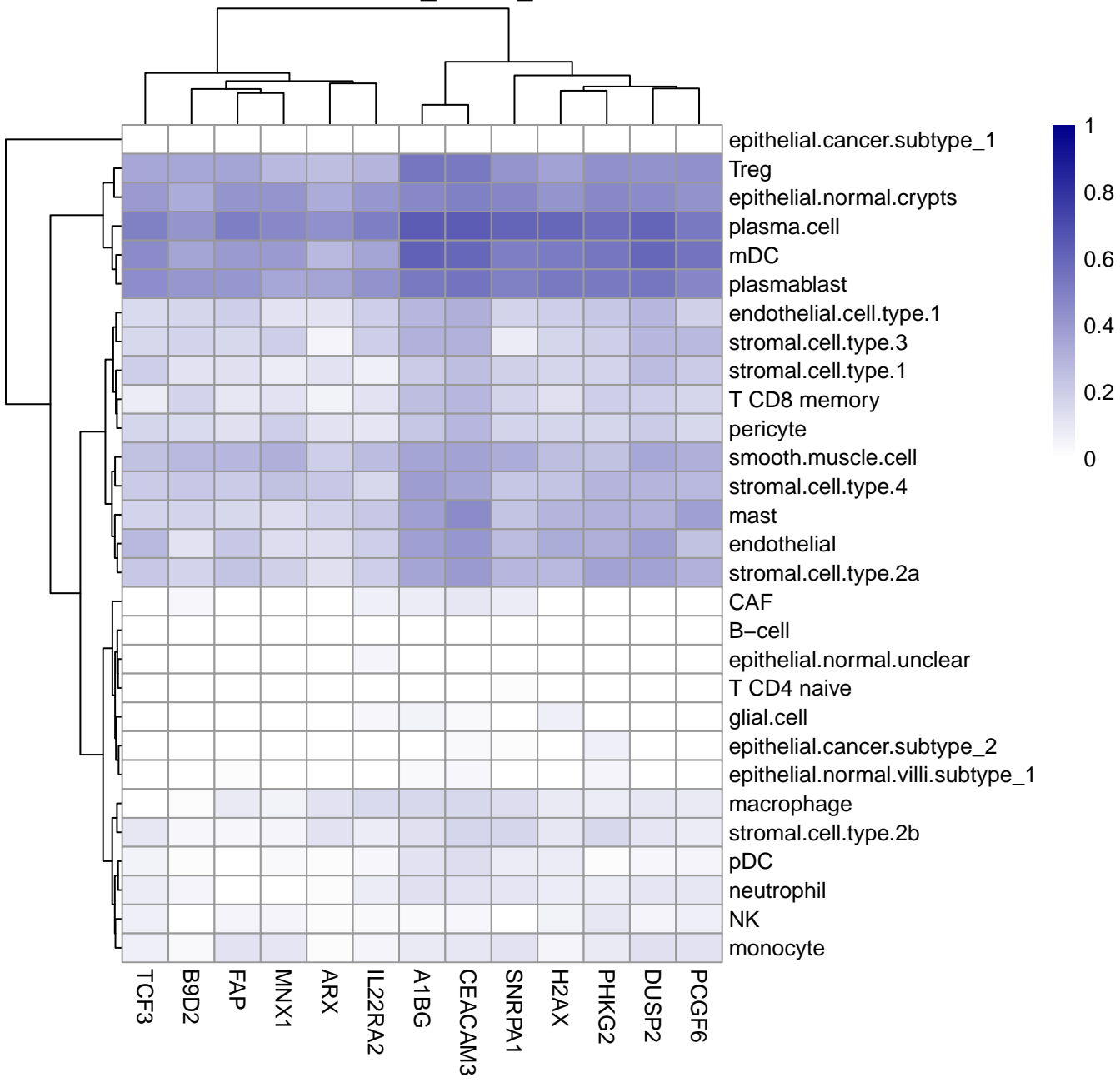


Heatmap visualization showing the expression levels of 15 genes across 15 cell types. The color scale ranges from 0 (white) to 1 (dark blue). The genes are listed on the y-axis, and the cell types are listed on the x-axis. The heatmap shows that SERPINE1, CTSK, SERPINF1, FBLN1, CLU, PTGIS, C1R, C3, MMP2, CCDC80, DCN, MGP, GREM1, PLTP, and SFRP2 are all expressed in the first two clusters, while SFRP2 is only expressed in the third cluster.

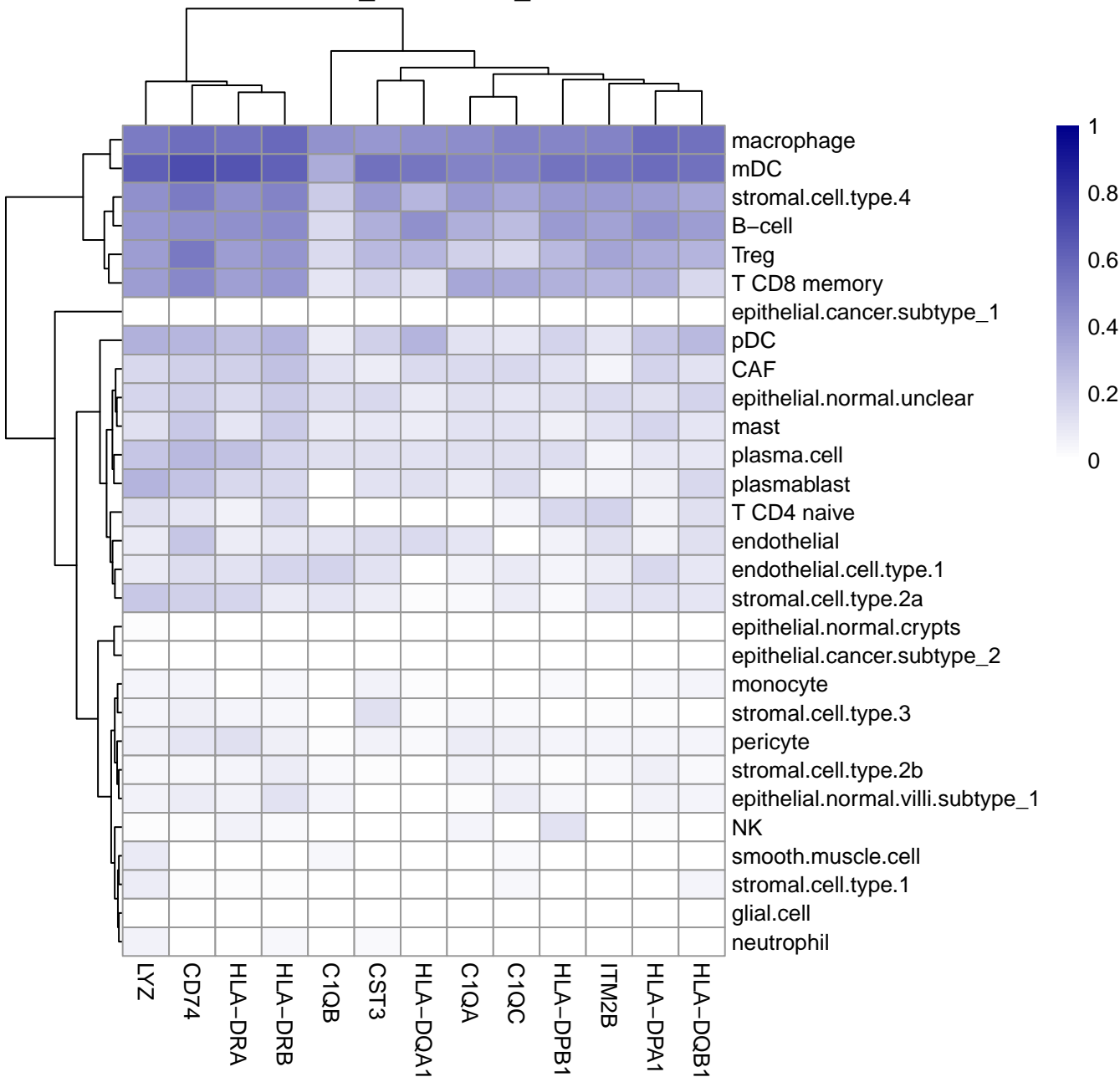


epithelial.cancer.subtype\_1  
epithelial.normal.crypts  
epithelial.normal.villi.subtype\_1  
stromal.cell.type.2a  
epithelial.cancer.subtype\_2  
plasmablast  
plasma.cell  
stromal.cell.type.2b  
epithelial.normal.unclear  
monocyte  
stromal.cell.type.1  
T CD4 naive  
pDC  
B-cell  
NK  
neutrophil  
glial.cell  
endothelial  
T CD8 memory  
endothelial.cell.type.1  
smooth.muscle.cell  
stromal.cell.type.3  
stromal.cell.type.4  
mDC  
mast  
Treg  
pericyte  
CAF  
macrophage

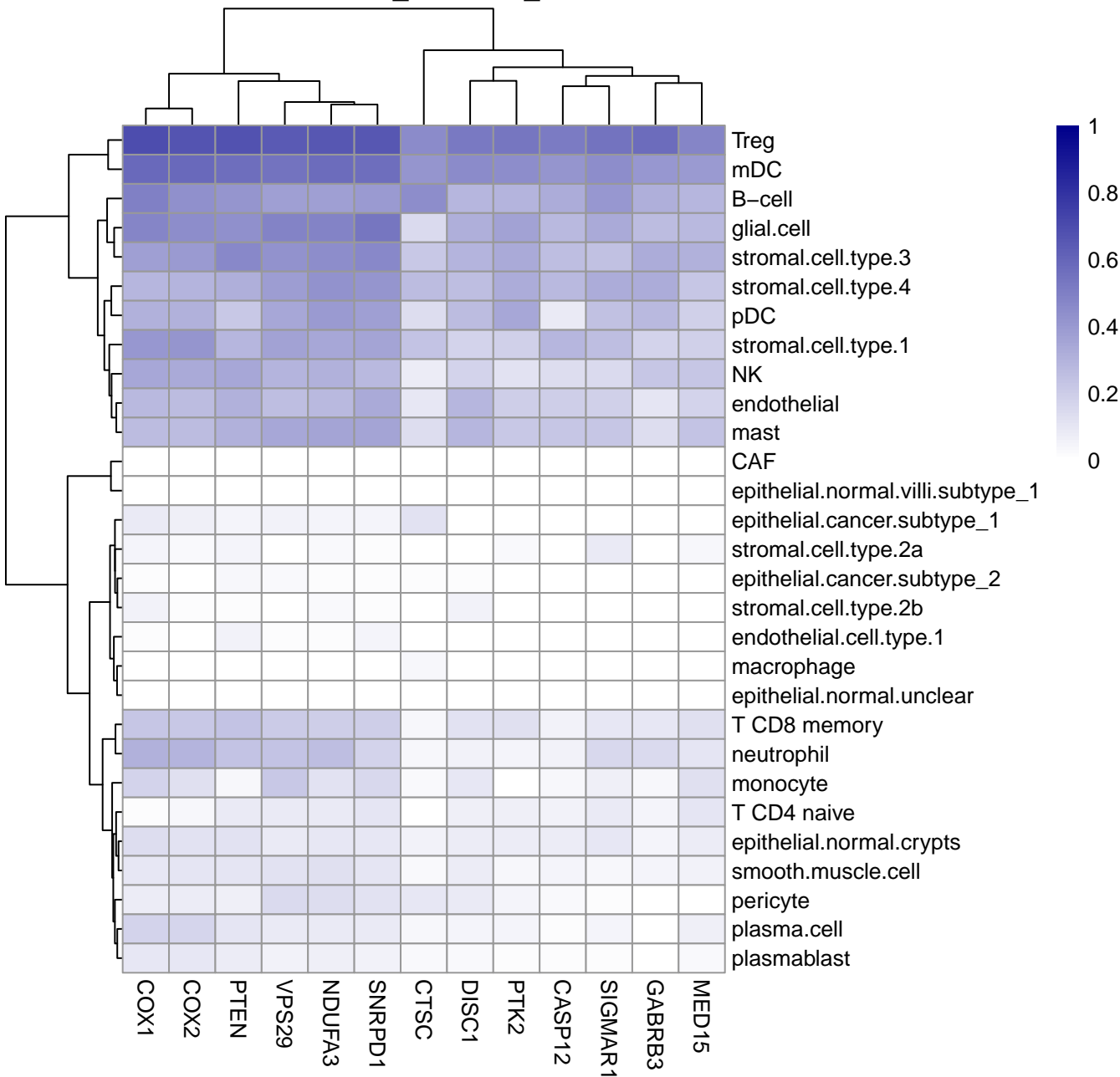
# CEACAM3\_A1BG\_13



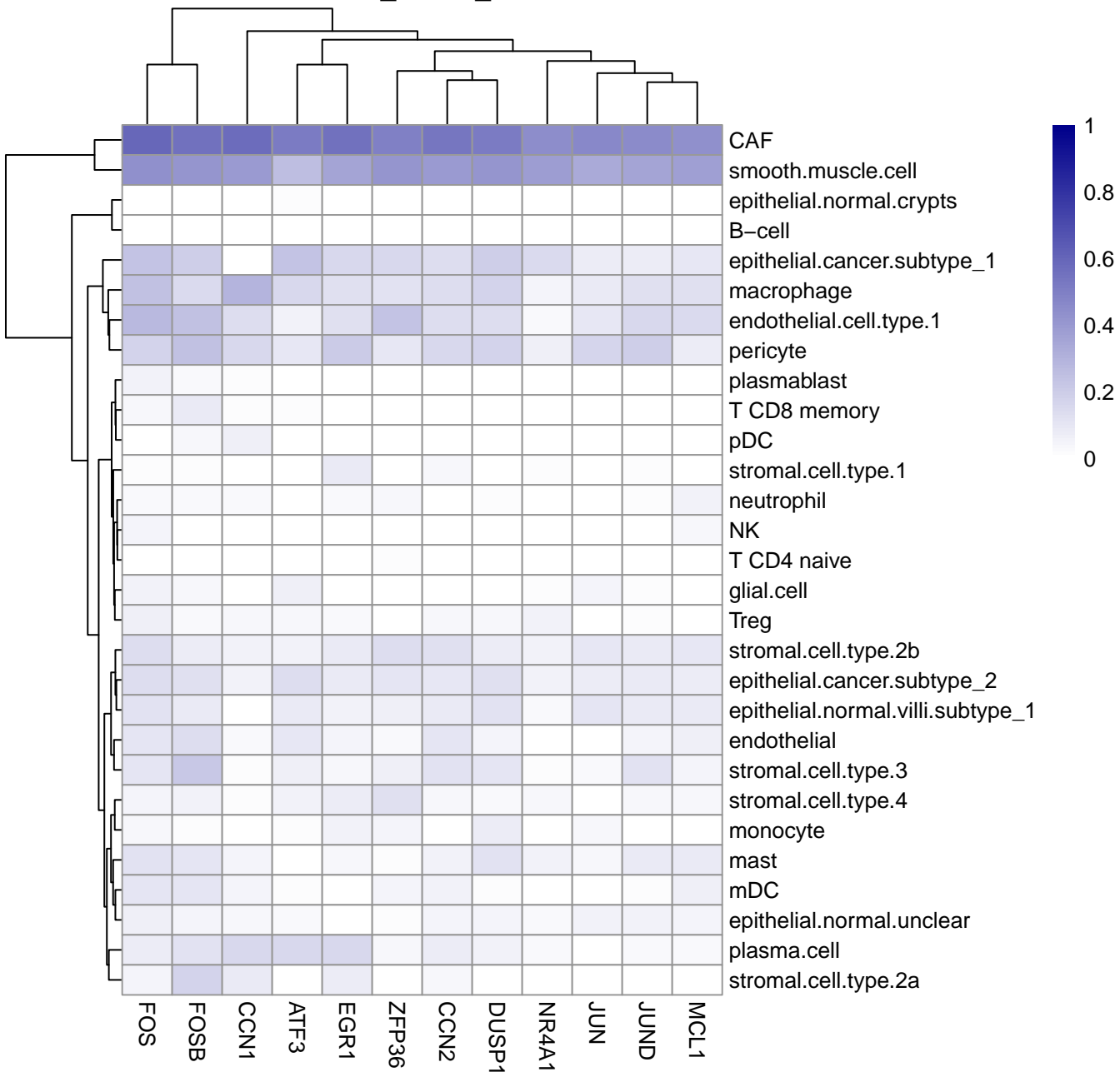
# CD74\_HLA-DRA\_13



# SNRPD1 NDUFA3 13

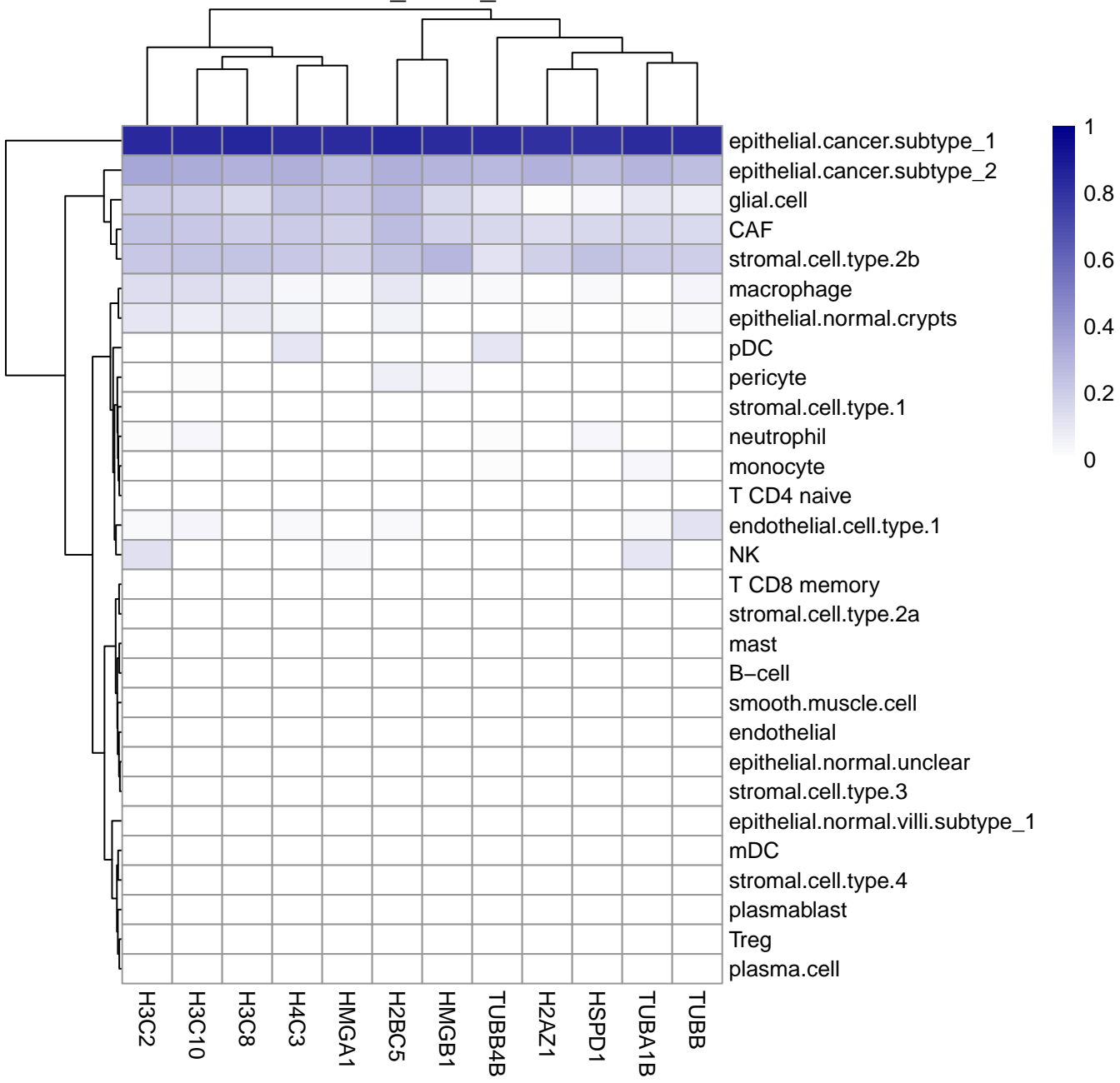


# FOS\_EGR1\_12

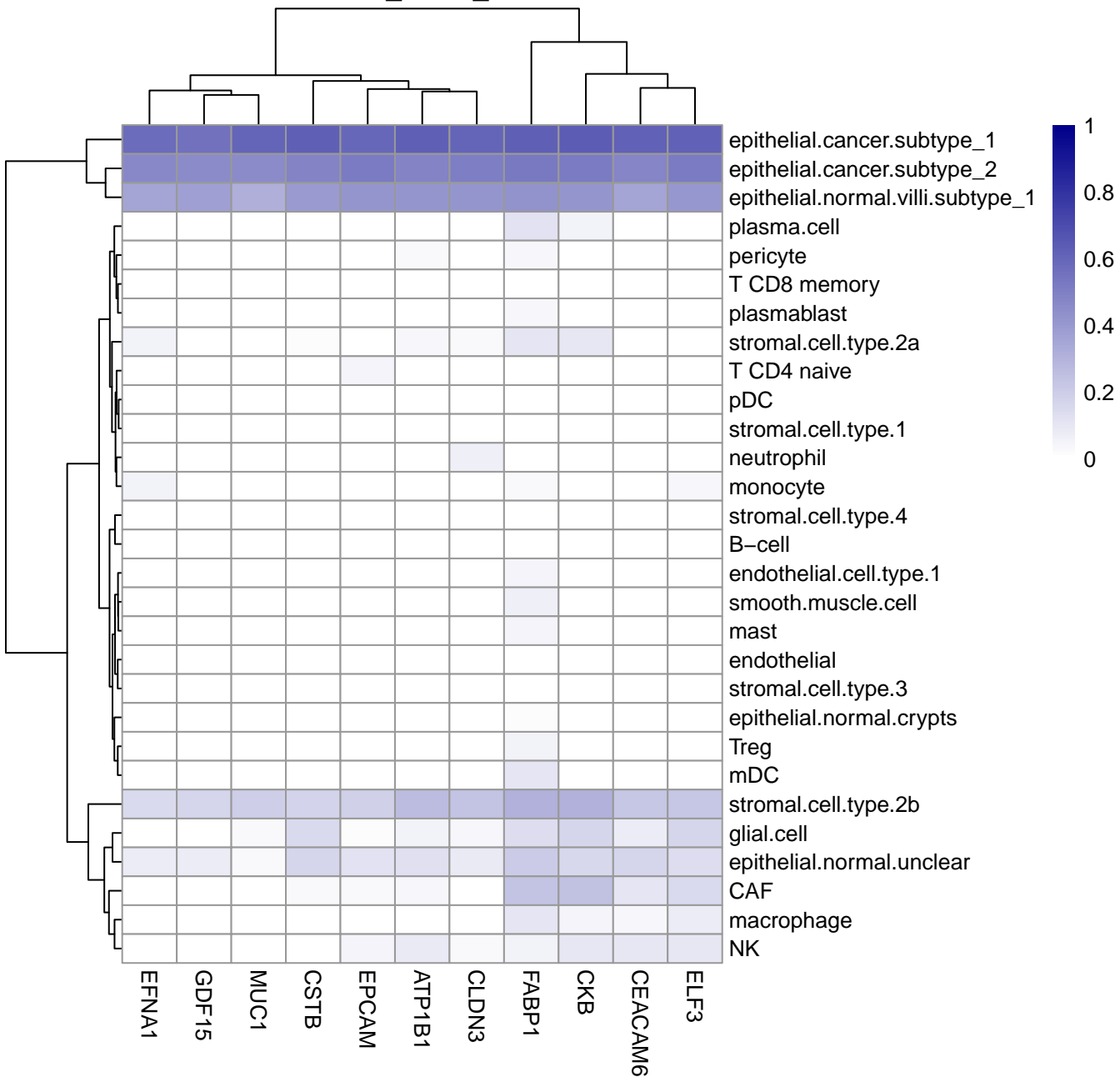




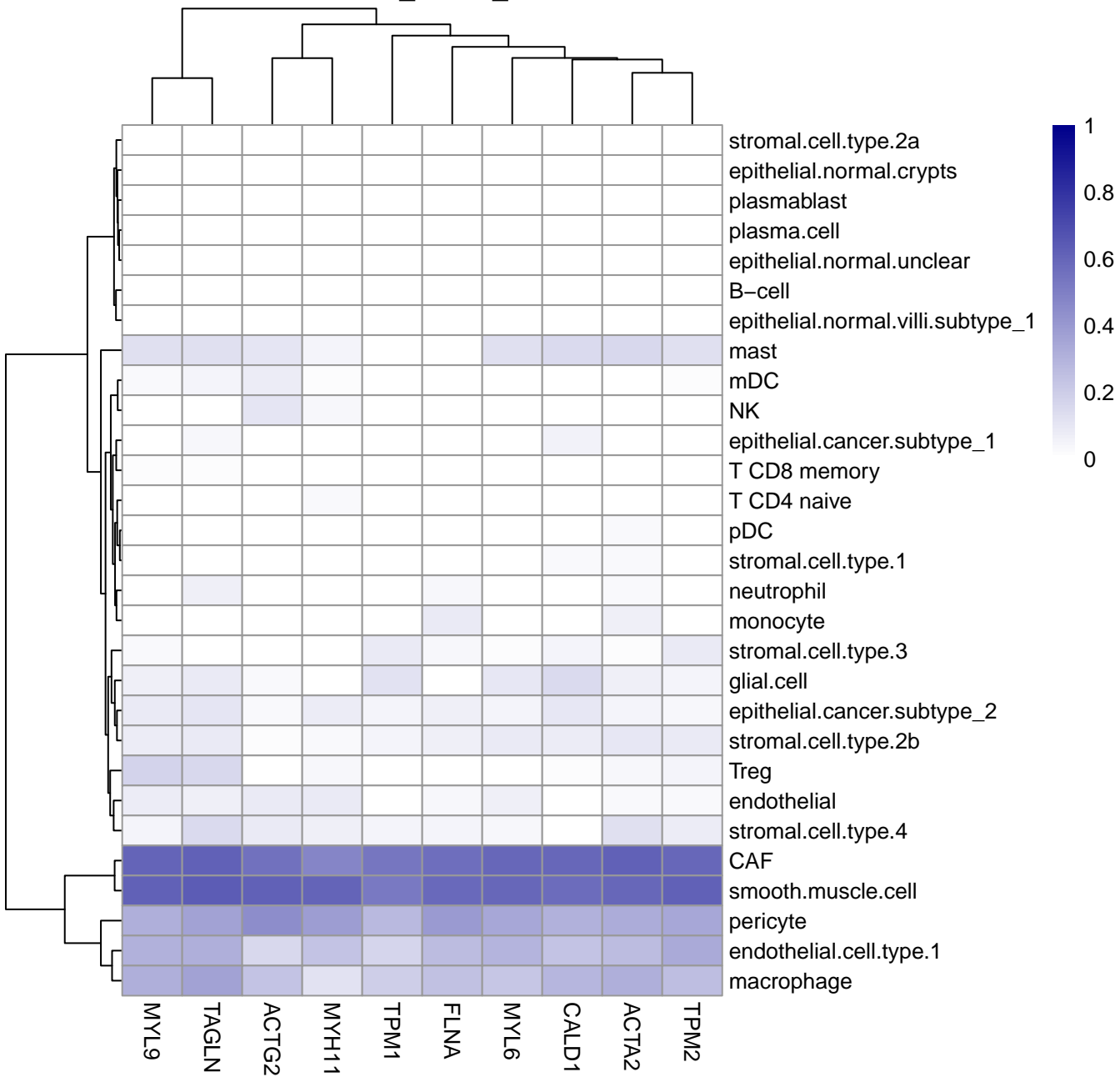
# H3C2\_H3C8\_12

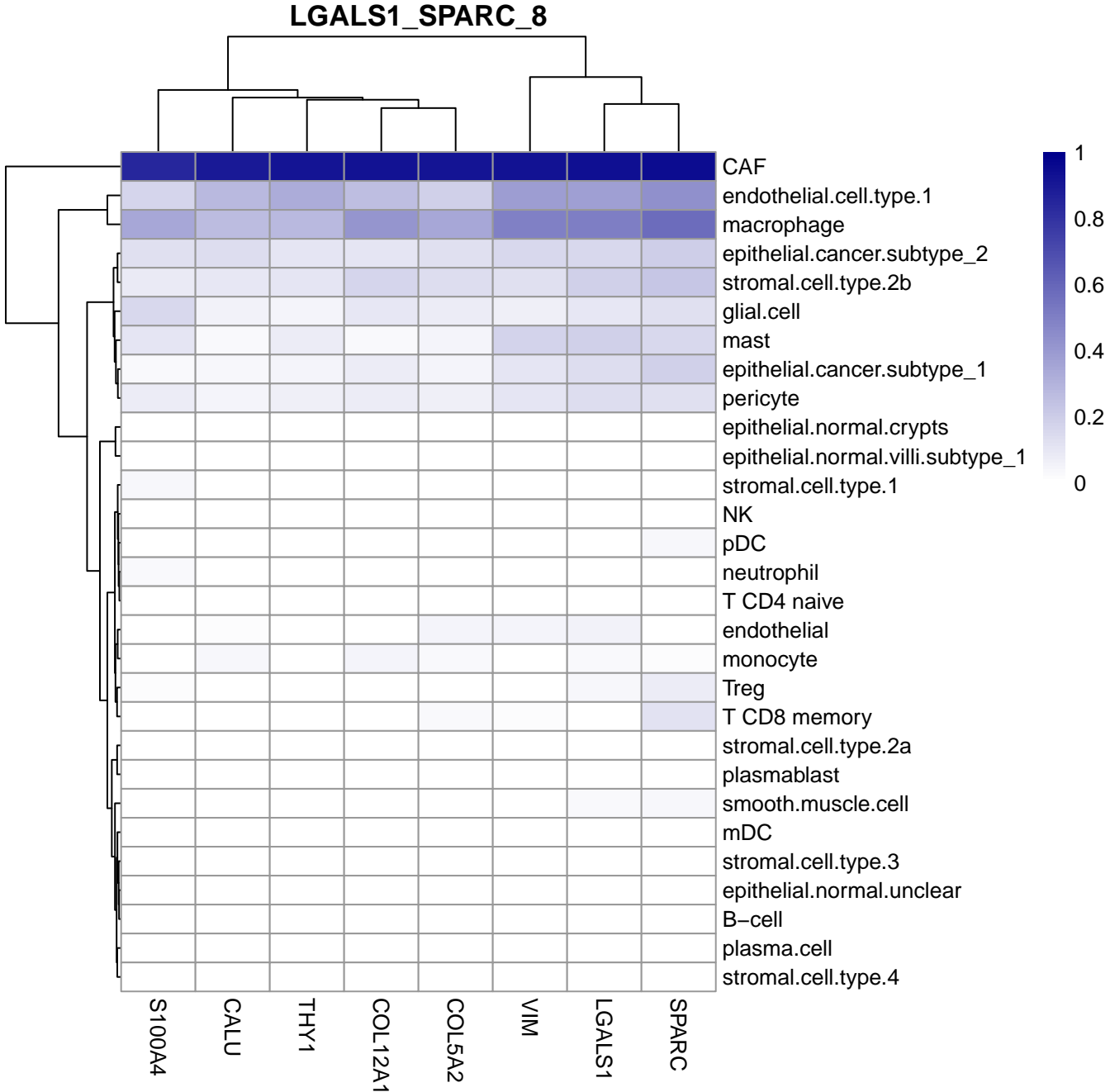


# CKB\_ELF3\_11

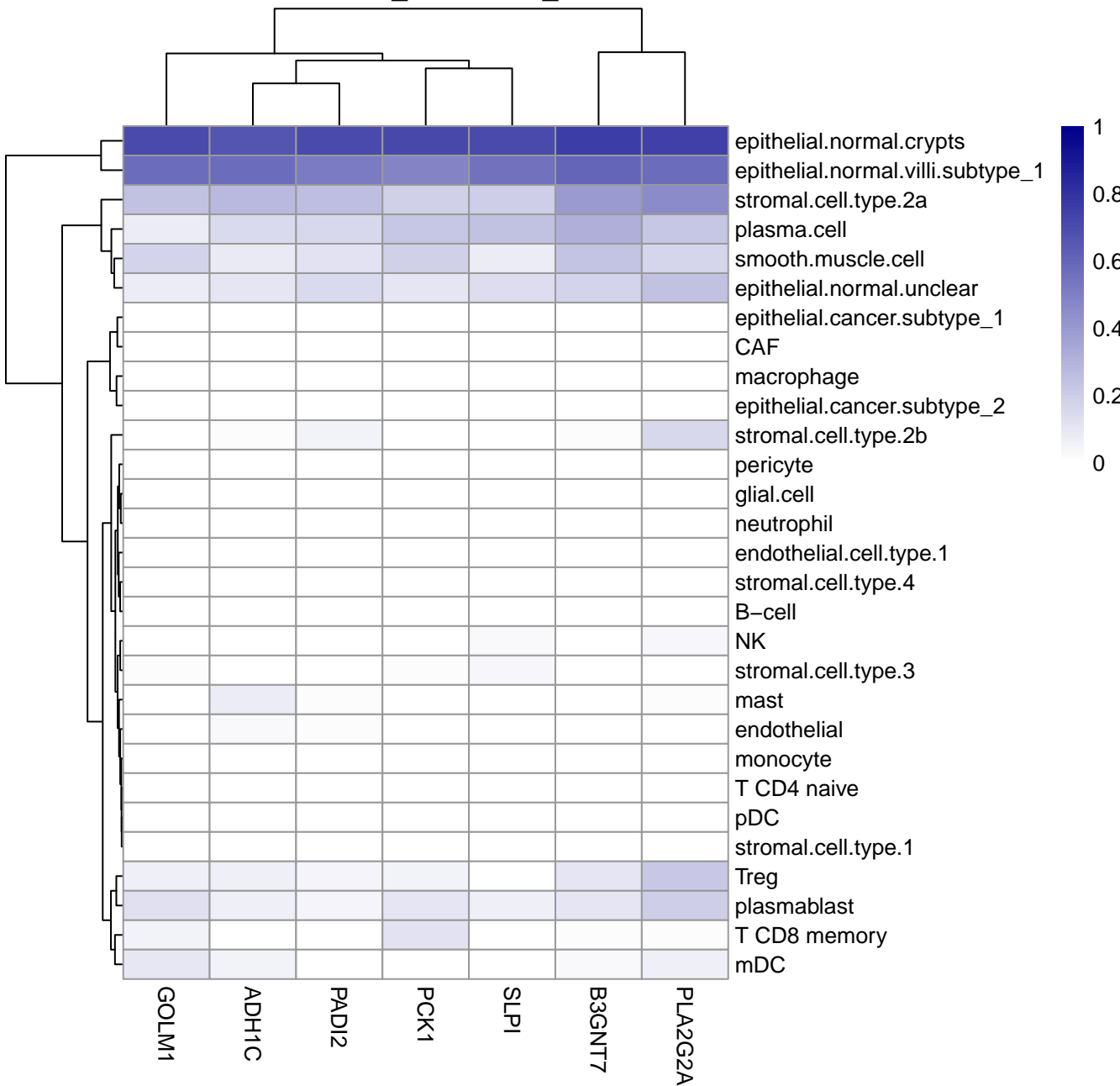


# TAGLN\_MYL9\_10

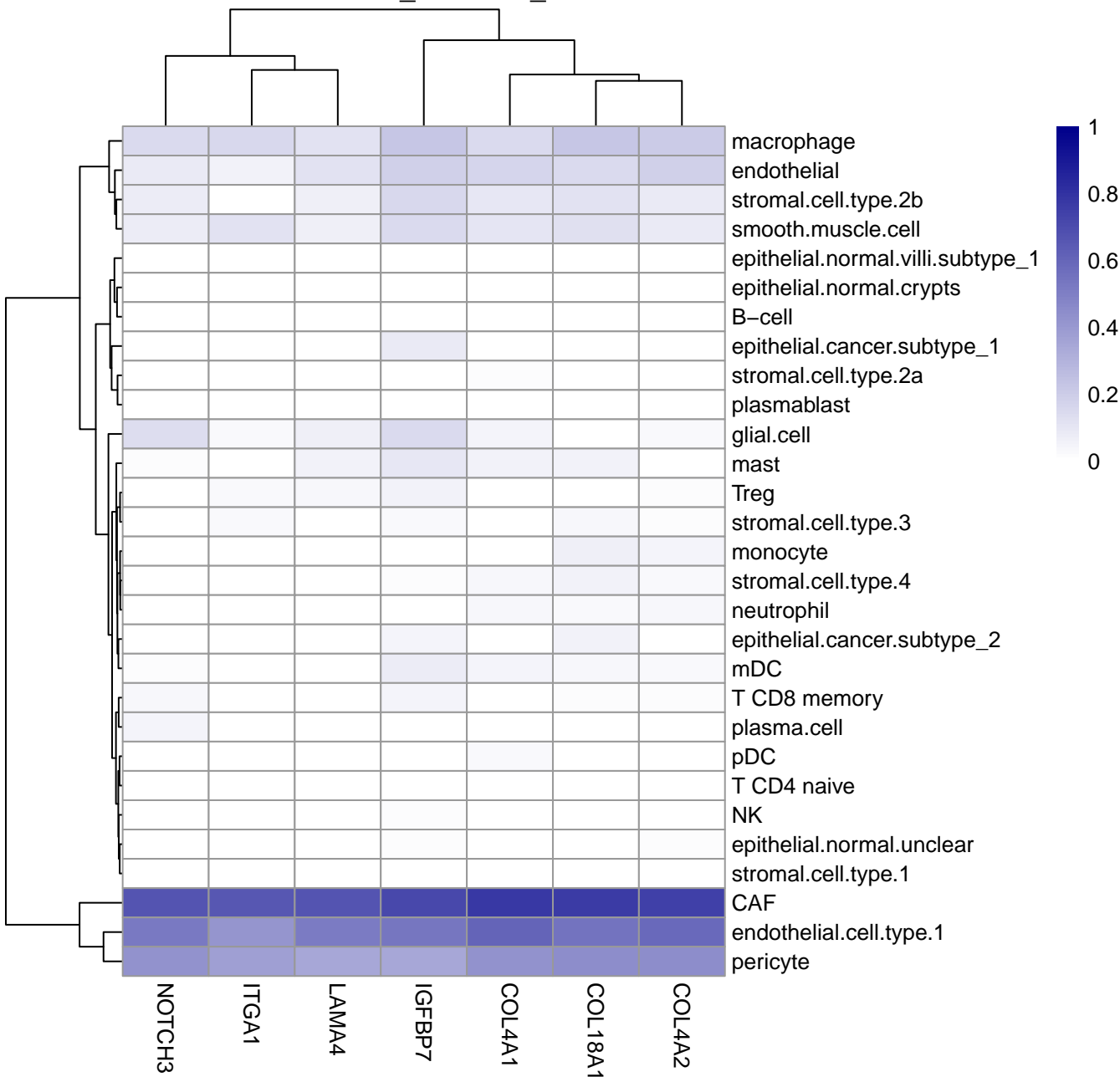




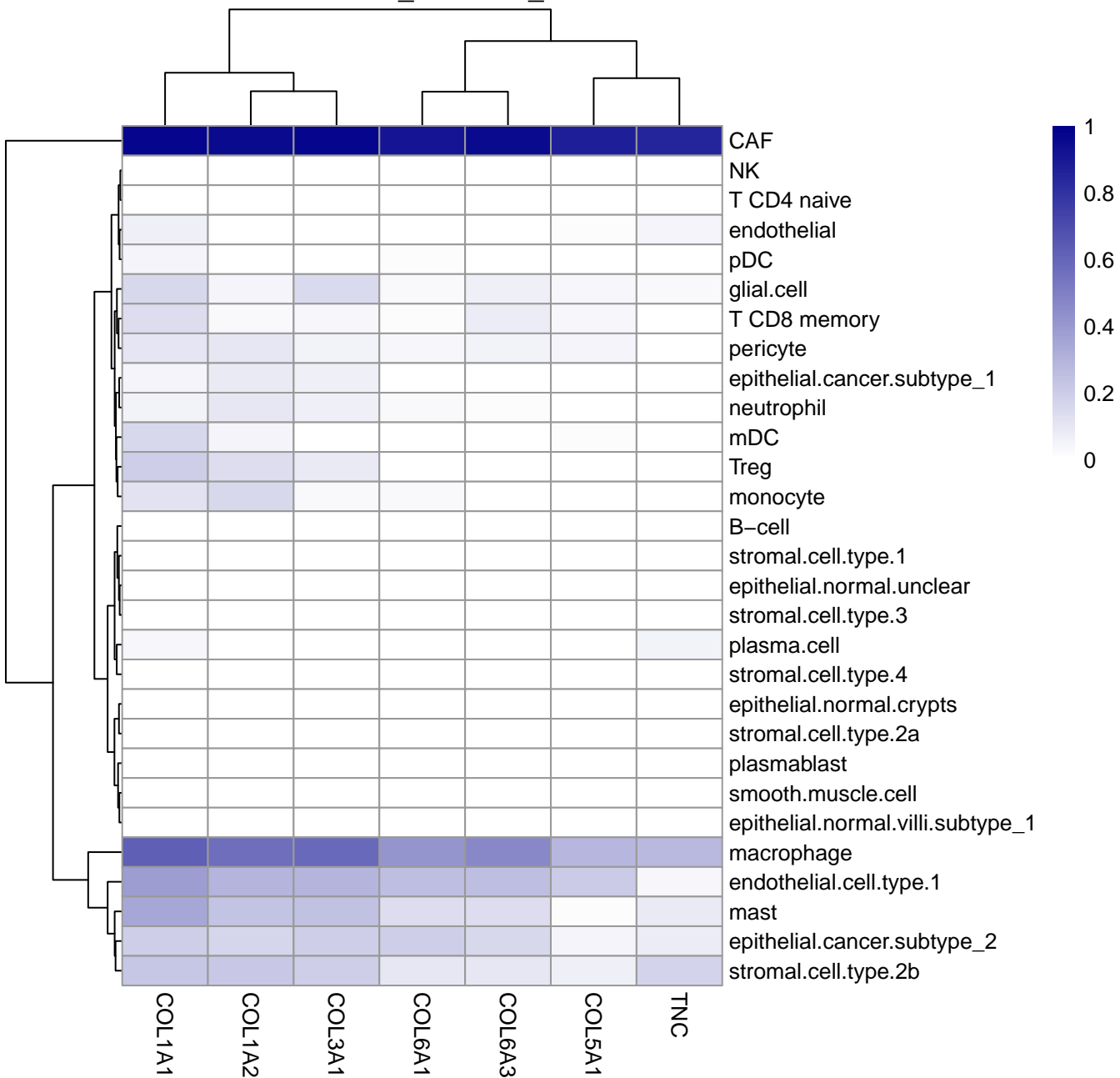
# B3GNT7\_PLA2G2A\_7



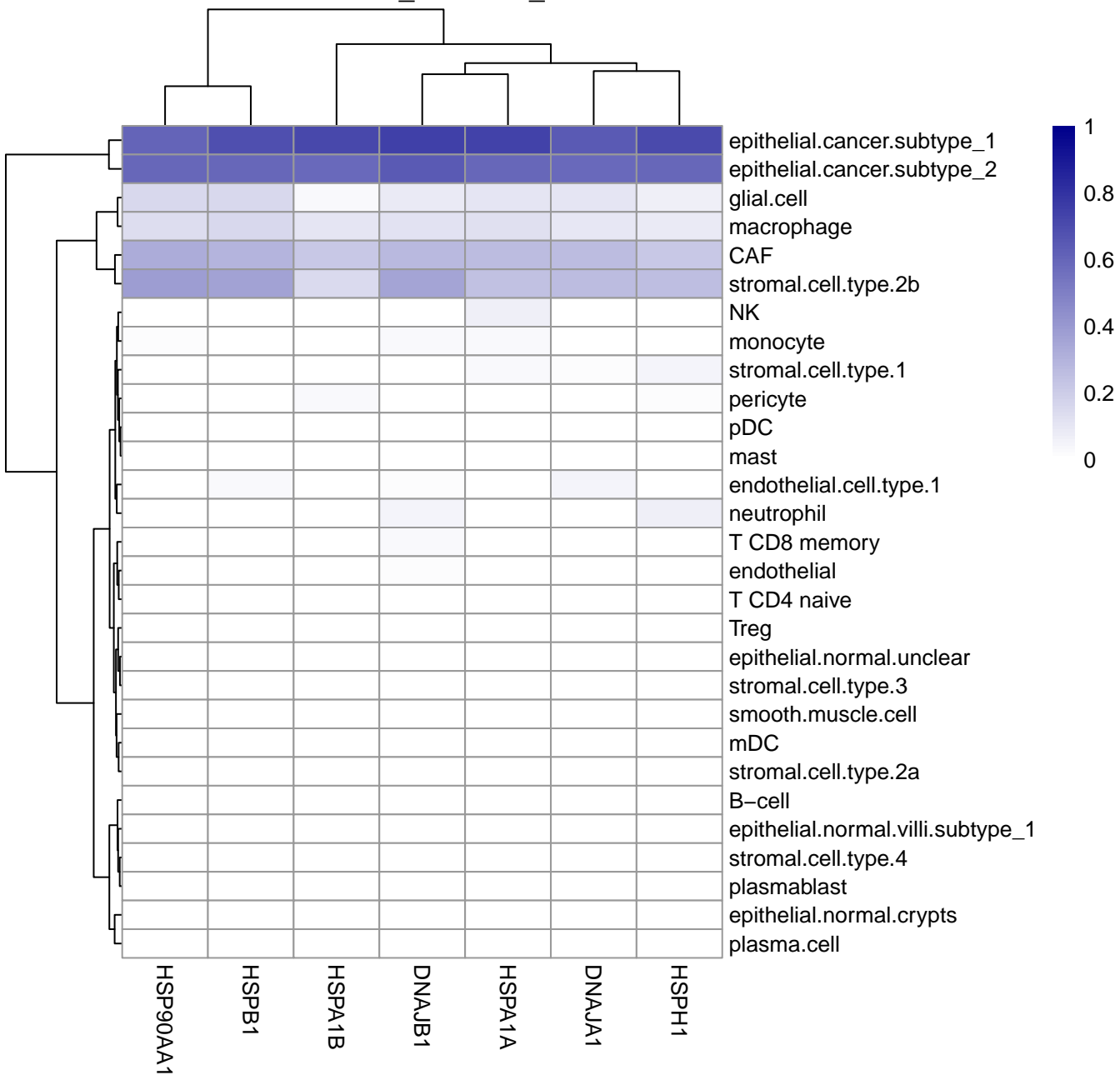
## COL4A1\_COL4A2\_7



## COL1A1\_COL3A1\_7

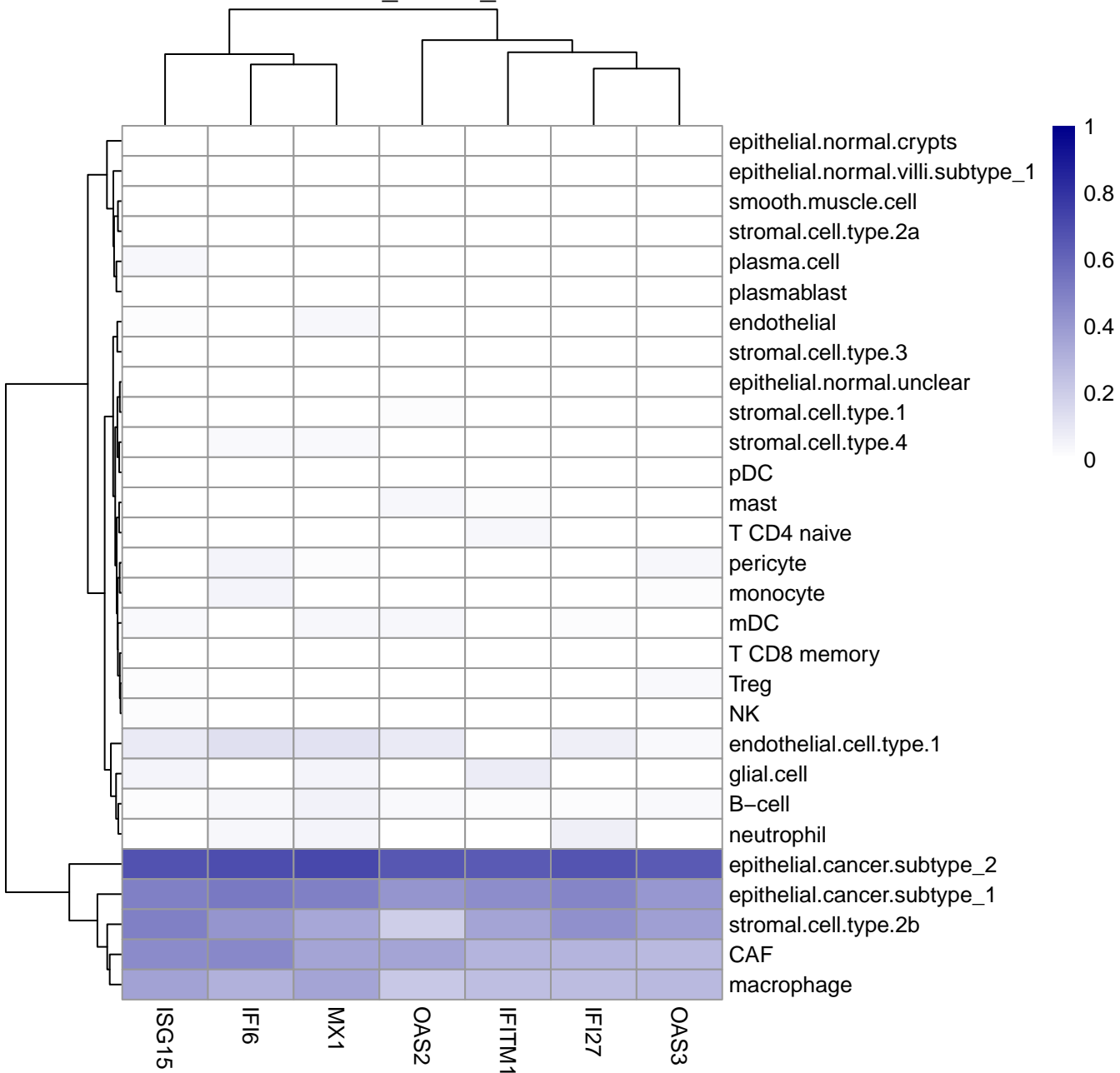


# DNAJB1\_HSPA1A\_7

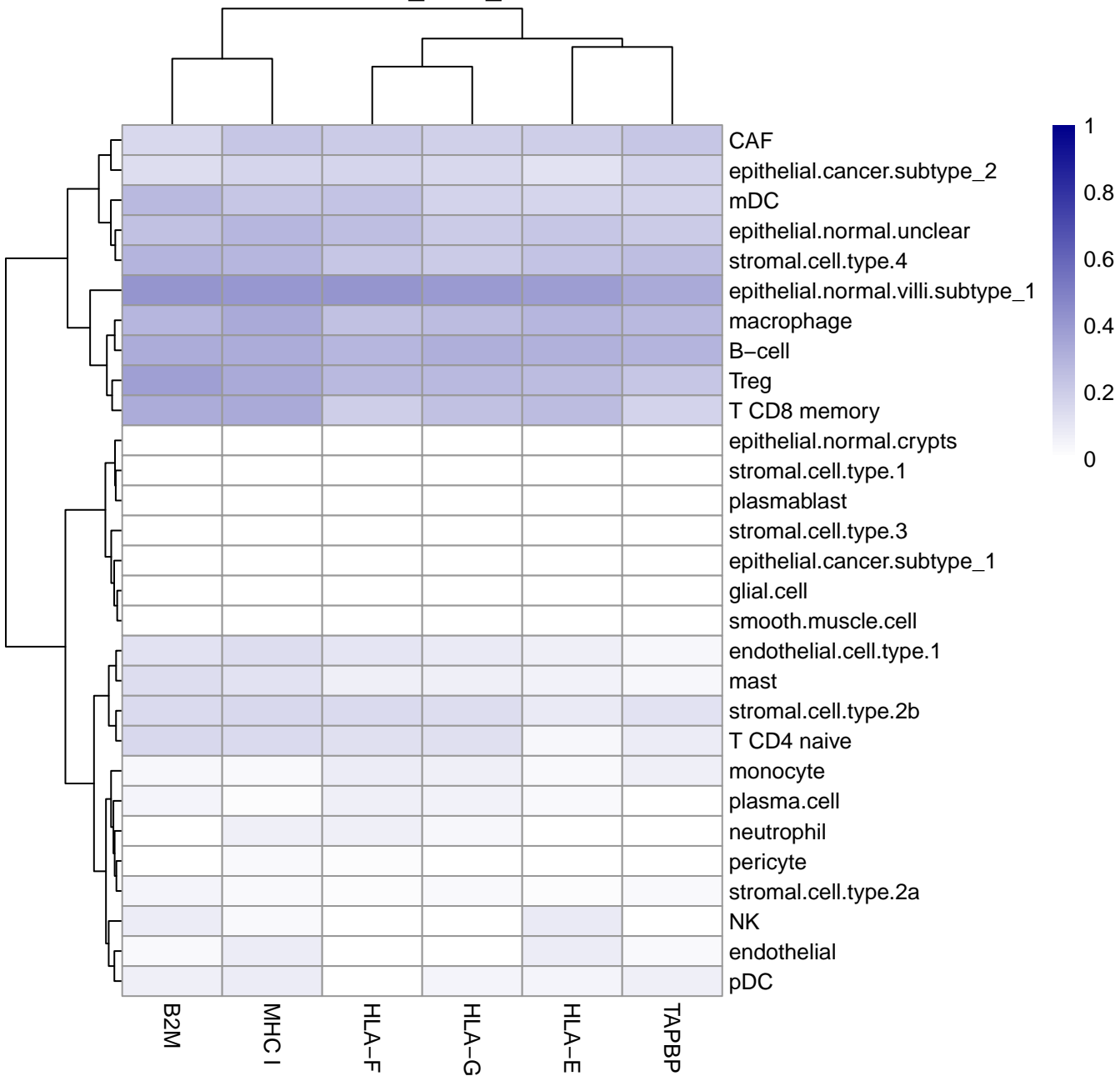




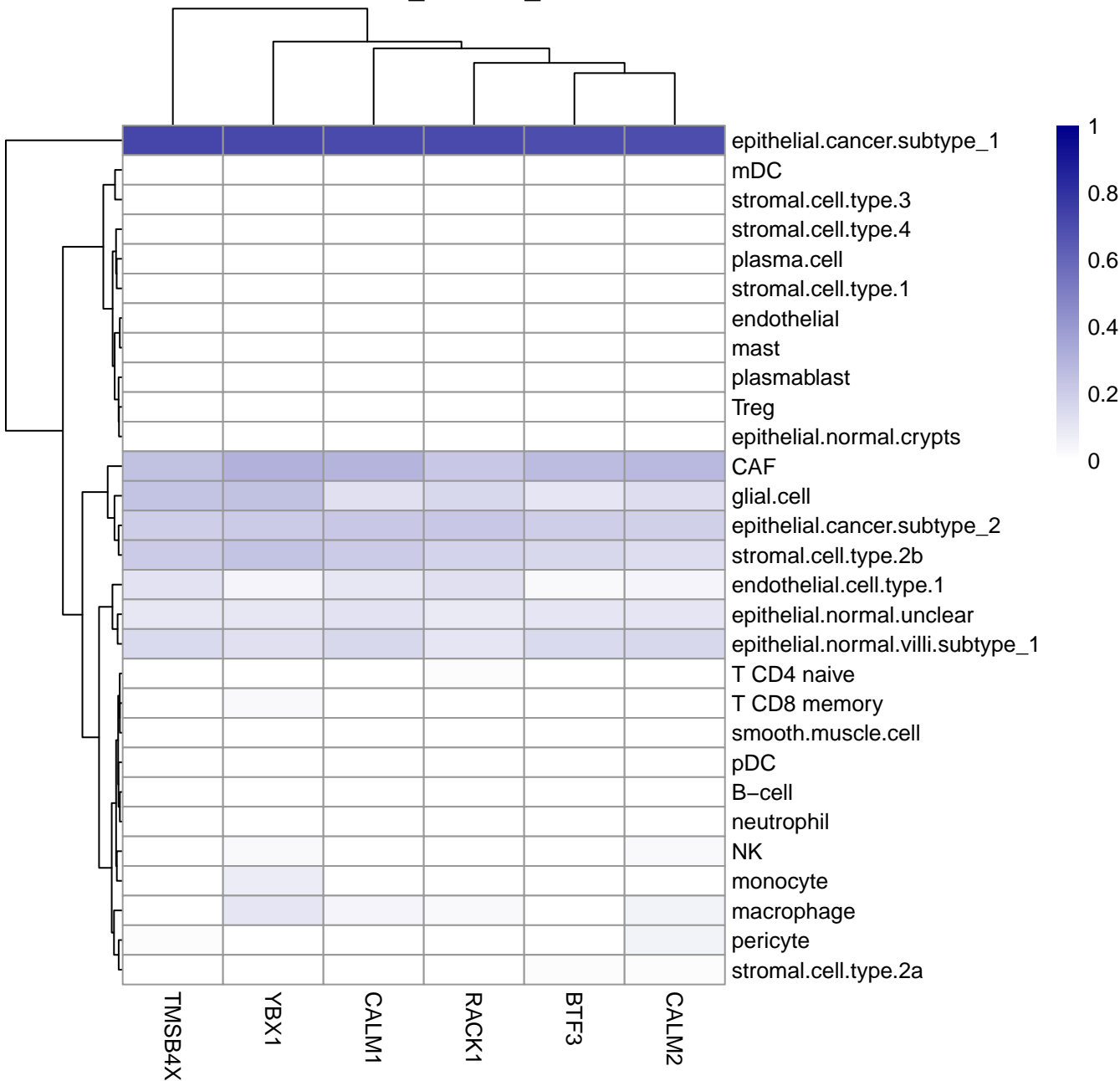
# IFI6\_ISG15\_7

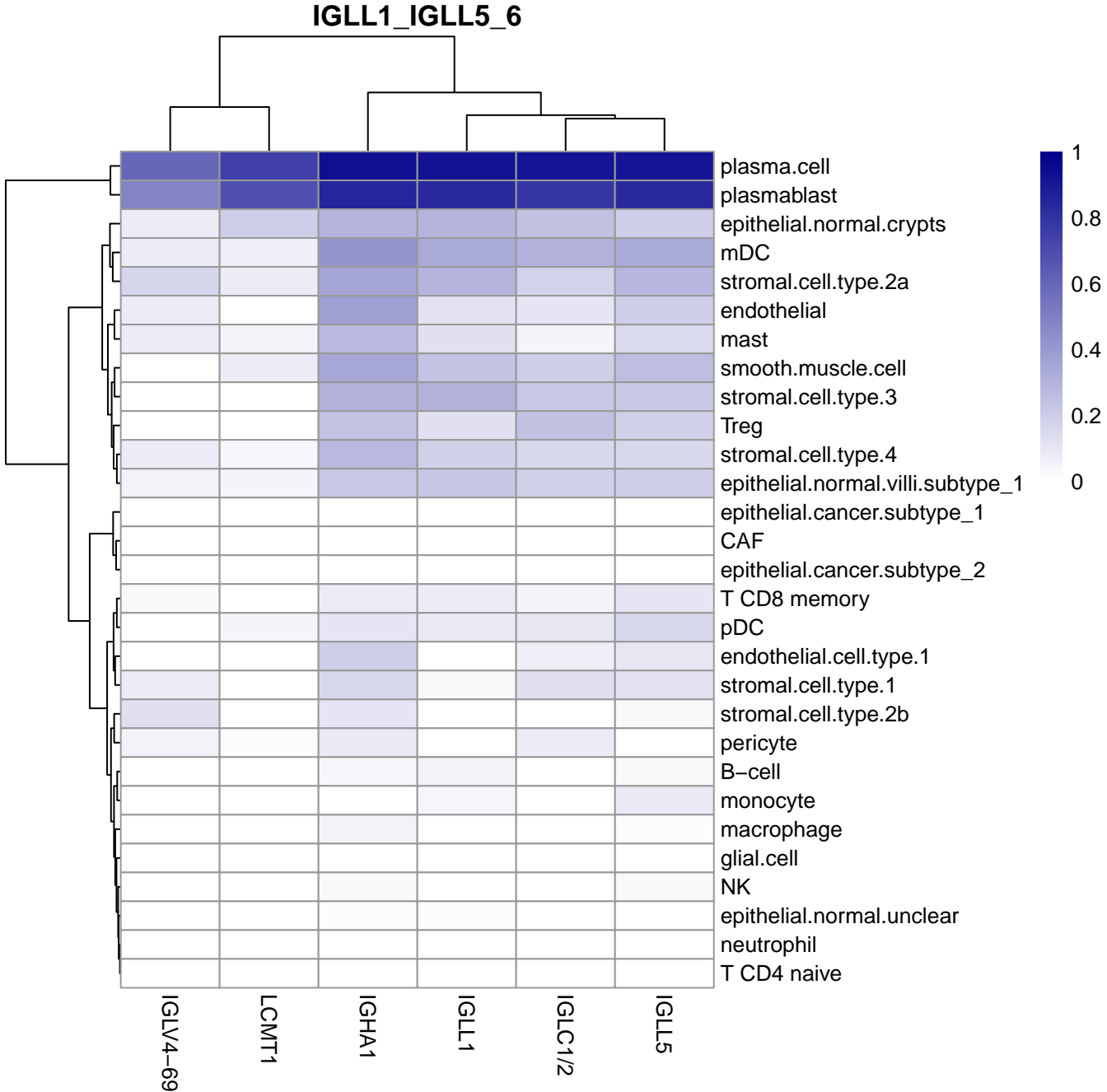


# MHC I\_B2M\_6

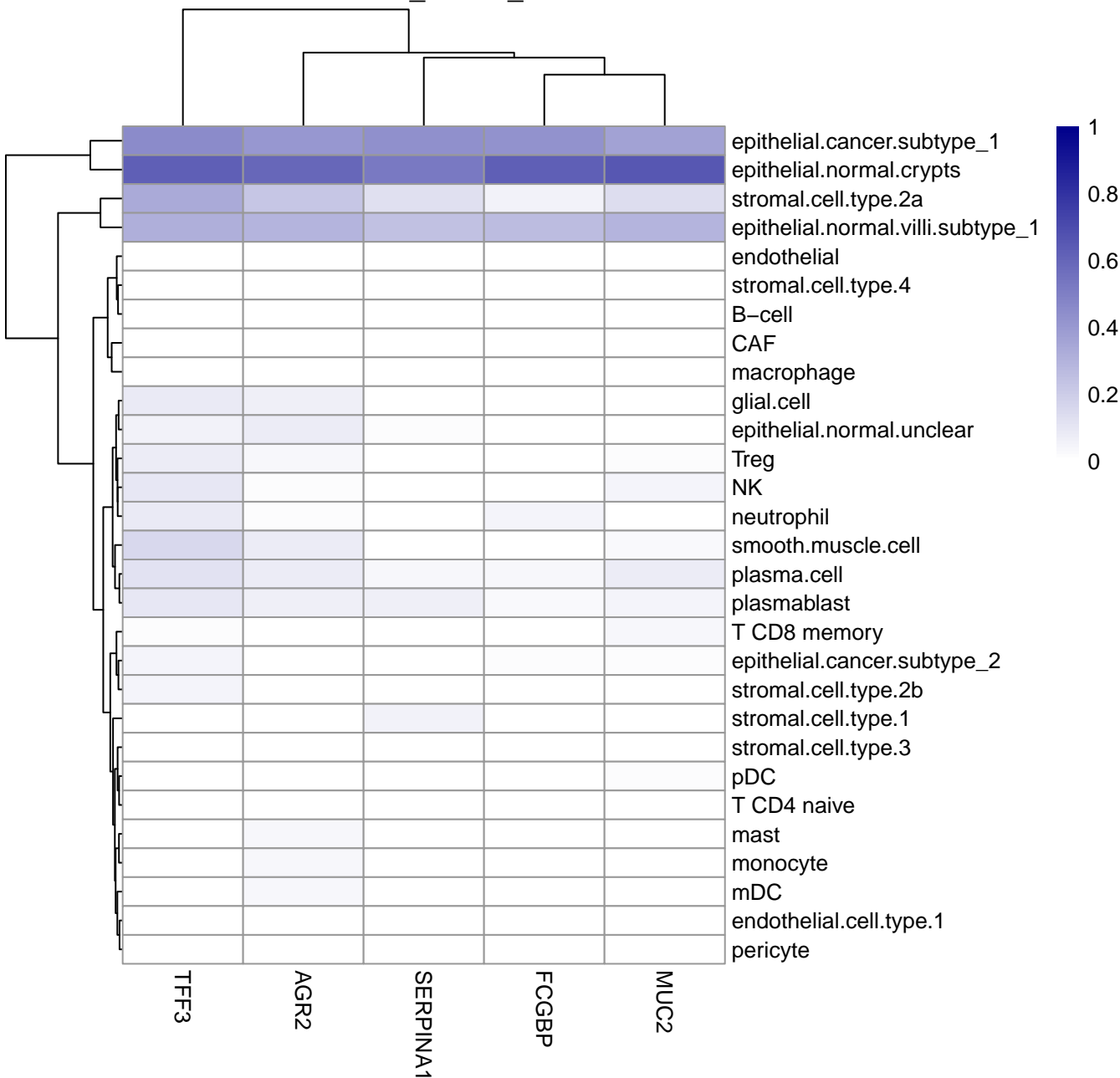


# TMSB4X\_CALM2\_6

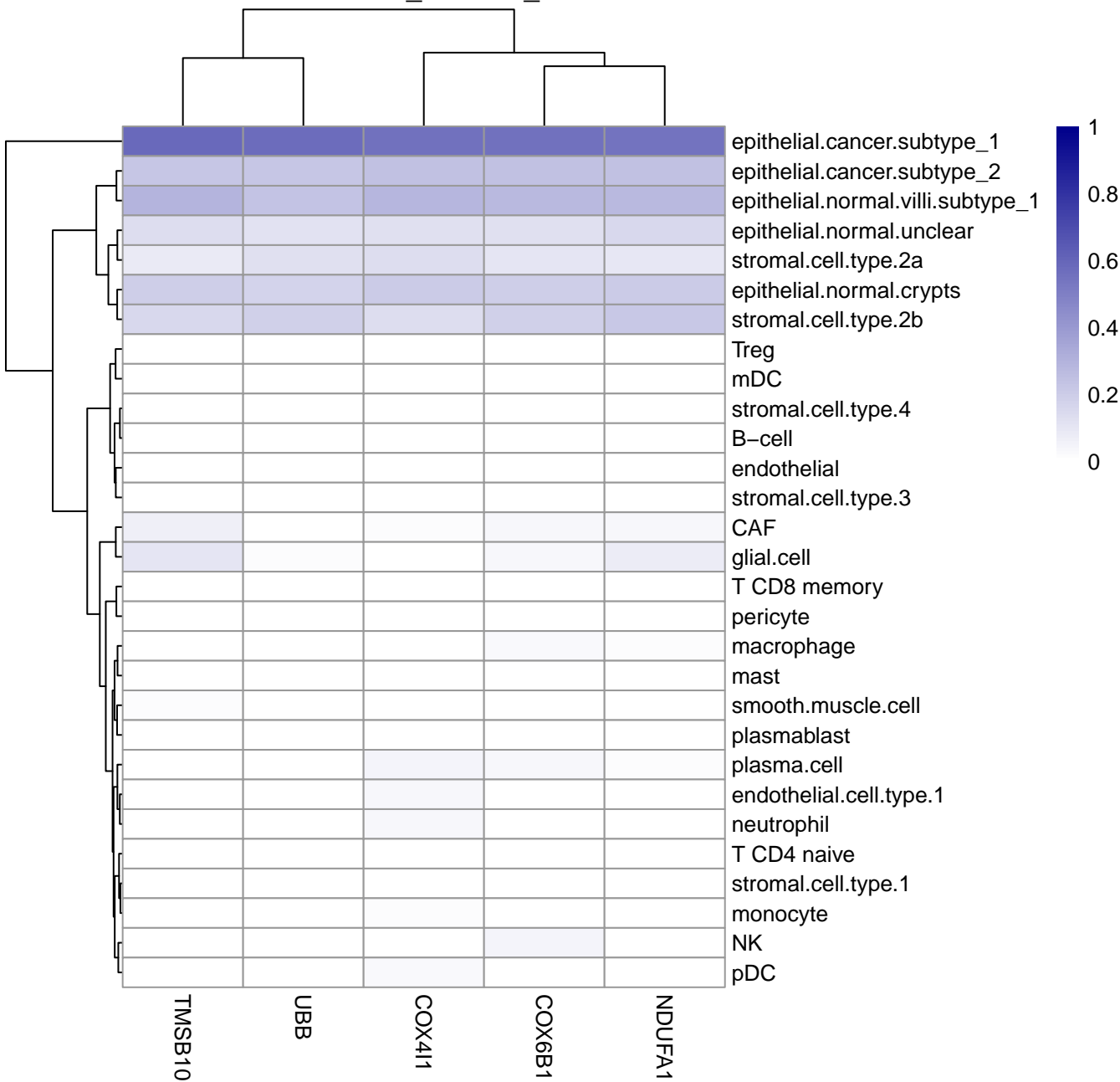




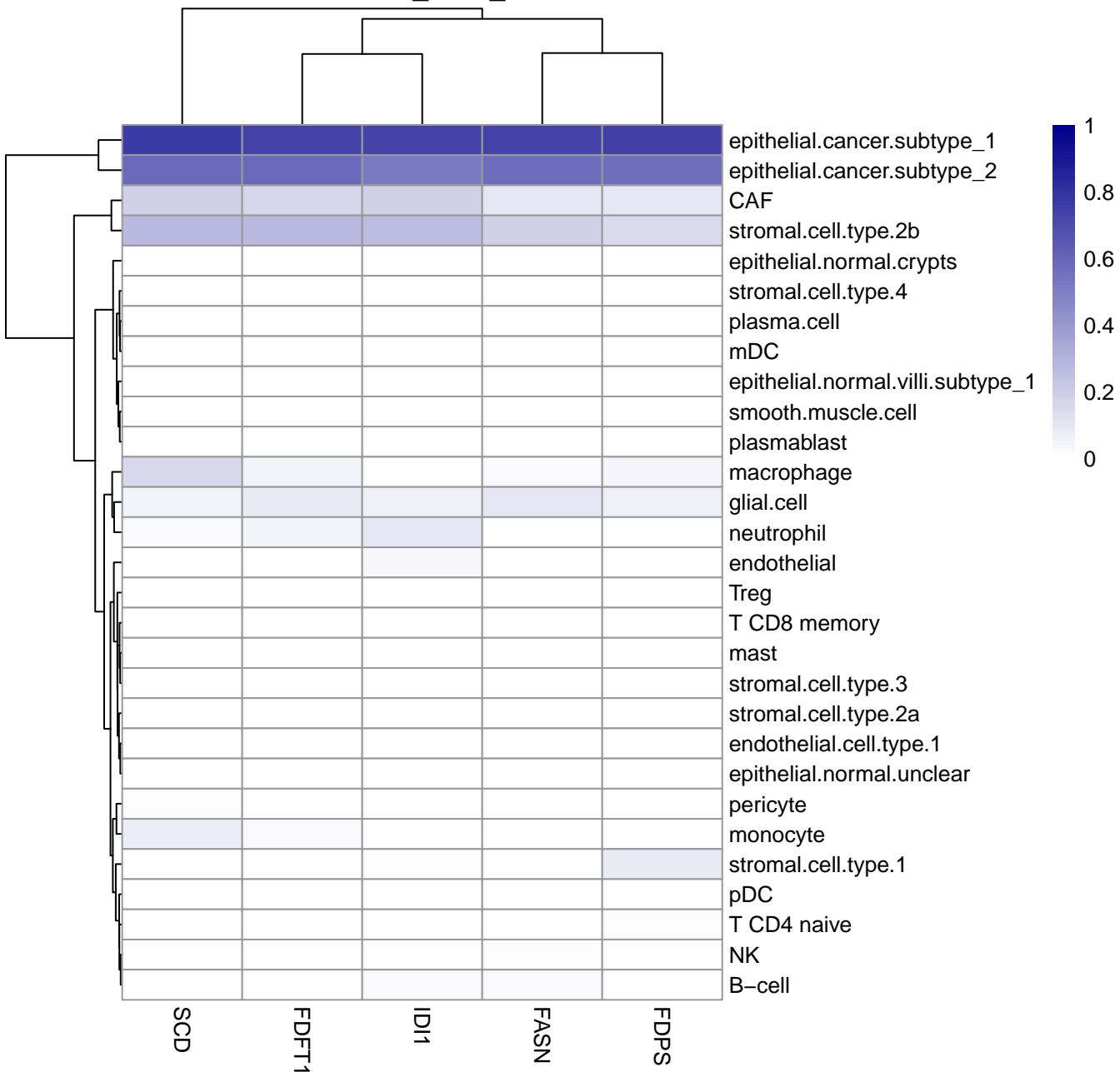
# FCGBP MUC2 5



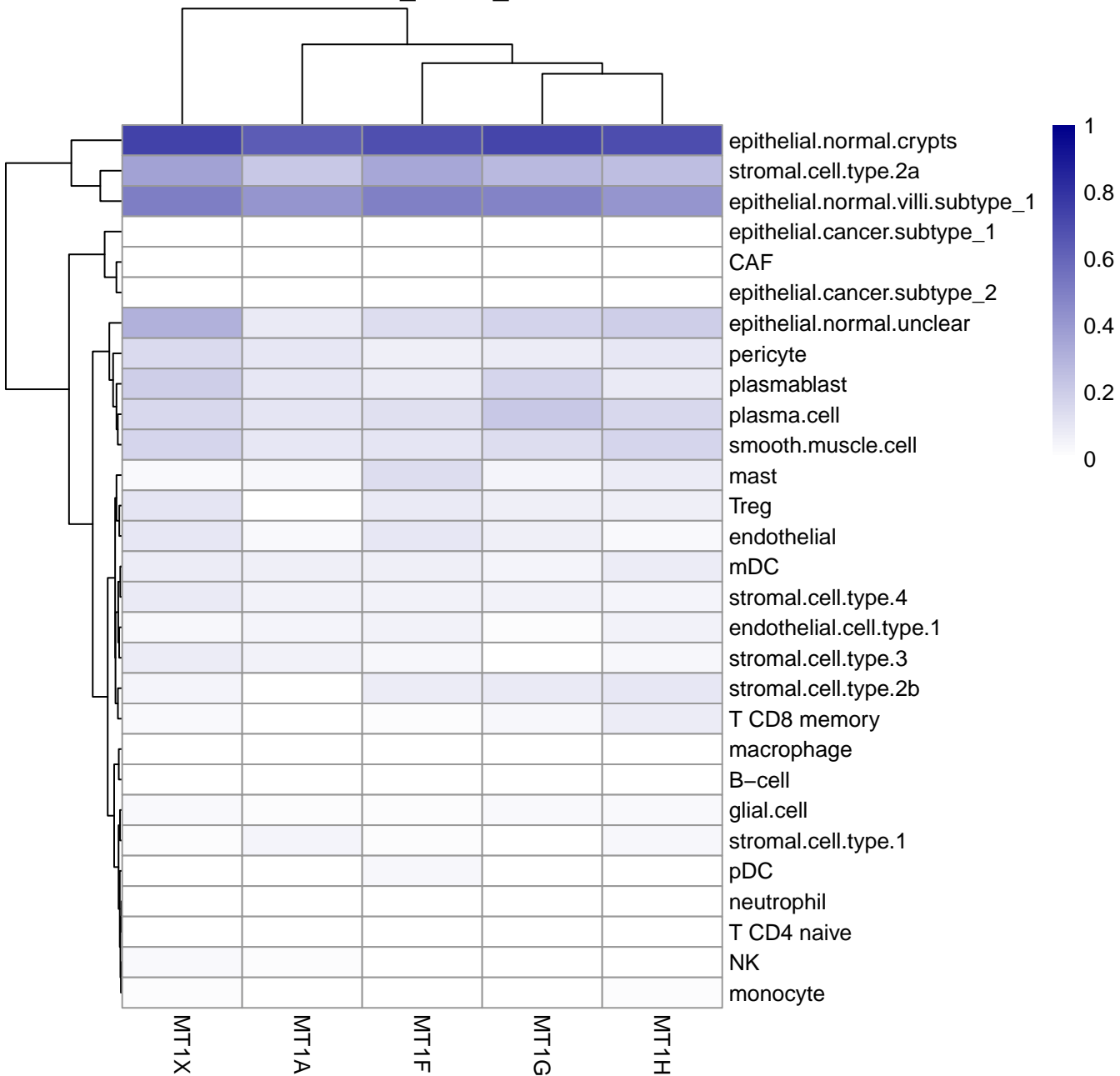
# TMSB10\_COX4I1\_5



# FDFT1\_SCD\_5

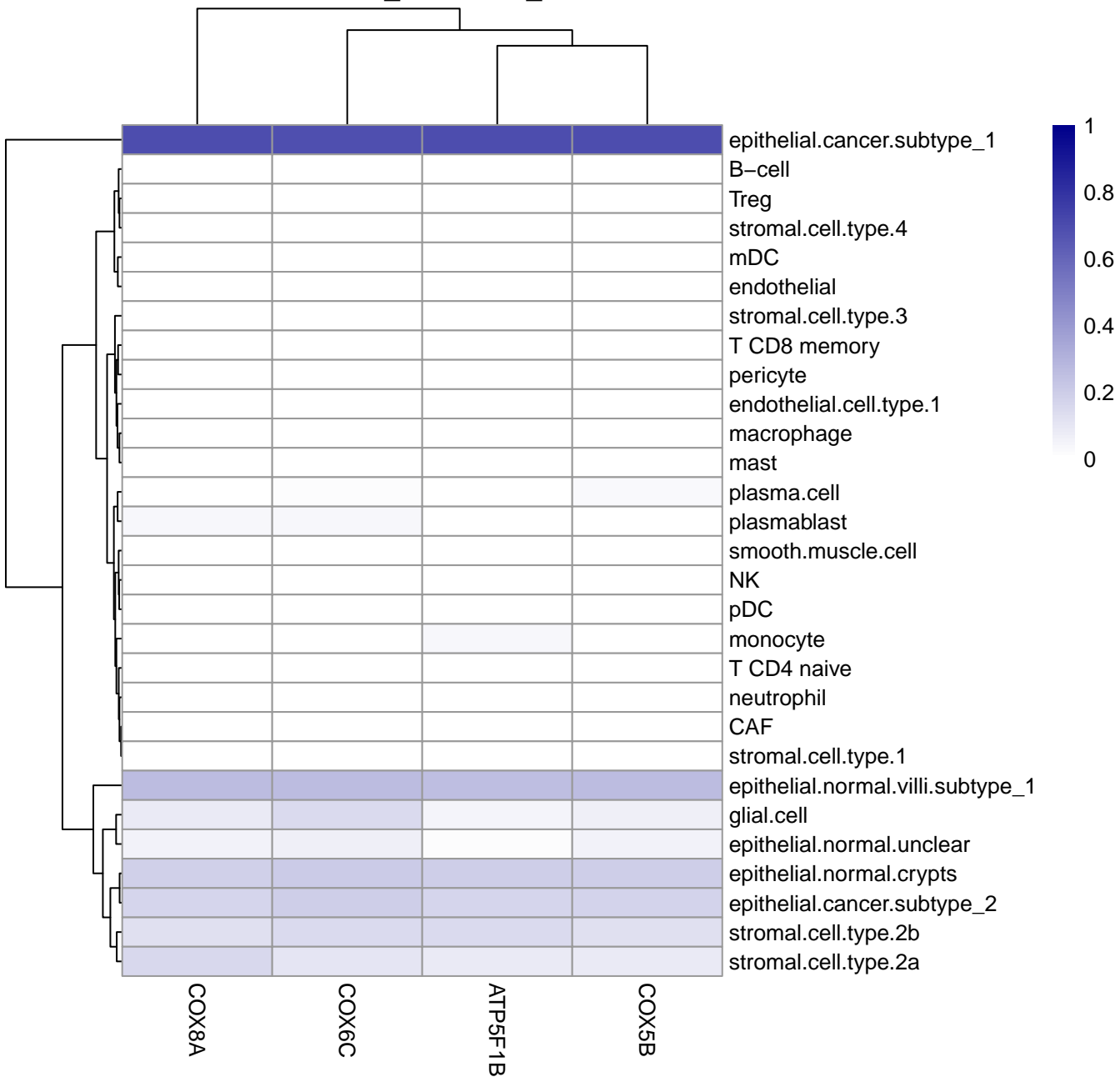


# MT1G\_MT1X\_5

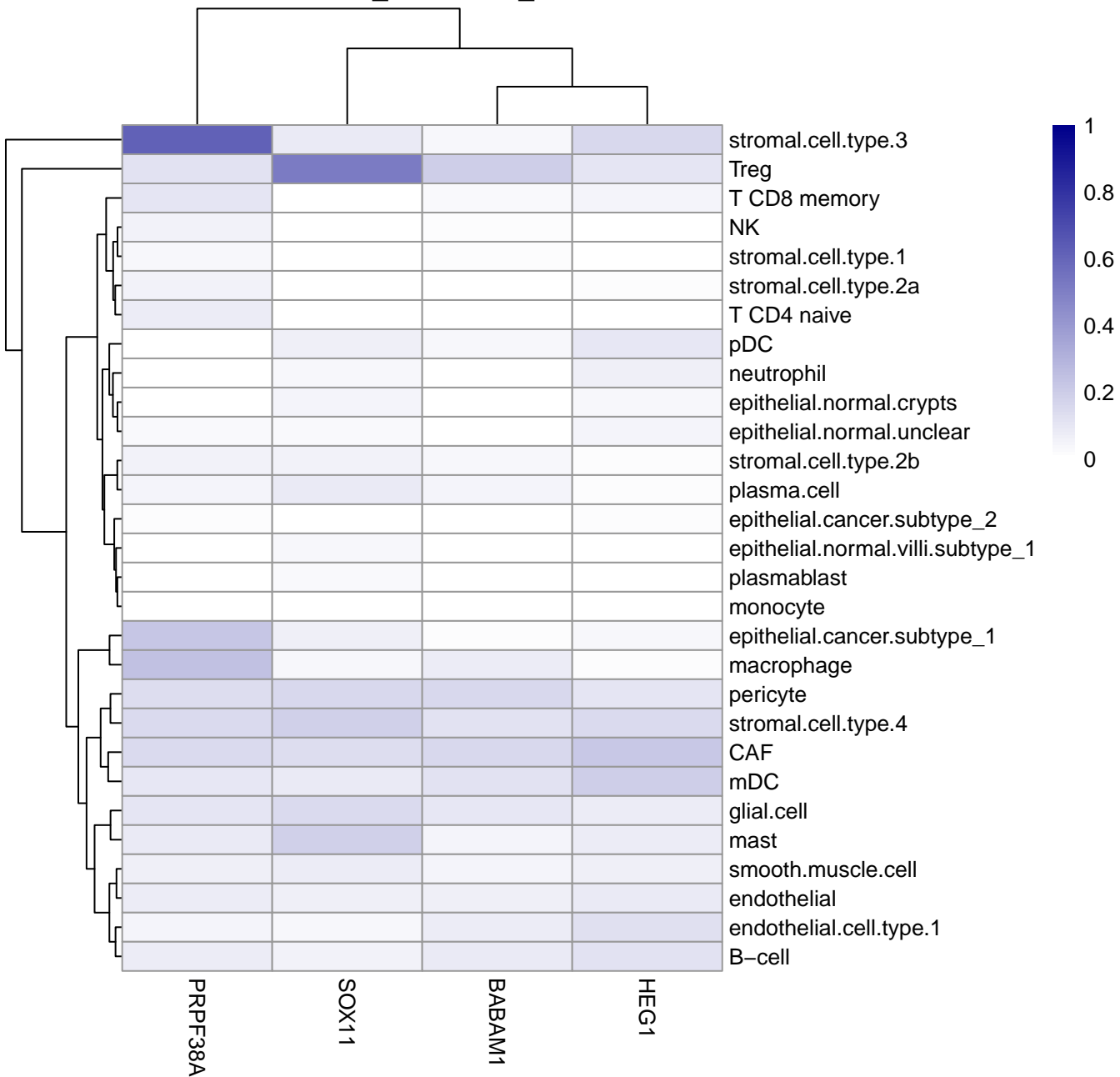


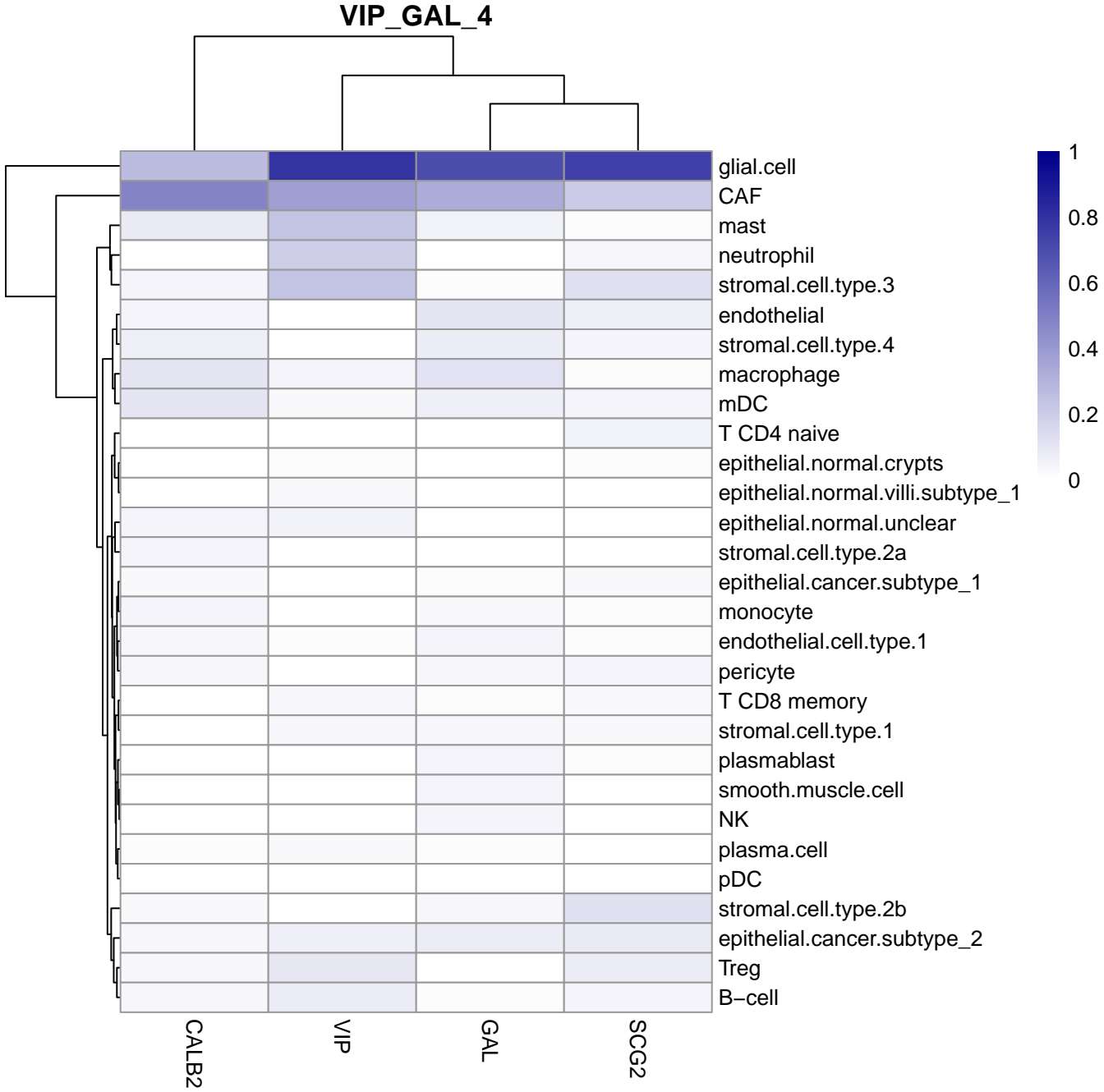


**COX8A\_ATP5F1B\_4**

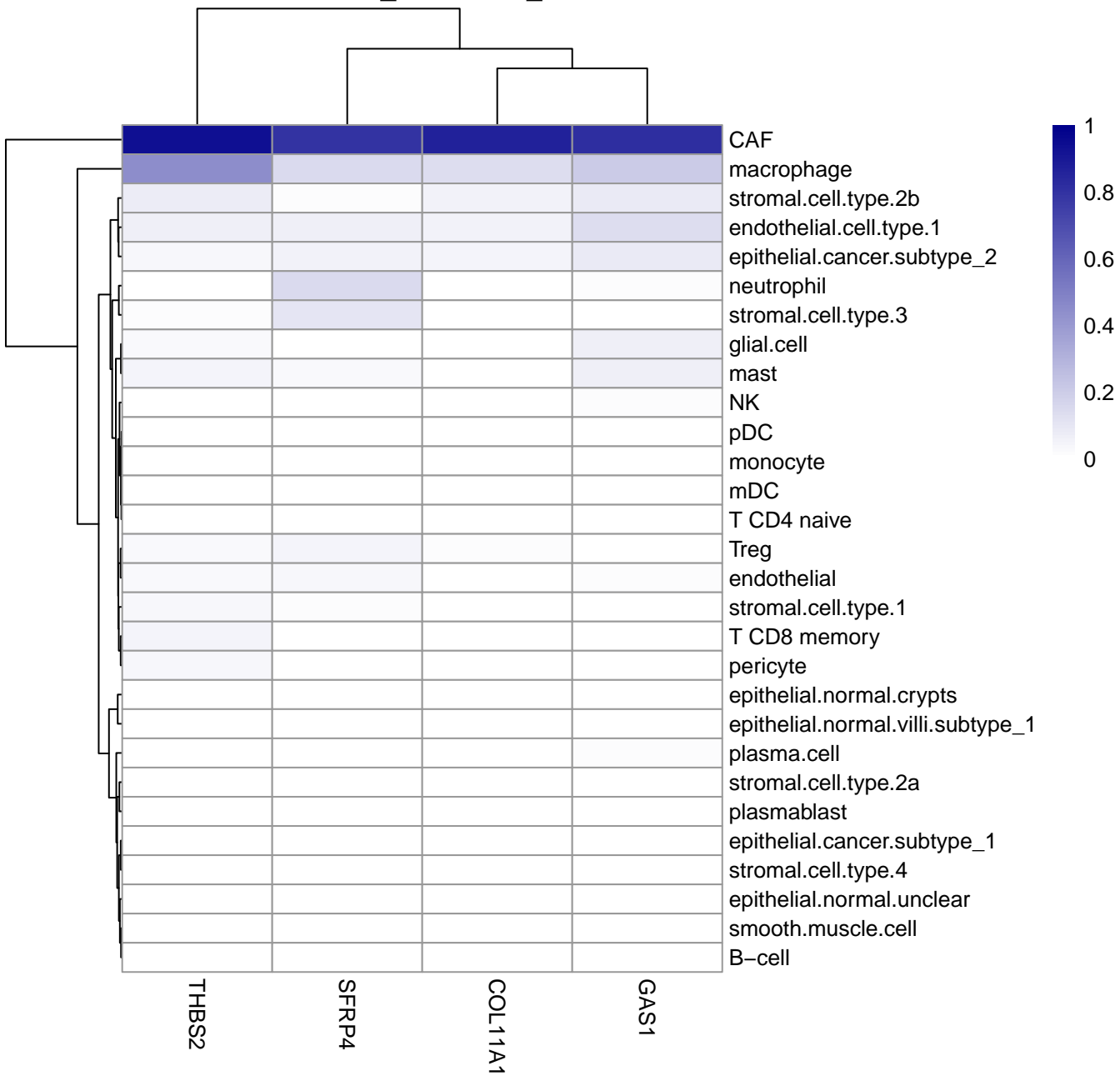


# HEG1\_PRPF38A\_4

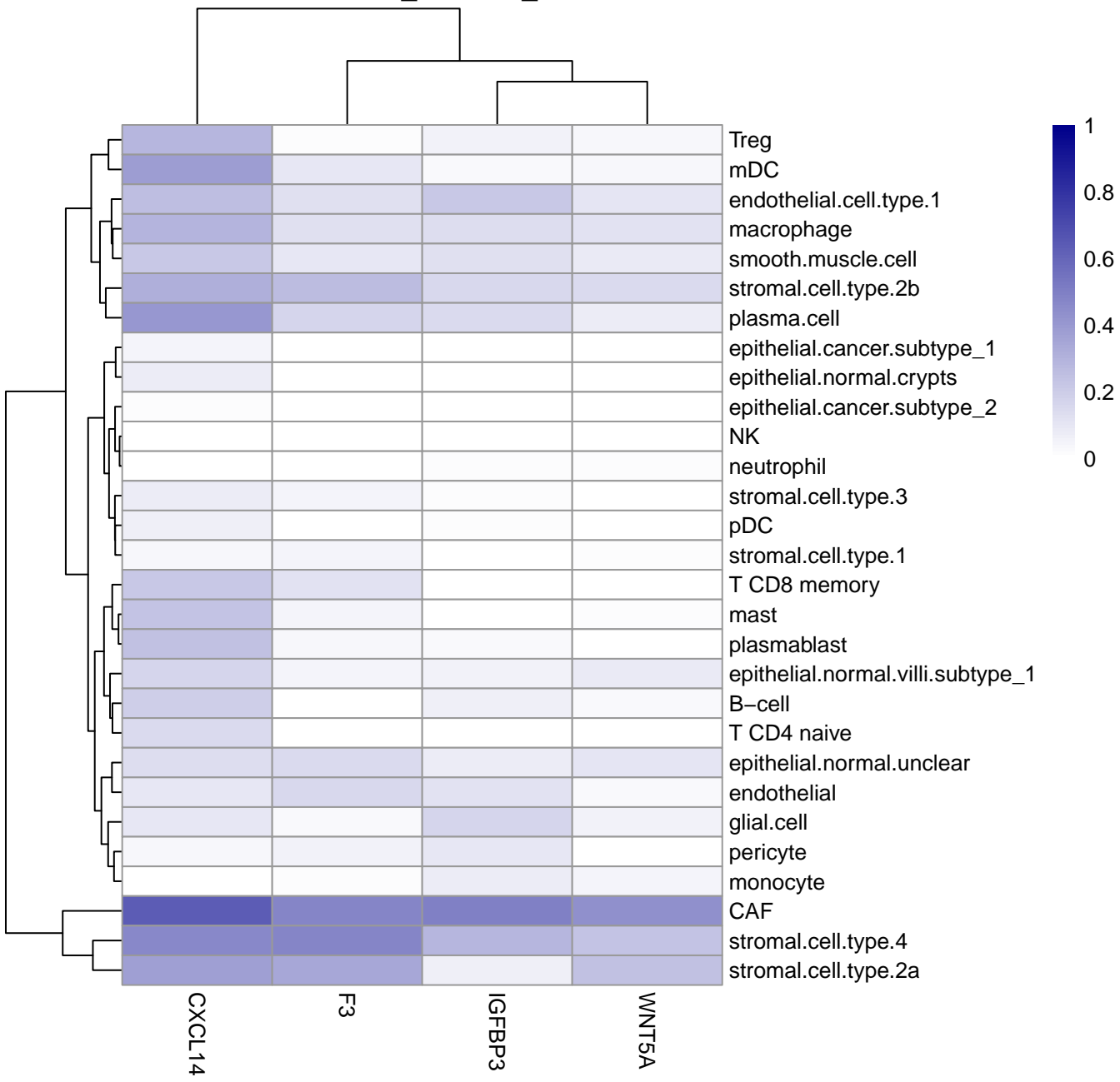




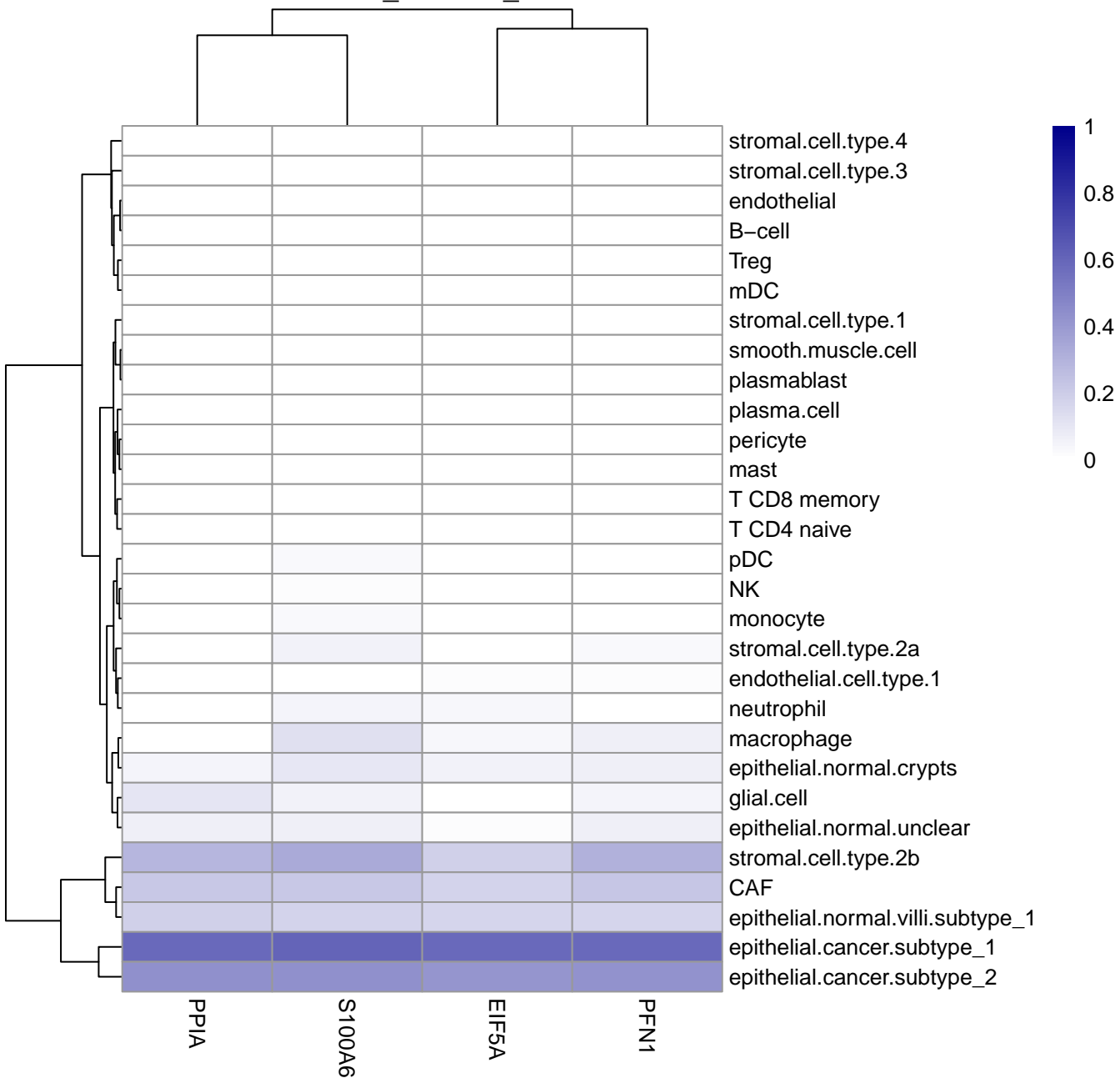
# THBS2\_COL11A1\_4



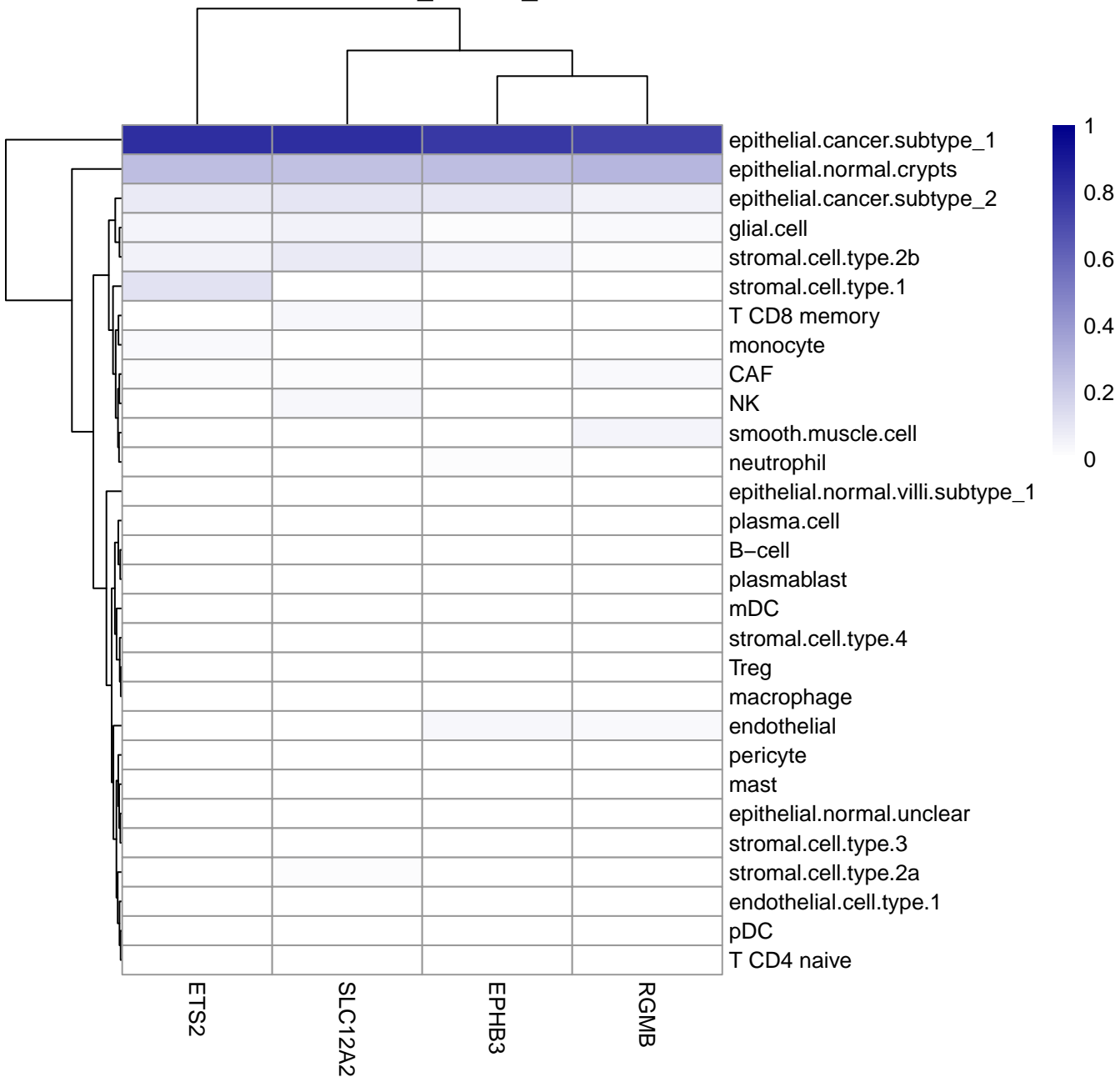
# CXCL14\_IGFBP3\_4



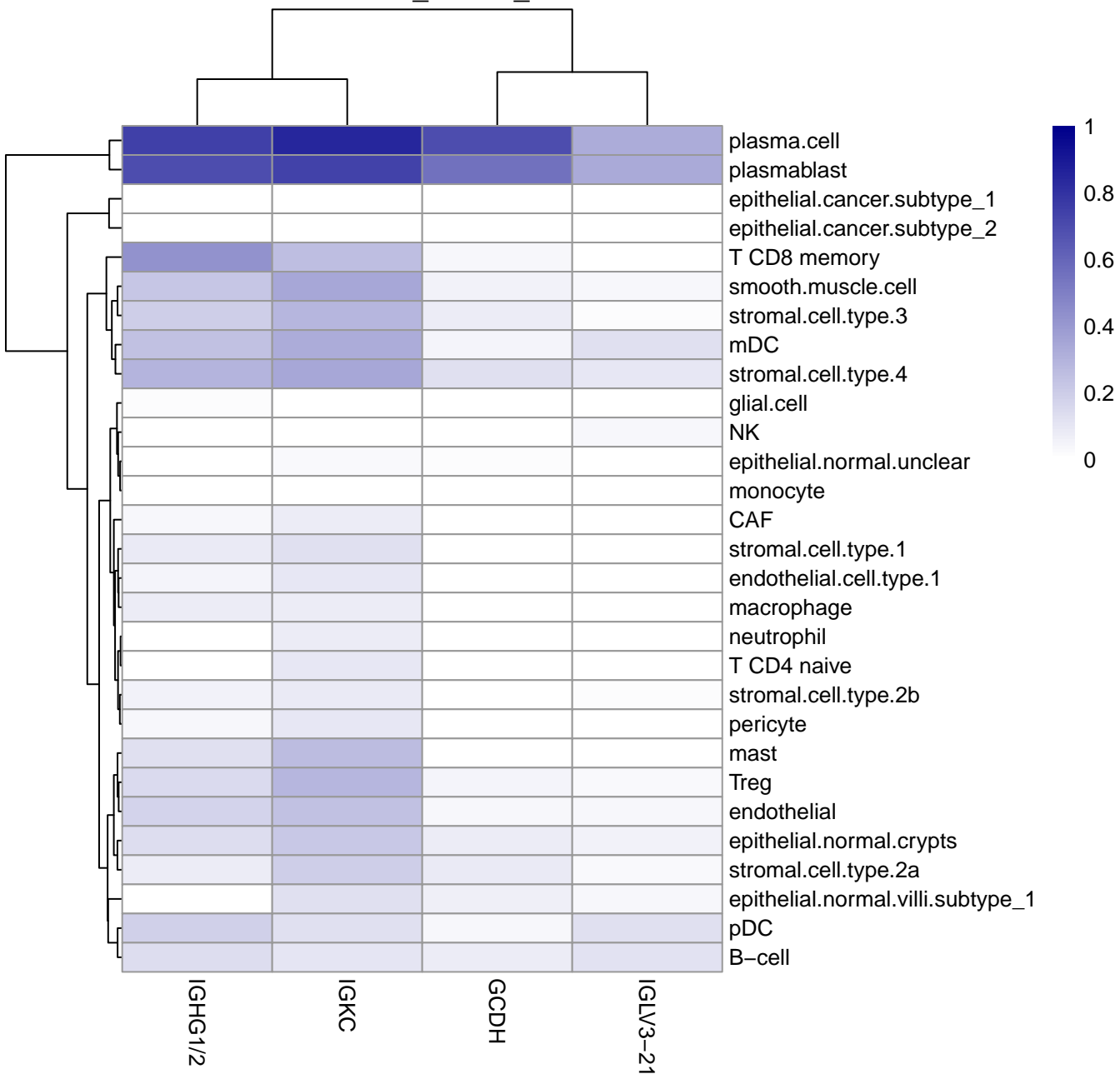
# PFN1\_S100A6\_4



# SLC12A2\_RGMB\_4

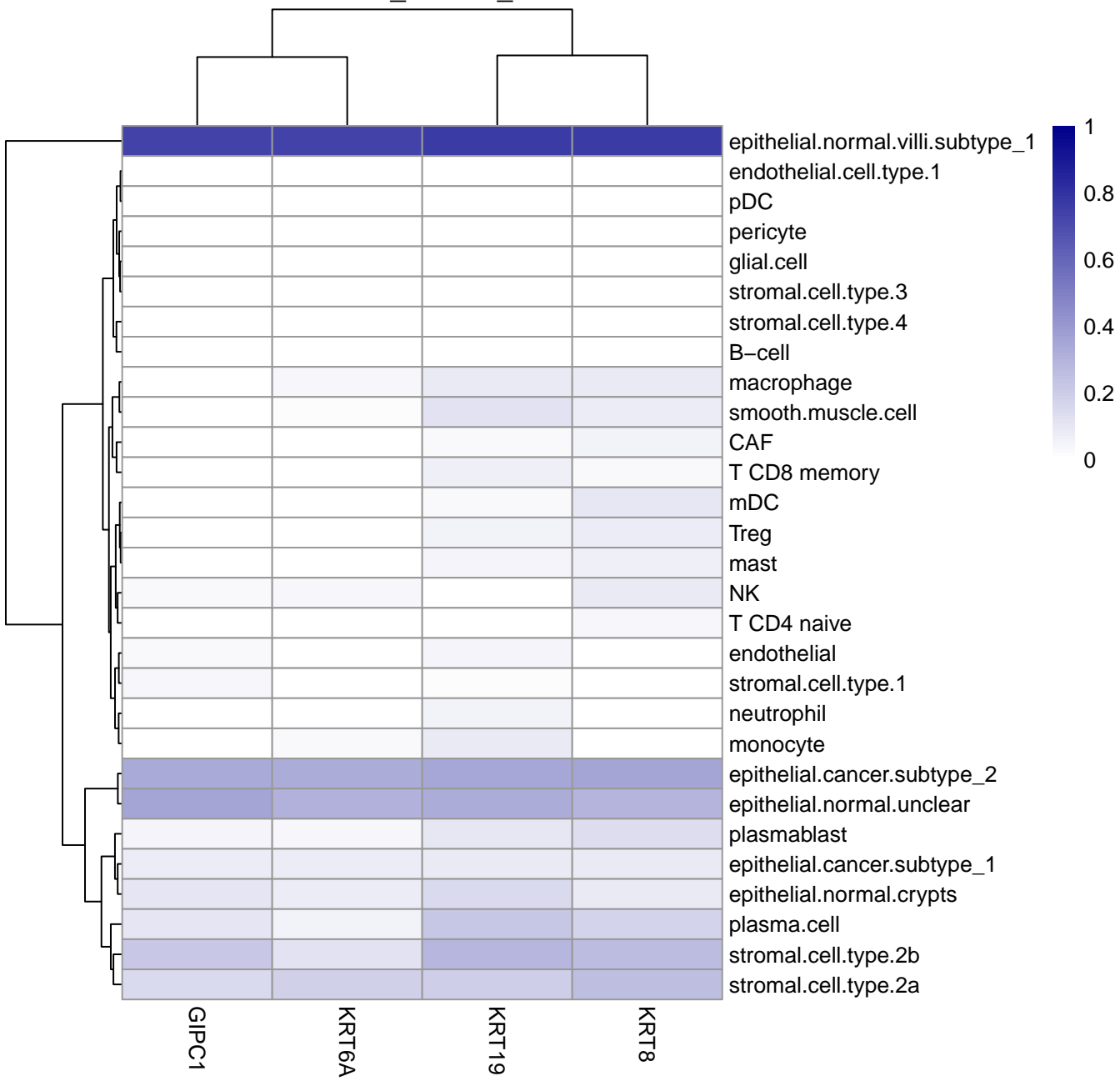


# IGHG1/2\_GCDH\_4

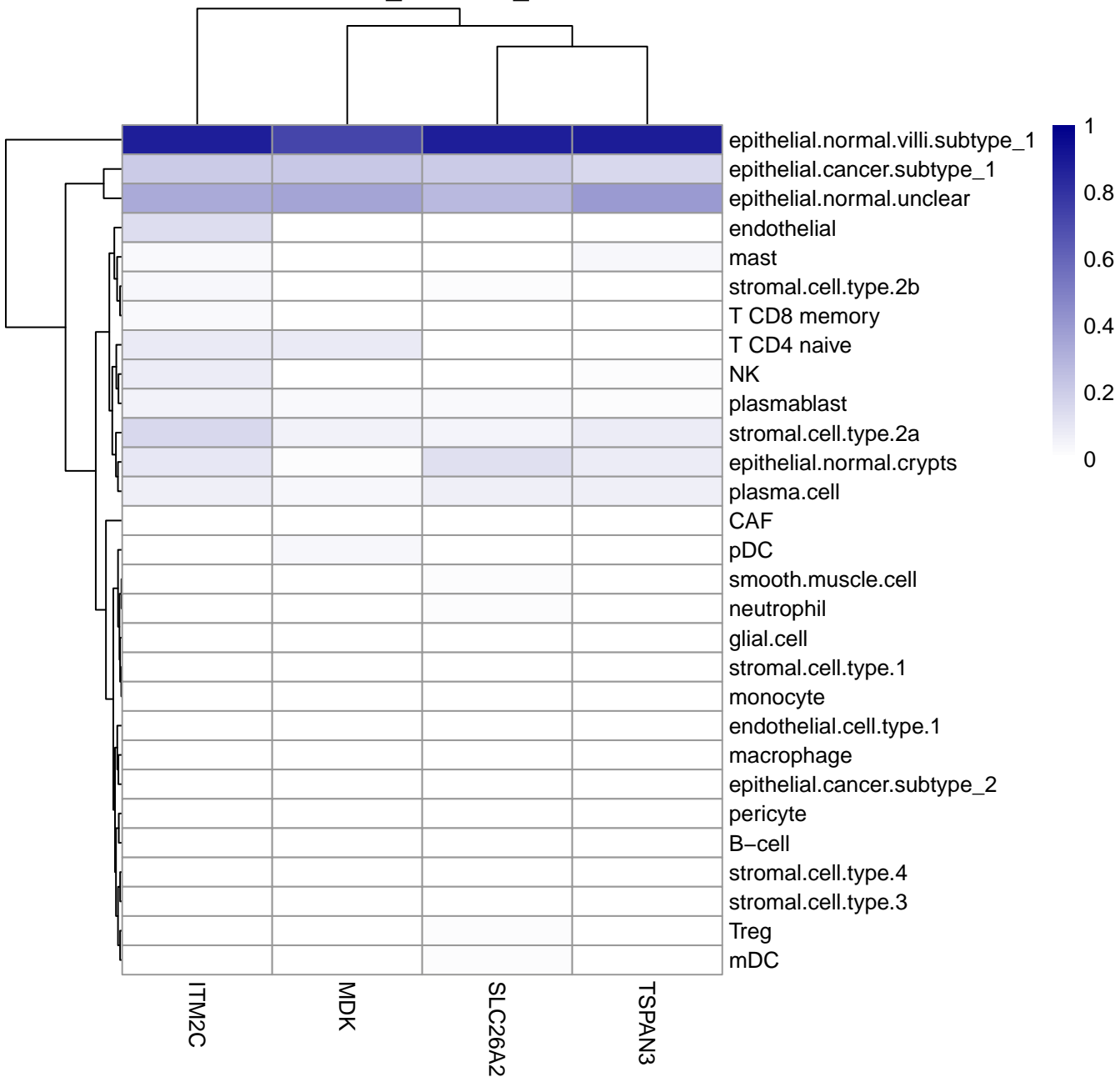




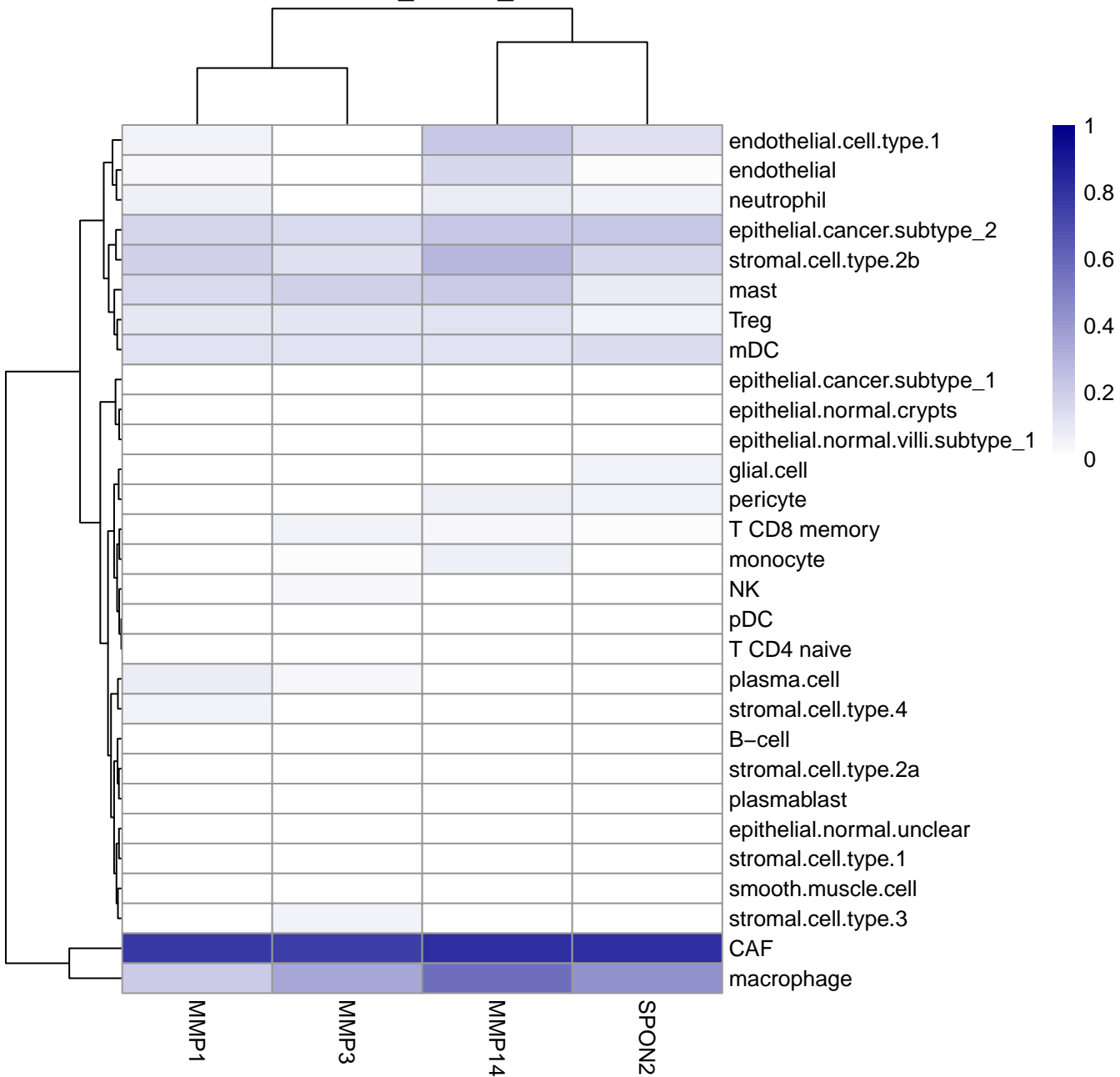
# KRT8\_KRT19\_4



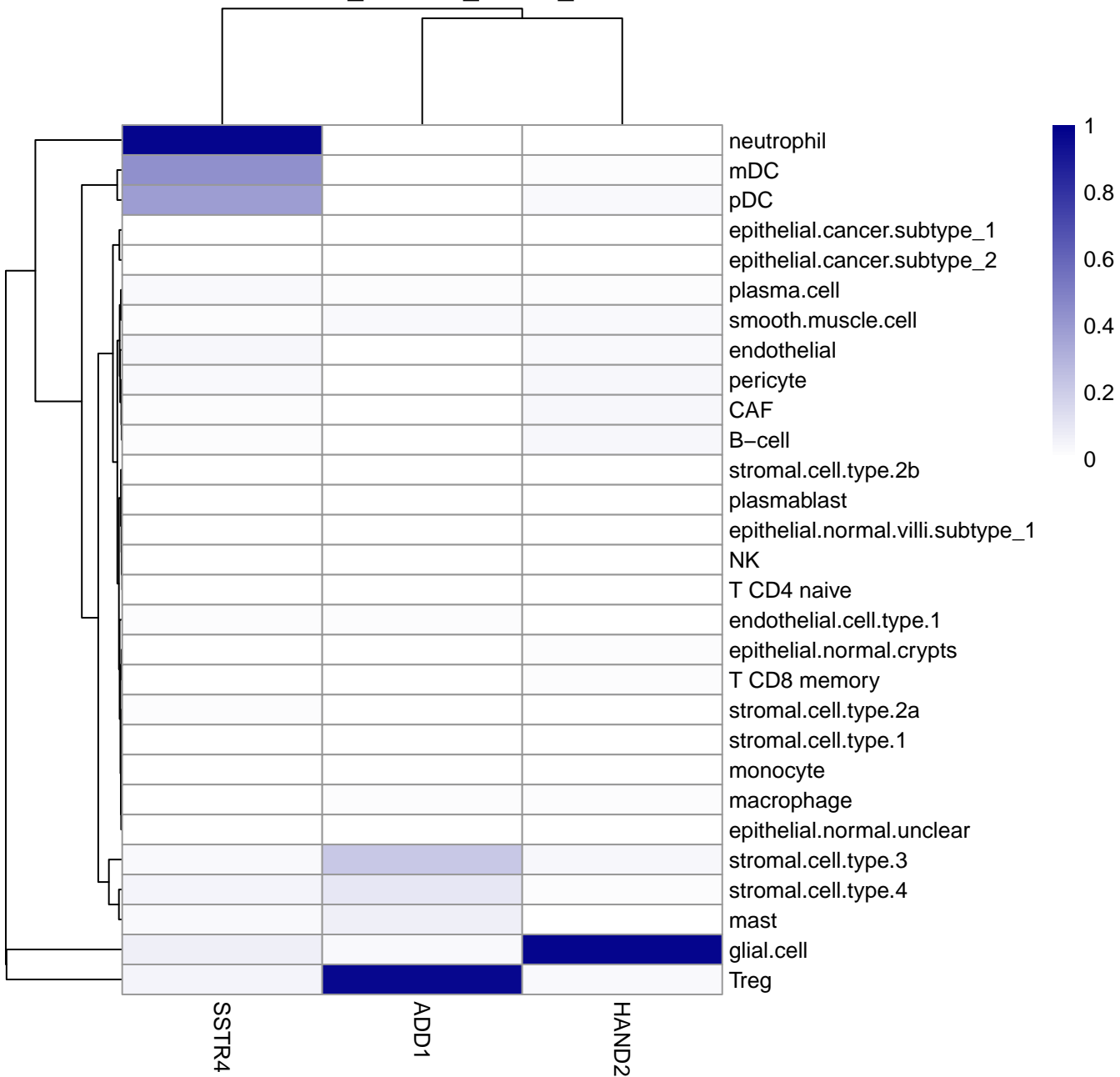
# ITM2C\_TSPAN3\_4



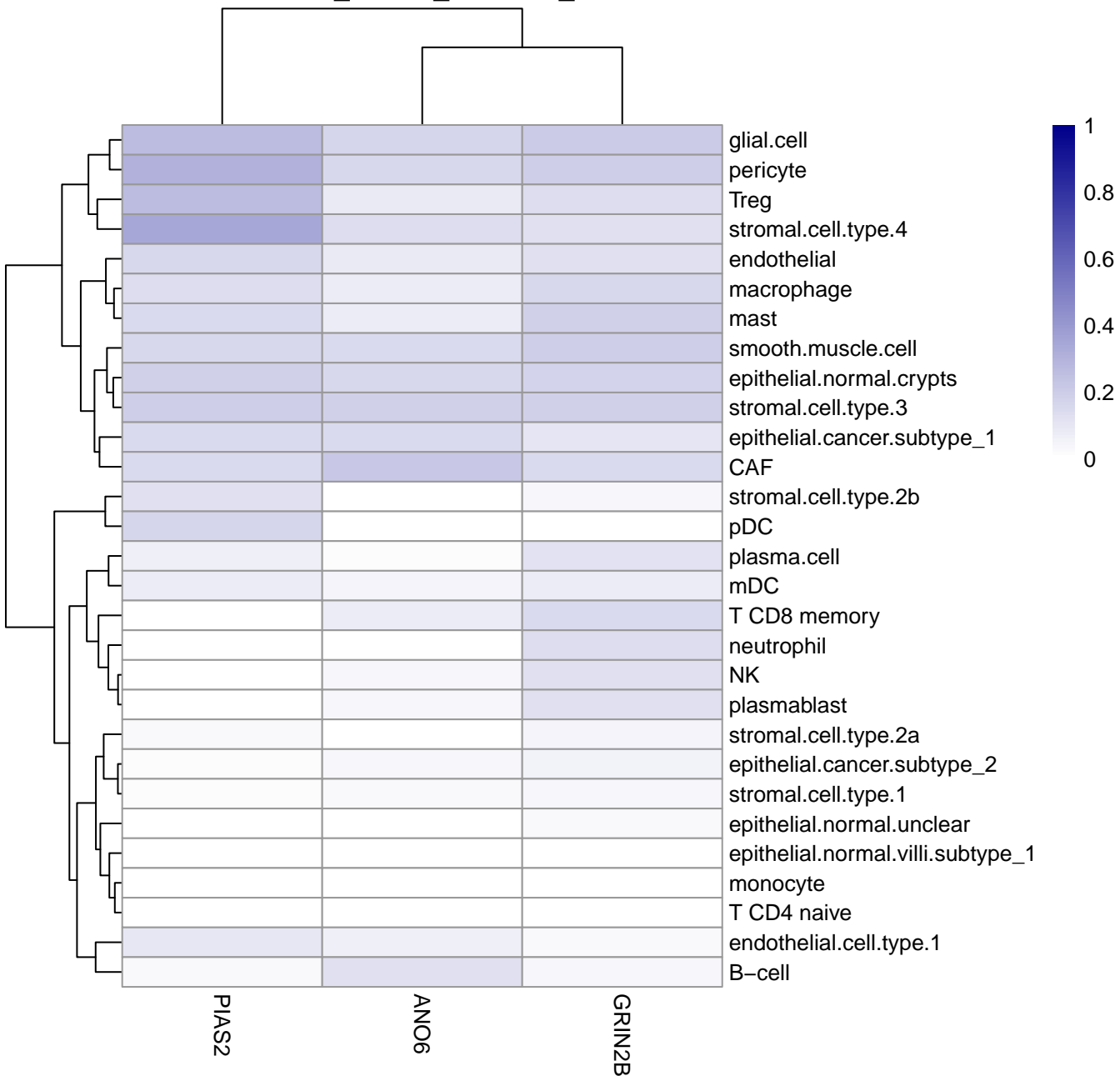
# MMP1\_MMP3\_4



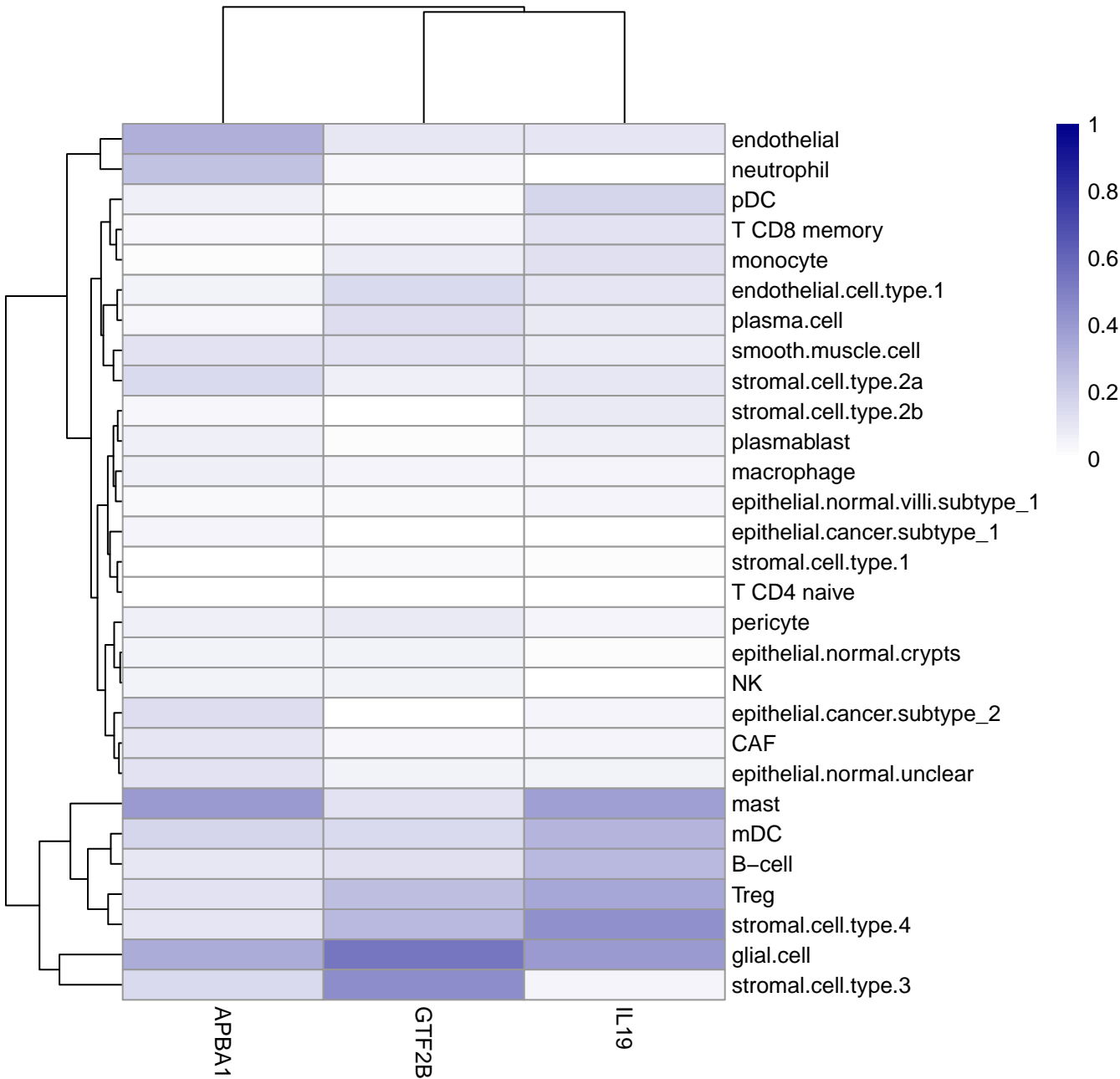
# SSTR4\_HAND2\_ADD1\_3



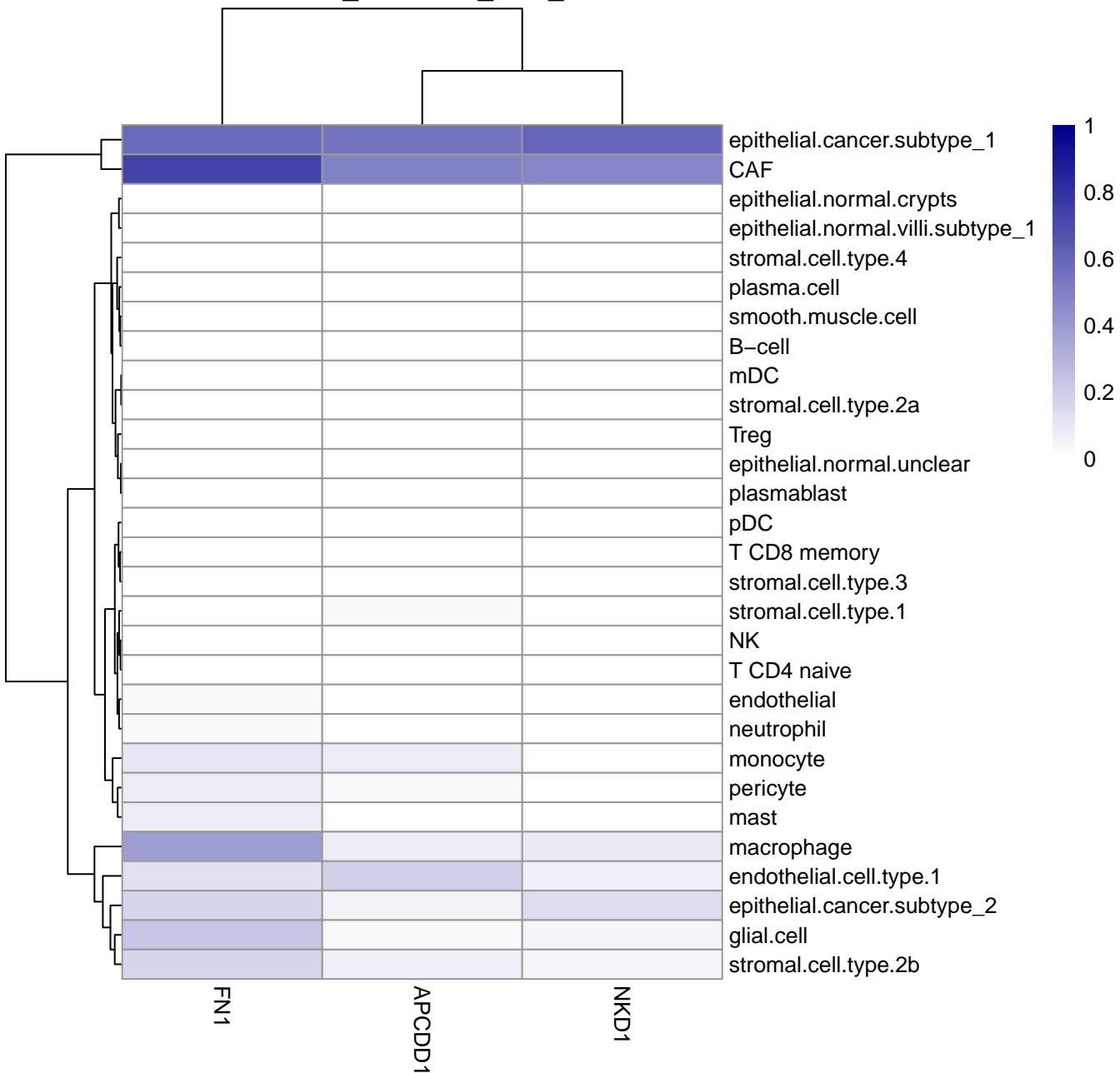
# ANO6\_PIAS2\_GRIN2B\_3



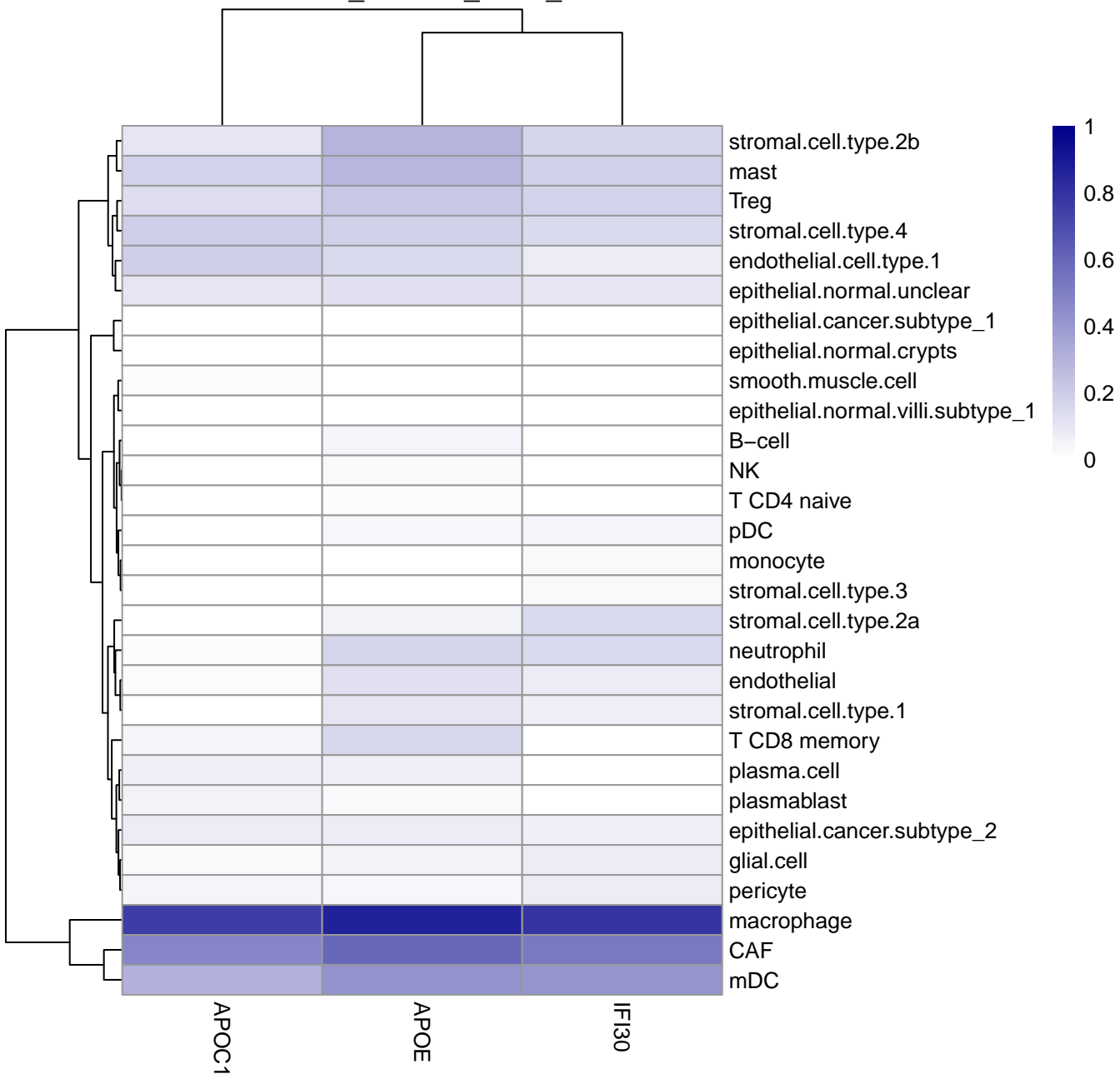
# GTF2B\_IL19\_APBA1\_3



# NKD1\_APCDD1\_FN1\_3

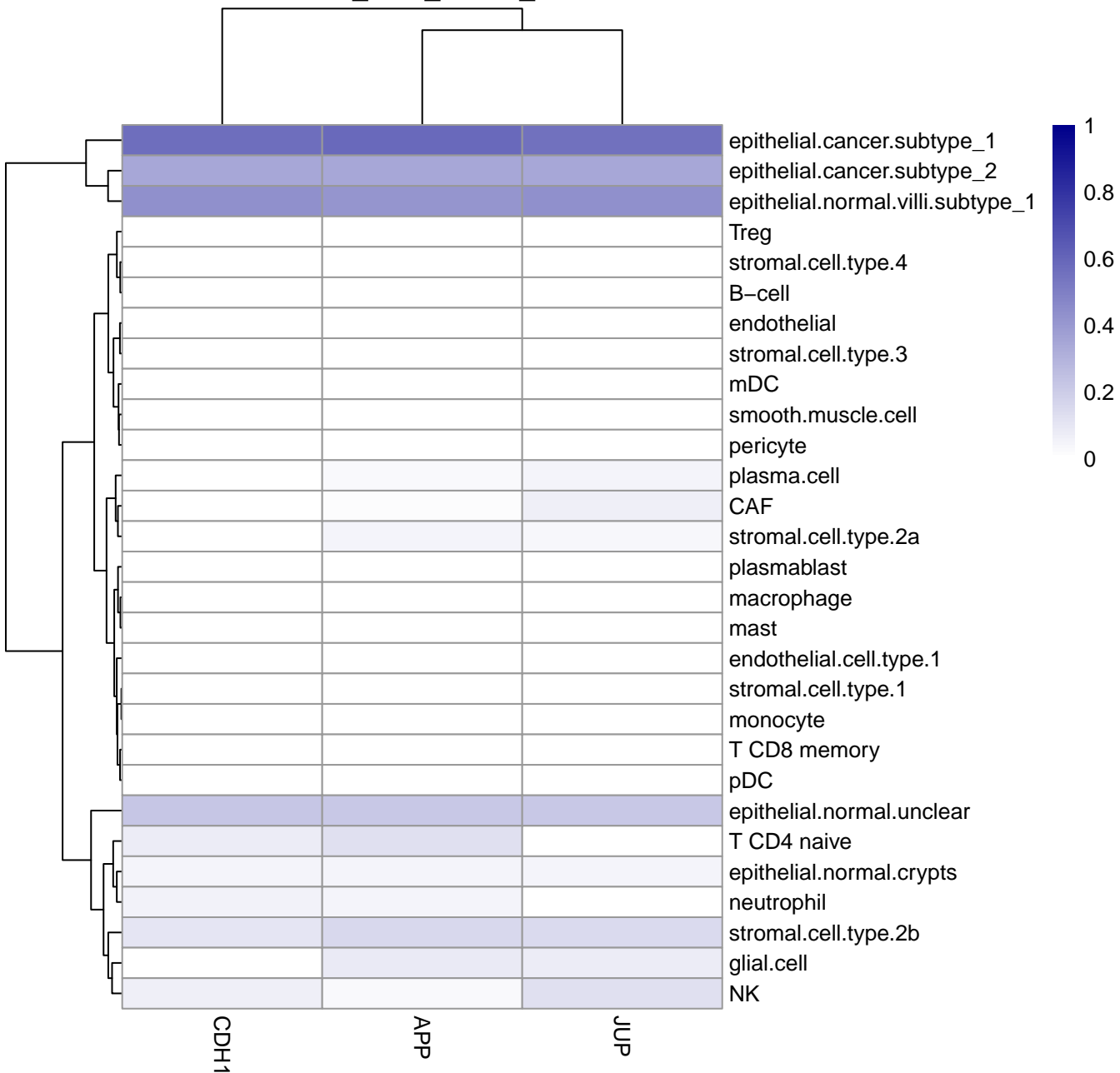


# APOE\_APOC1\_IFI30\_3

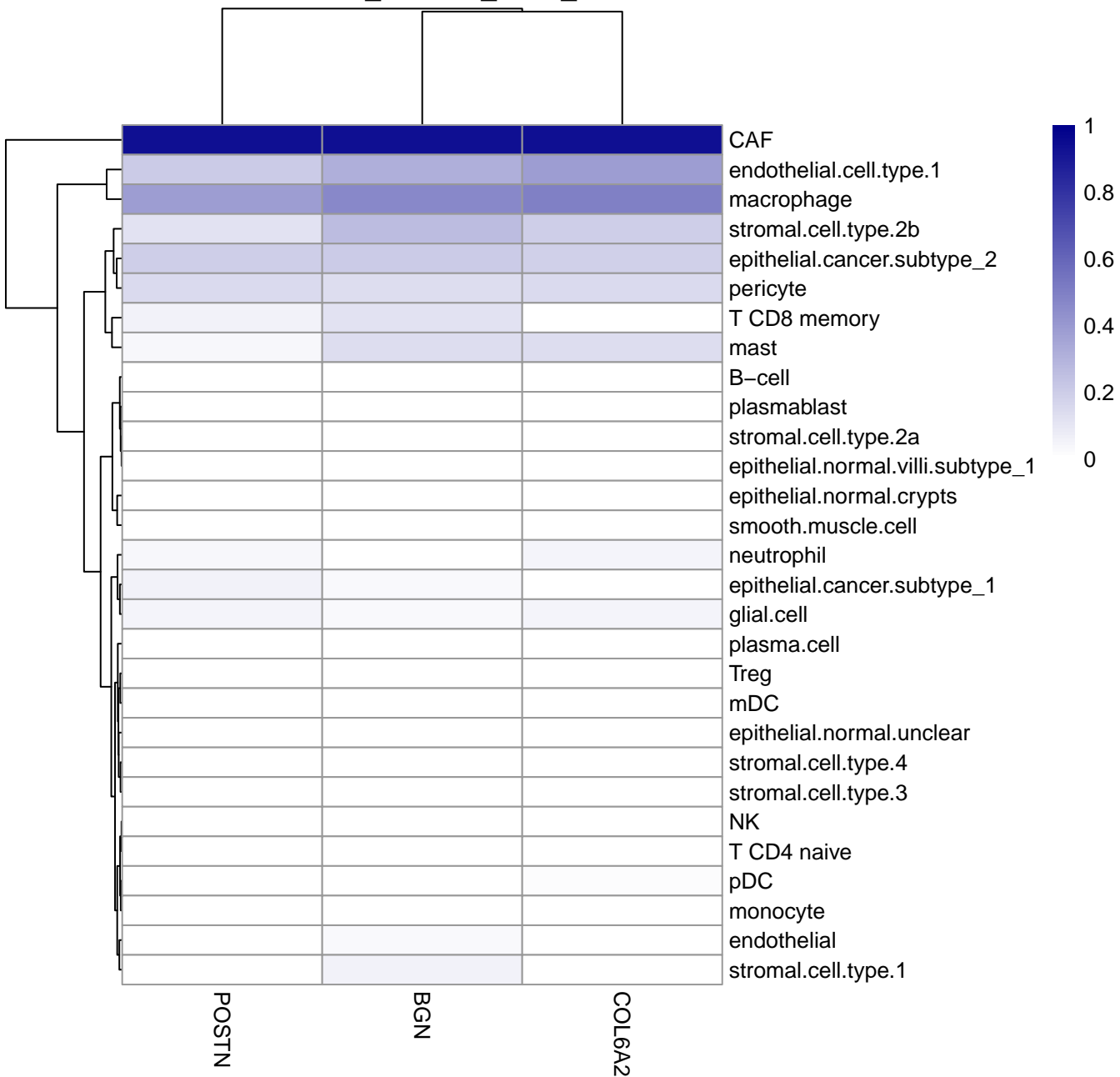




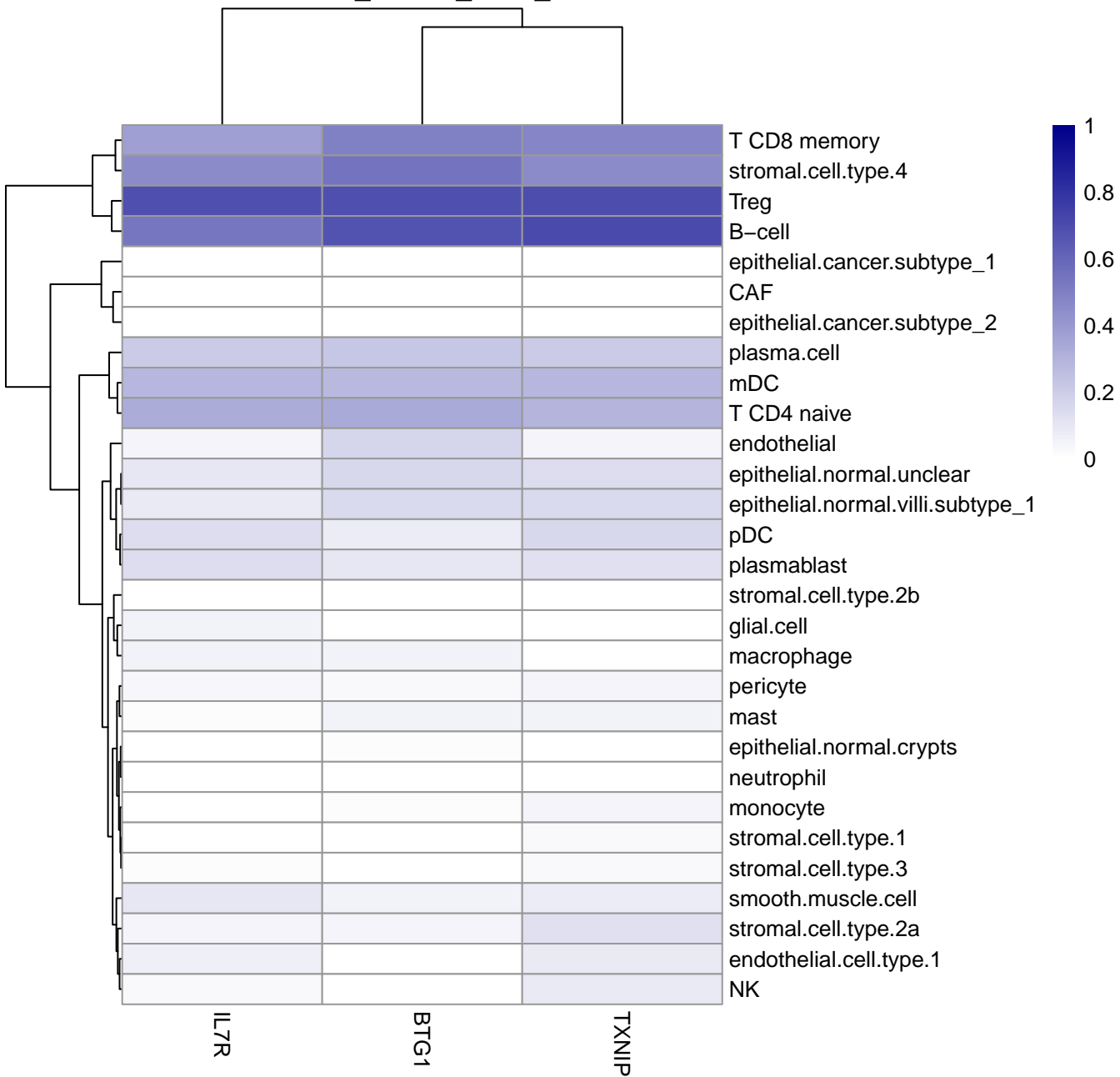
# APP\_JUP\_CDH1\_3



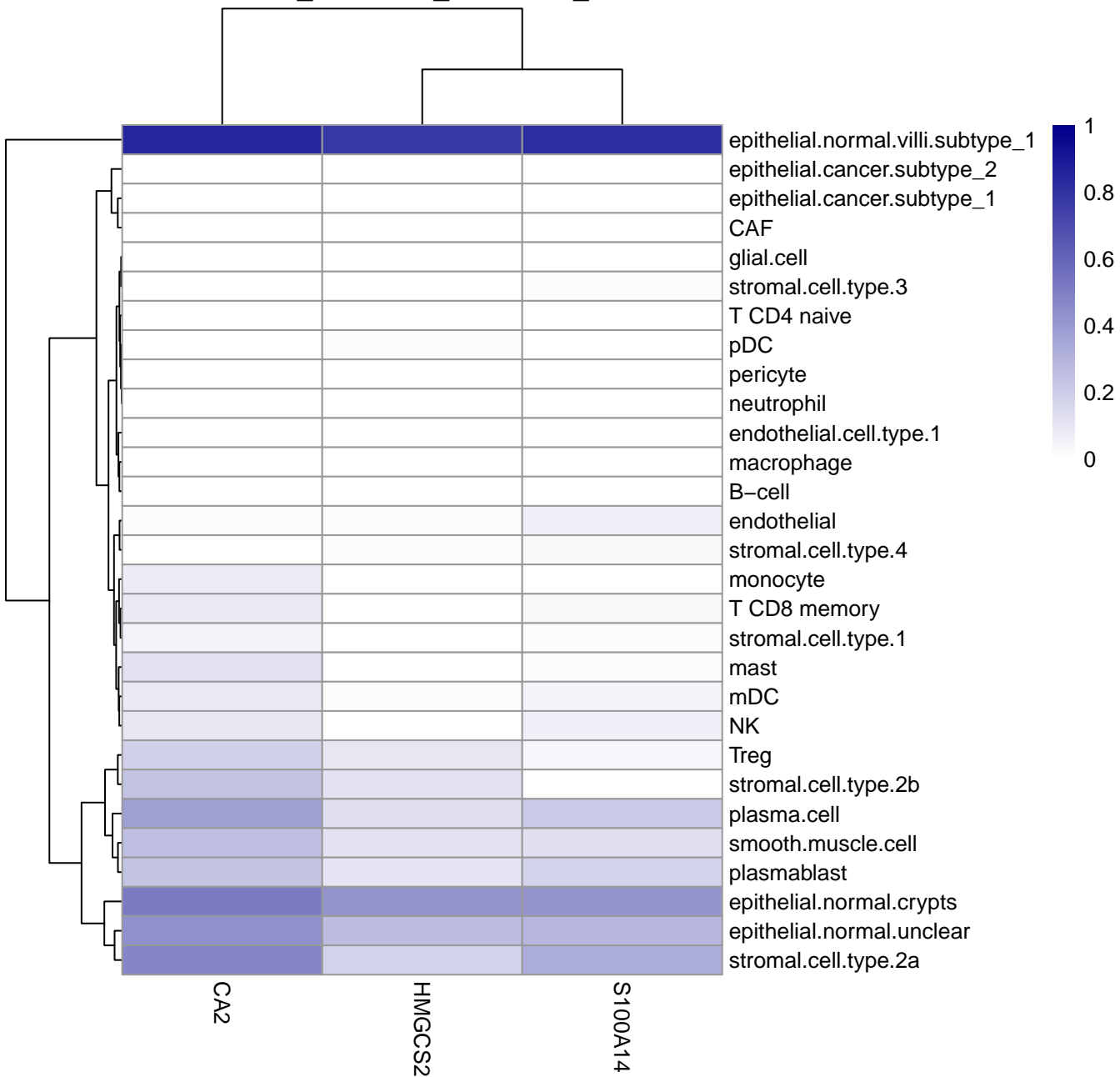
# COL6A2\_POSTN\_BGN\_3



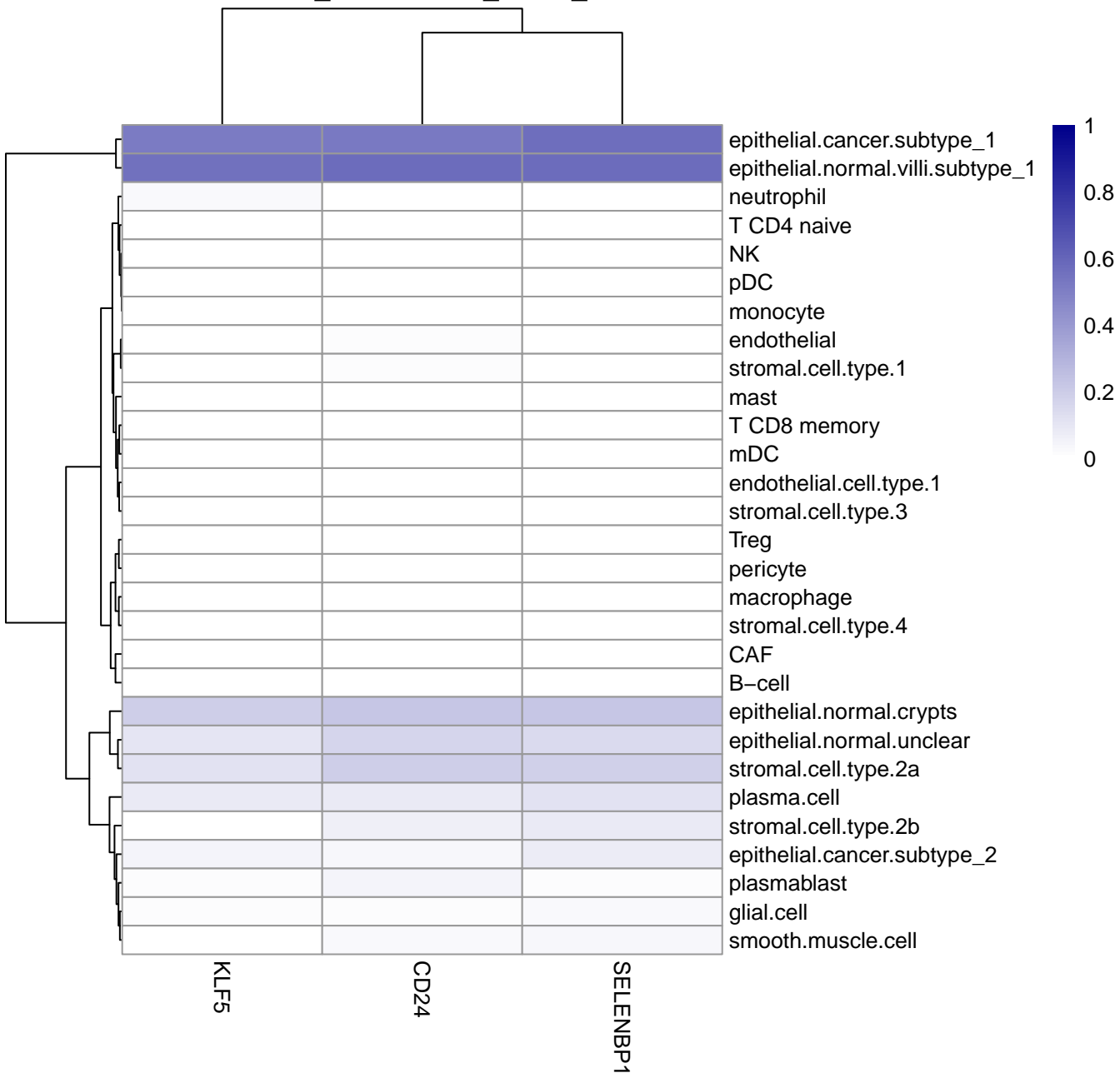
# BTG1\_TXNIP\_IL7R\_3



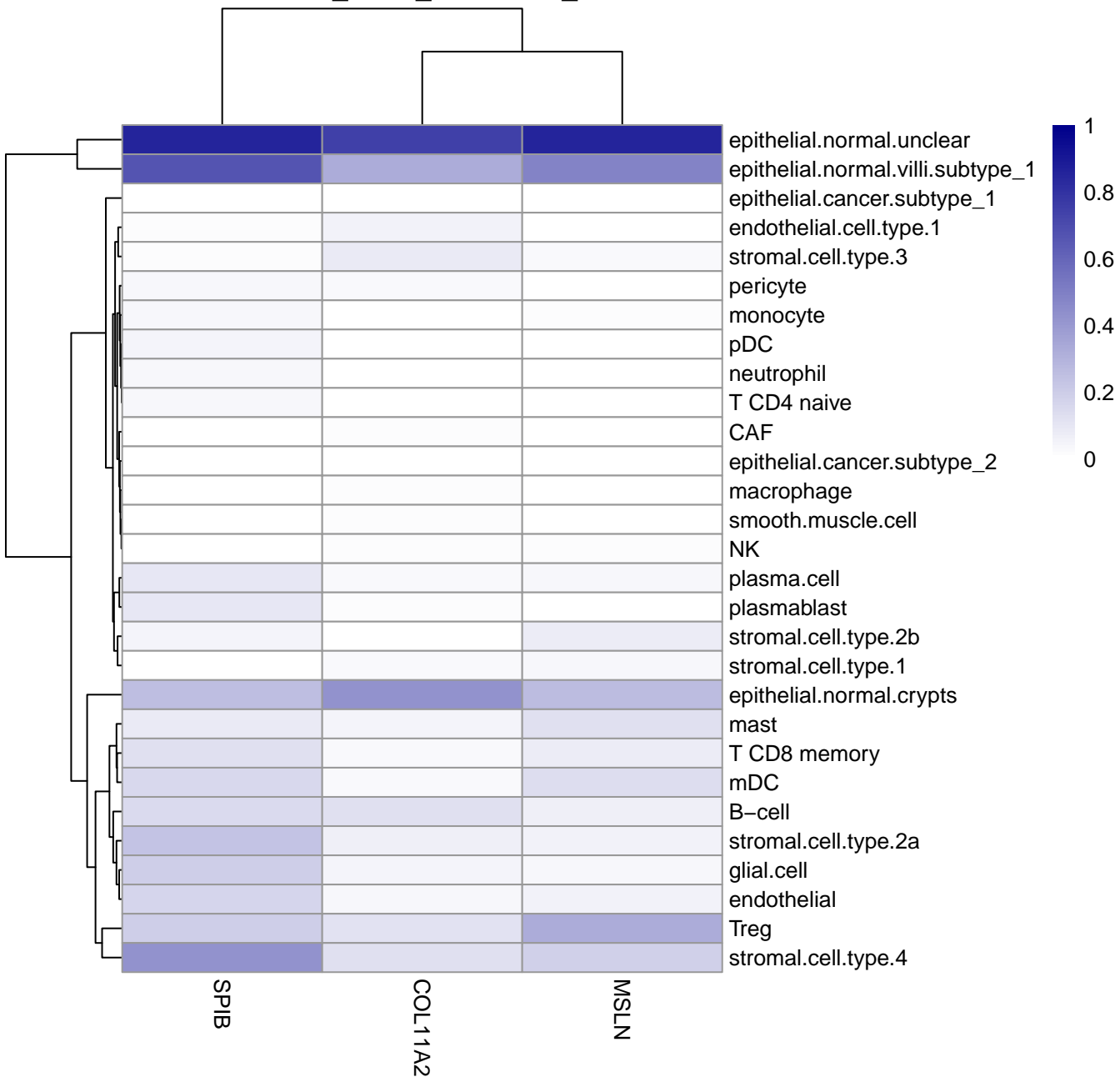
# CA2\_S100A14\_HMGCS2\_3



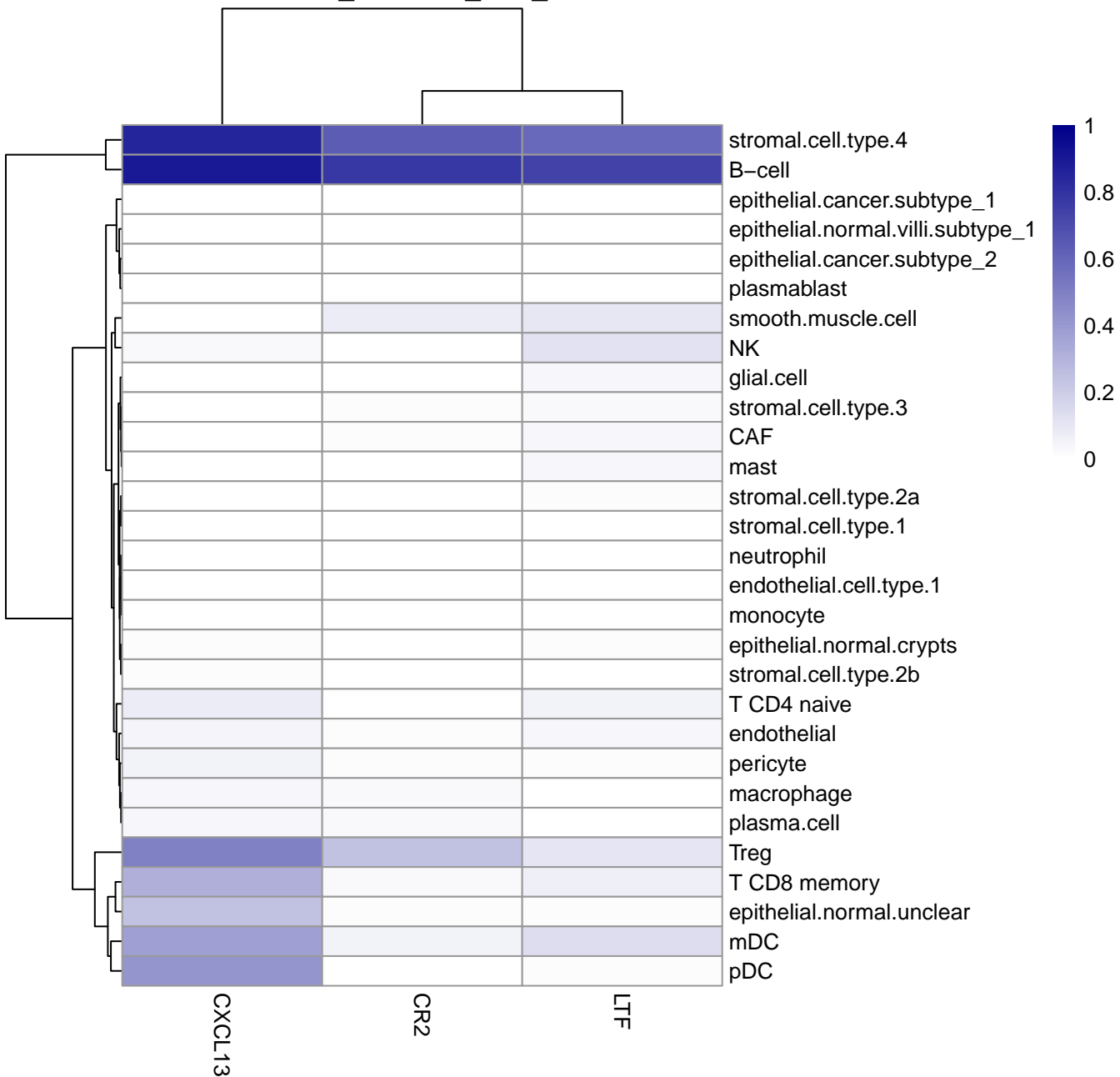
# CD24\_SELENBP1\_KLF5\_3



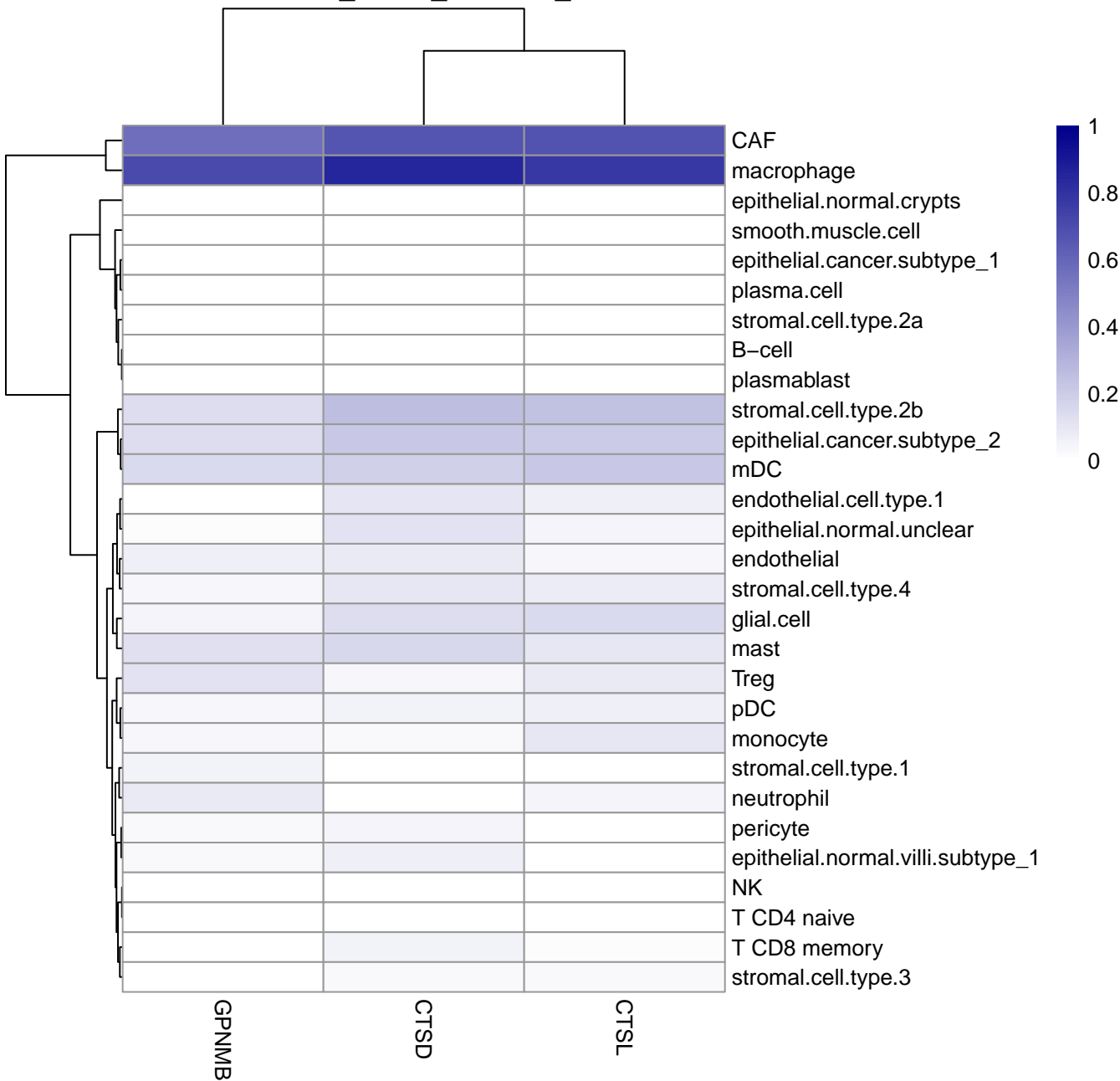
# MSLN\_SPIB\_COL11A2\_3



# CR2\_CXCL13\_LTF\_3

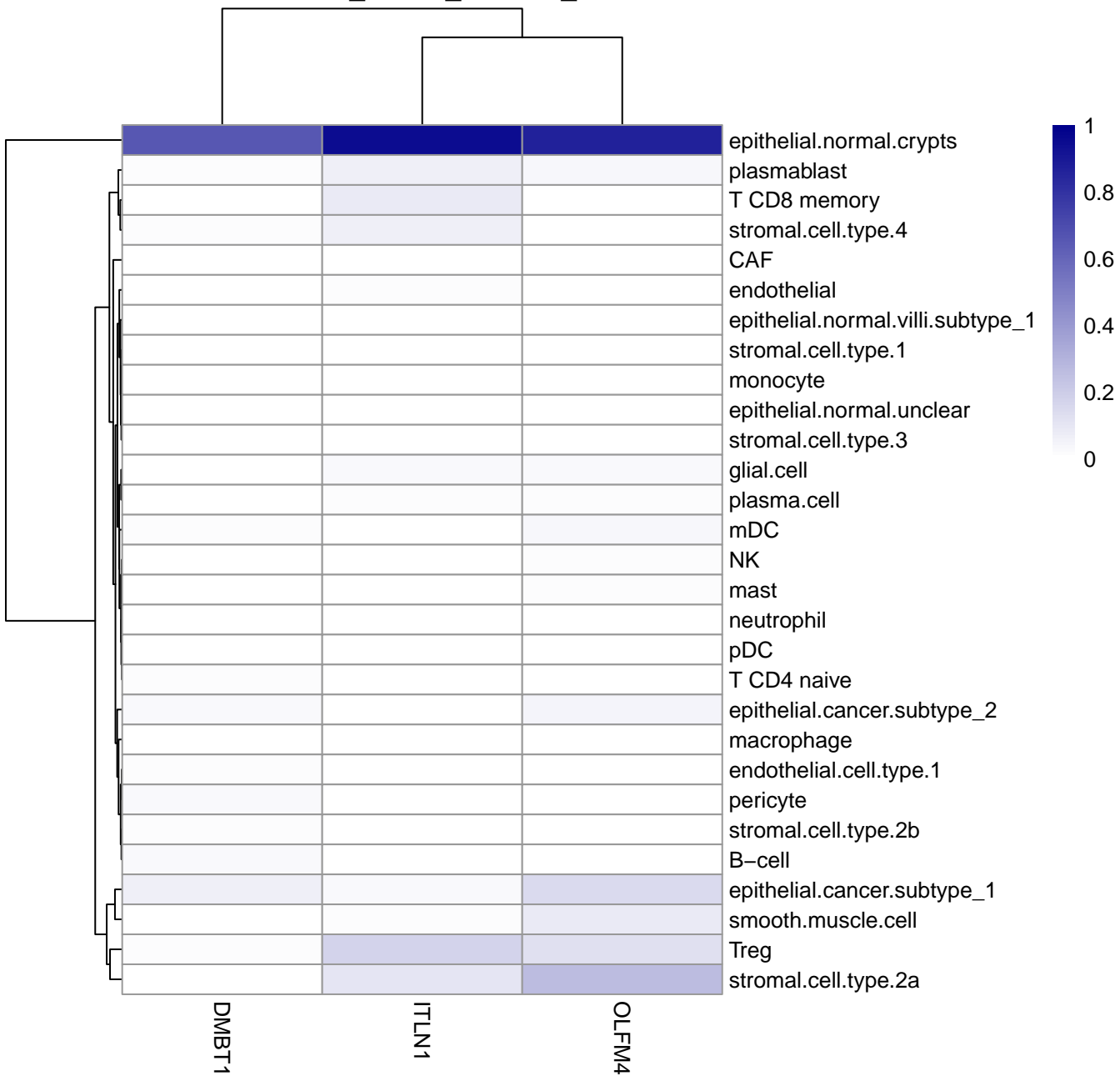


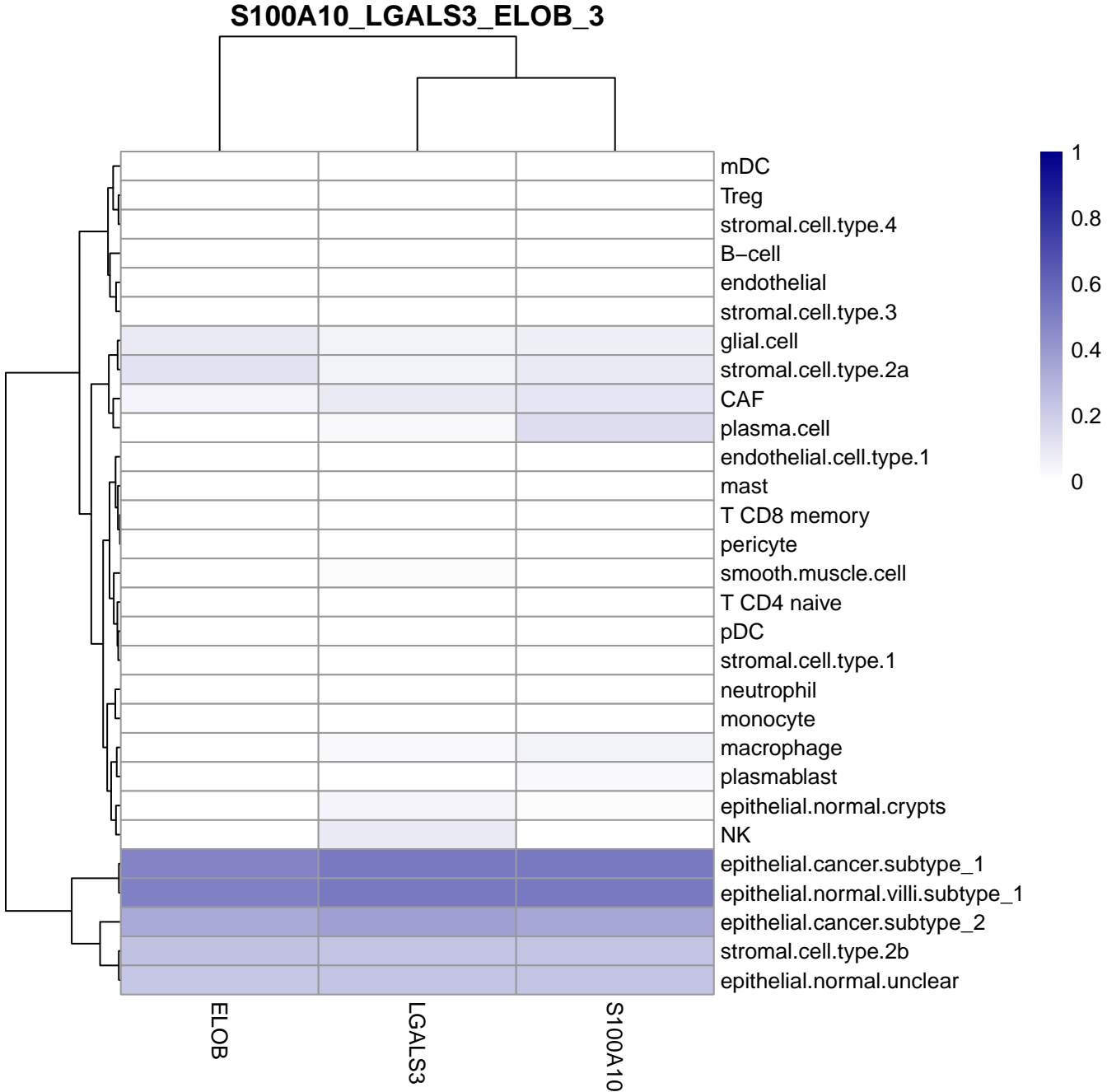
# CTSD\_CTSL\_GPNMB\_3



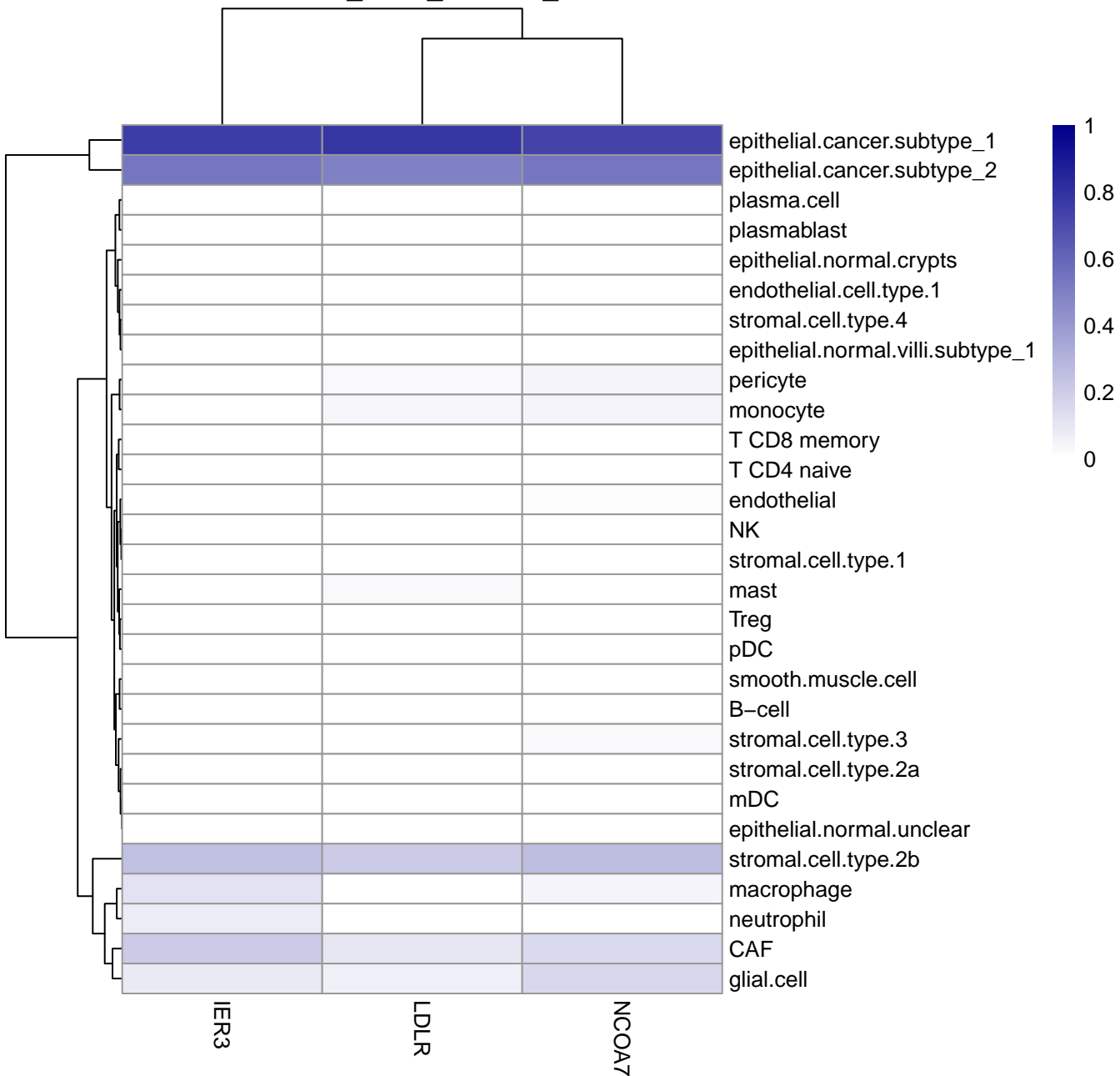


# OLFM4\_ITLN1\_DMBT1\_3

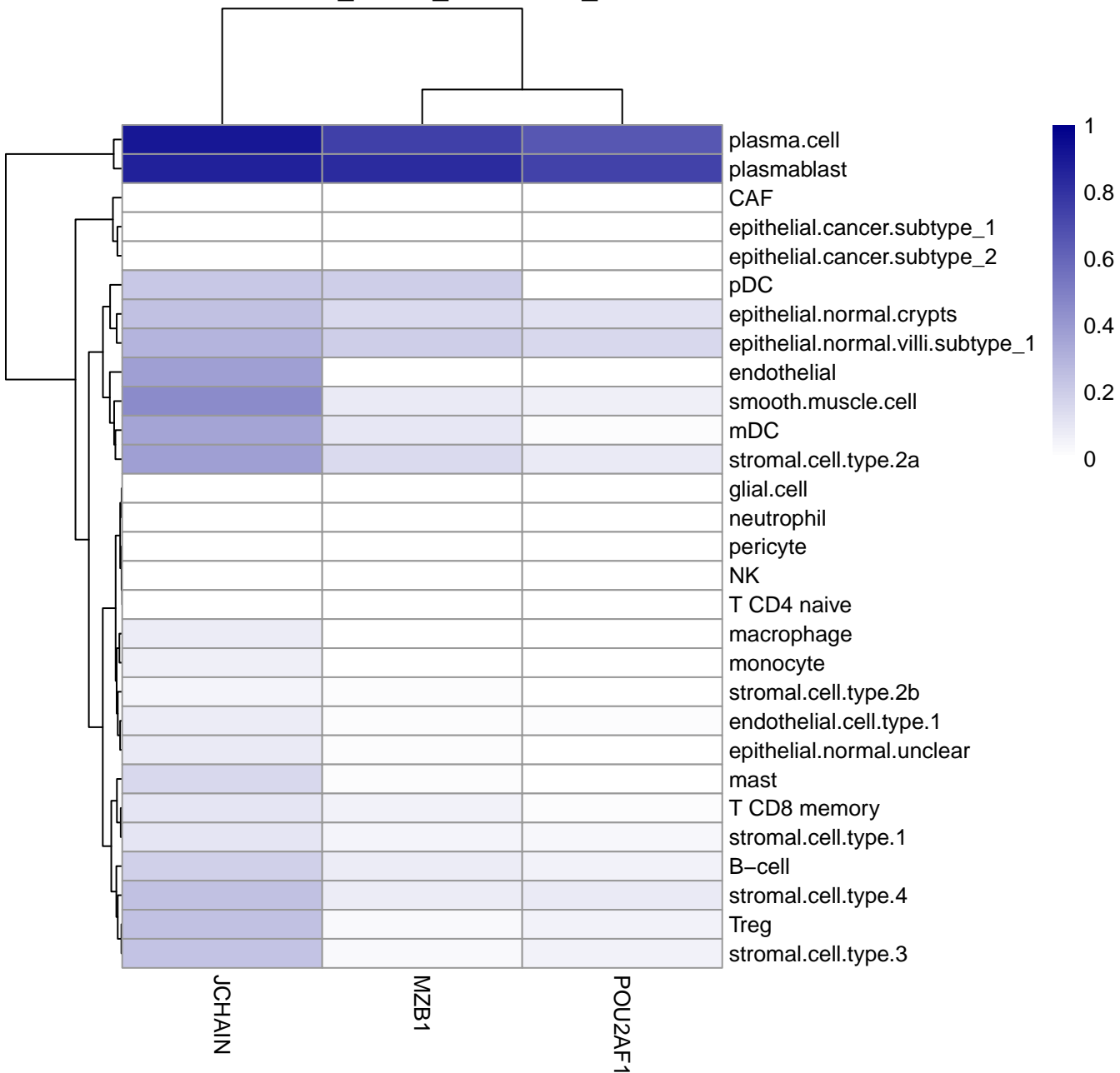




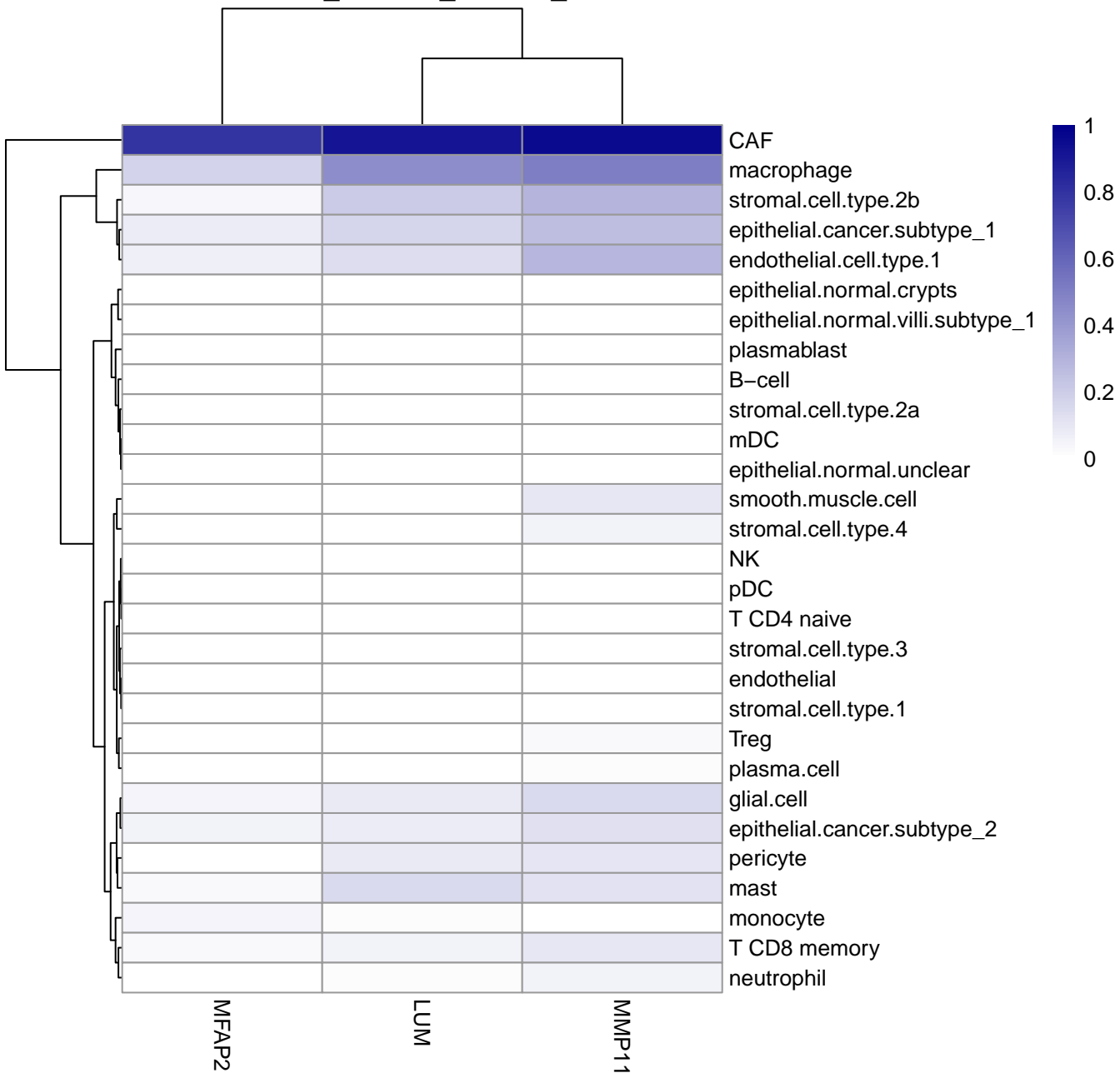
# LDLR\_IER3\_NCOA7\_3



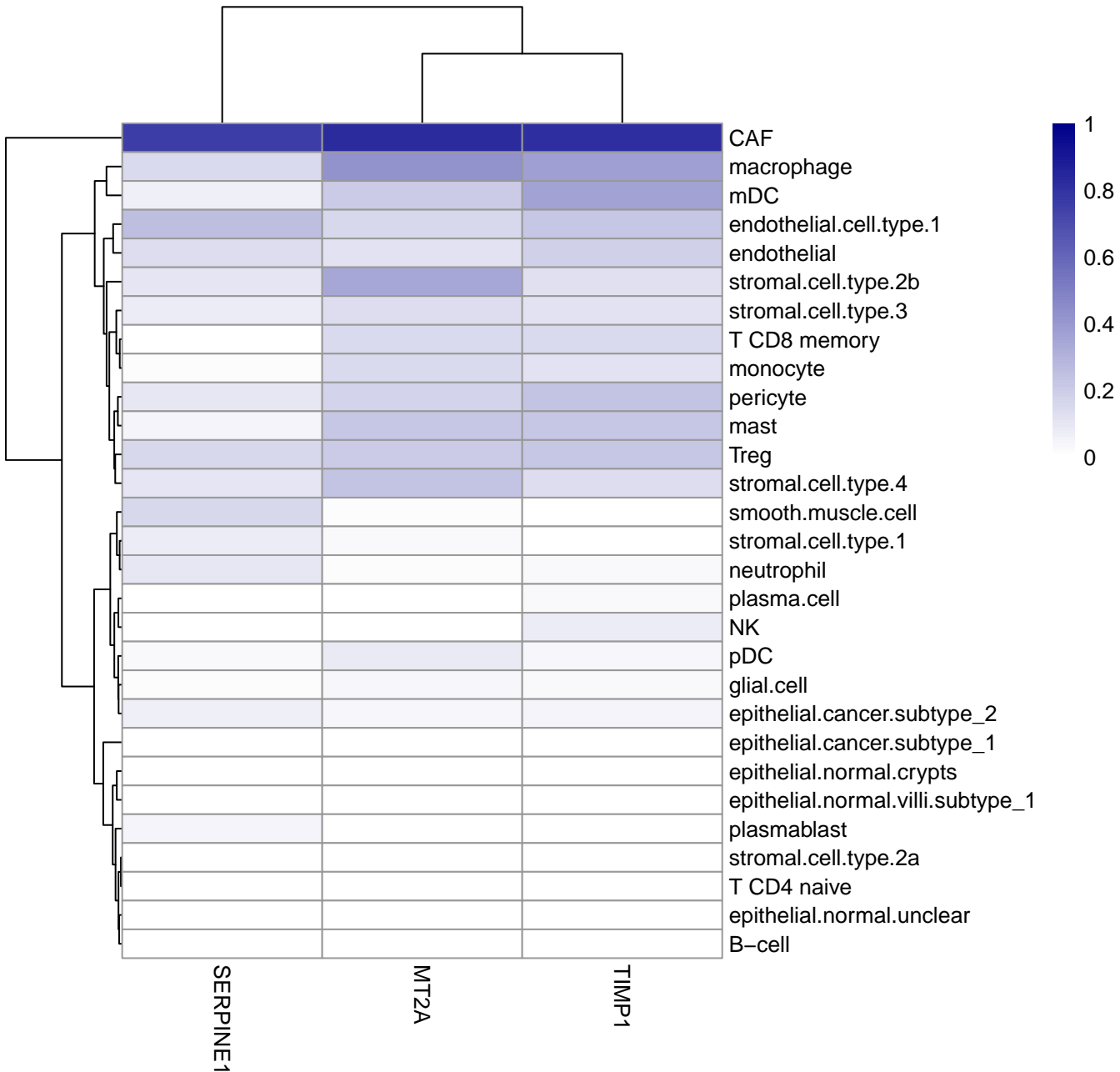
# JCHAIN\_MZB1\_POU2AF1\_3



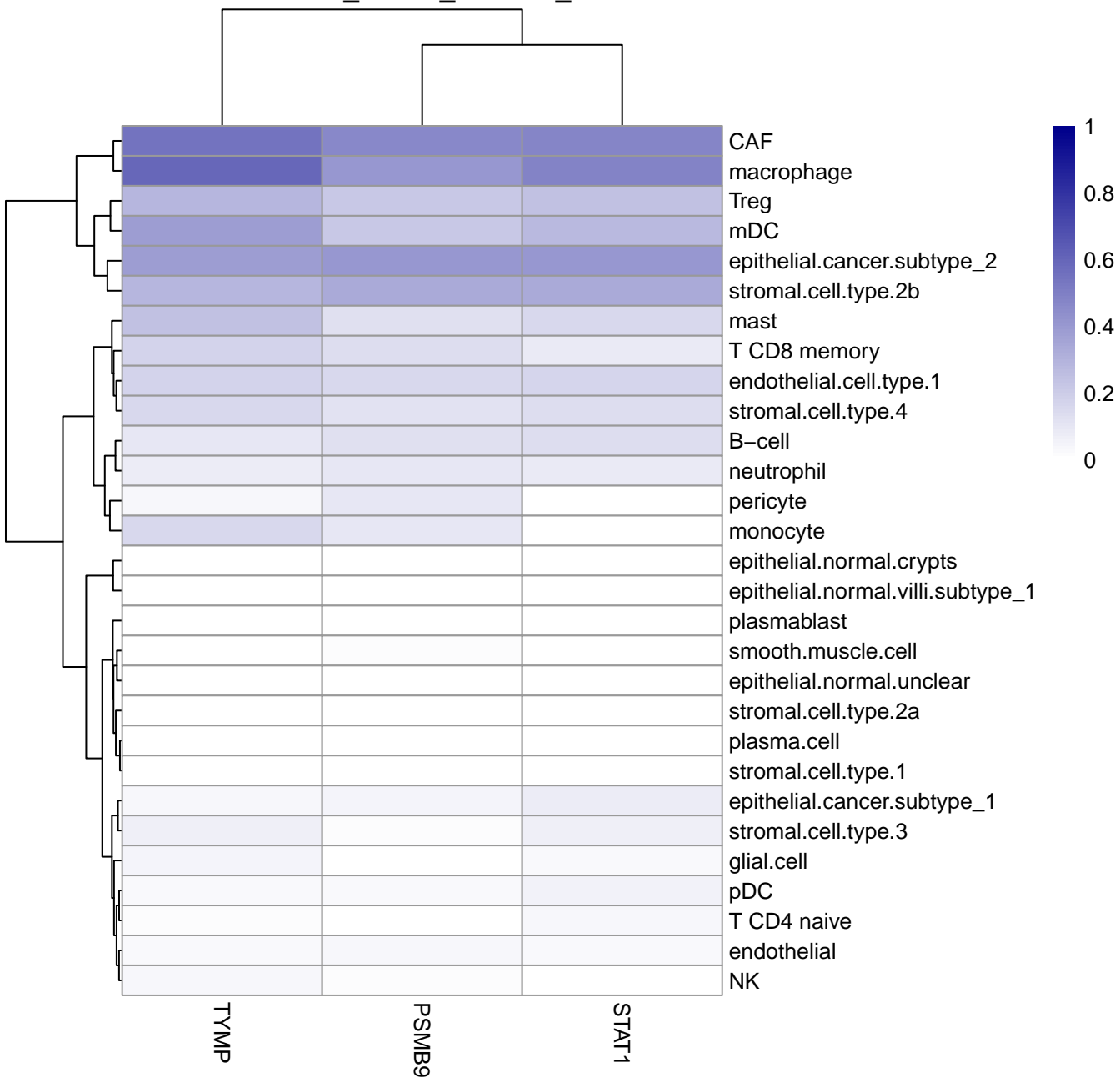
# LUM\_MMP11\_MFAP2\_3



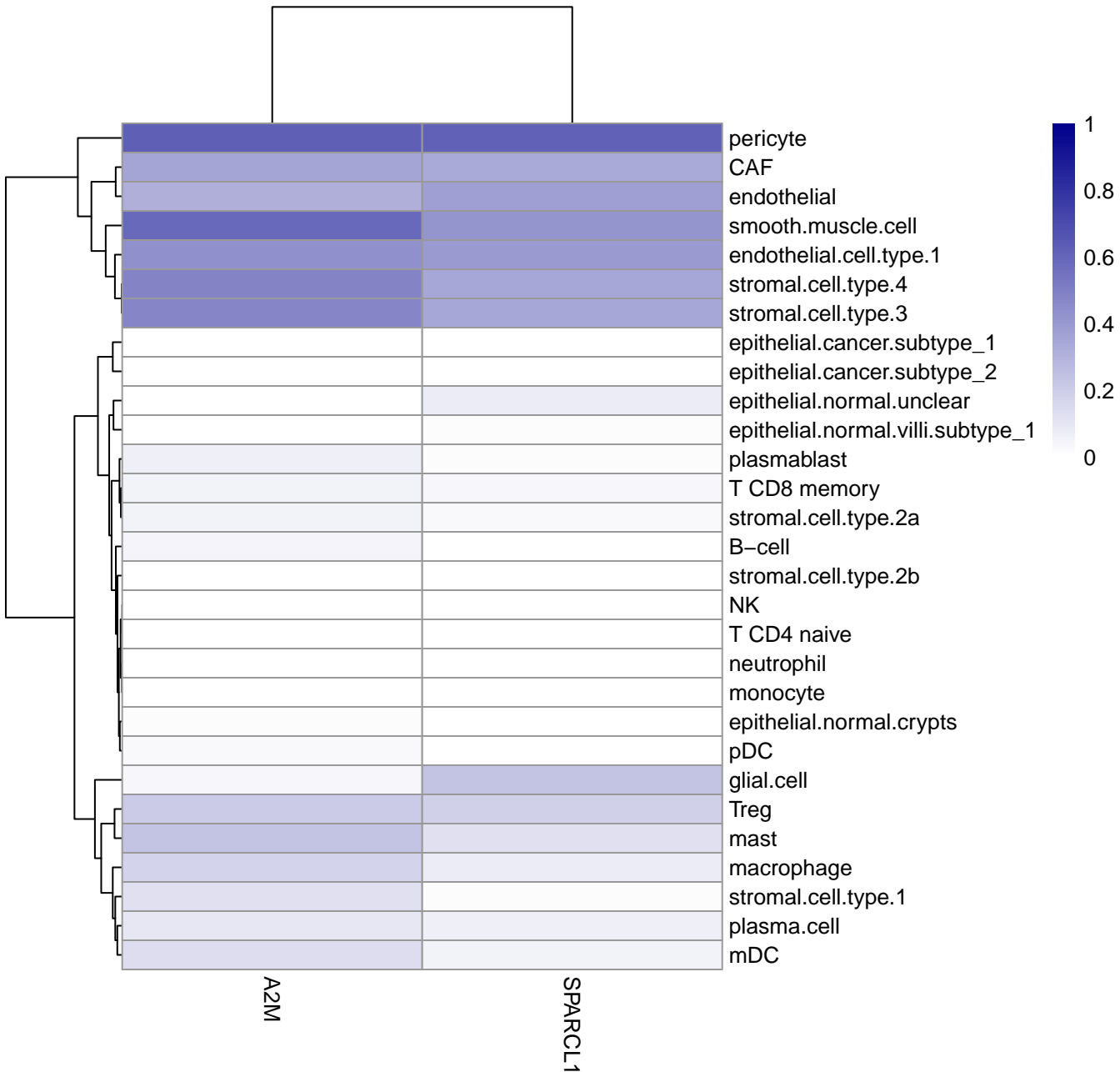
# MT2A\_TIMP1\_SERPINE1\_3



# STAT1\_TYMP\_PSMB9\_3

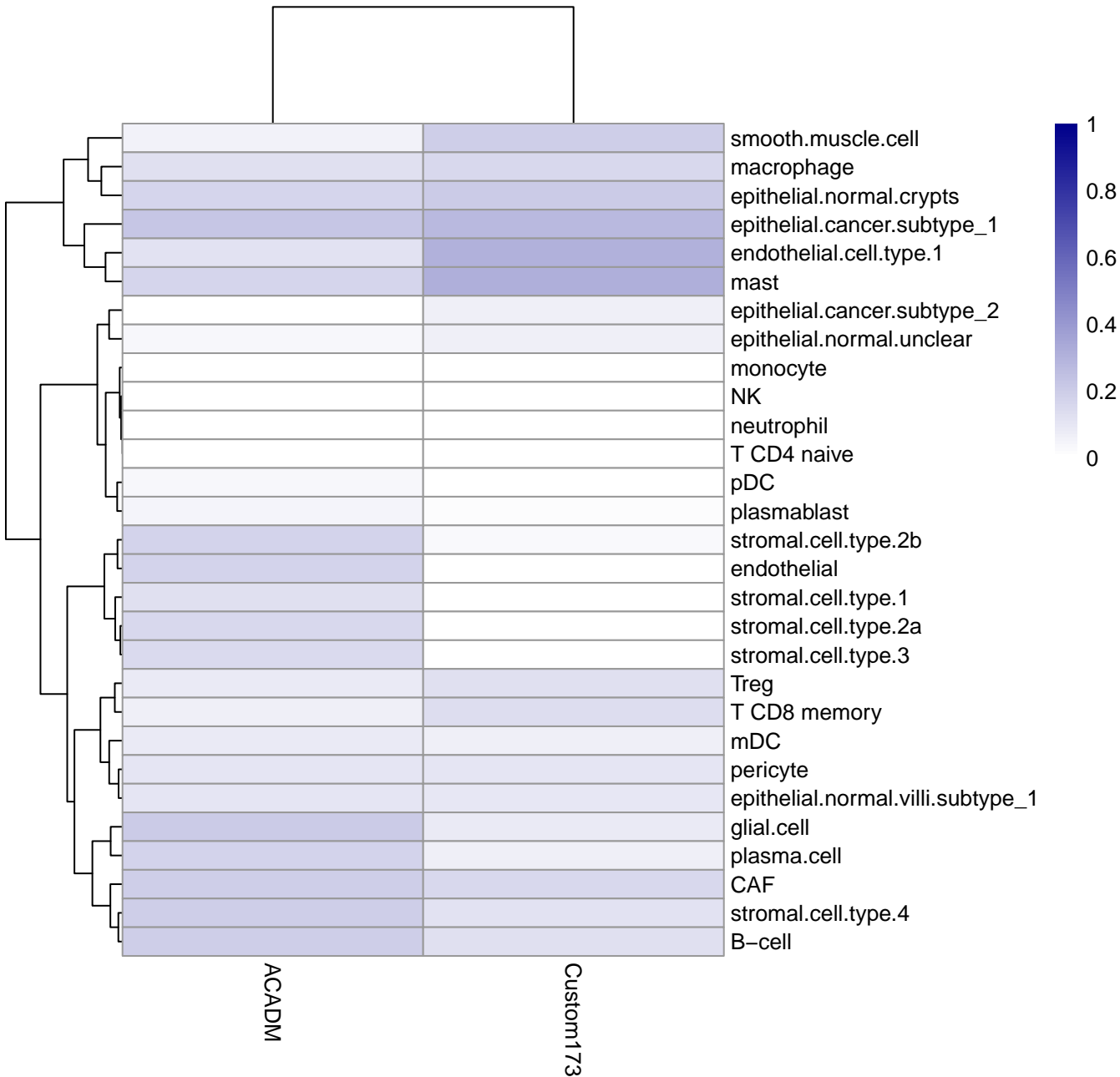


# A2M\_SPARCL1\_2

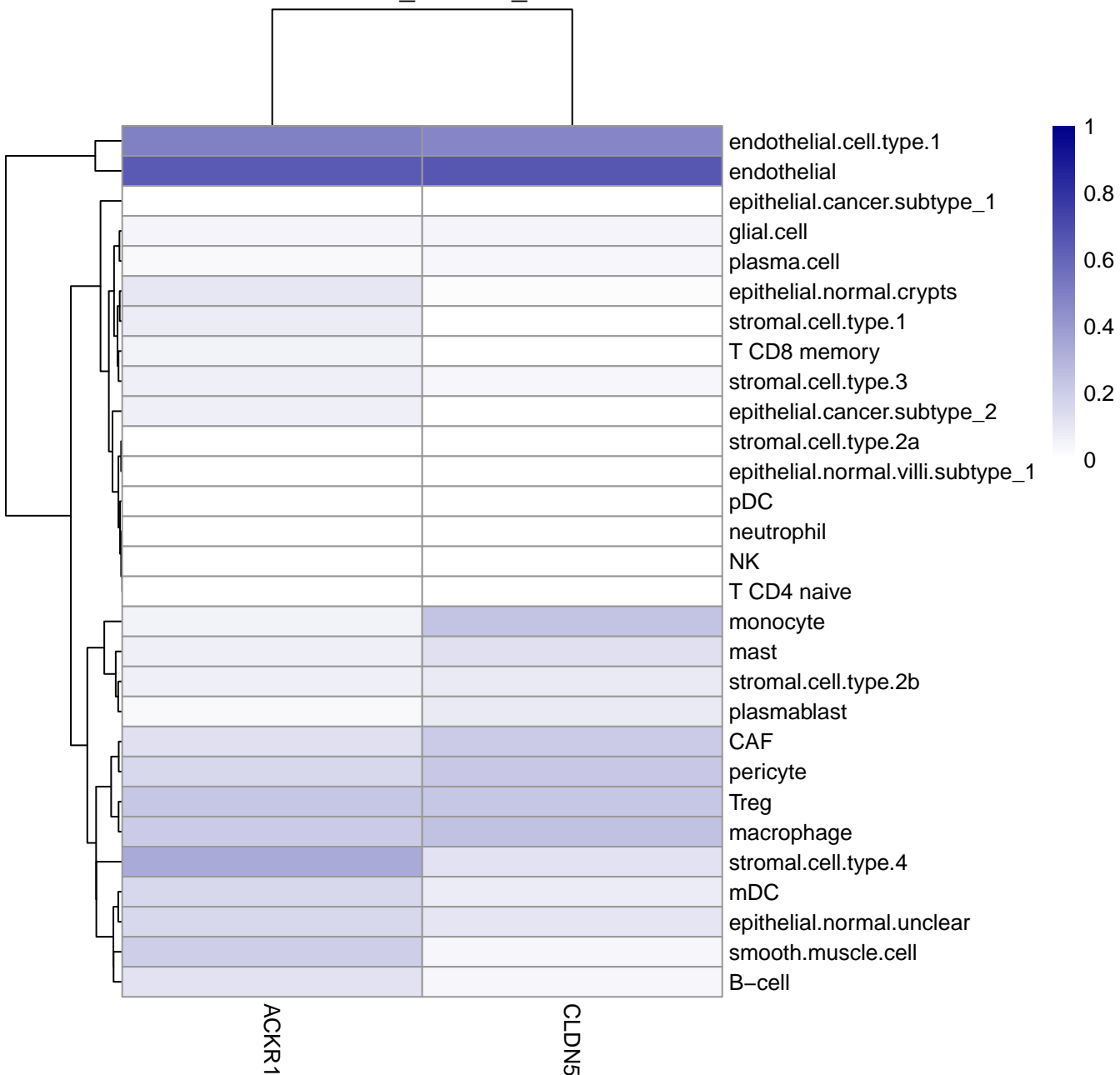




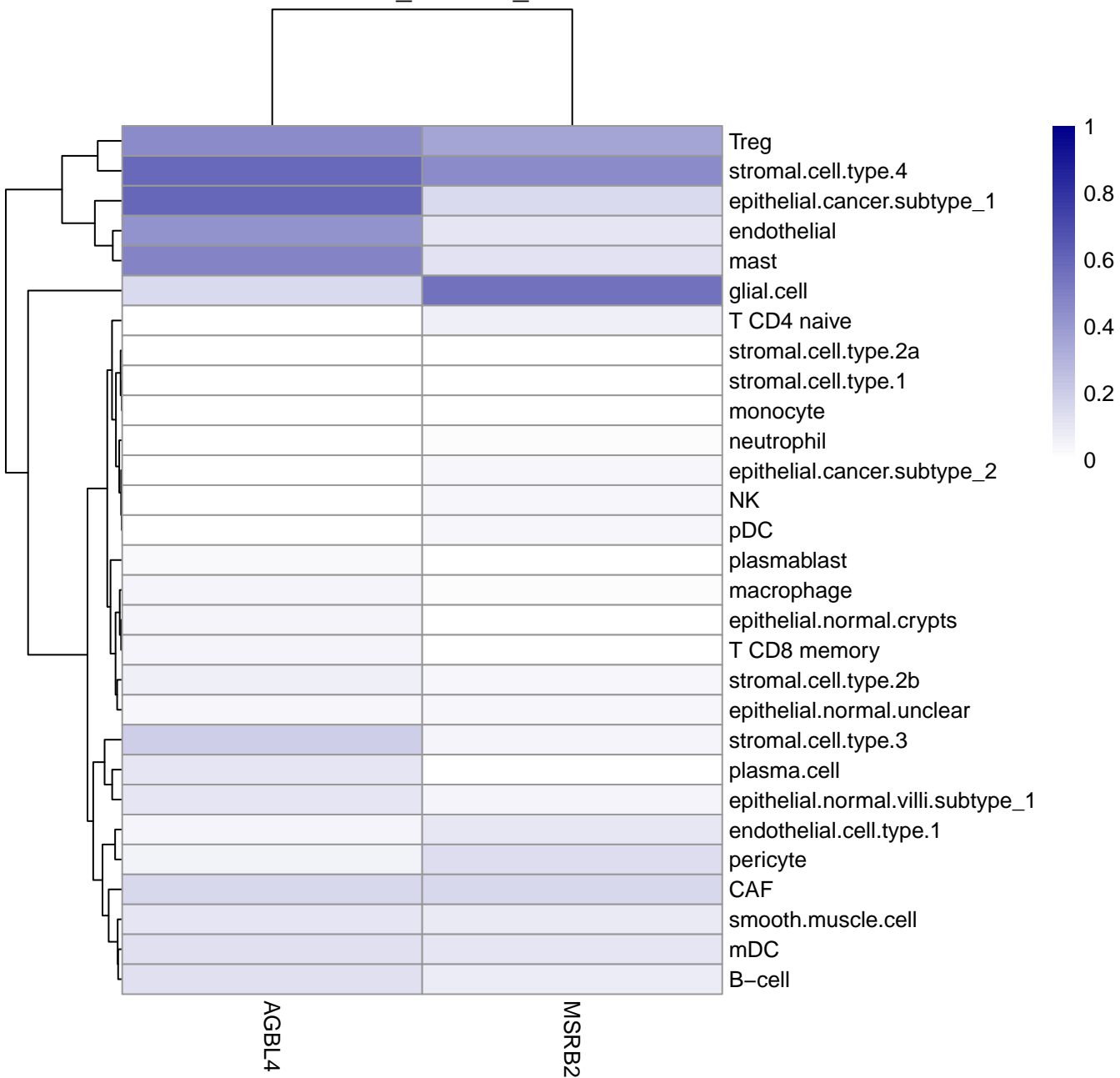
# Custom173\_ACADM\_2



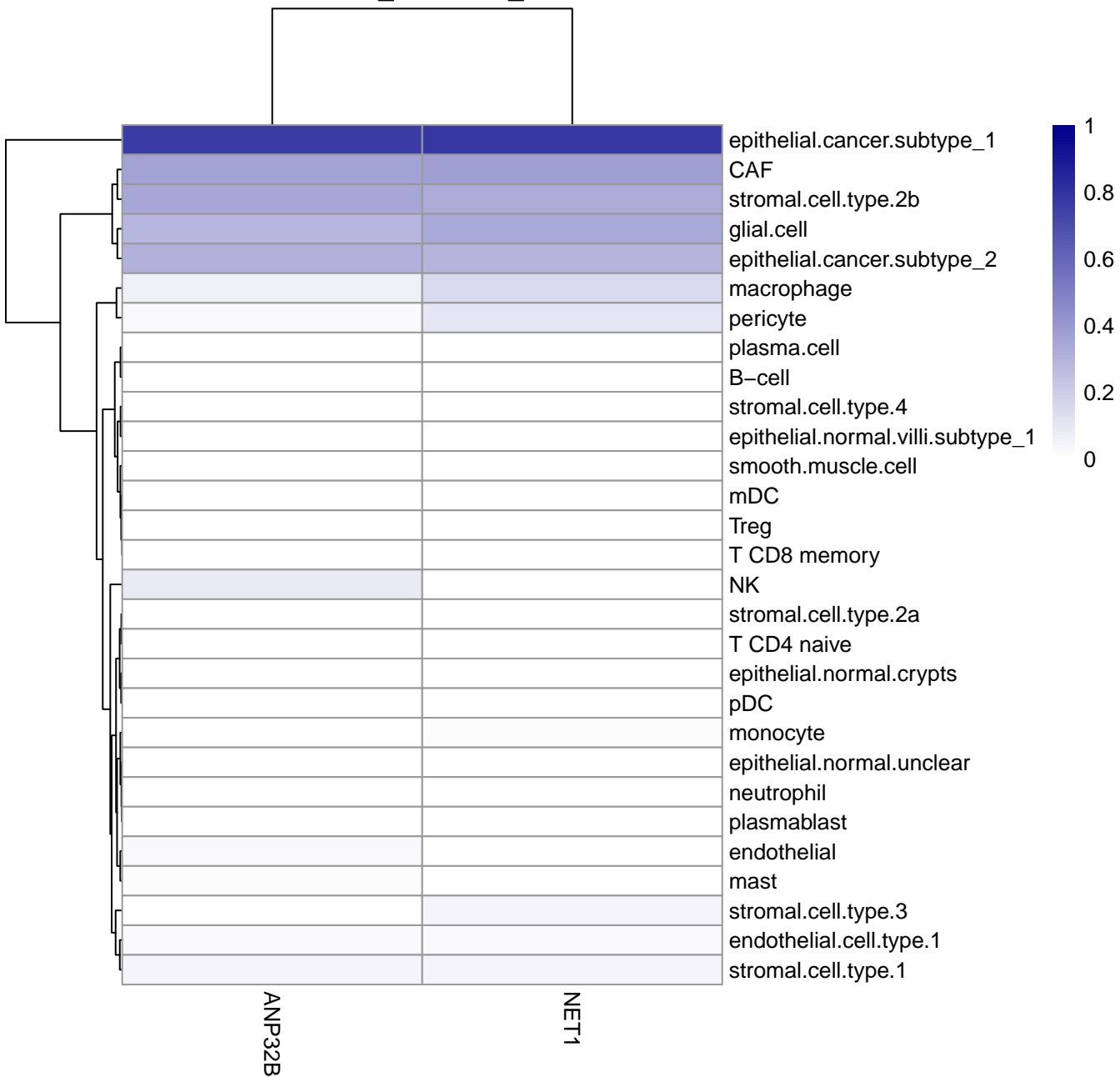
# ACKR1\_CLDN5\_2



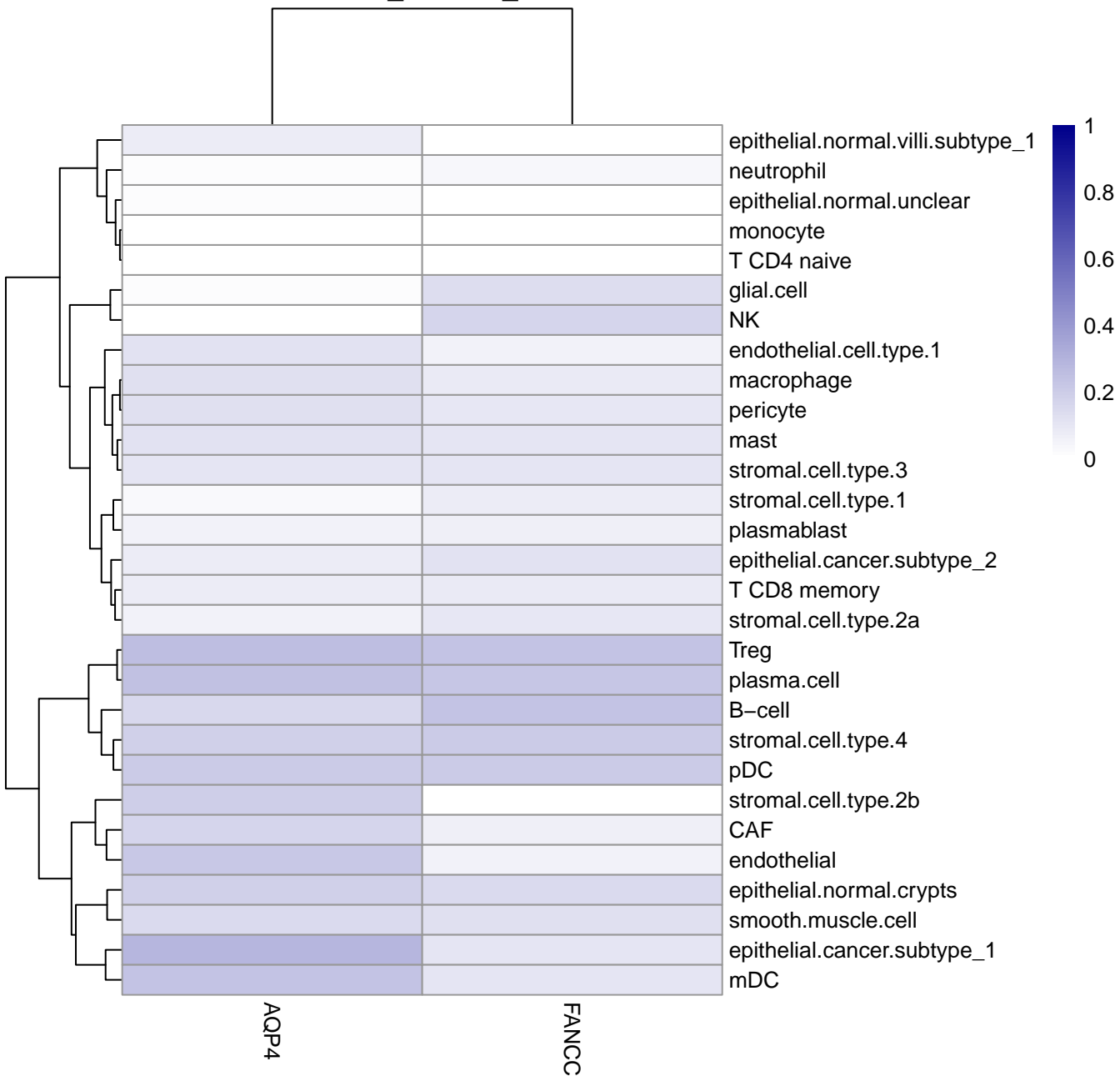
# AGBL4\_MSRB2\_2



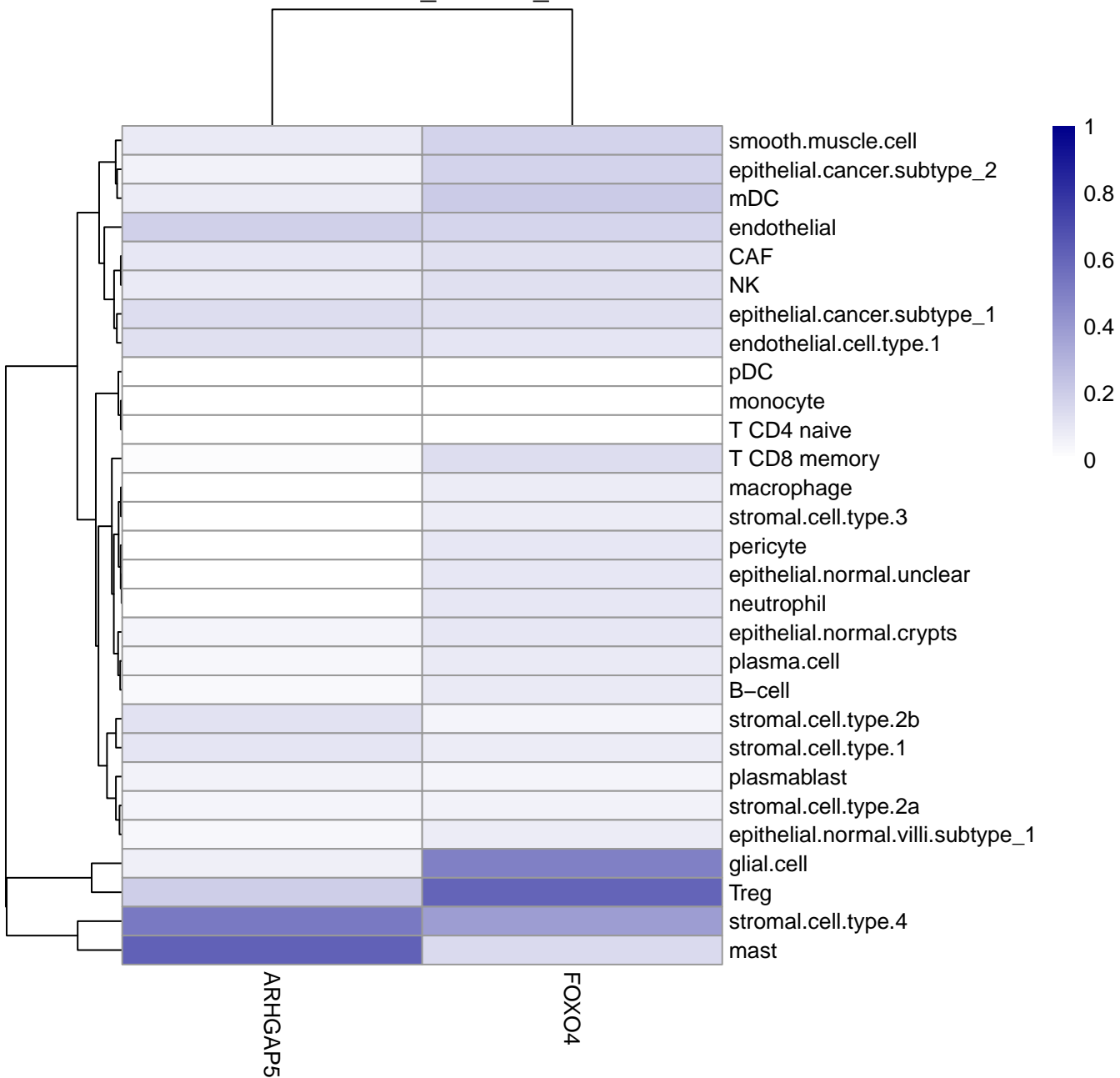
# NET1\_ANP32B\_2



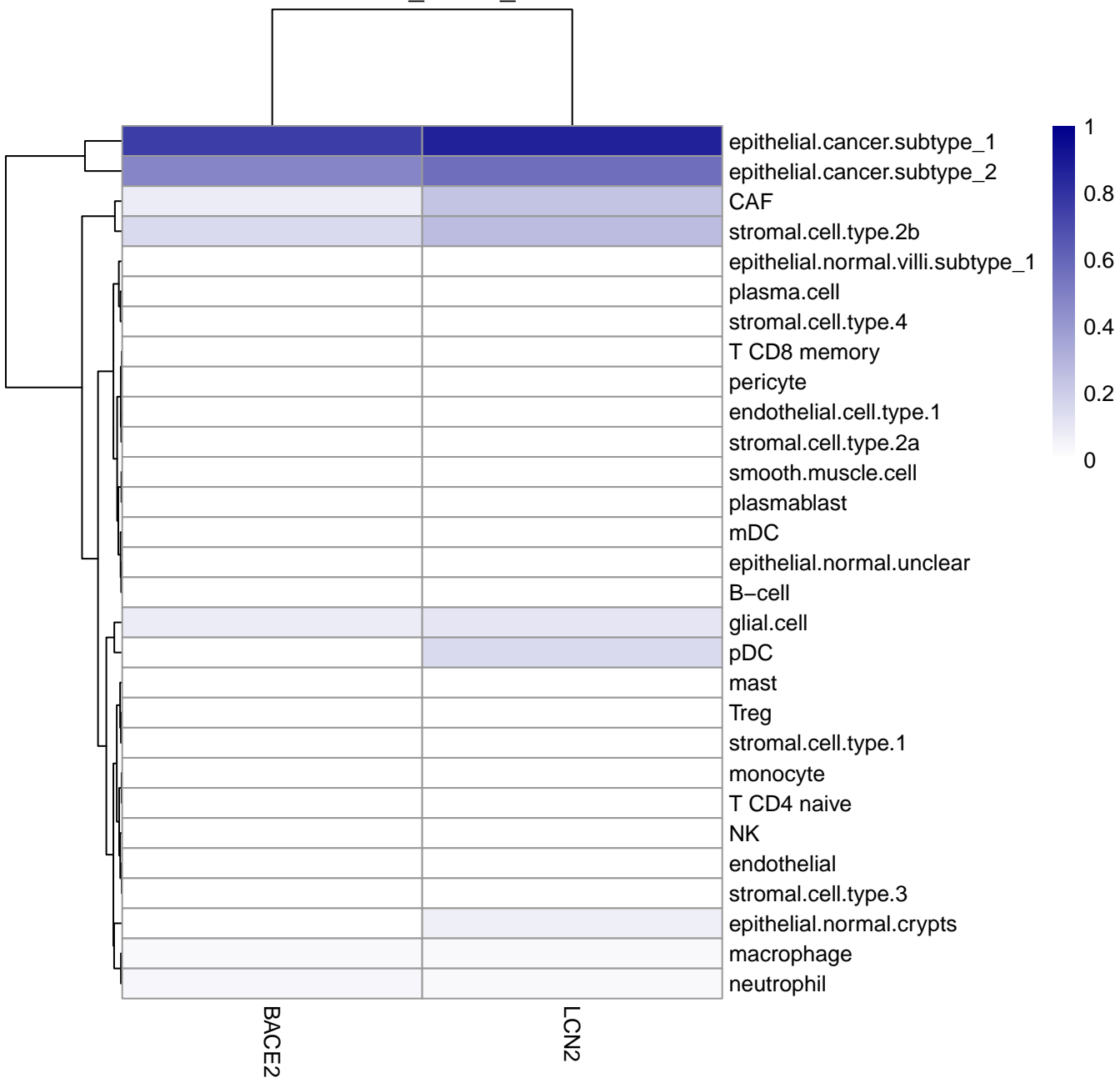
# AQP4\_FANCC\_2



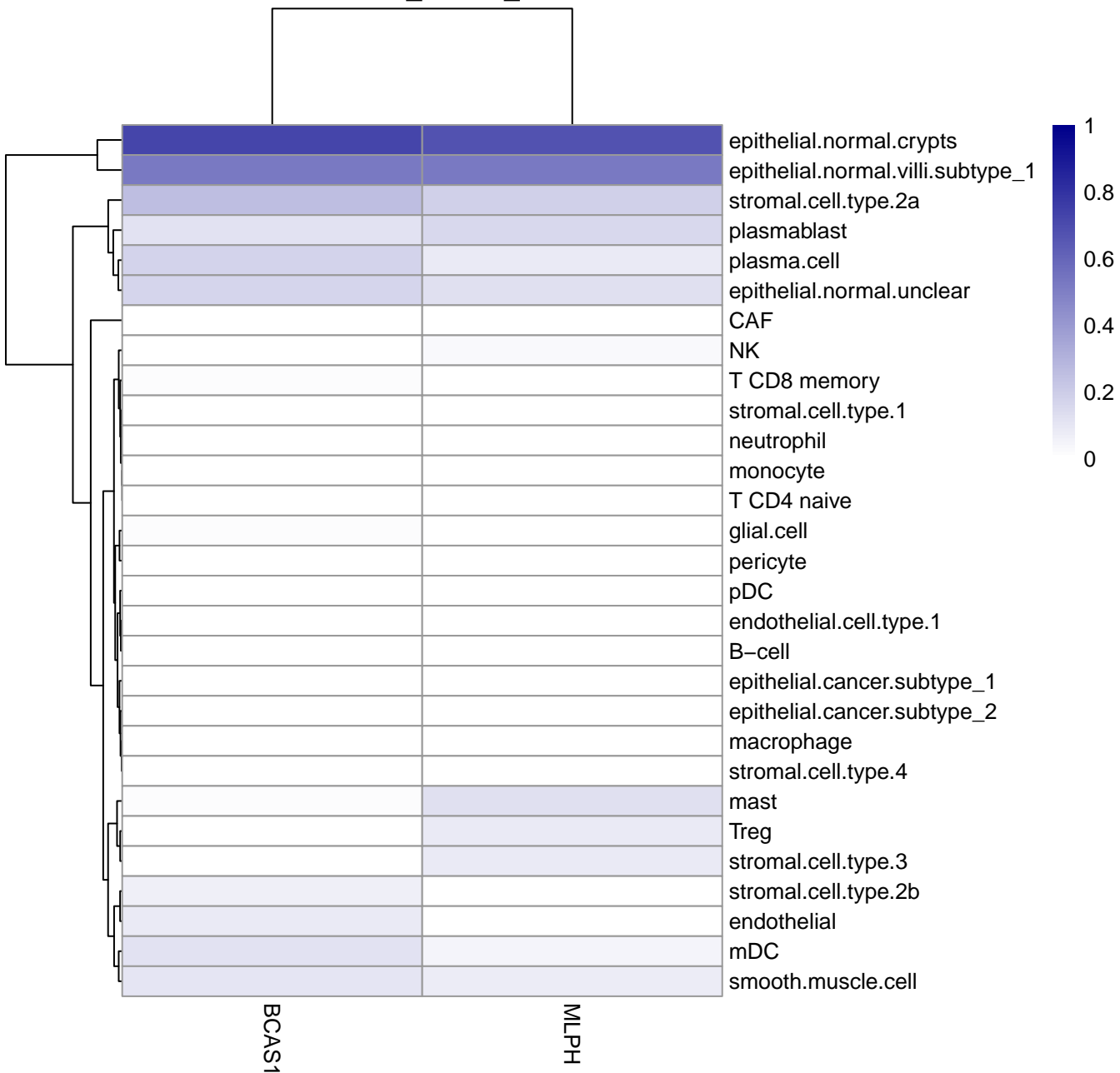
# ARHGAP5\_FOXO4\_2



# BACE2\_LCN2\_2

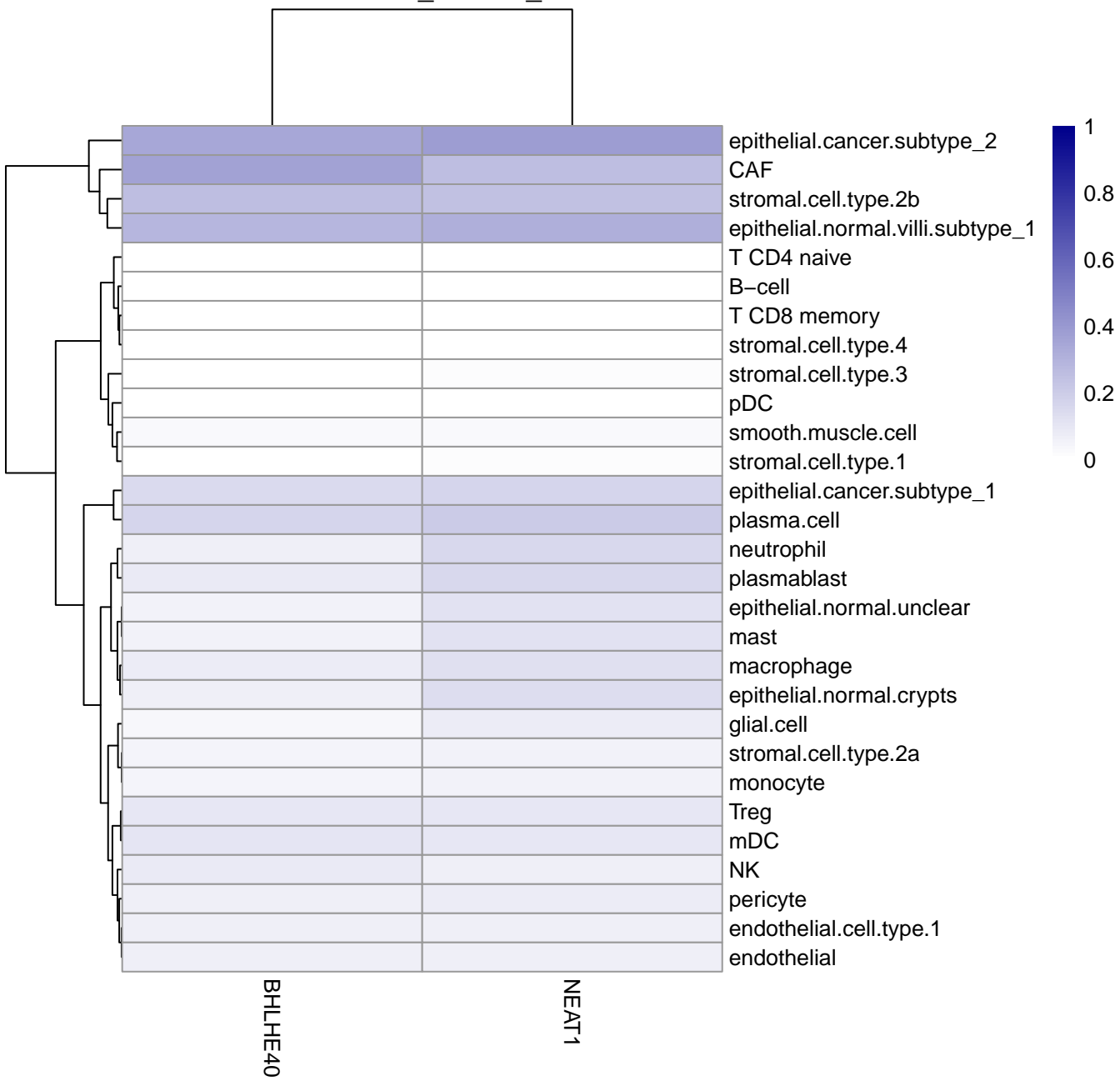


# BCAS1\_MLPH\_2

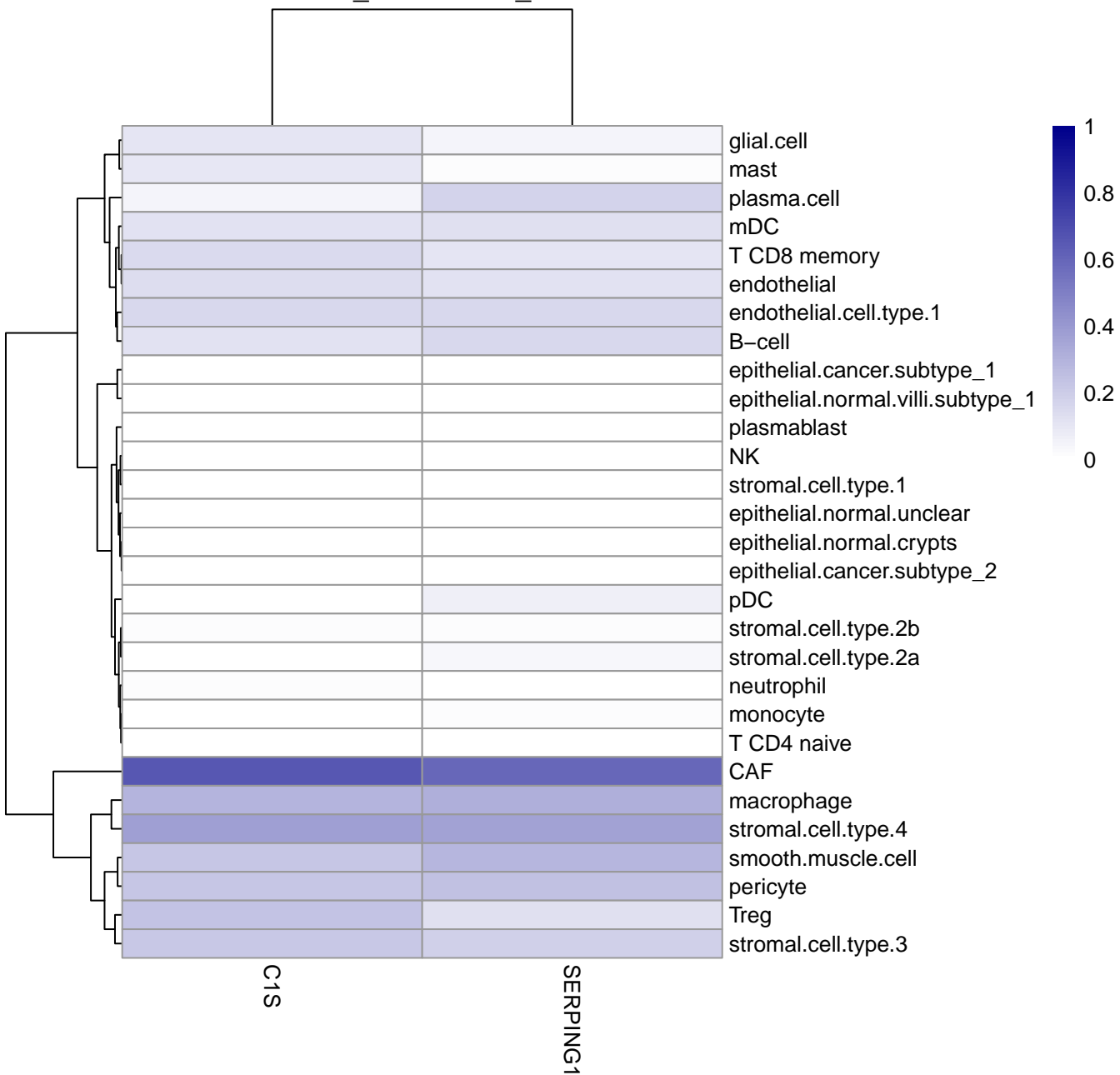




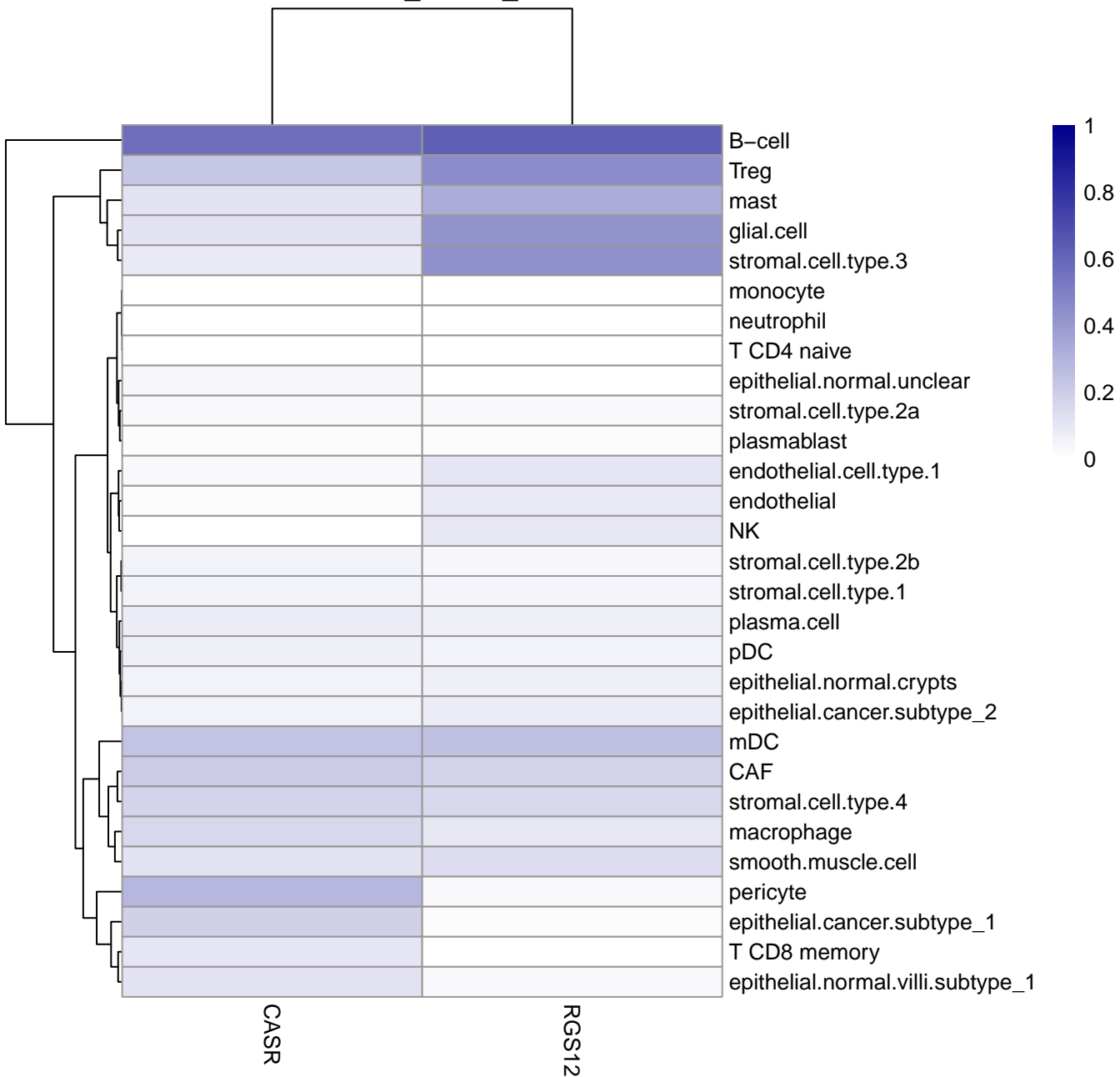
BHLHE40\_NEAT1\_2



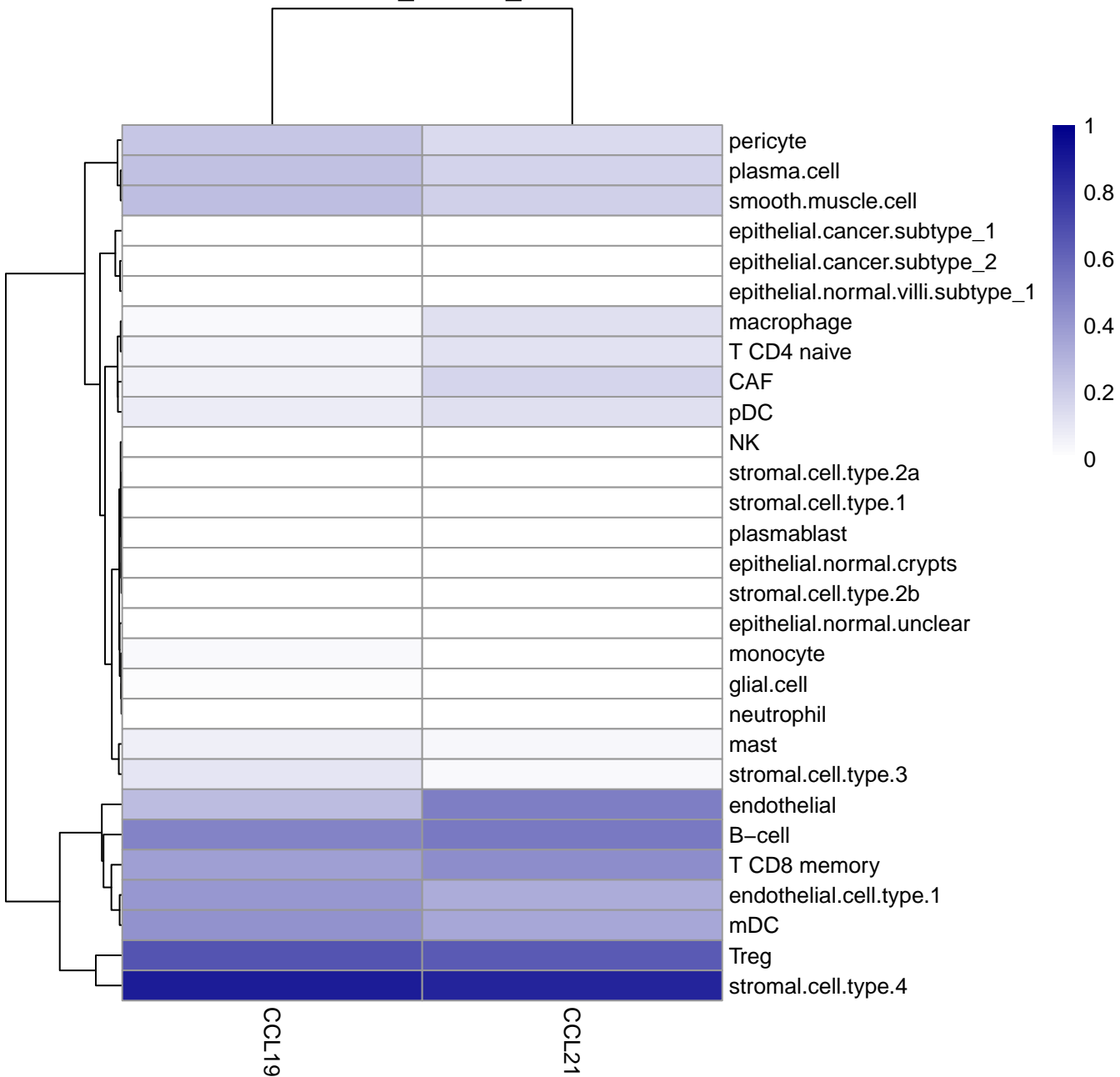
# C1S\_SERPING1\_2



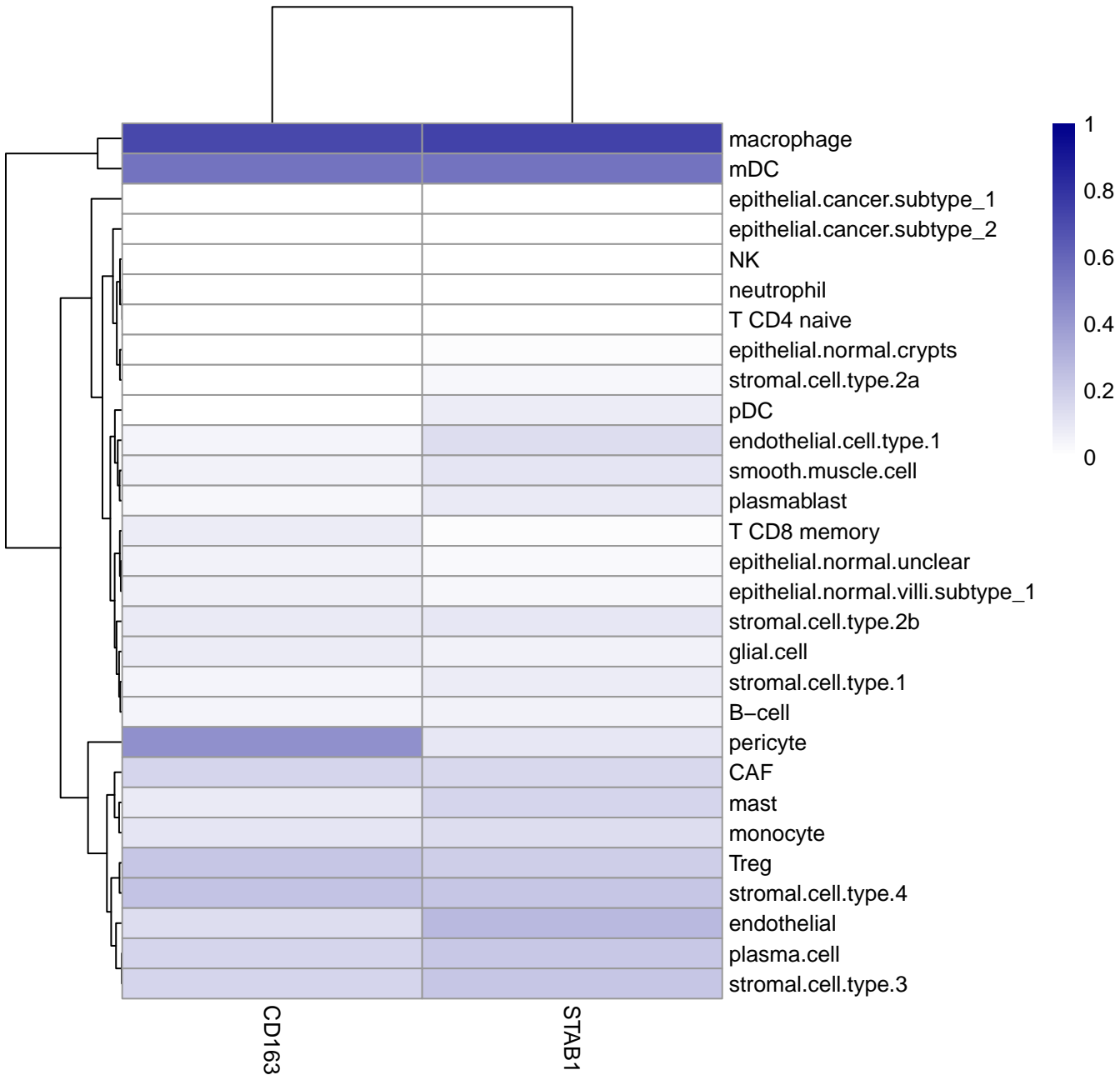
# RGS12\_CASR\_2



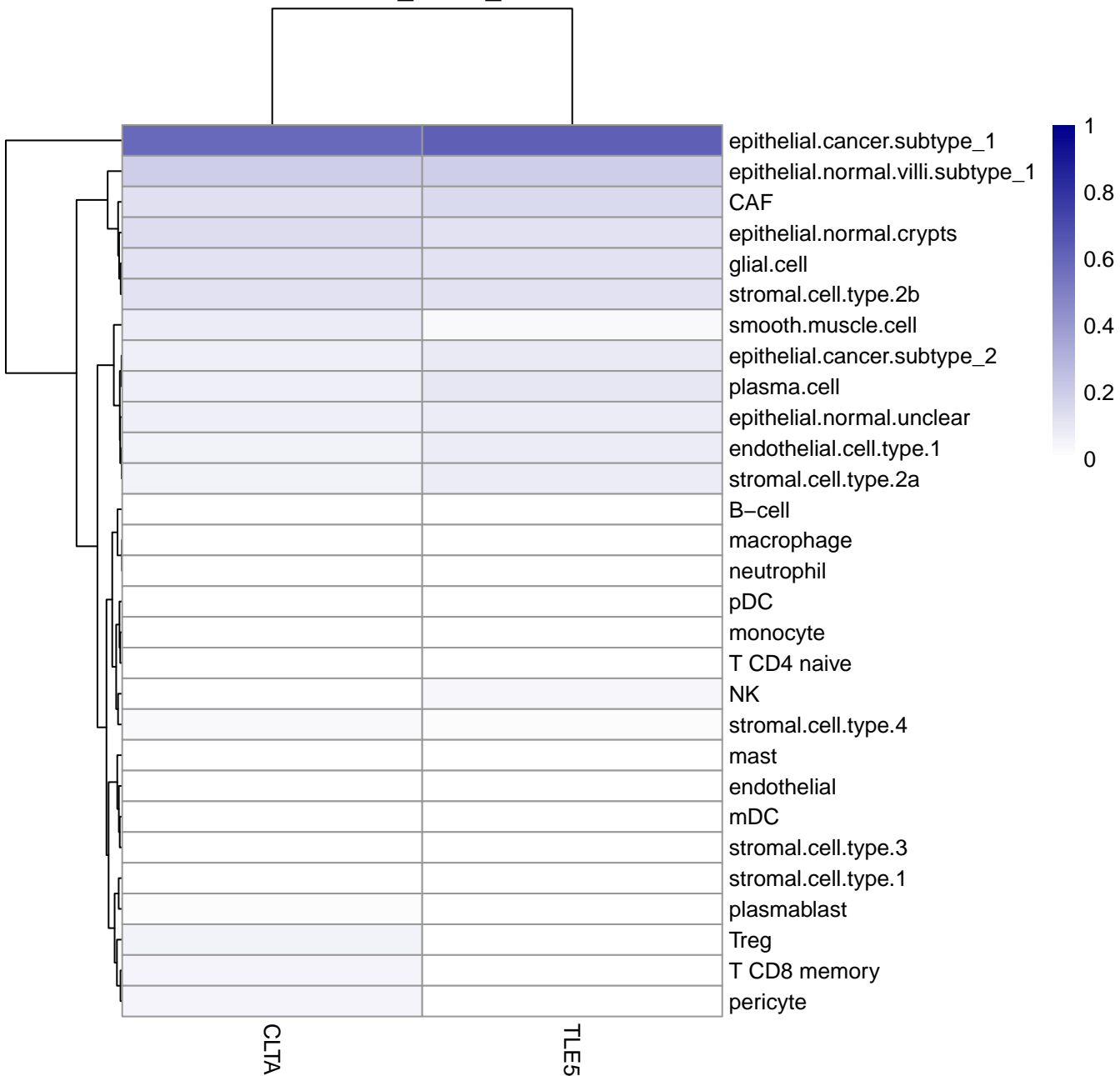
# CCL19\_CCL21\_2



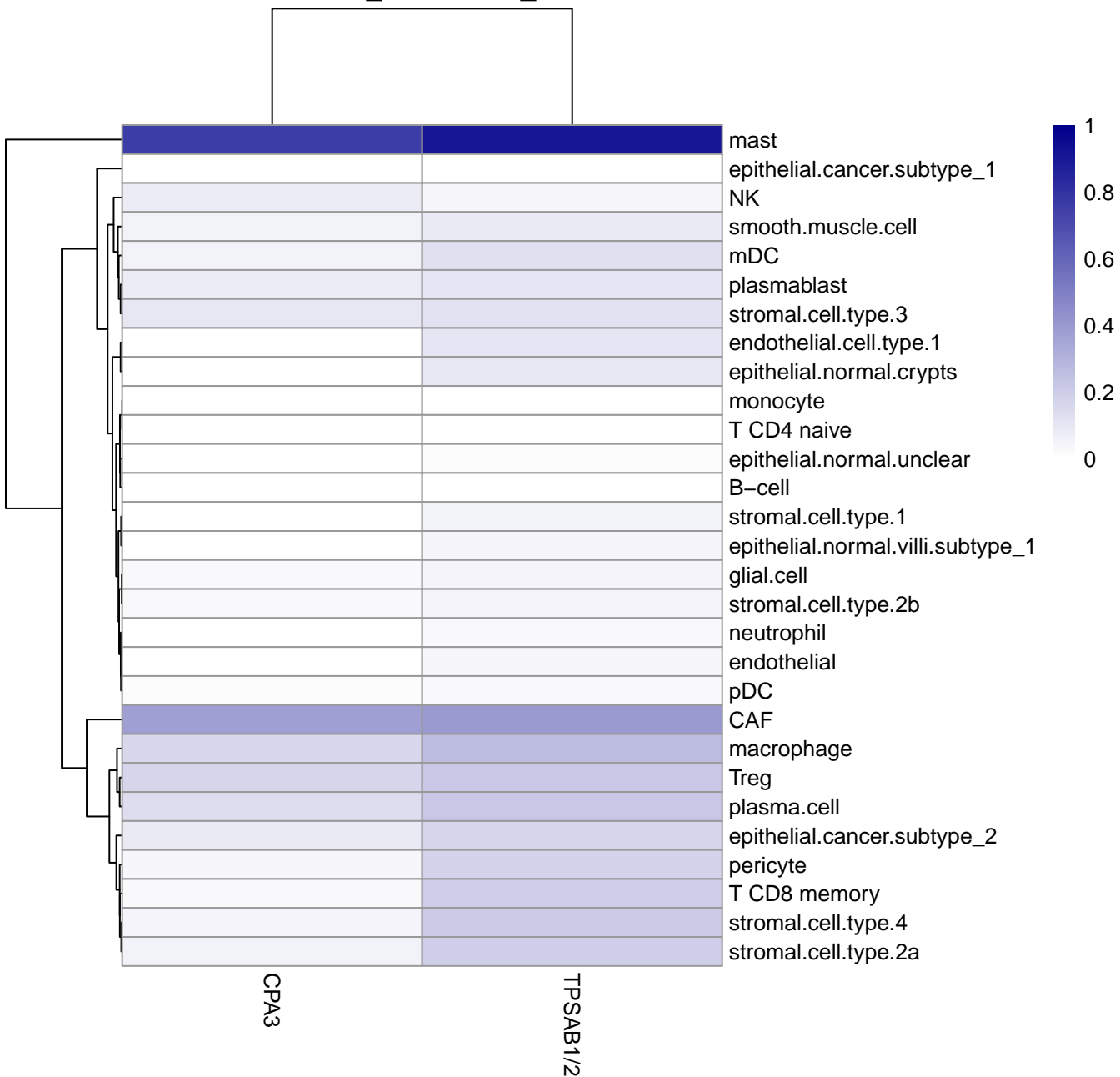
# CD163\_STAB1\_2



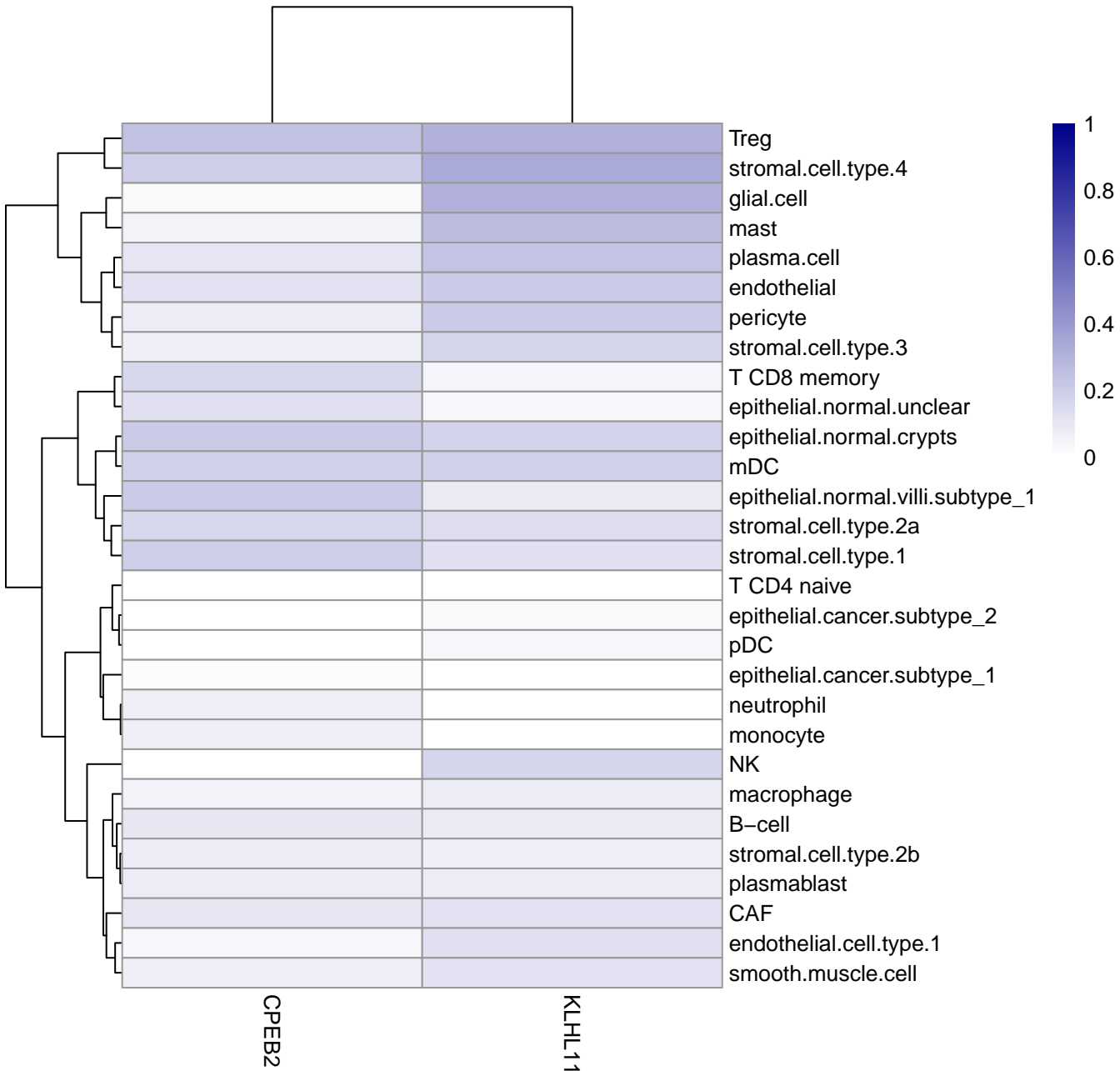
# TLE5\_CLTA\_2



## CPA3\_TPSAB1/2\_2

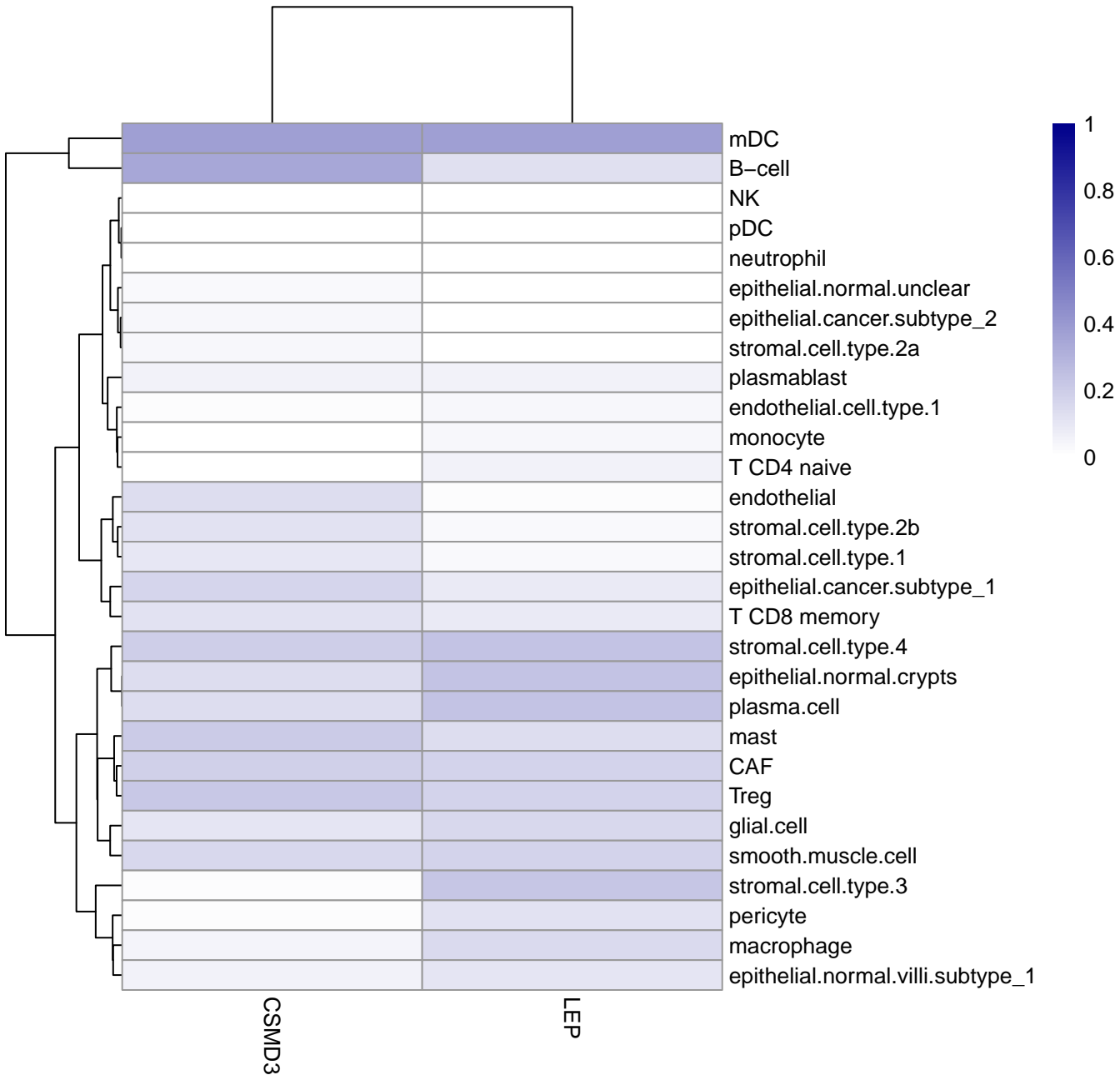


# CPEB2\_KLHL11\_2

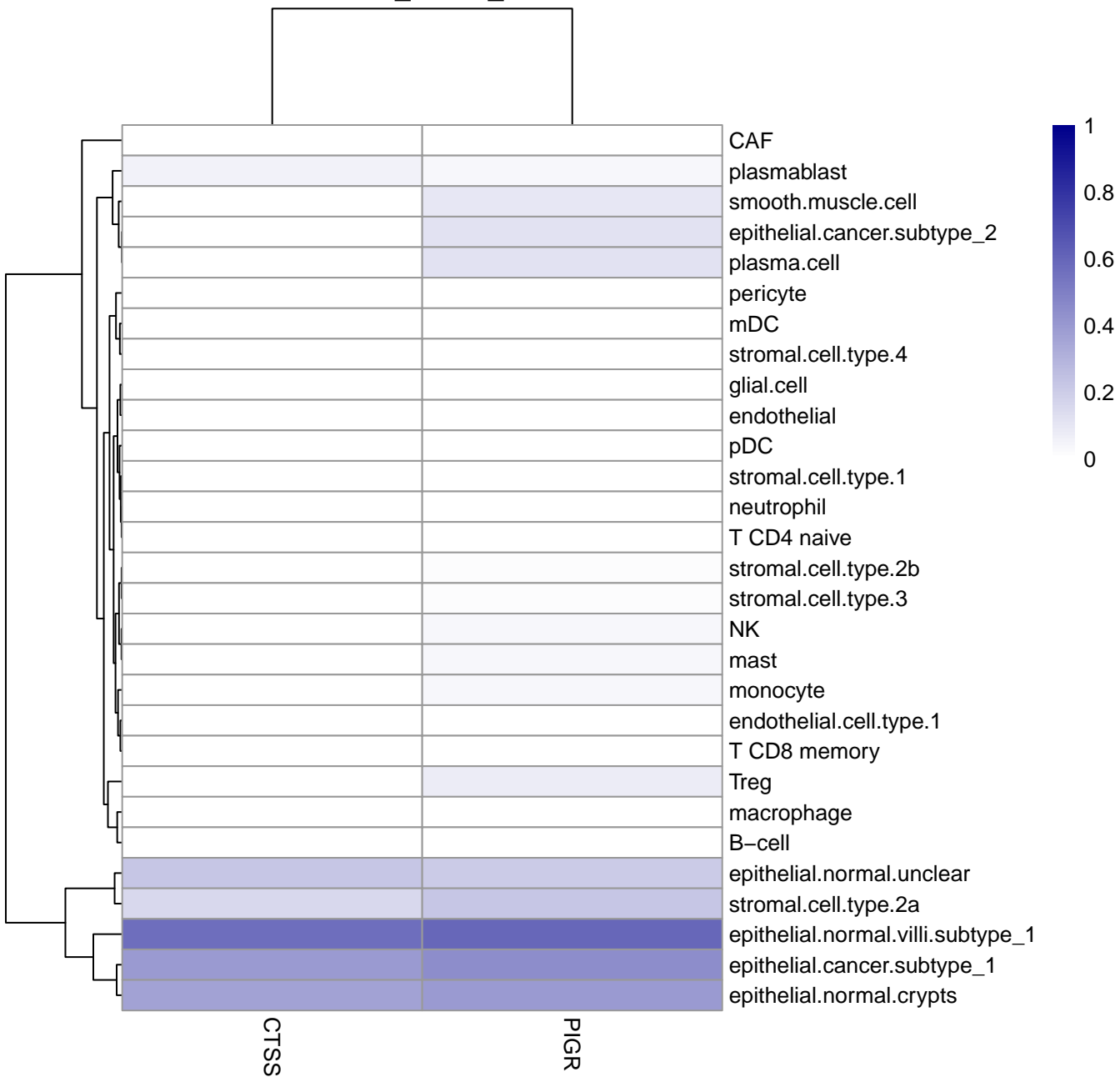




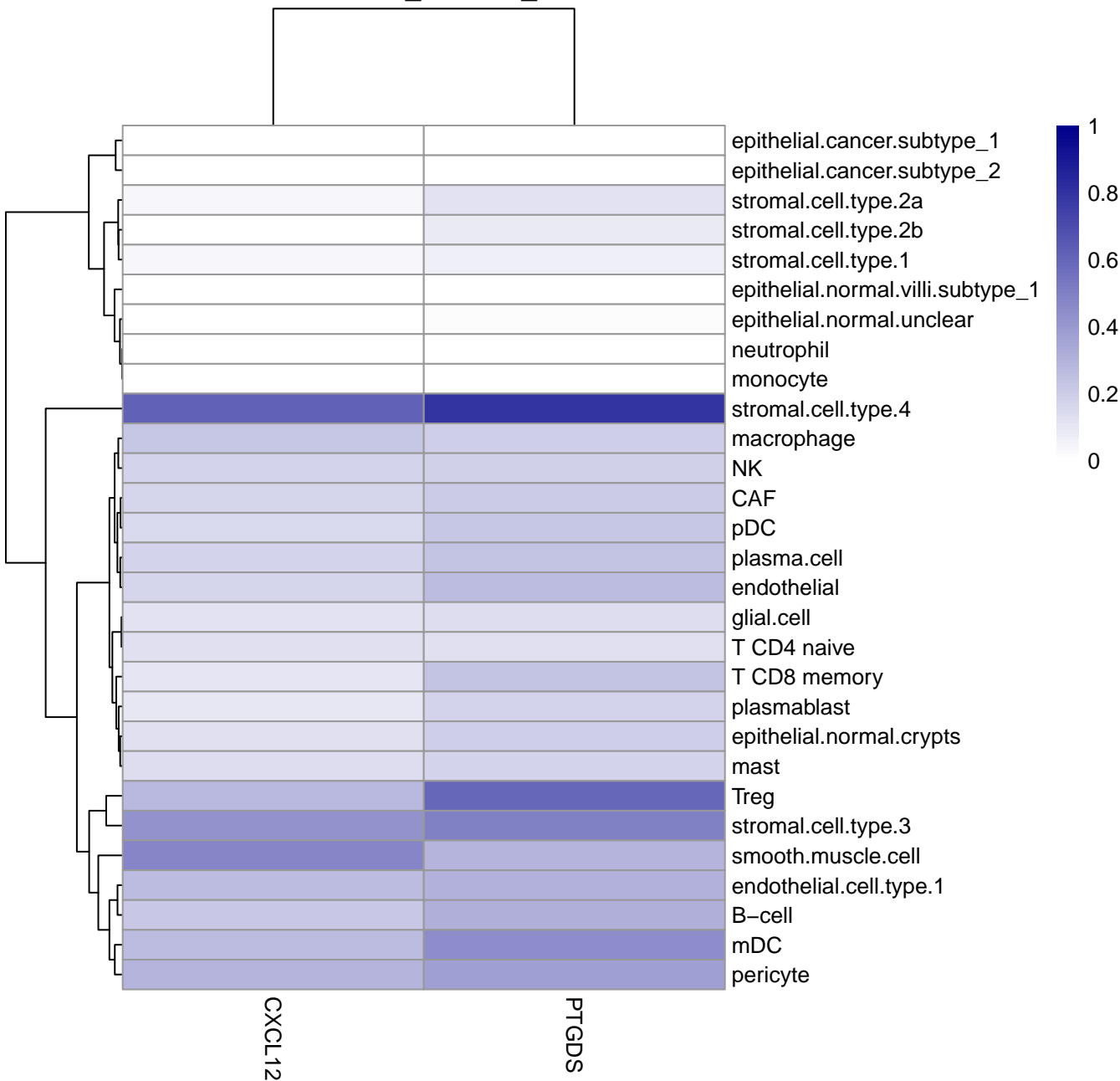
# CSMD3\_LEP\_2



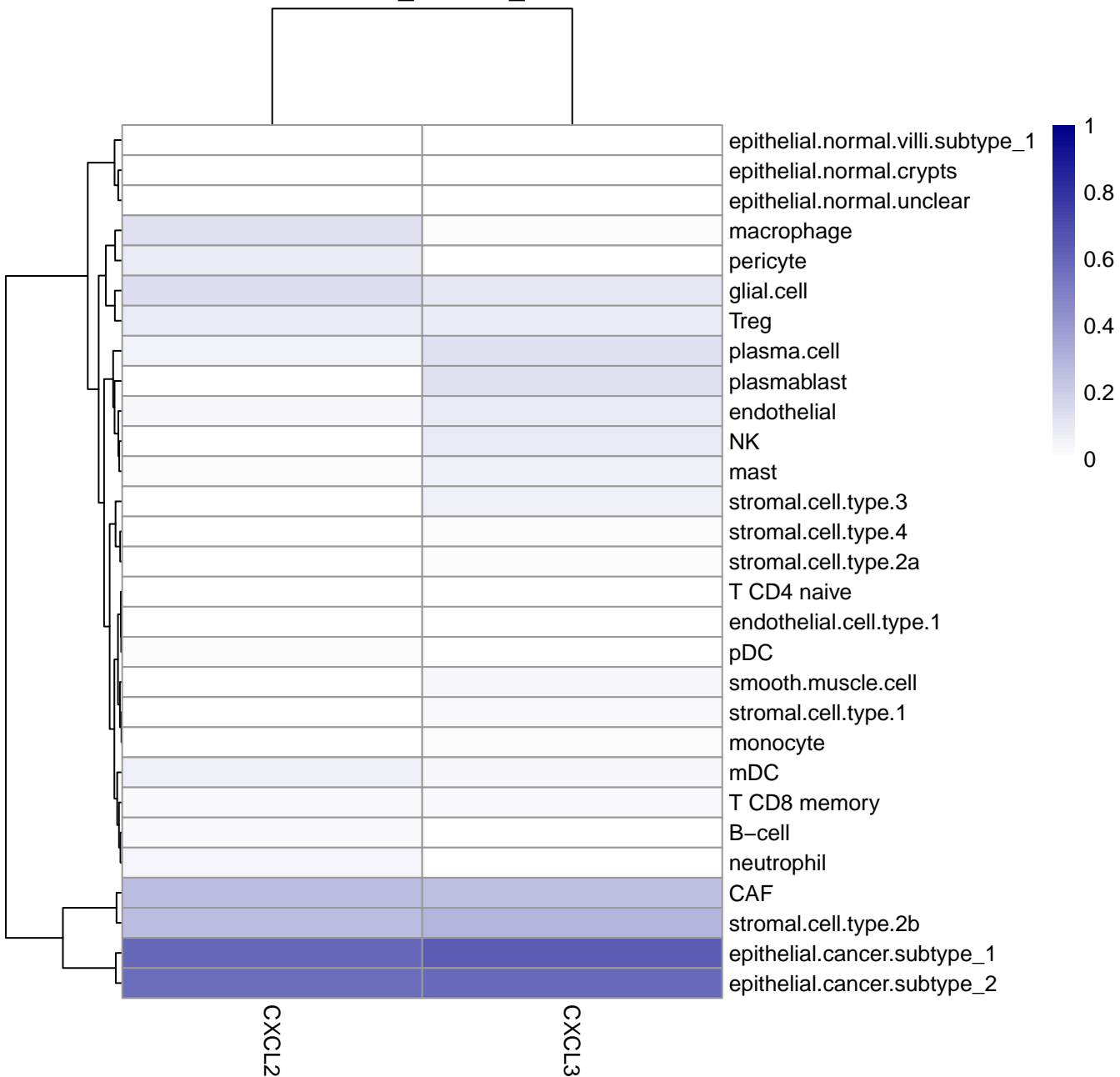
# PIGR\_CTSS\_2



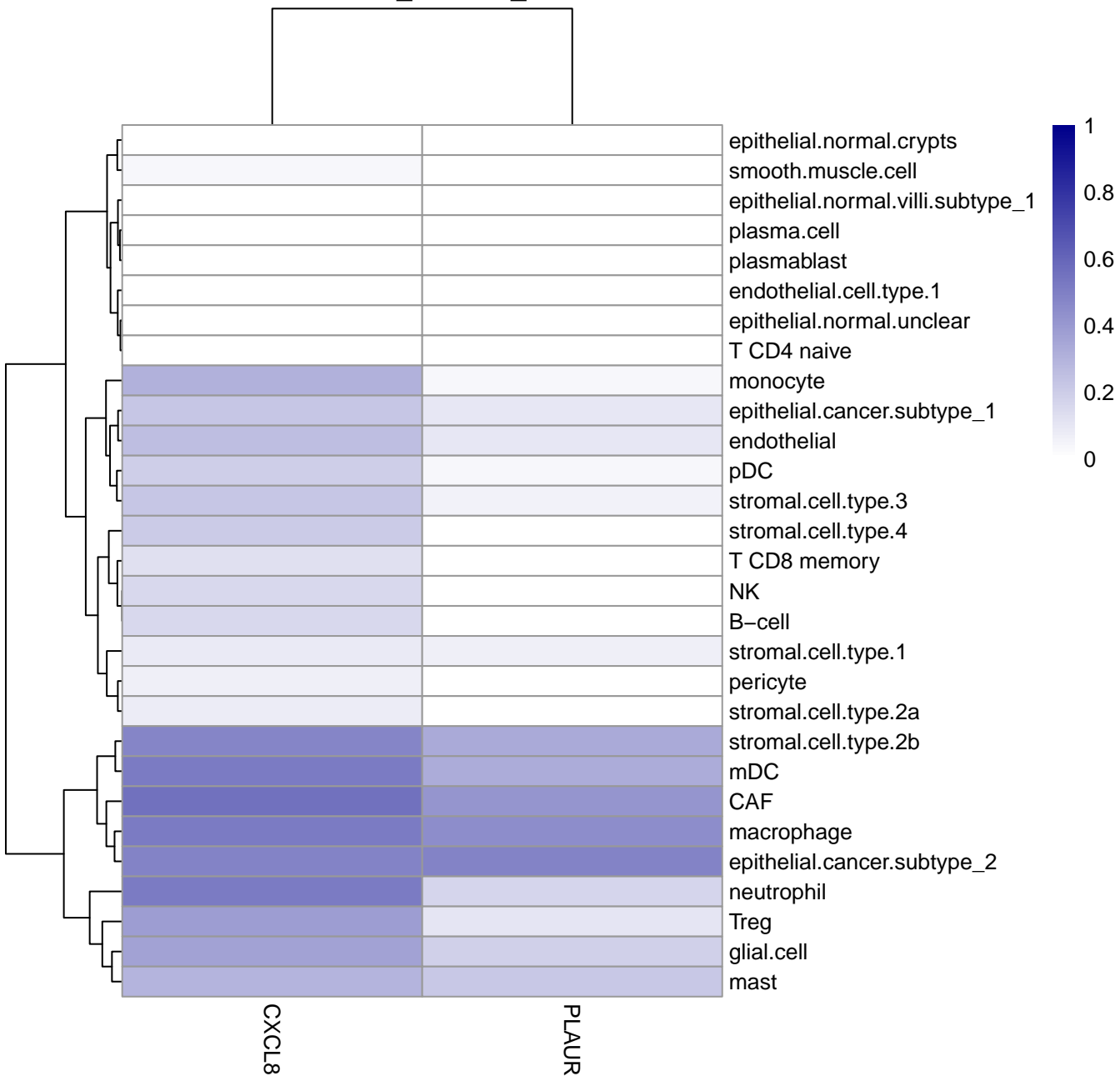
# CXCL12\_PTGDS\_2



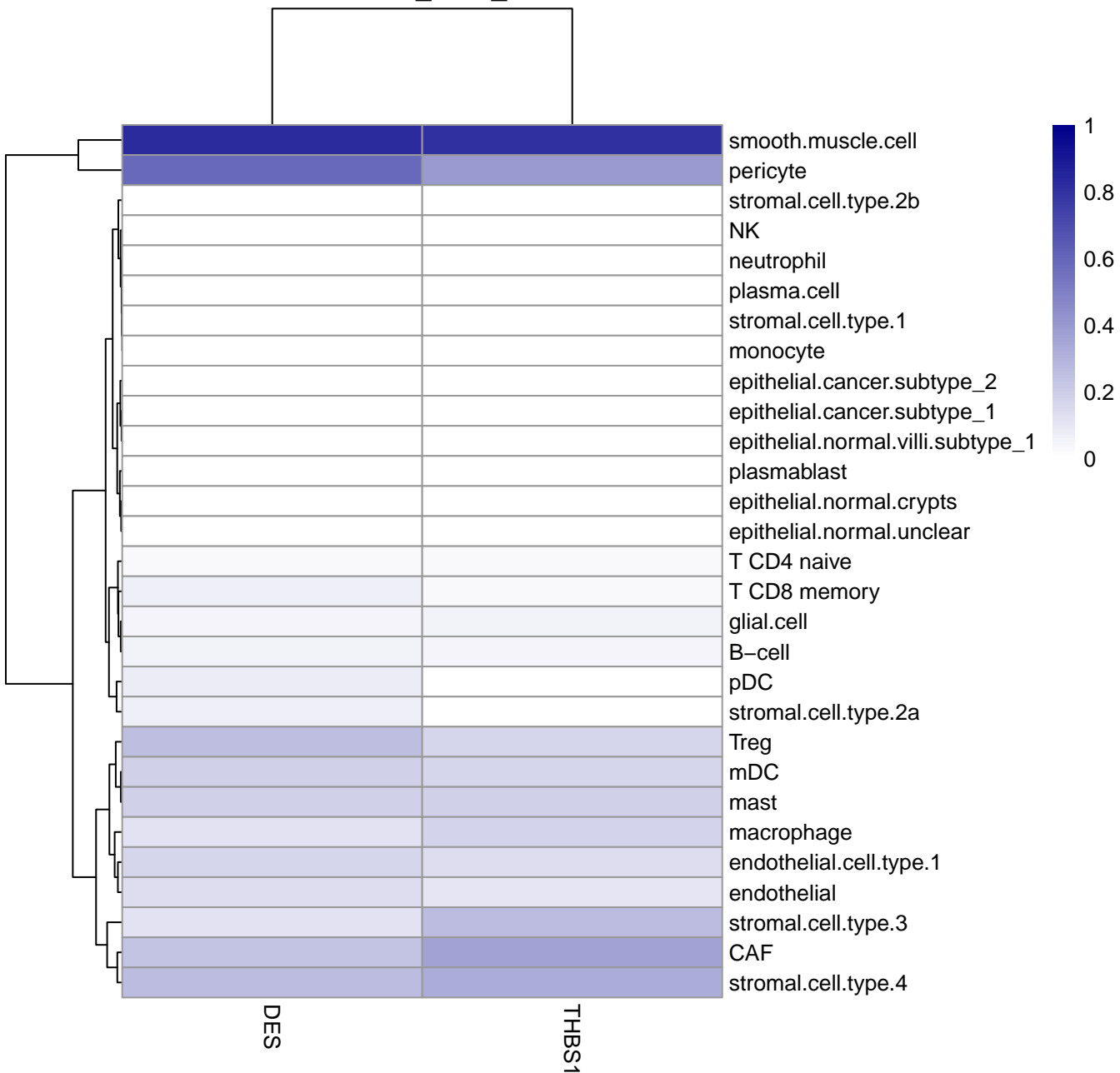
# CXCL2\_CXCL3\_2



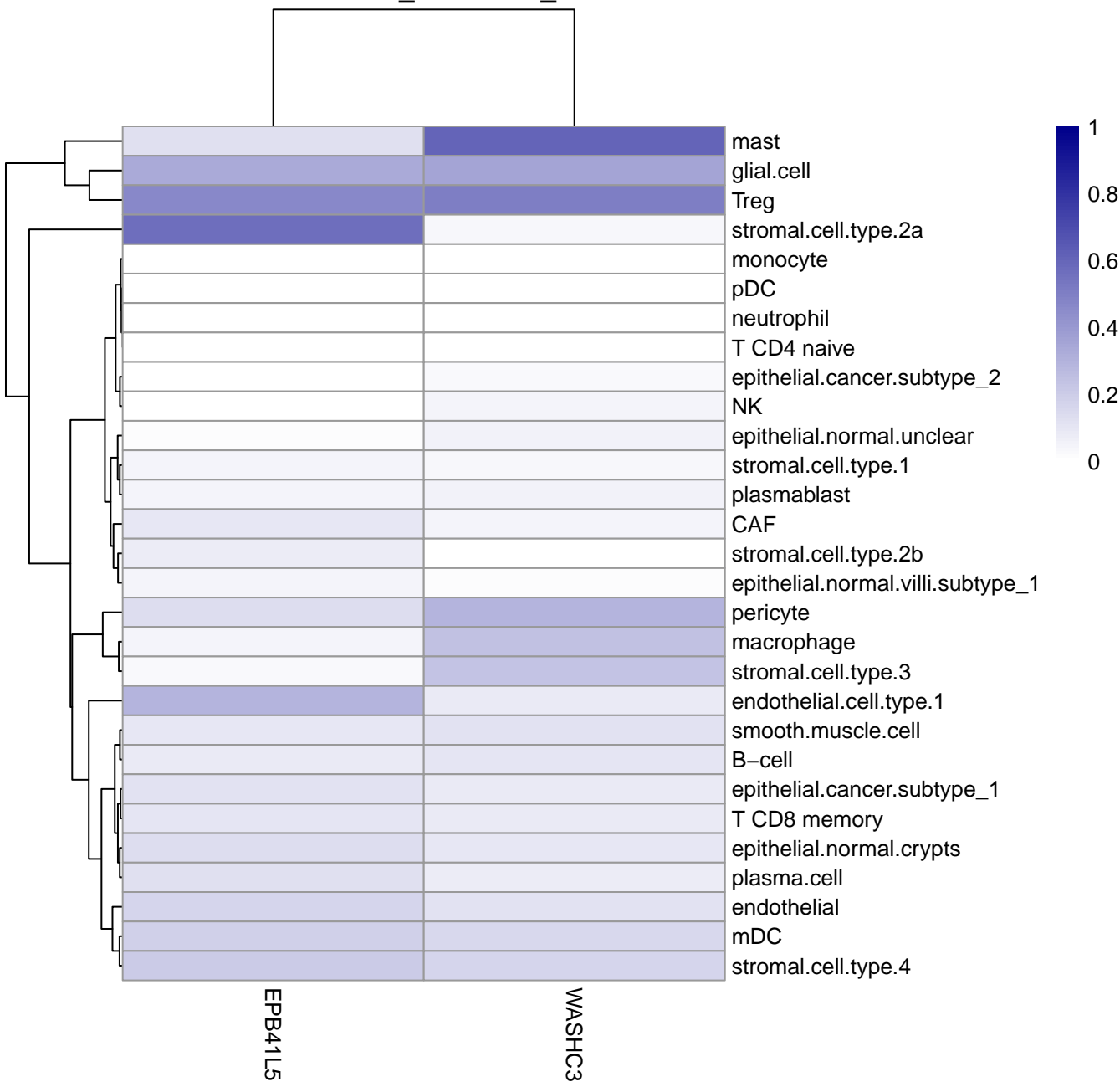
# CXCL8\_PLAUR\_2



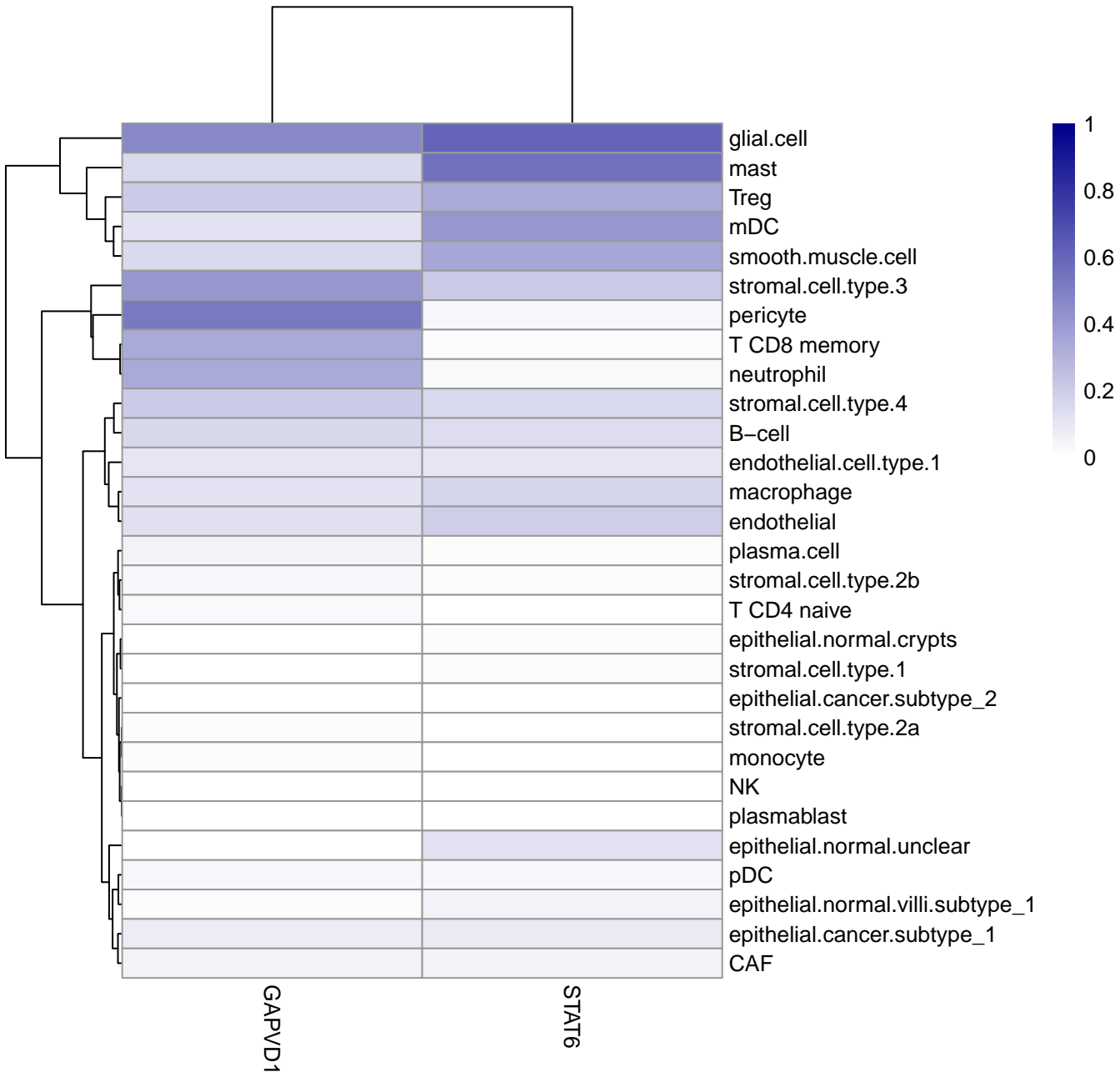
# THBS1\_DES\_2



# WASHC3\_EPB41L5\_2

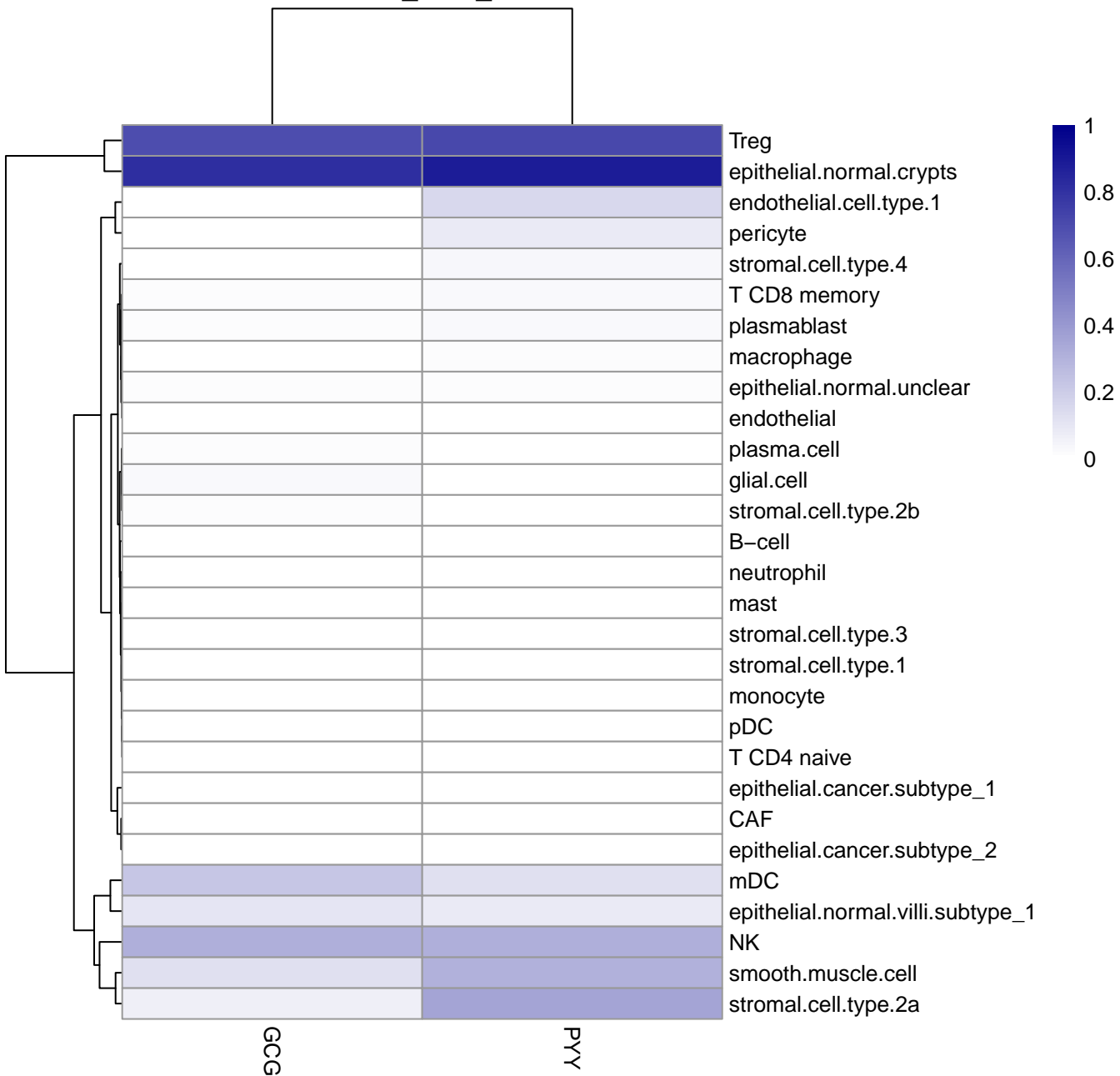


# GAPVD1\_STAT6\_2

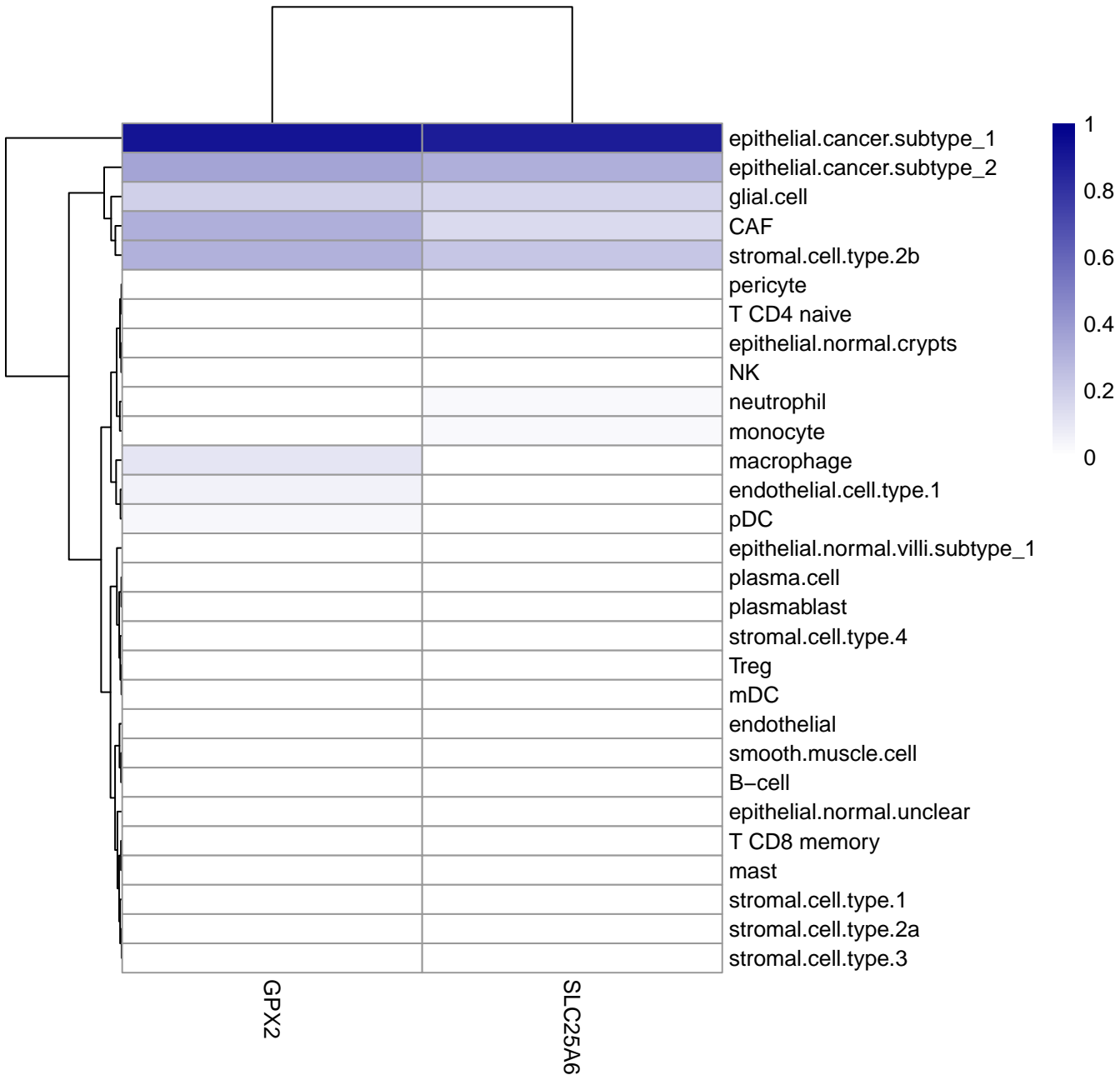




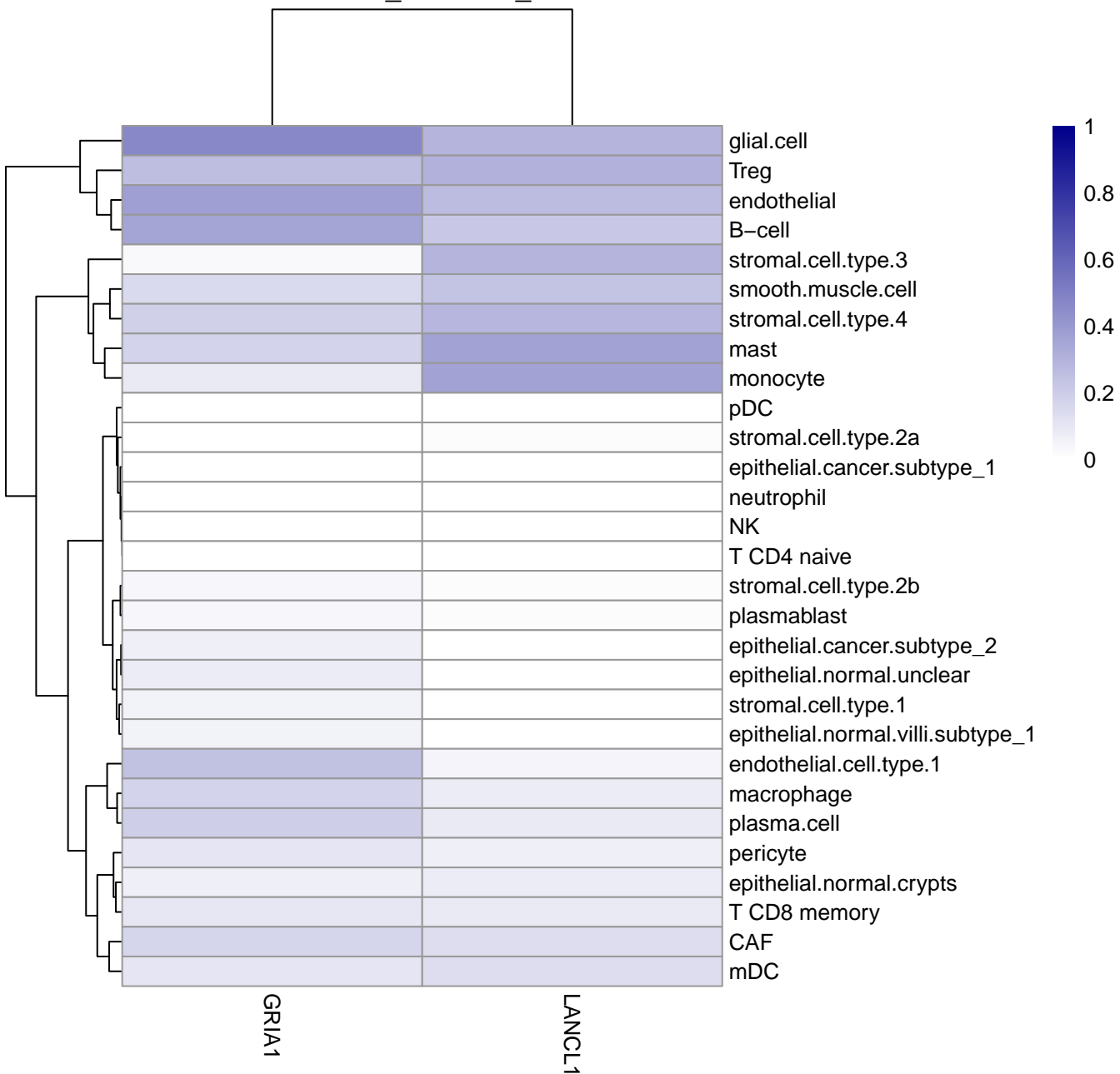
# GCG\_PYY\_2



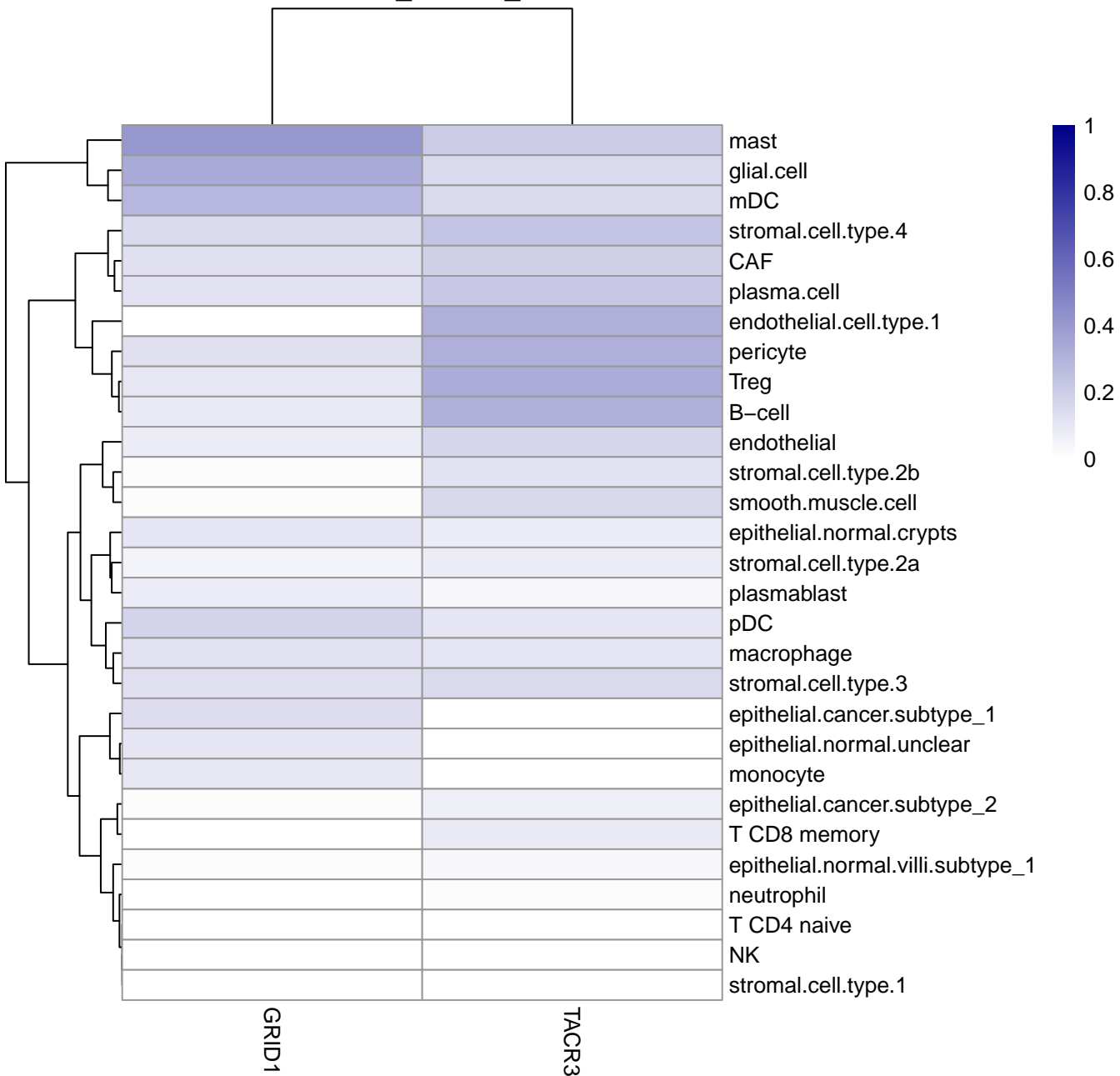
# GPX2\_SLC25A6\_2



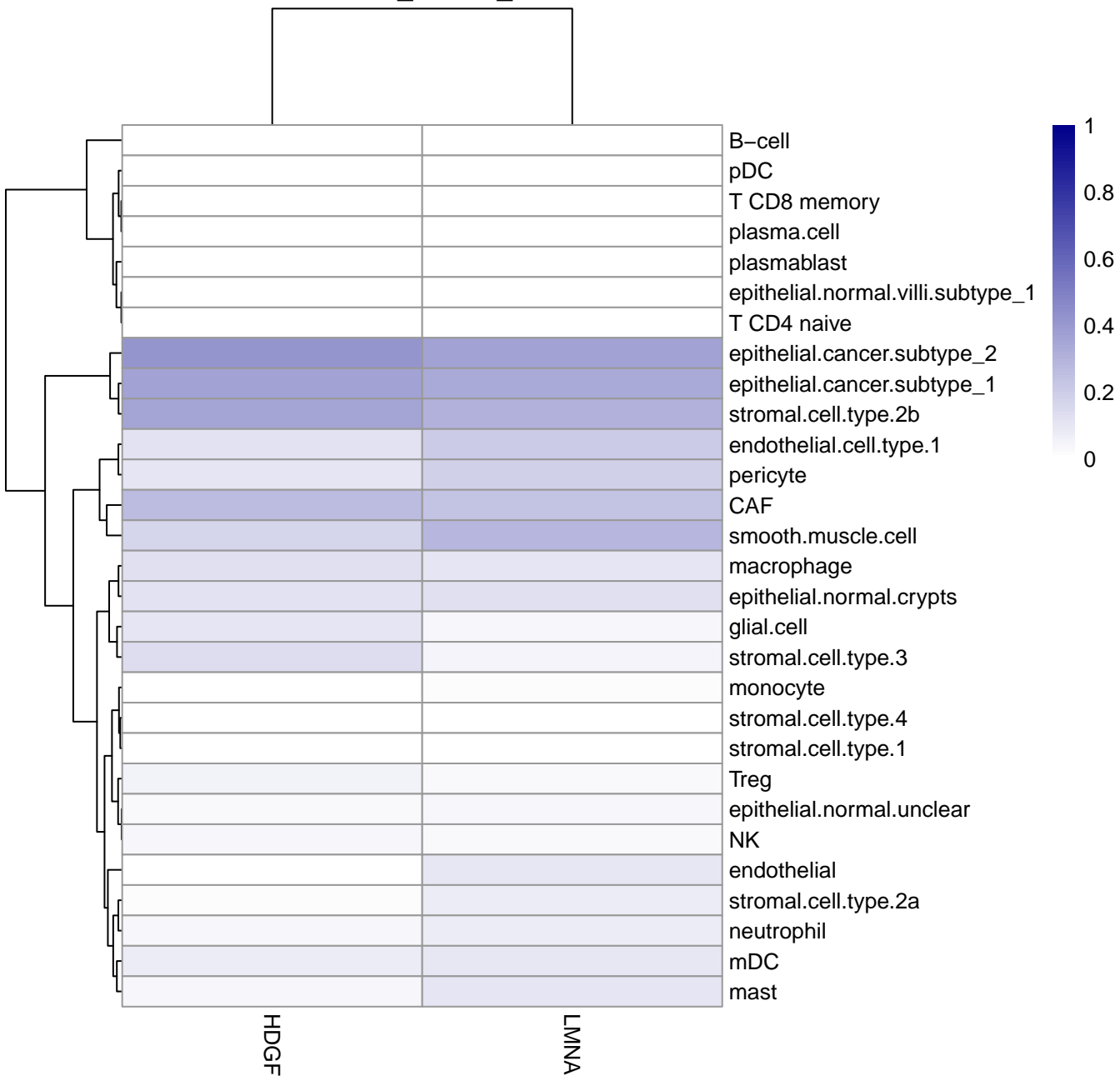
# GRIA1\_LANCL1\_2



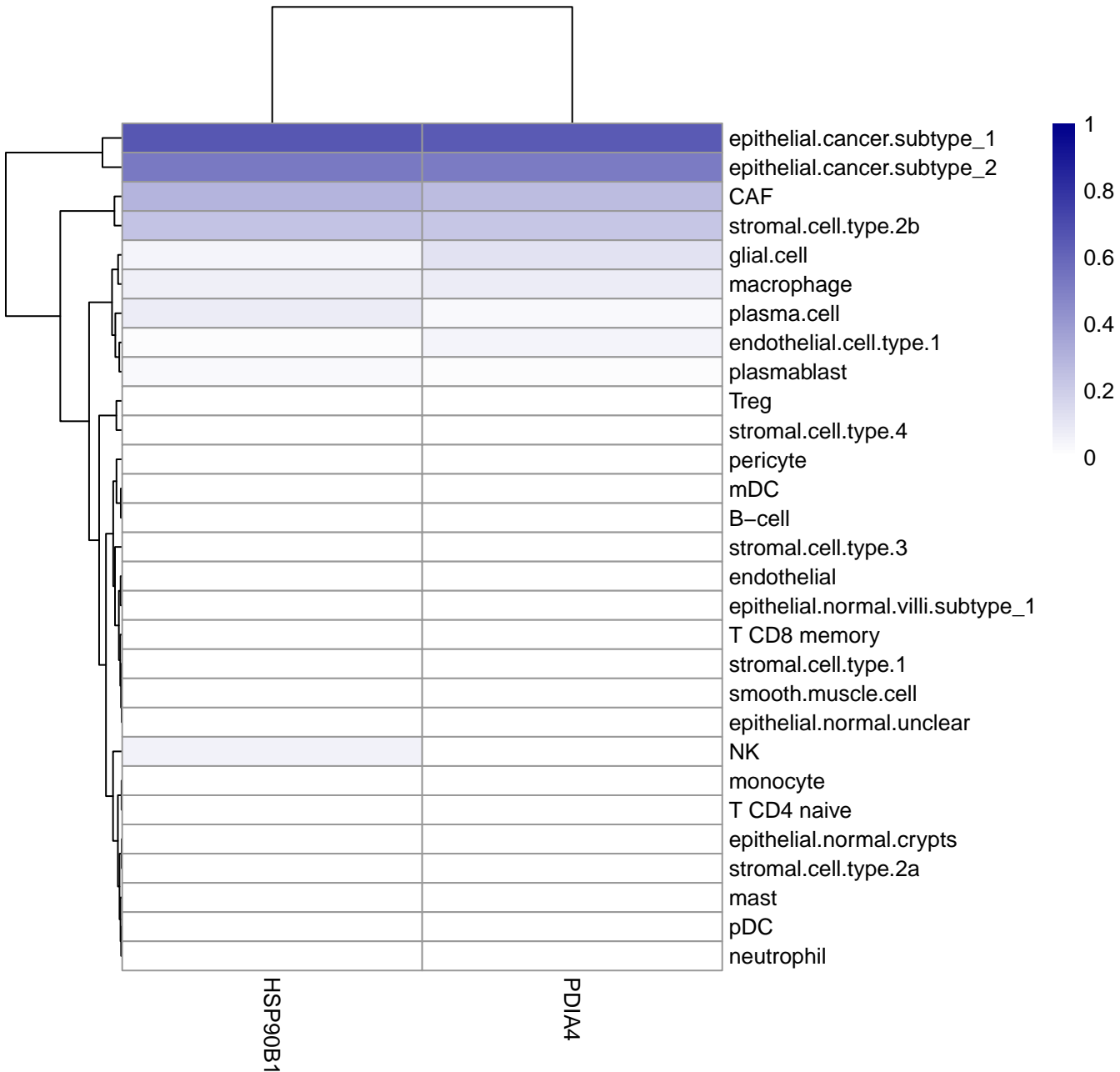
# GRID1\_TACR3\_2



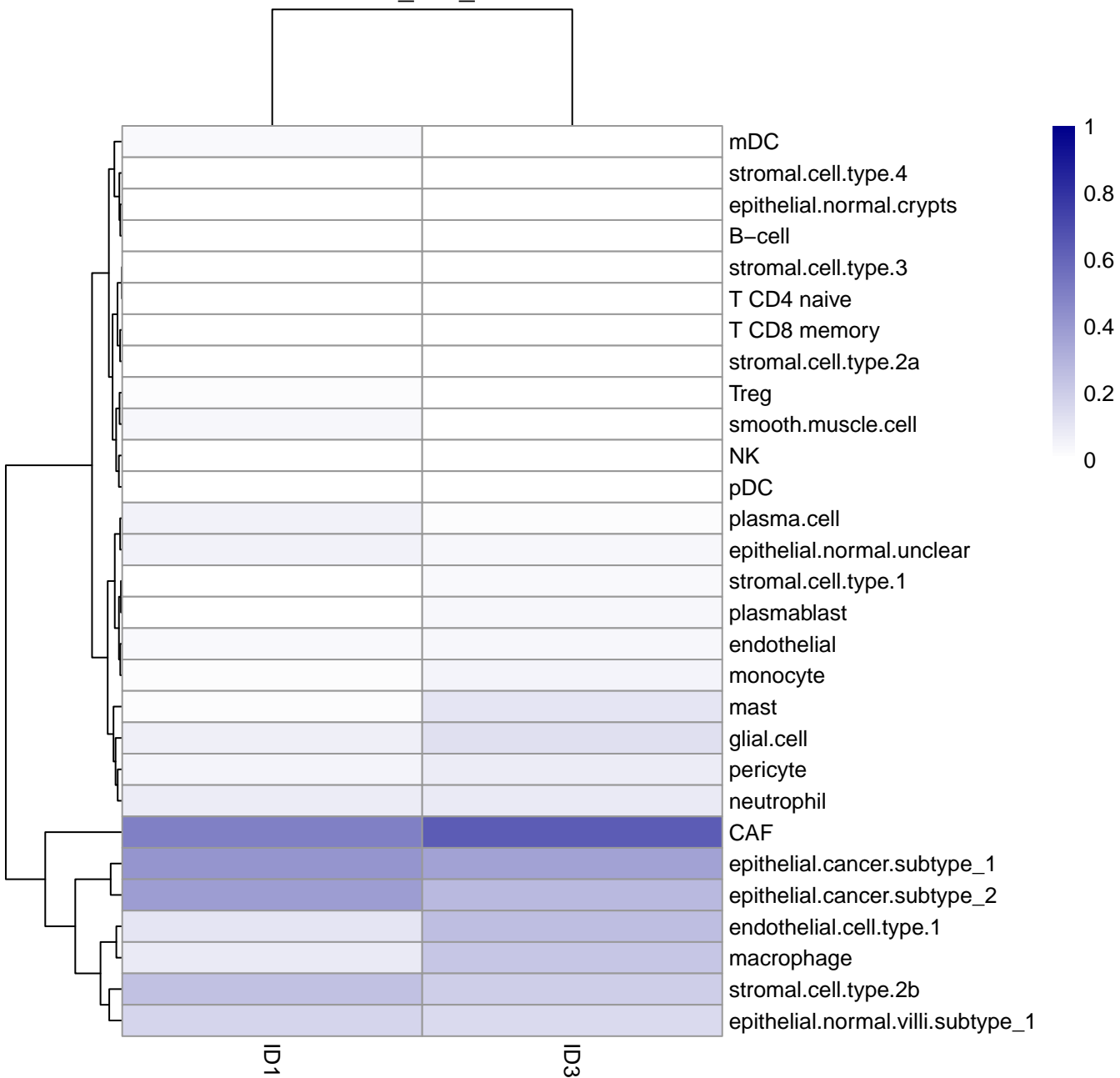
# HDGF\_LMNA\_2



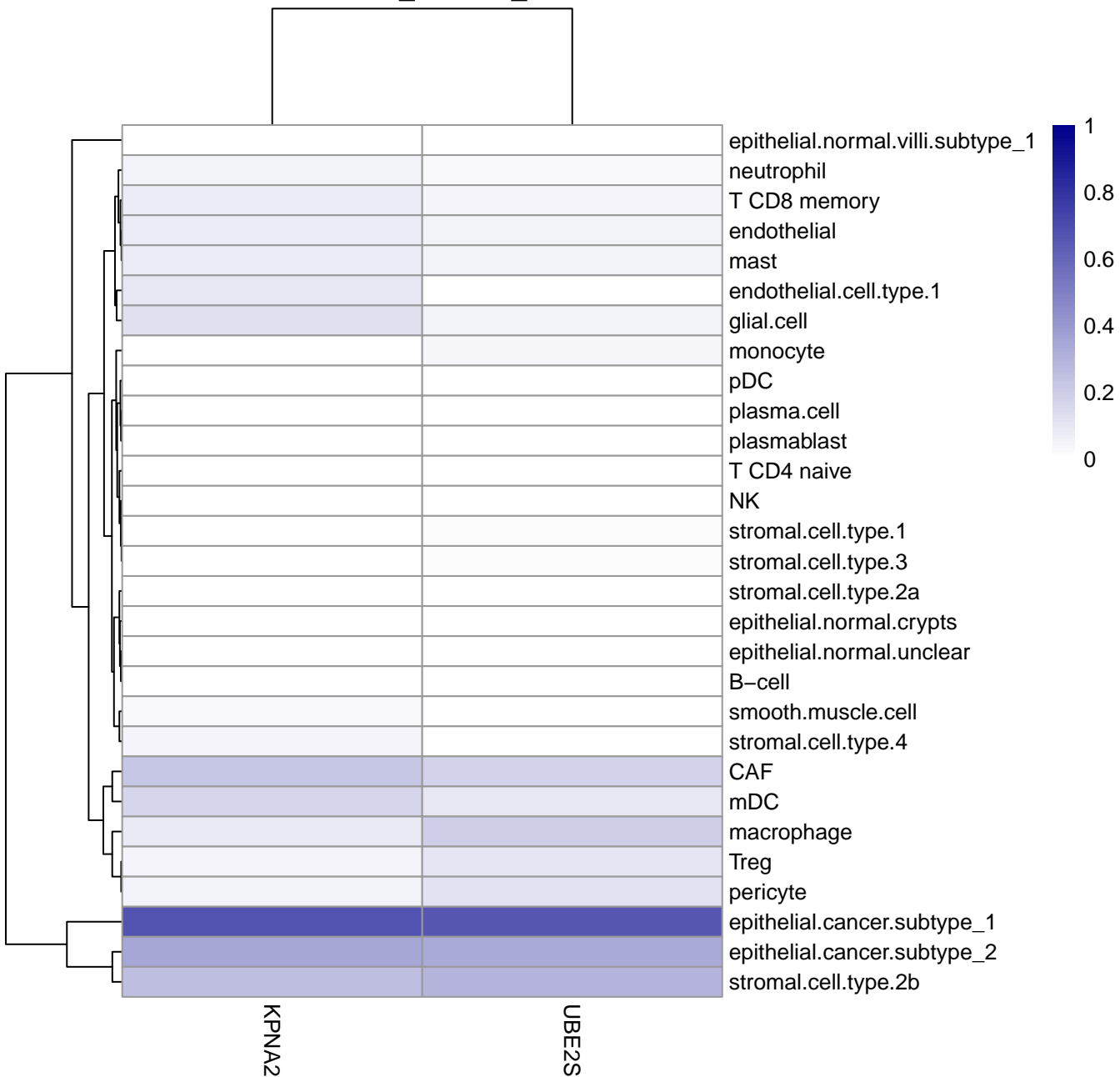
# HSP90B1\_PDIA4\_2



ID1\_ID3\_2

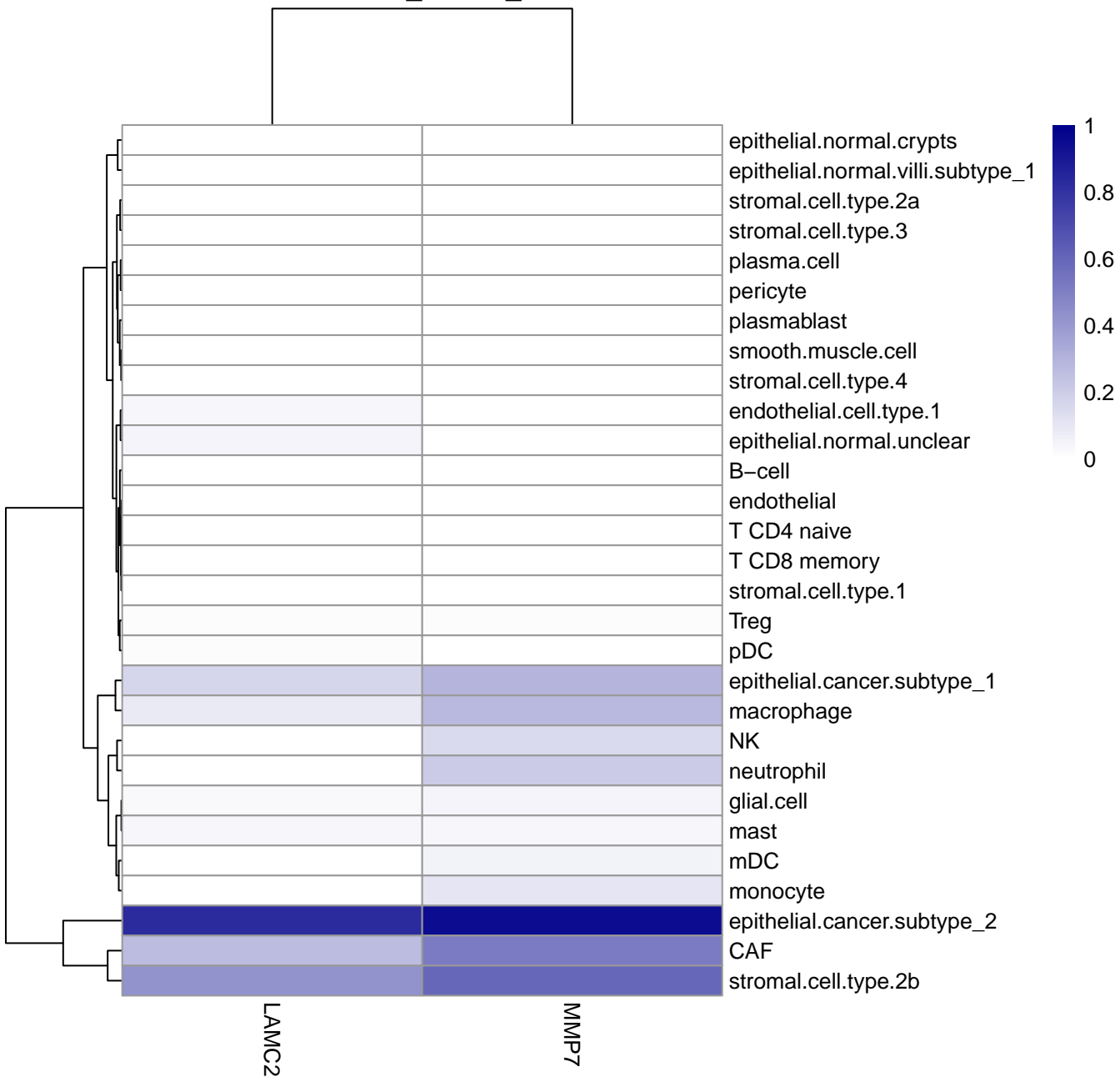


# KPNA2\_UBE2S\_2

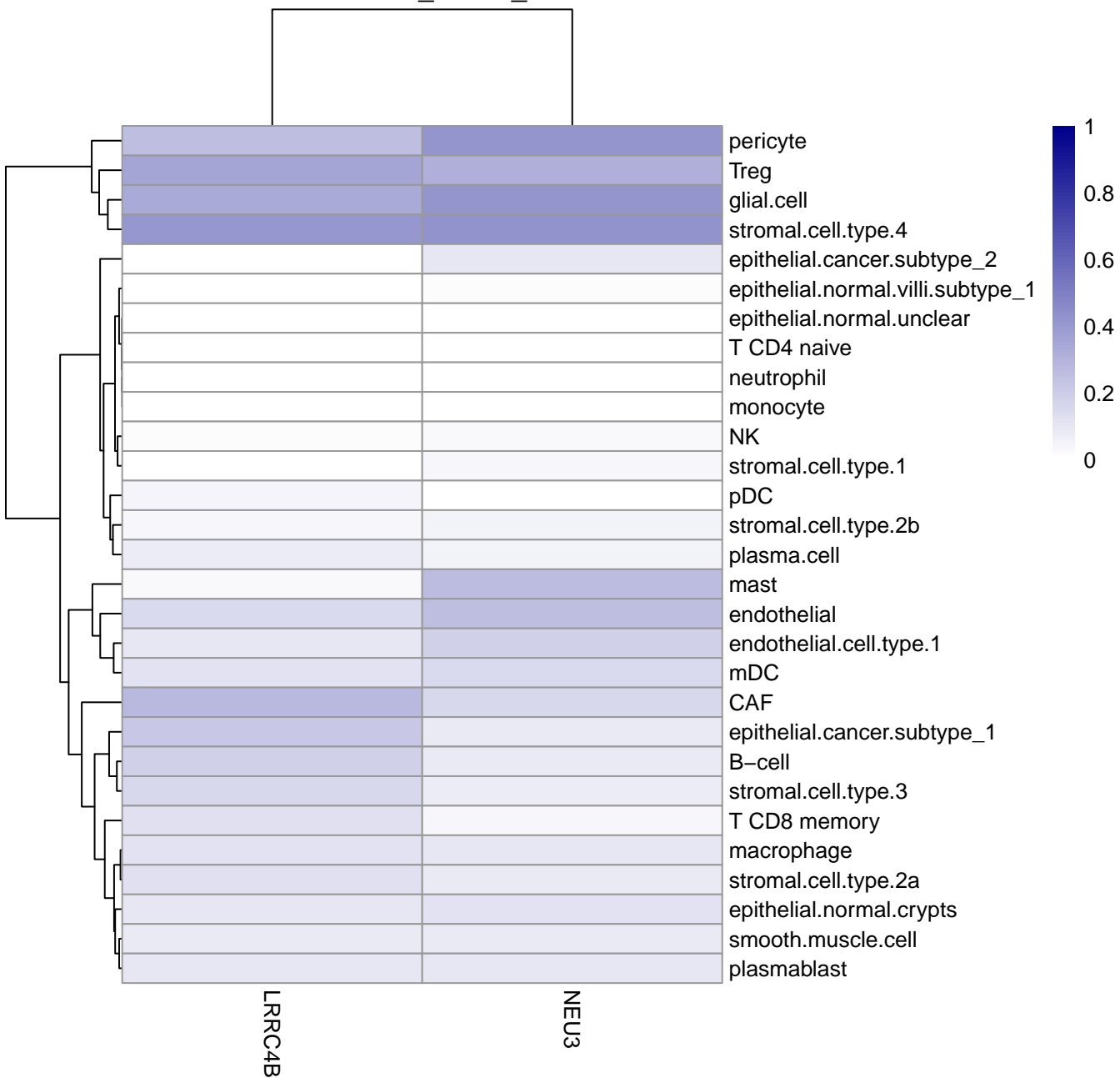




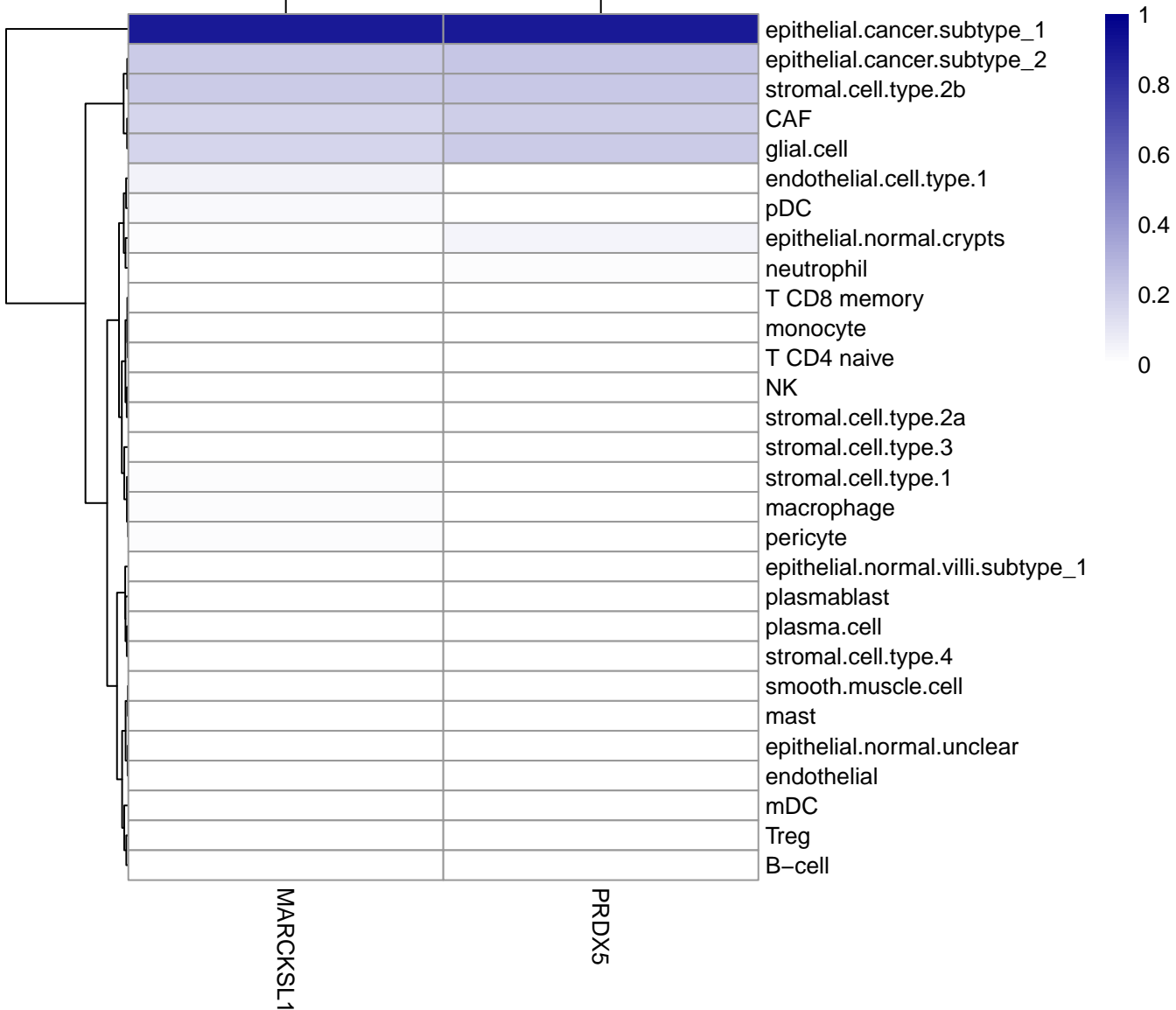
# LAMC2\_MMP7\_2



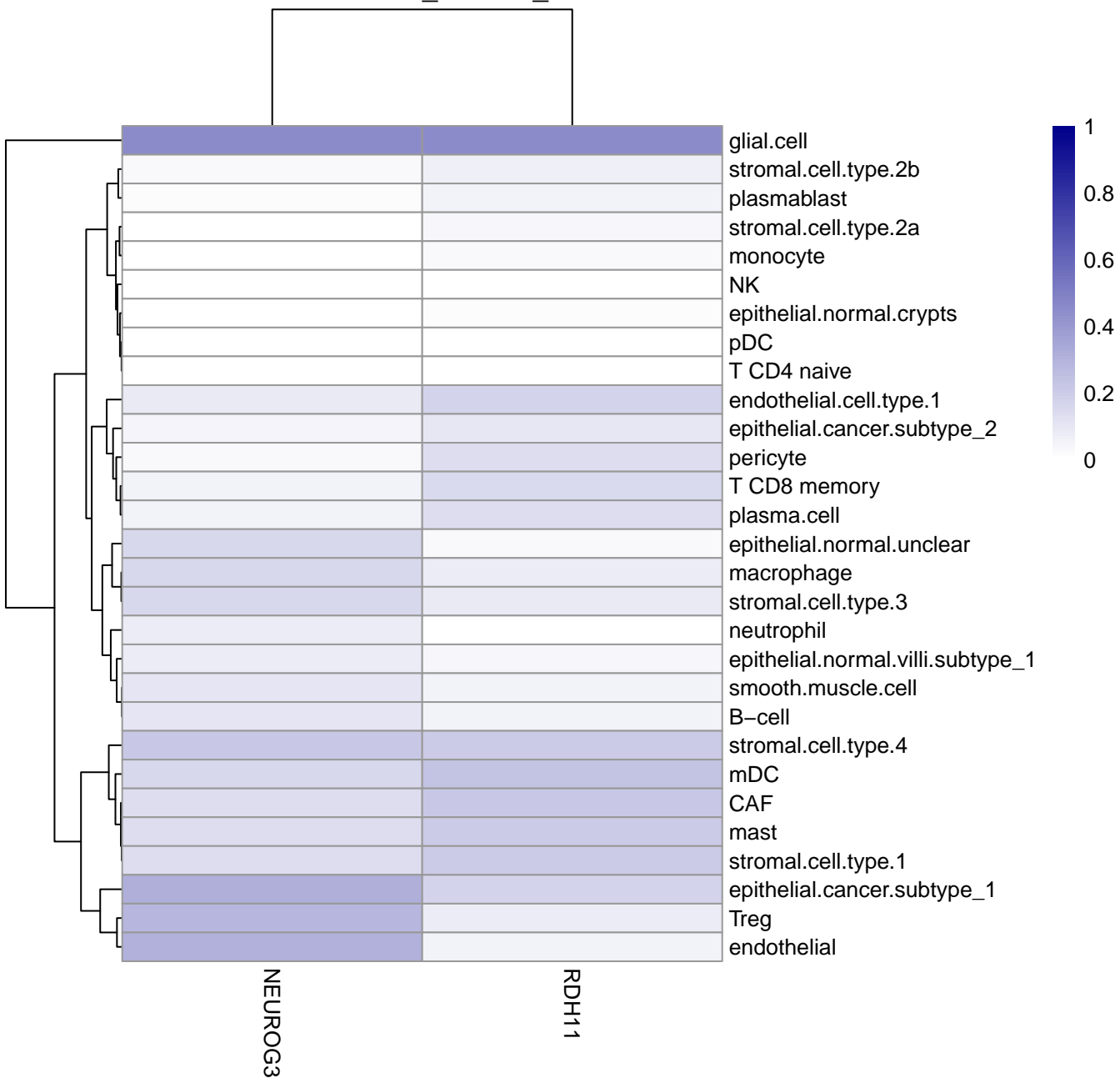
# LRRC4B\_NEU3\_2



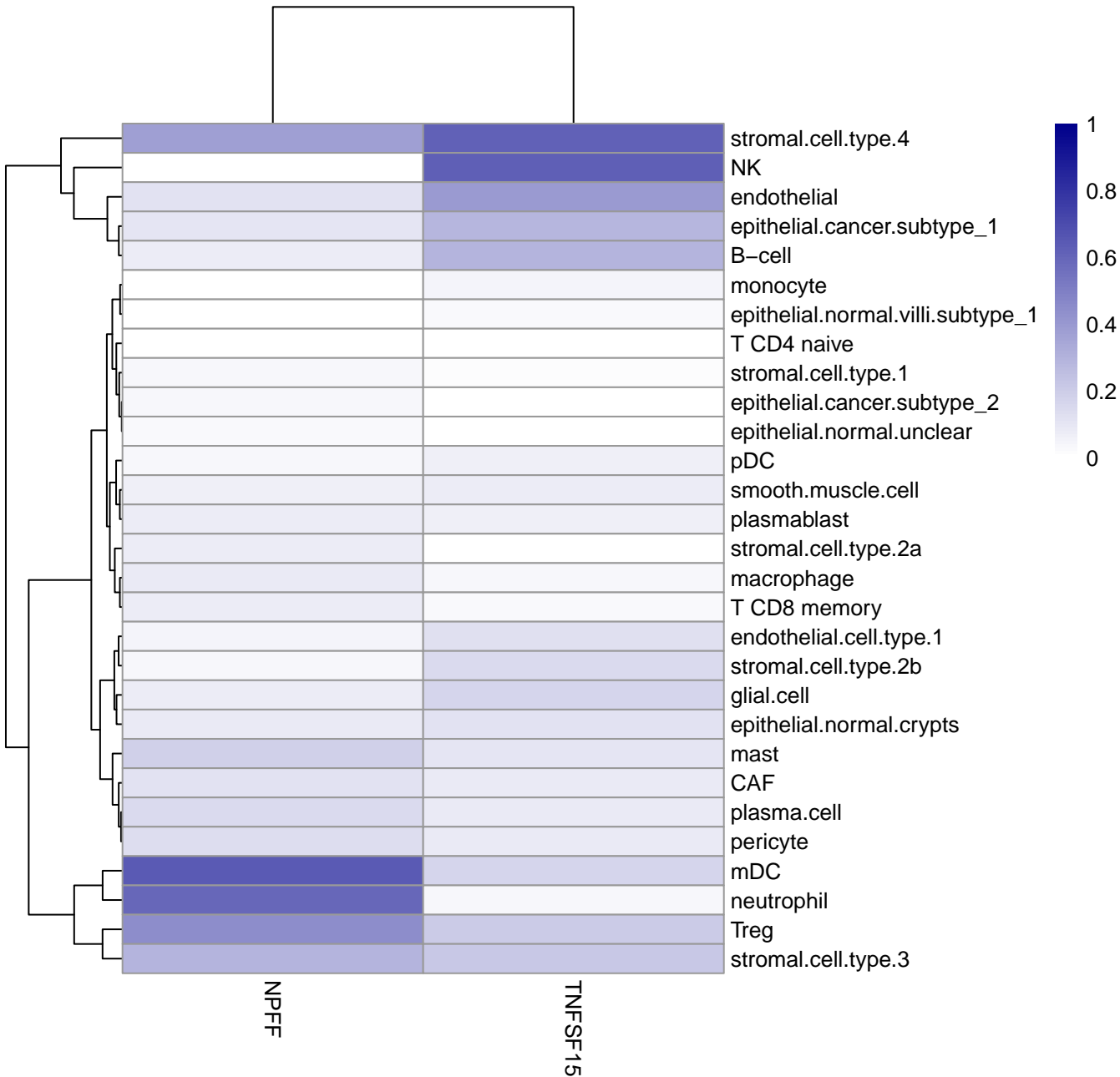
## MARCKSL1\_PRDX5\_2



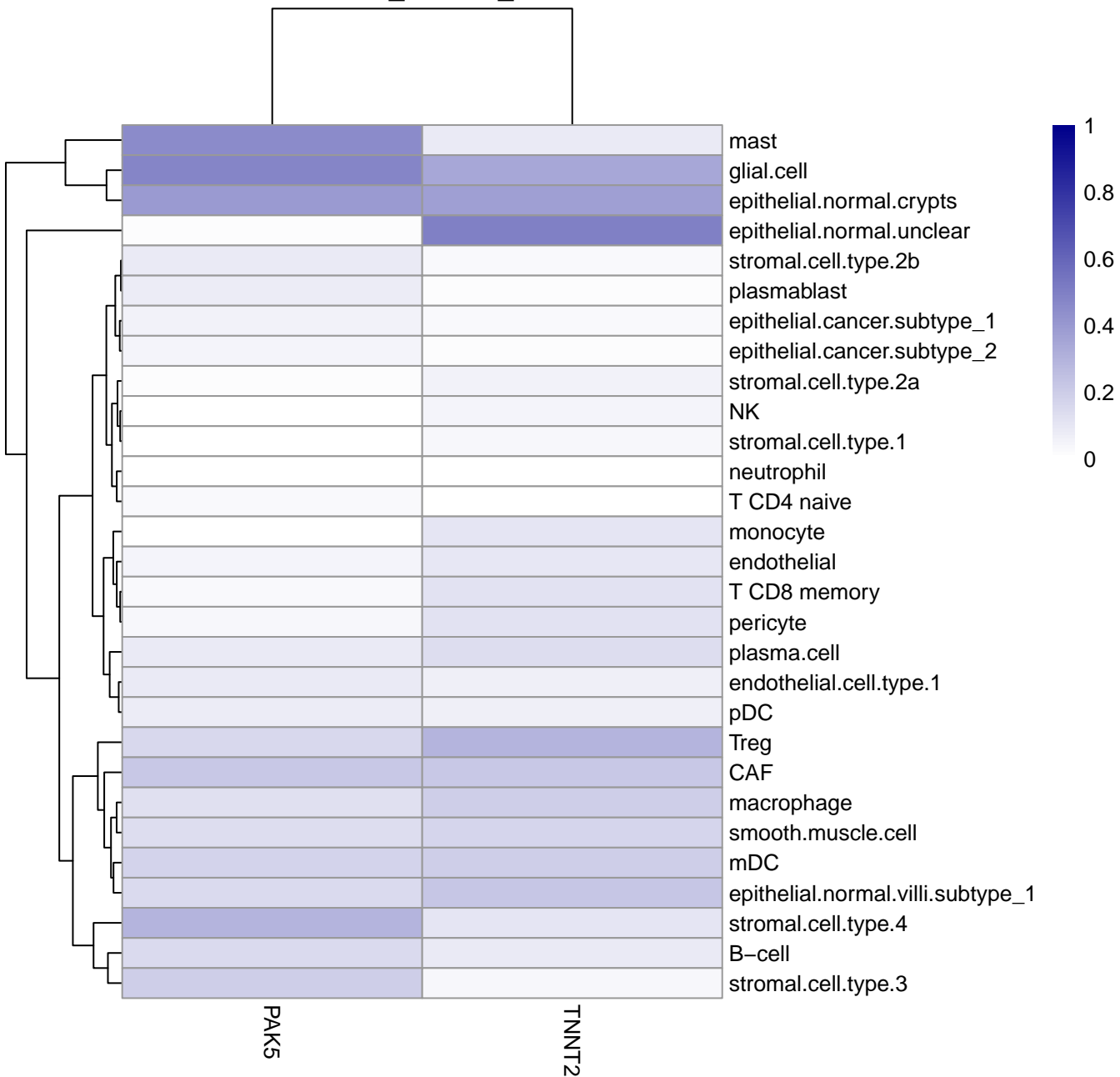
# NEUROG3\_RDH11\_2



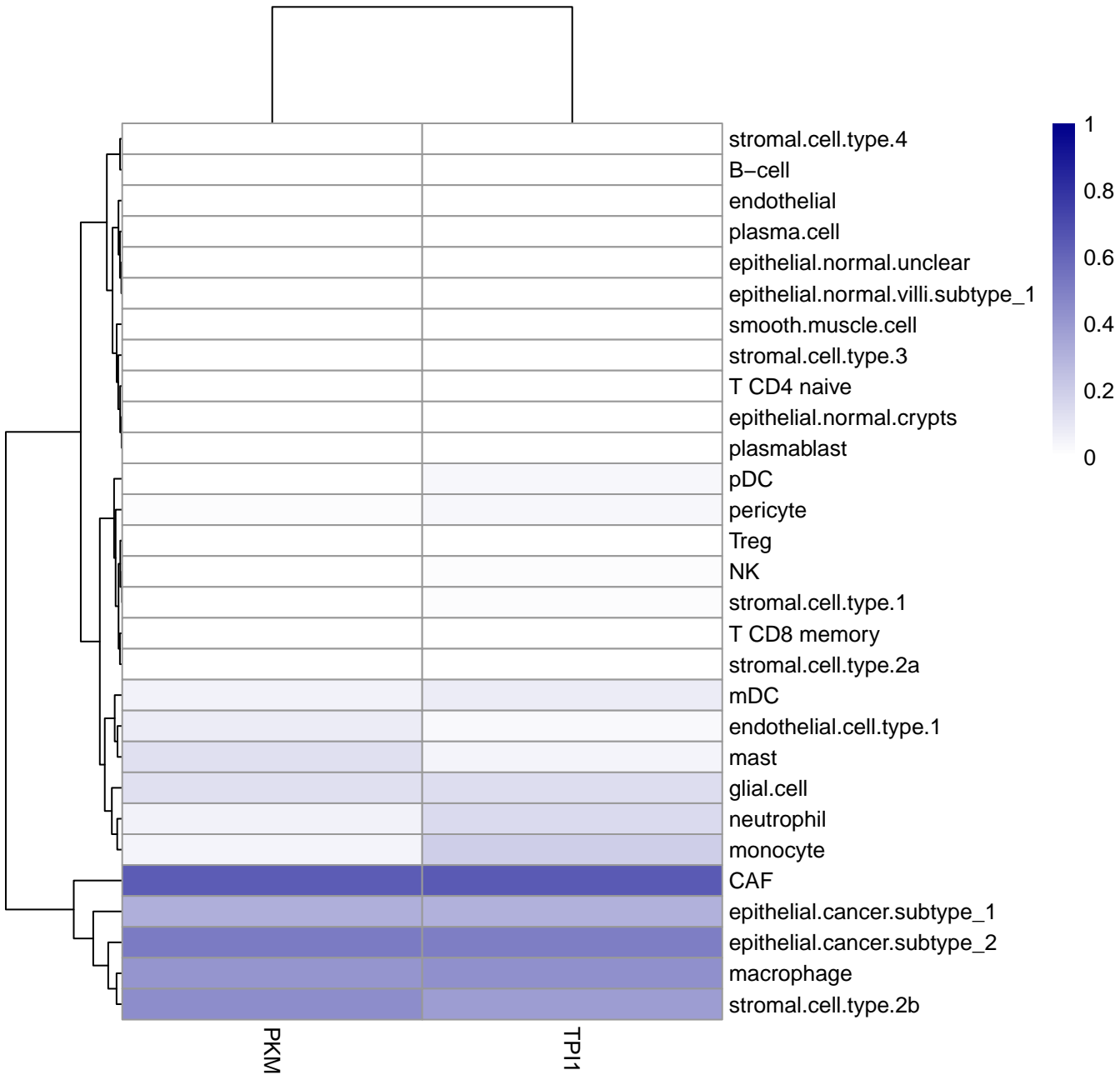
# NPFF\_TNFSF15\_2



# PAK5\_TNNT2\_2



# PKM\_TPI1\_2



# RAB27B\_TOLLIP\_2

