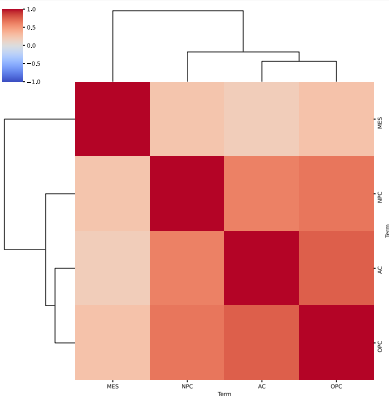# Deciphering the landscape of cell states in Glioblastoma
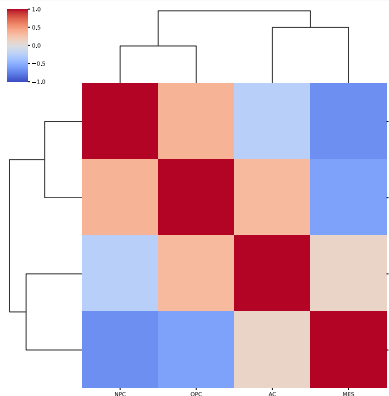
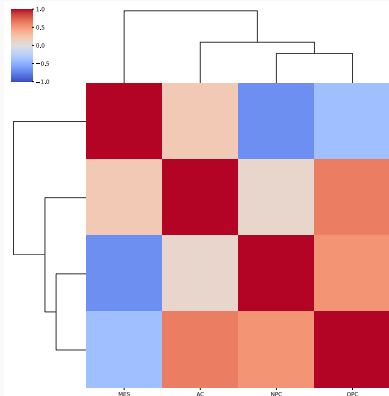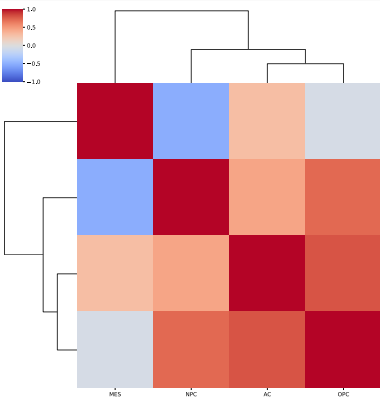Harshavardhan BV

July 5, 2023

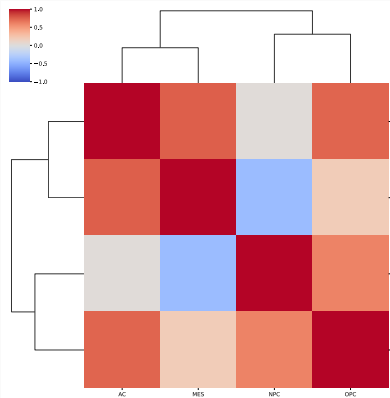IISc Bangalore

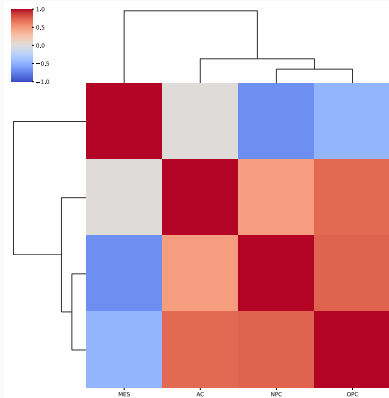(a) CCLE (b) GSE131928 - GSM3828672 (Smartseq2) (c) GSE131928 - GSM3828673 (10X)

Figure 1: Correlation of ssGSEA/AUCell scores

(d) GSE168004 - OSM (treated)

(e) GSE168004 - mgg23 (Control)

(f) GSE168004 - mgg75 (Control)
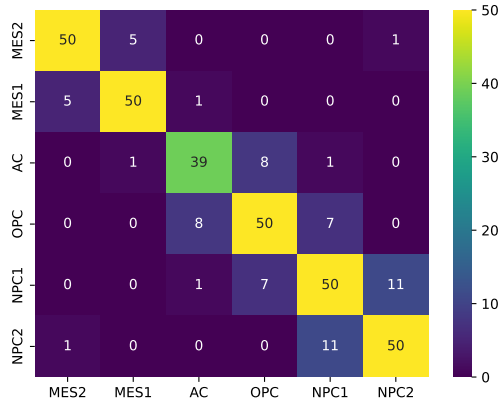
Figure 1: Correlation of ssGSEA/AUCell scores
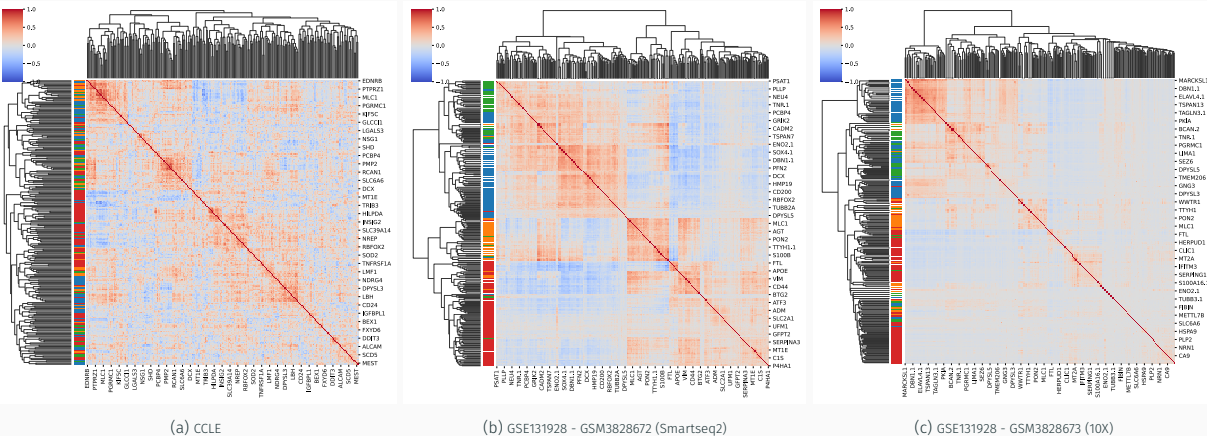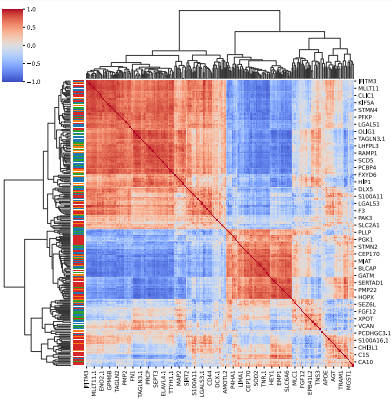
Figure 2: Overlap of genes in the signatures

(a) CCLE

(b) GSE131928 - GSM3828672 (Smartseq2)

(c) GSE131928 - GSM3828673 (10X)
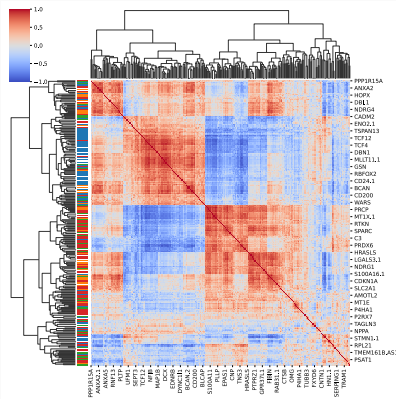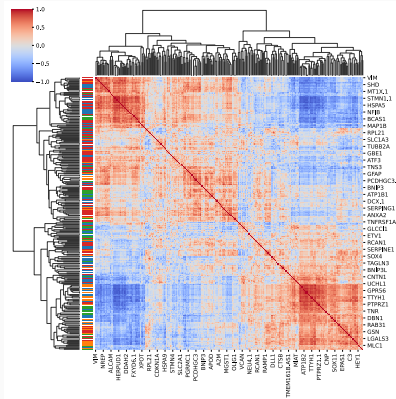
Figure 3: Correlation of signature expression
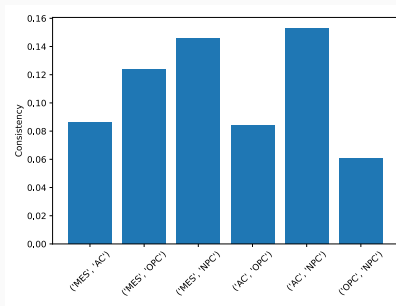
(d) GSE168004 - OSM (treated)
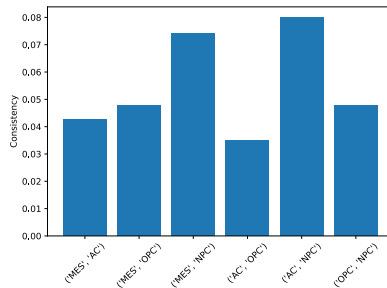
(e) GSE168004 - mgg23 (Control)

(f) GSE168004 - mgg75 (Control)
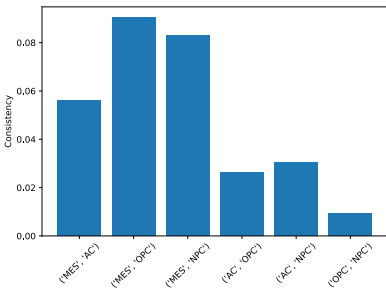
Figure 3: Correlation of signature expression
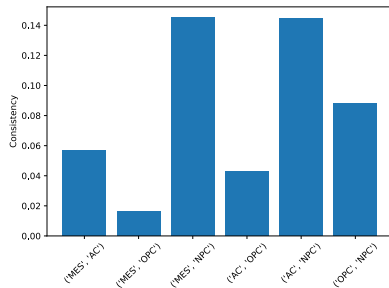
(a) GSE131928 - GSM3828672 (Smartseq2)

(b) GSE131928 - GSM3828673 (10X)

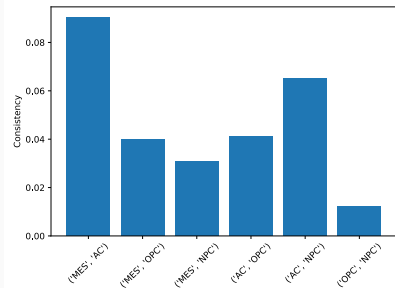Figure 4: Consistency of correlation of signature expression

(c) GSE168004 - OSM (treated)

(d) GSE168004 - mgg23 (Control)

(e) GSE168004 - mgg75 (Control)

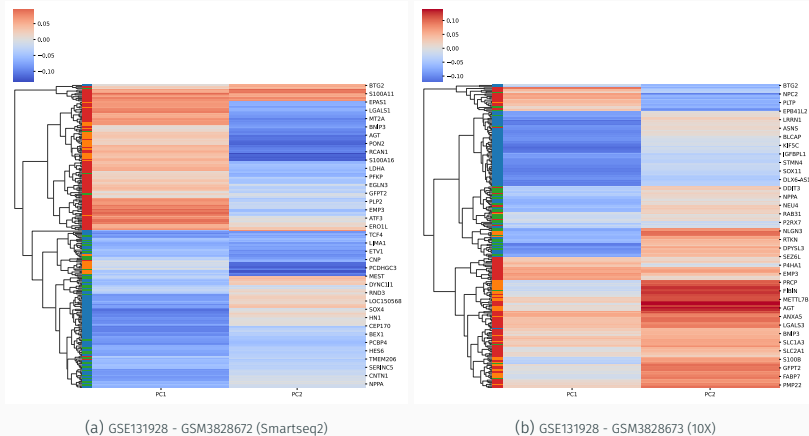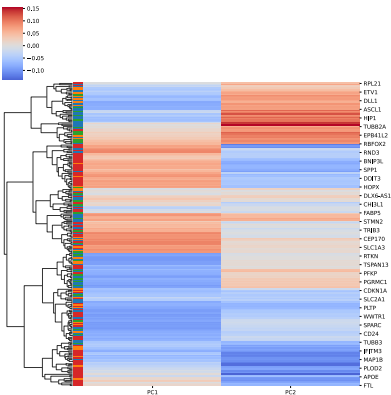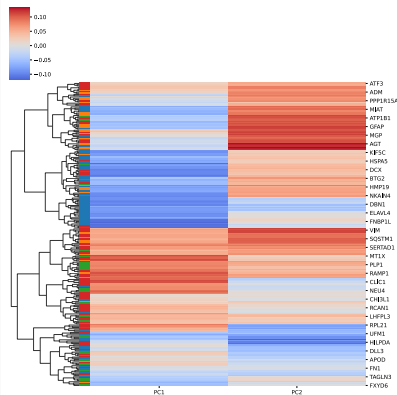Figure 4: Consistency of correlation of signature expression

(a) GSE131928 - GSM3828672 (Smartseq2)

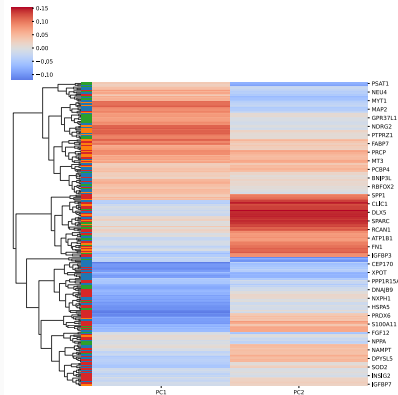(b) GSE131928 - GSM3828673 (10X)

Figure 5: Loadings of PCA on signature expression

(c) GSE168004 - OSM (treated)

(d) GSE168004 - mgg23 (Control)

(e) GSE168004 - mgg75 (Control)
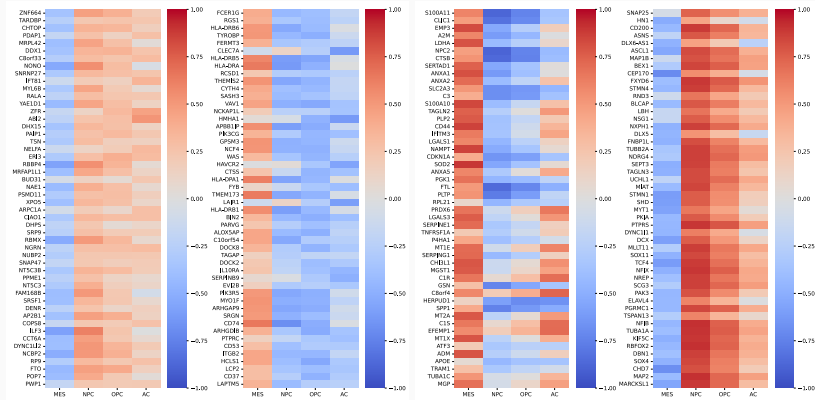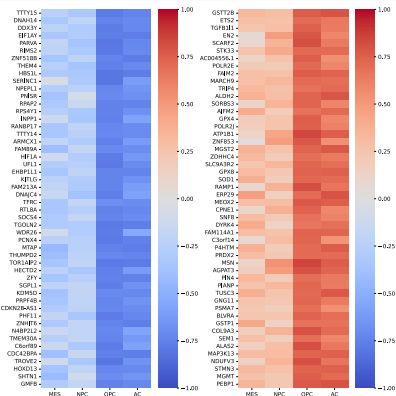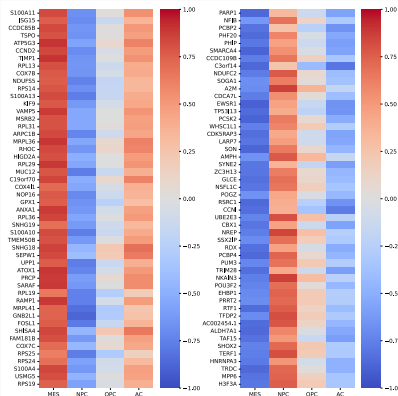
Figure 5: Loadings of PCA on signature expression

(a) GSE131928 - GSM3828672 (Smartseq2)

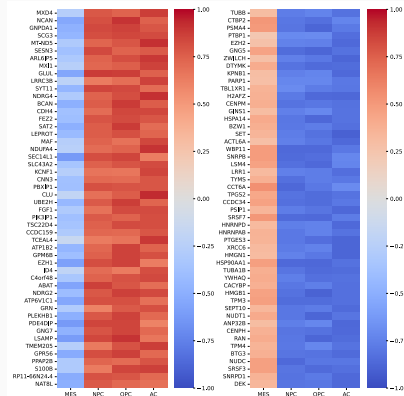(b) GSE131928 - GSM3828673 (10X)

Figure 6: Correlation of top loading PCA with AUCell scores

(c) GSE168004 - OSM (treated)   (d) GSE168004 - mgg23 (Control)   (e) GSE168004 - mgg75 (Control)

Figure 6: Correlation of top loading PCA with AUCell score