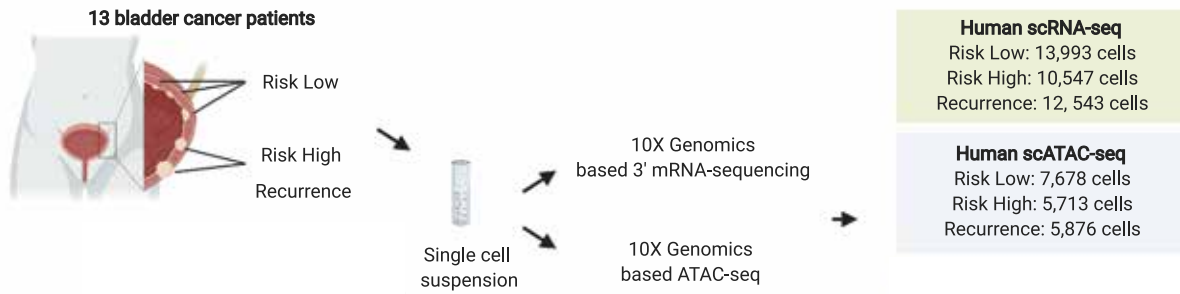
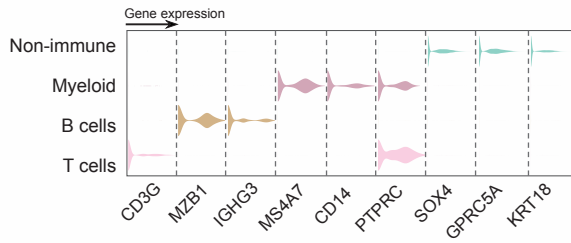


# Supplementary Figure 1

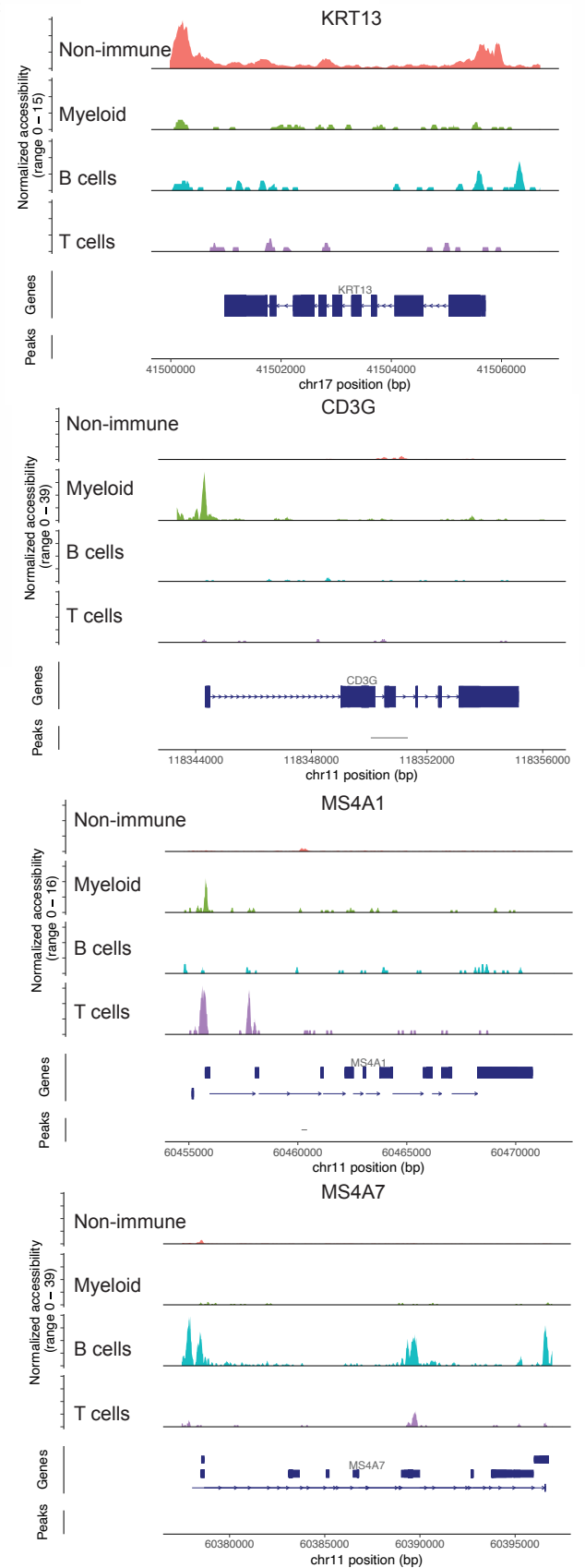
**A**



**B**

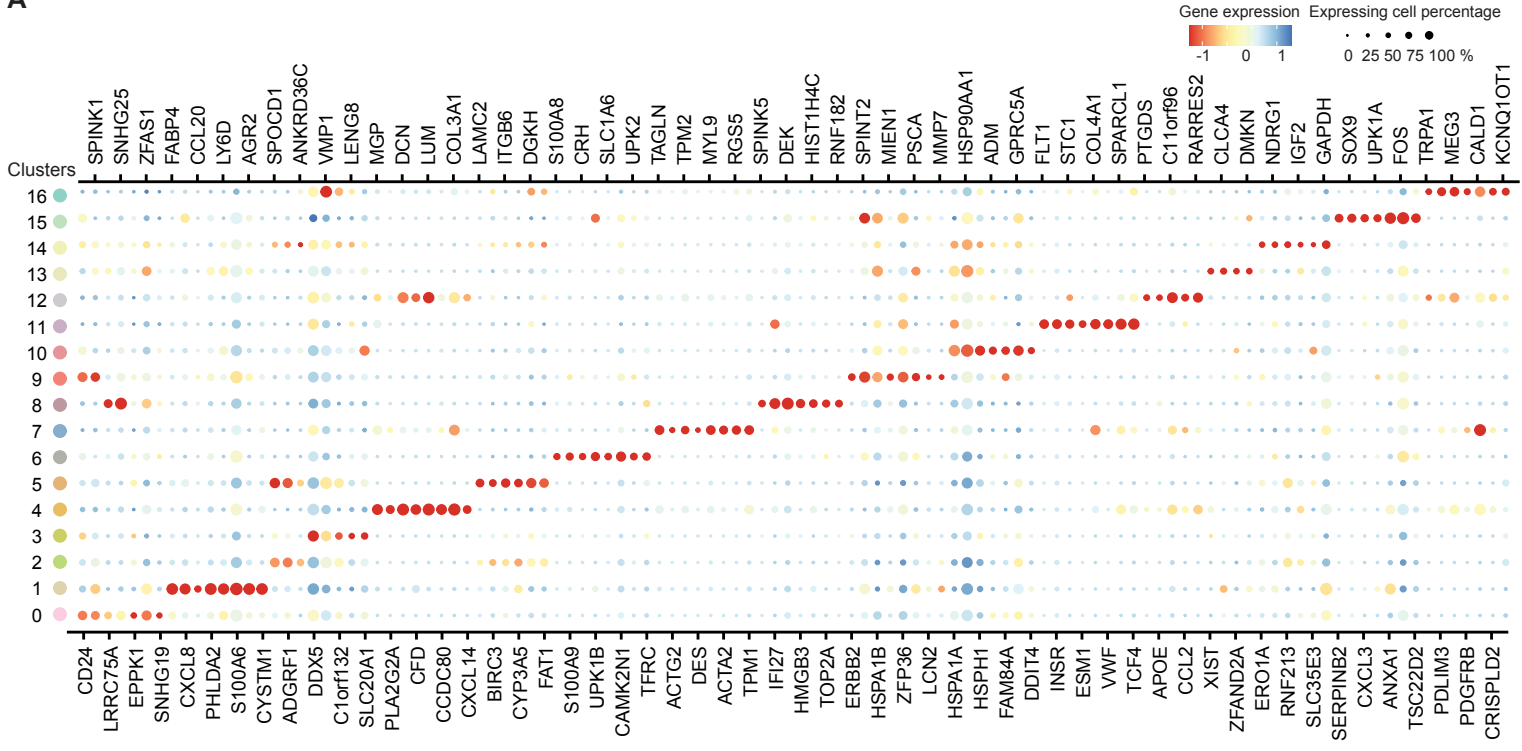


**C**

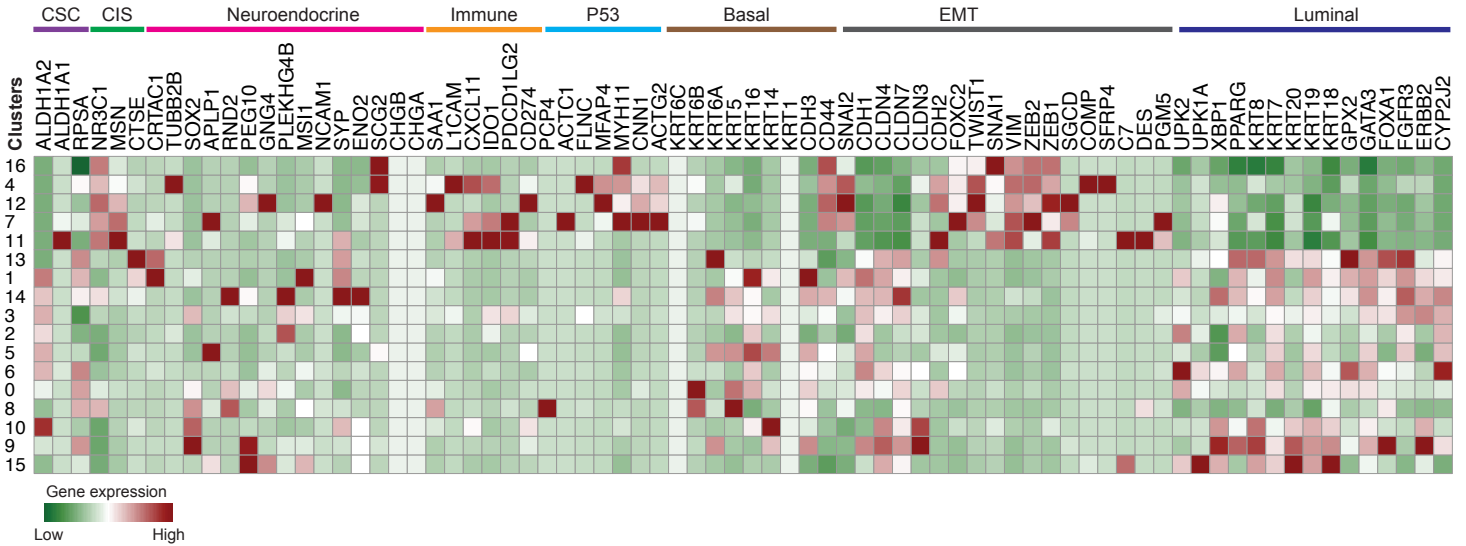


# Supplementary Figure 2

**A**



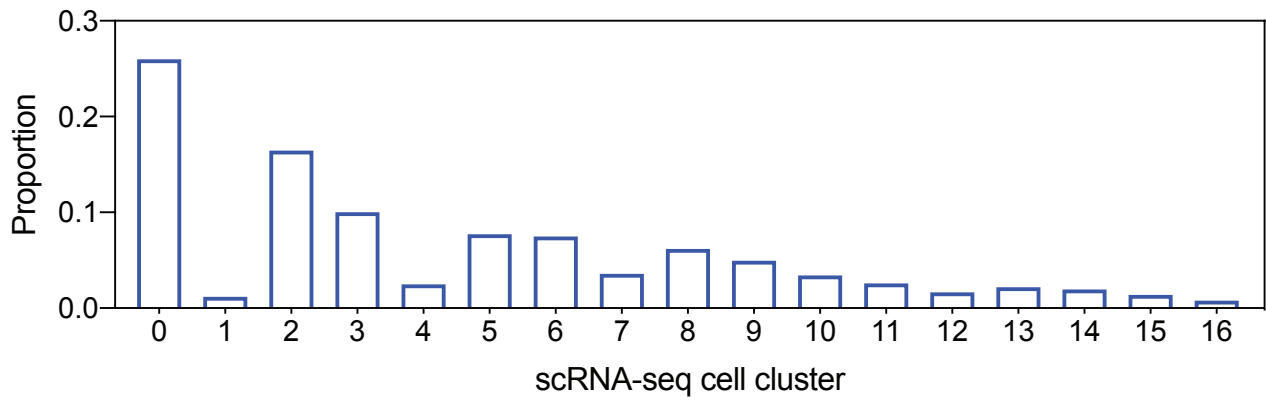
**B**



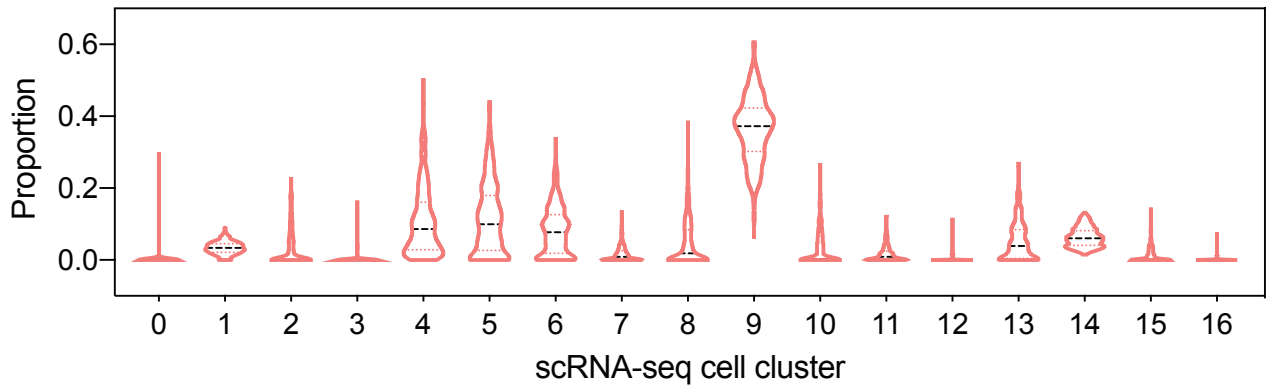
# Supplementary Figure 3

A

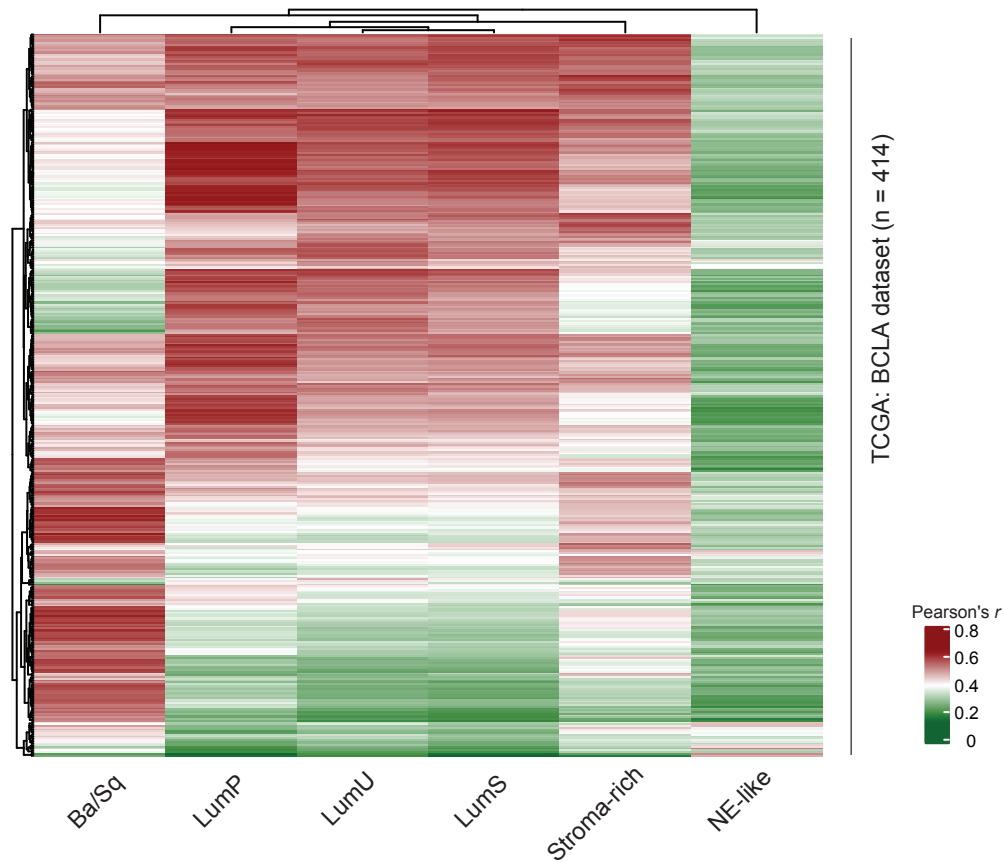
scRNA-seq: Pt1 — Pt13



TCGA: BCLA (n = 414)

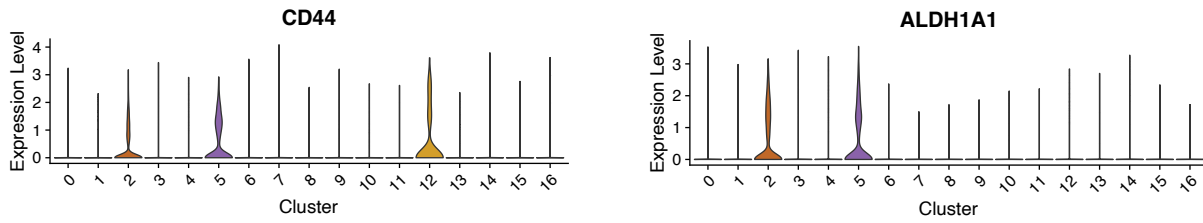


B

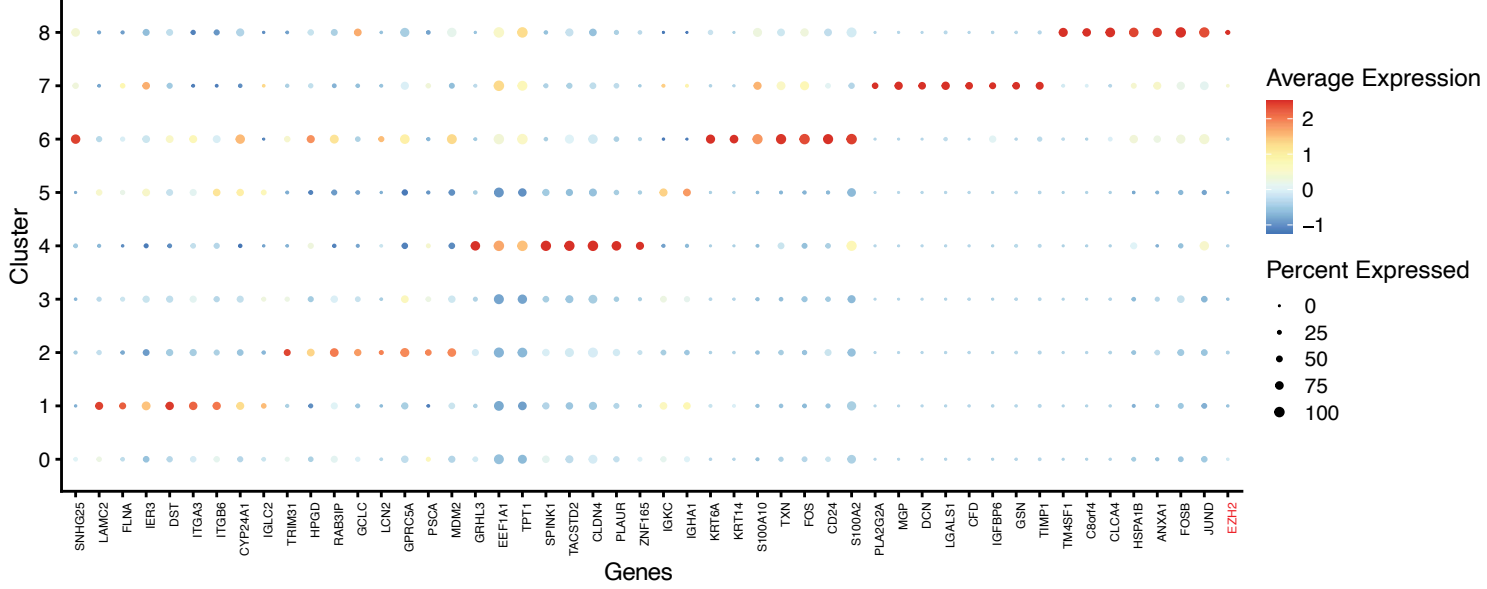


# Supplementary Figure 4

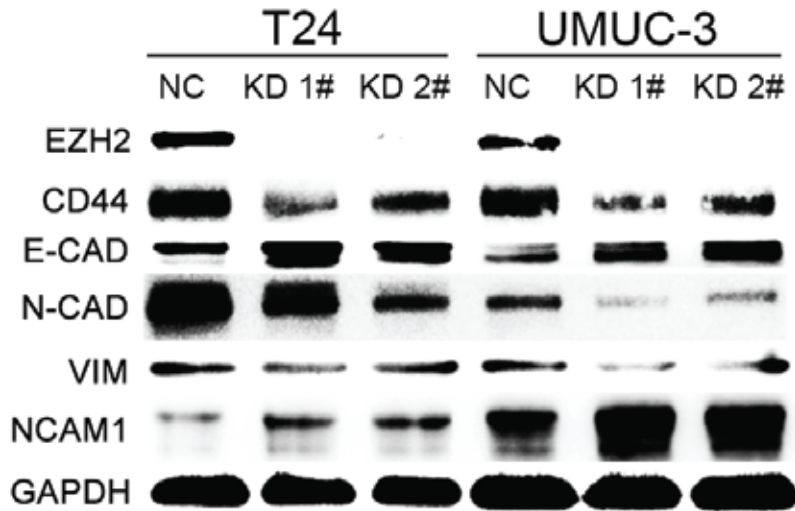
**A**



**B**

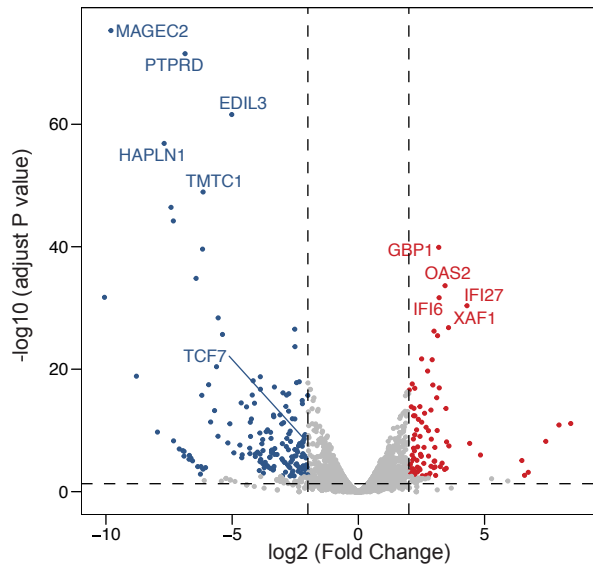


**C**

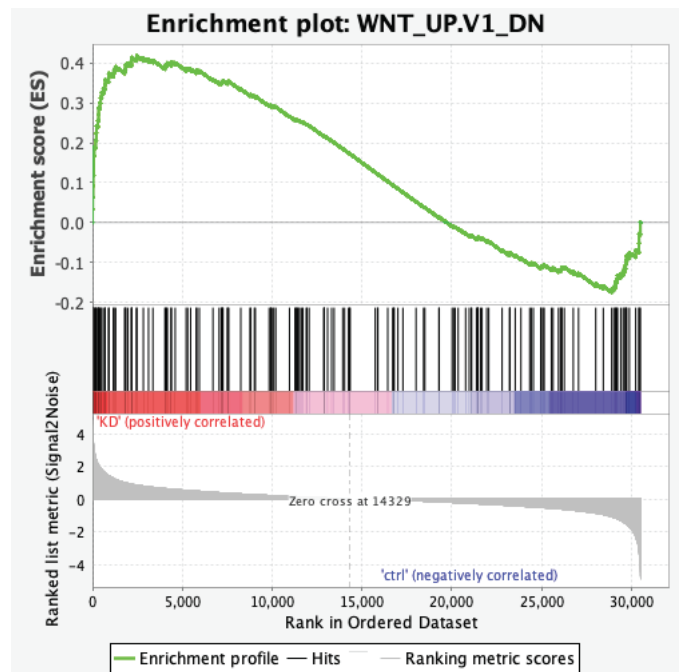


# Supplementary Figure 5

**A**



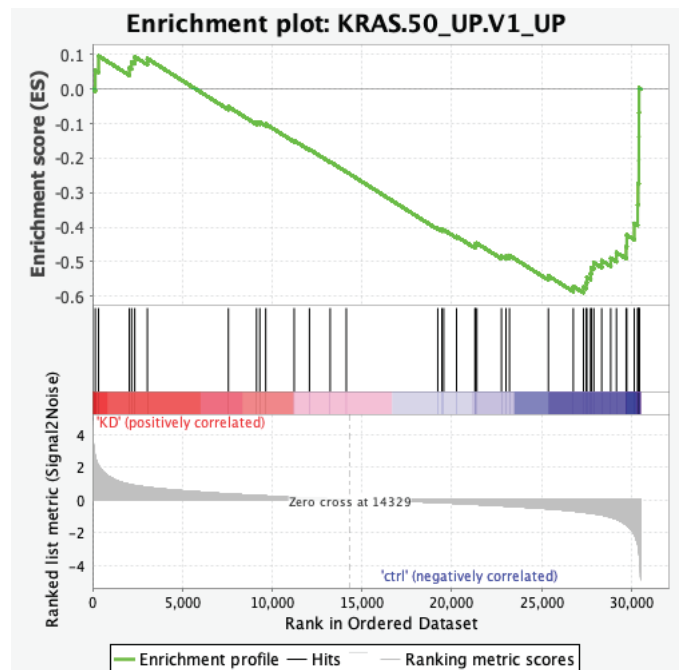
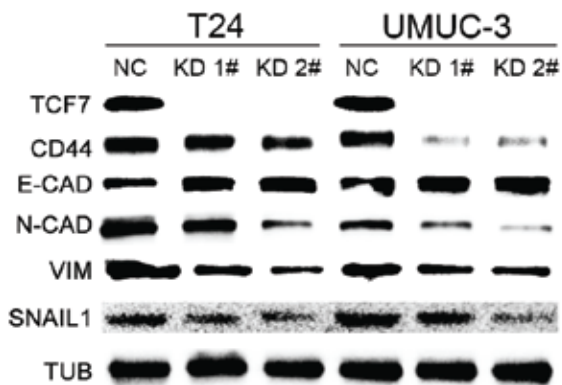
**B**



**C**

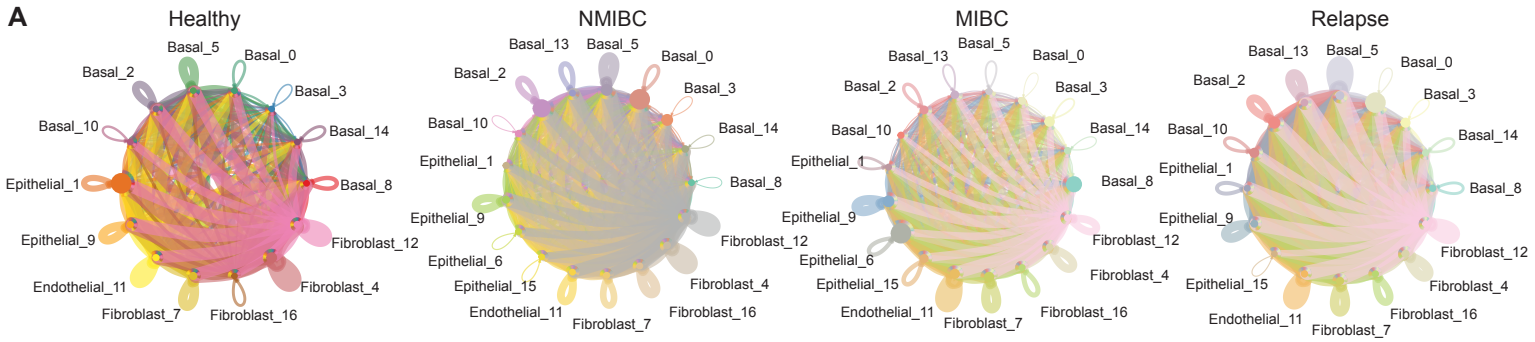


**D**



# Supplementary Figure 6

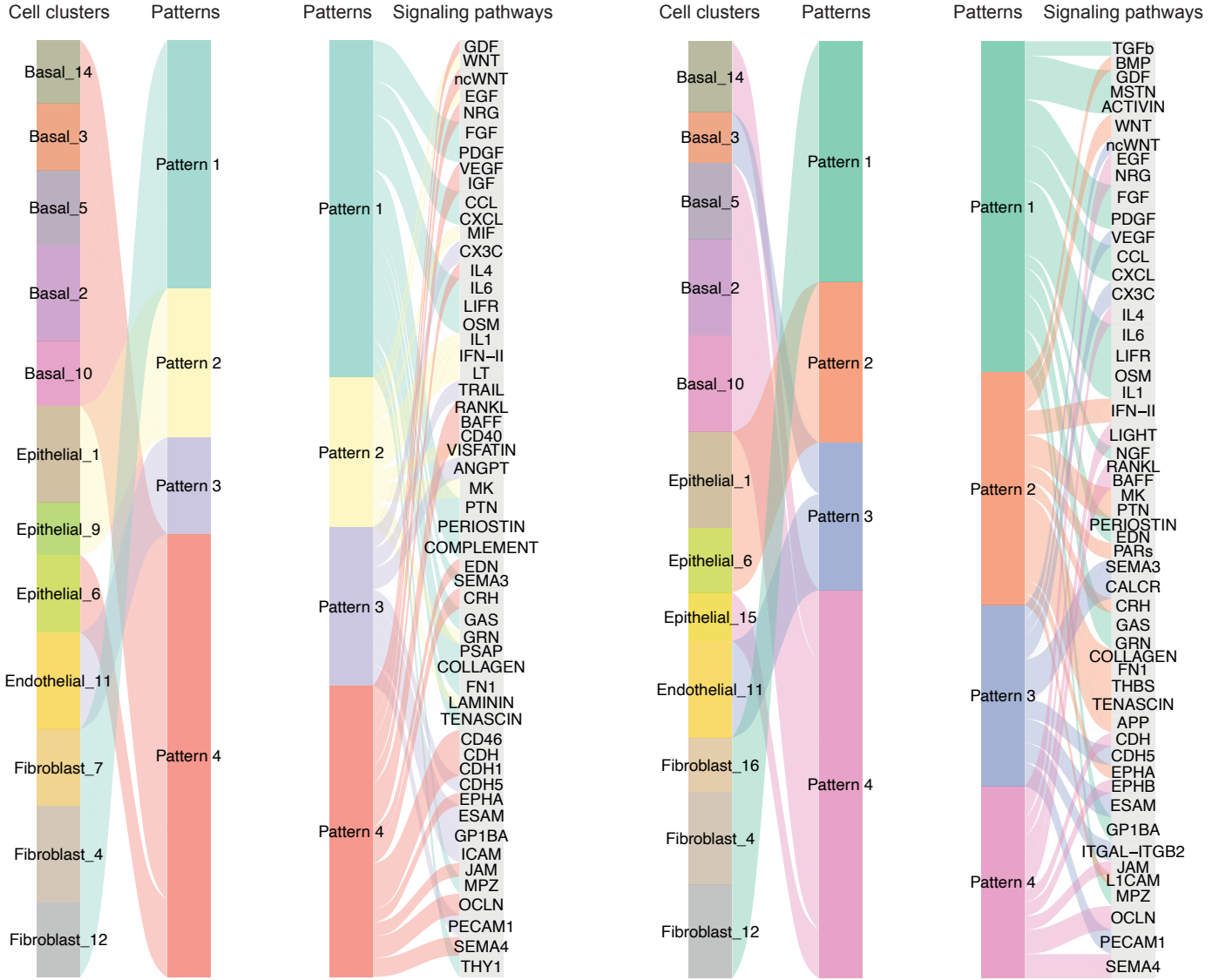
**A**



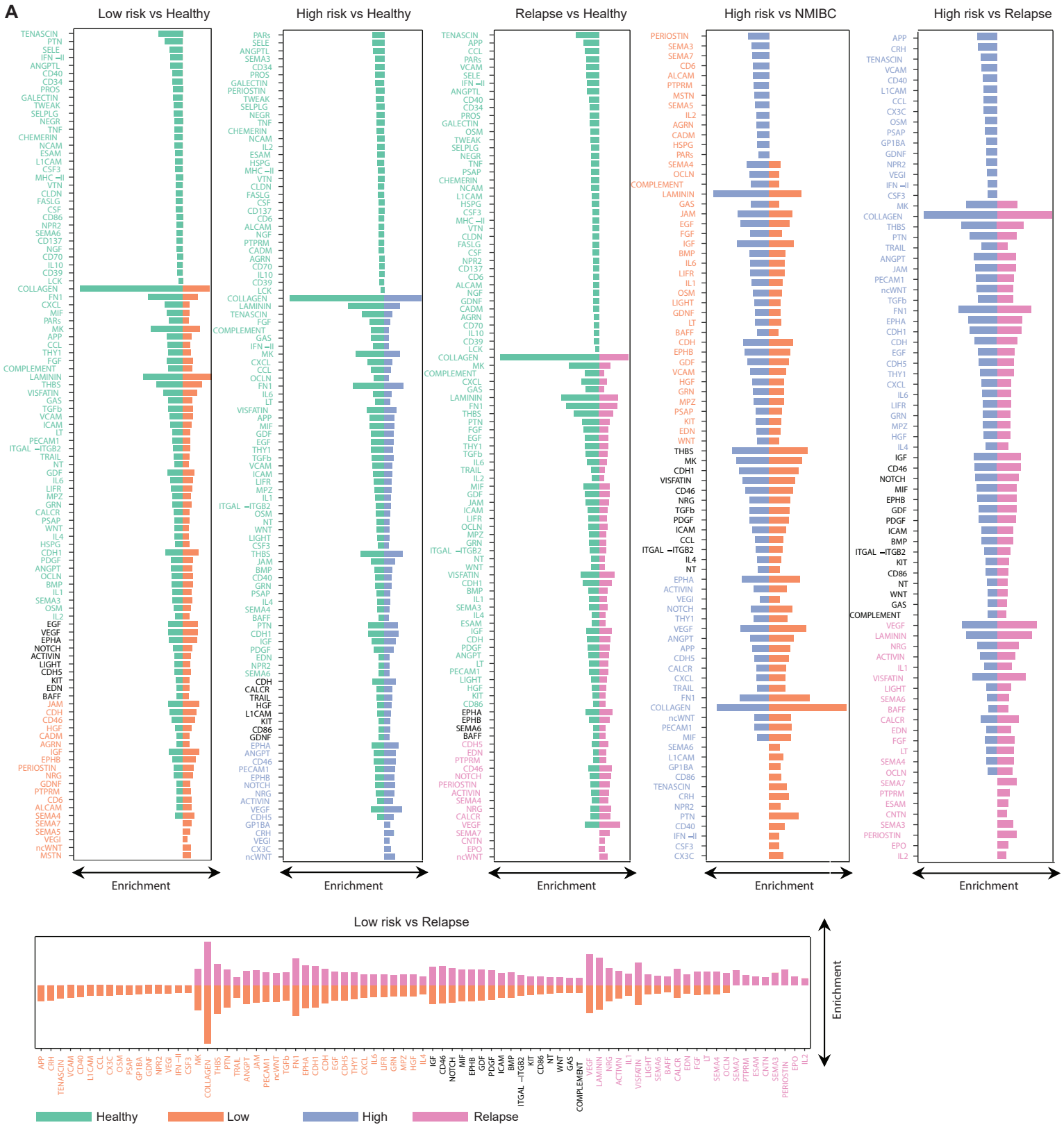
**B**

Outgoing singals

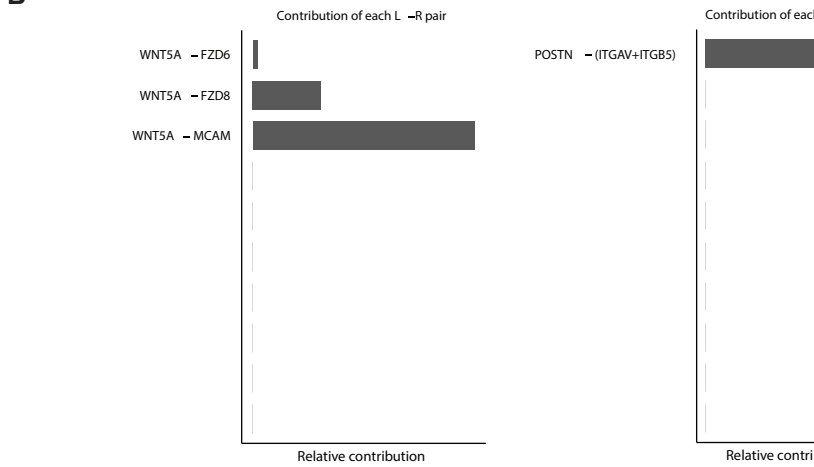
Incoming singals



# Supplementary Figure 7

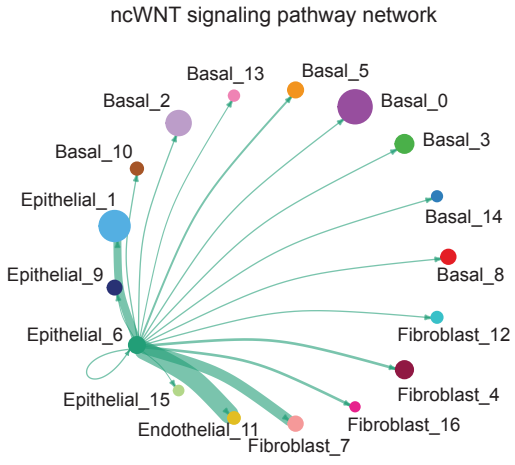


**B** Ligands and receptors involved in cell-cell interactions

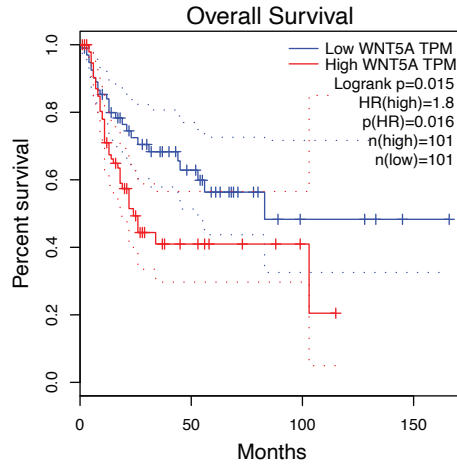


# Supplementary Figure 8

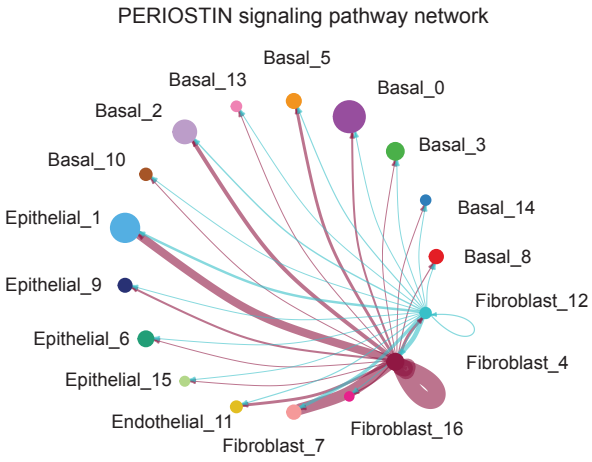
**A**



**B**



**C**



**D**

