Figures : SPRUCE - Single-cell Pairwise Relationships Untangled by Composite ETM

Park Lab

09:43:45 PM, Jun 22, 2022

Cell topic analysis

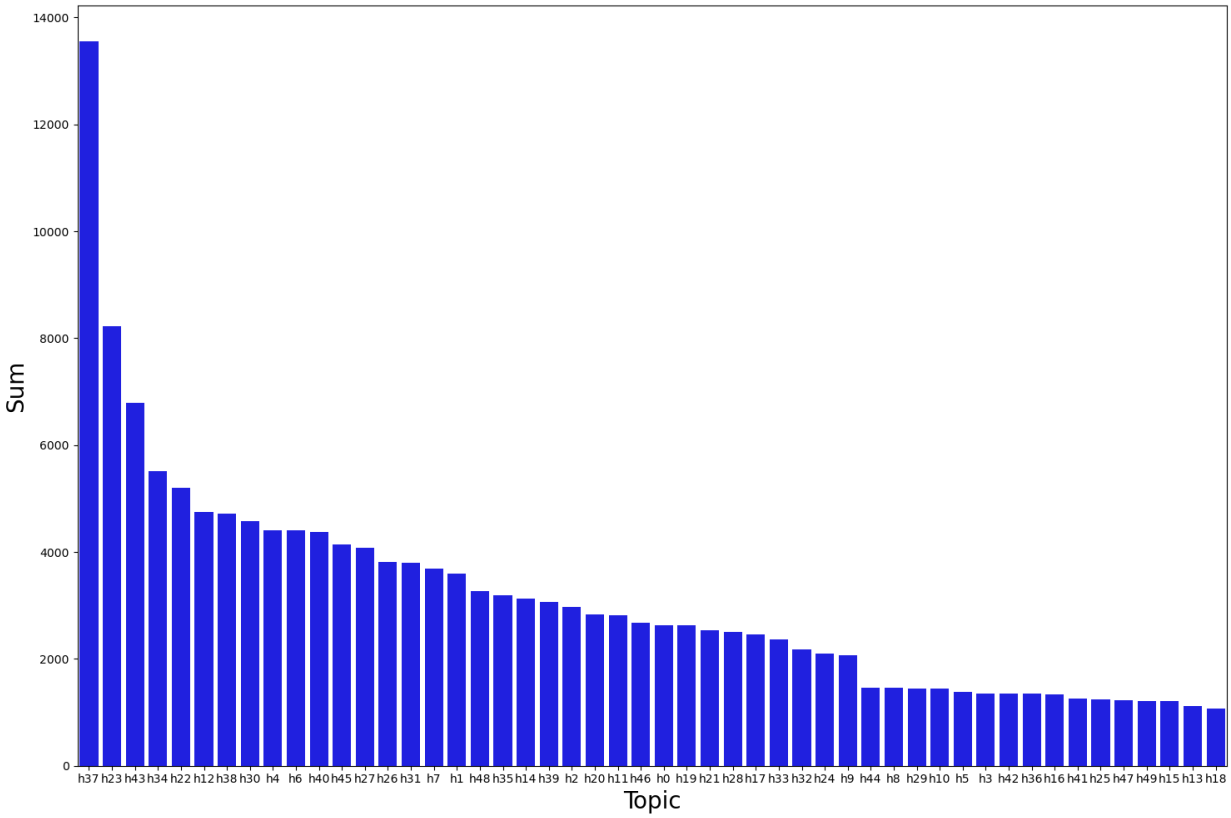

Figure 1: Topic sum

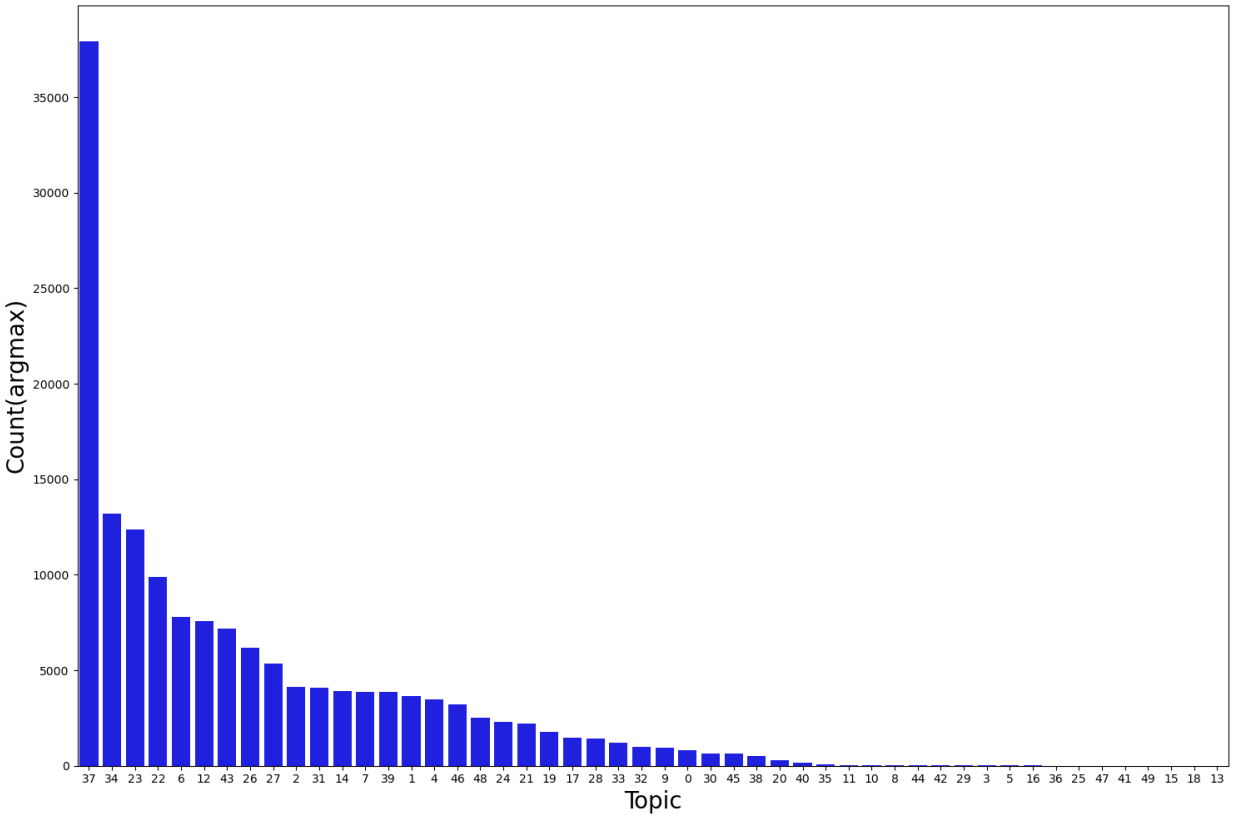

Figure 2: Topic argmax

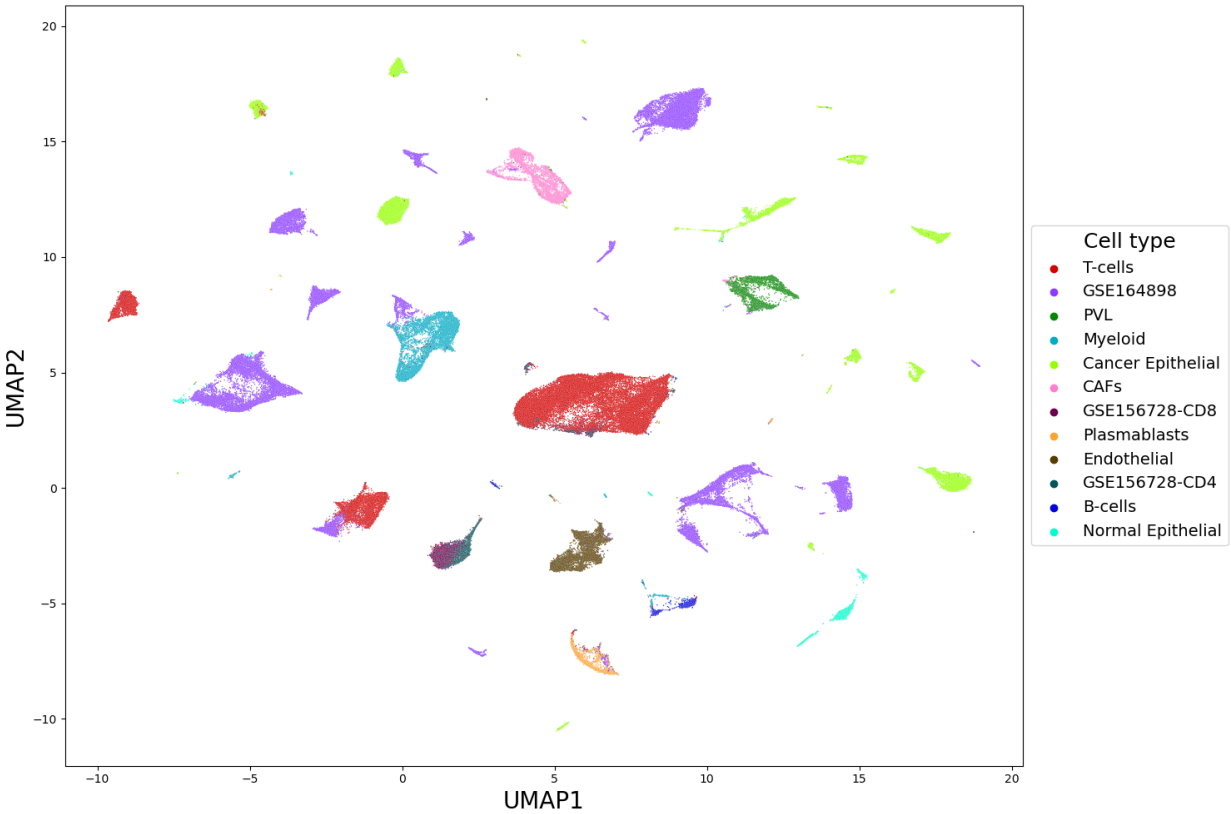

Figure 3: UMAP cell-type

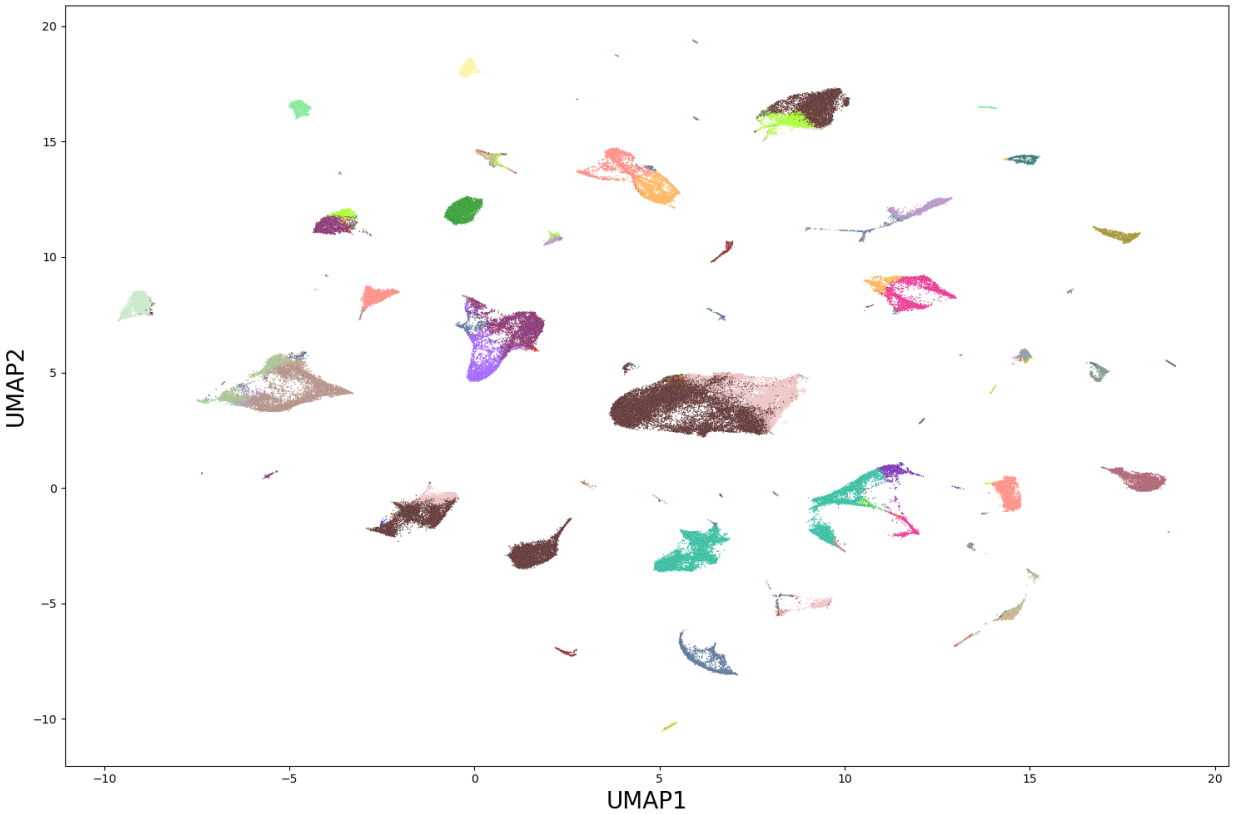

Figure 4: UMAP topic

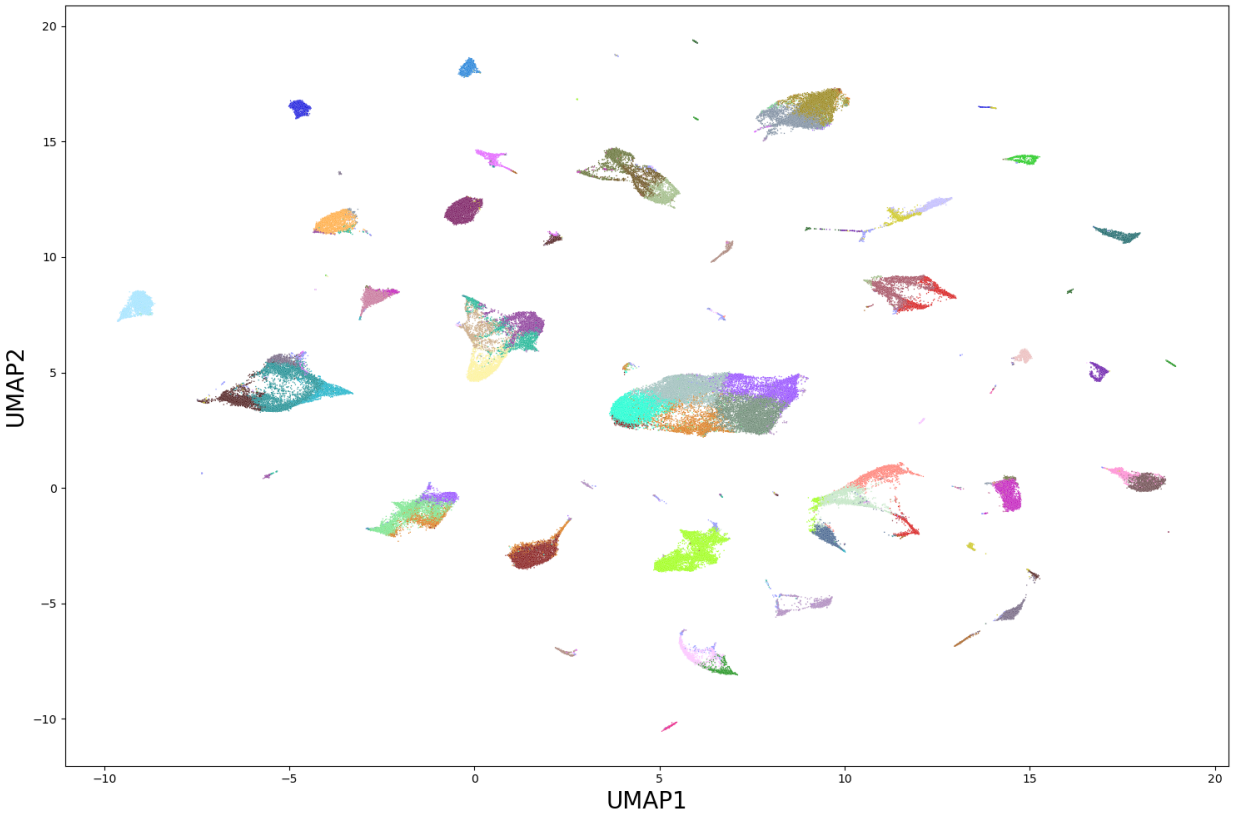

Figure 5: UMAP-kmeans (k=50)

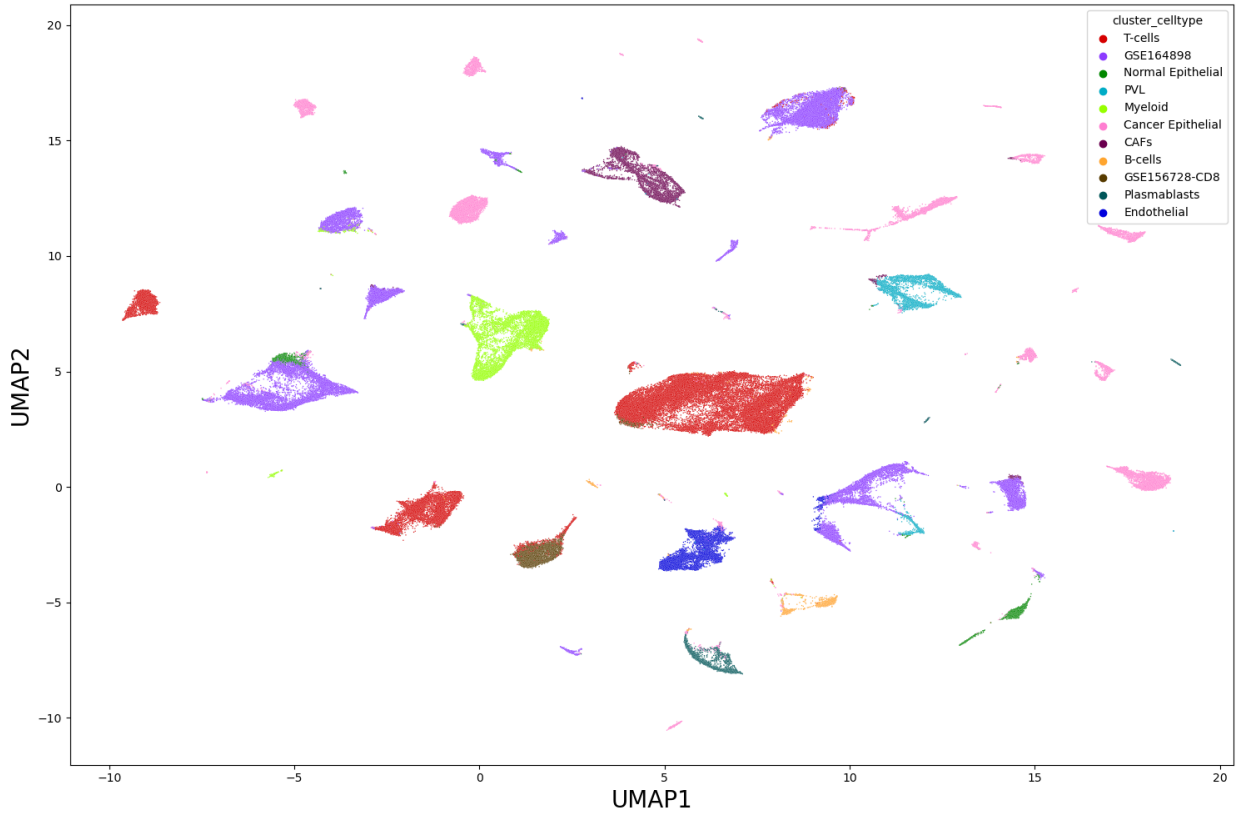

Figure 6: UMAP-kmeans(k=50) cell-type

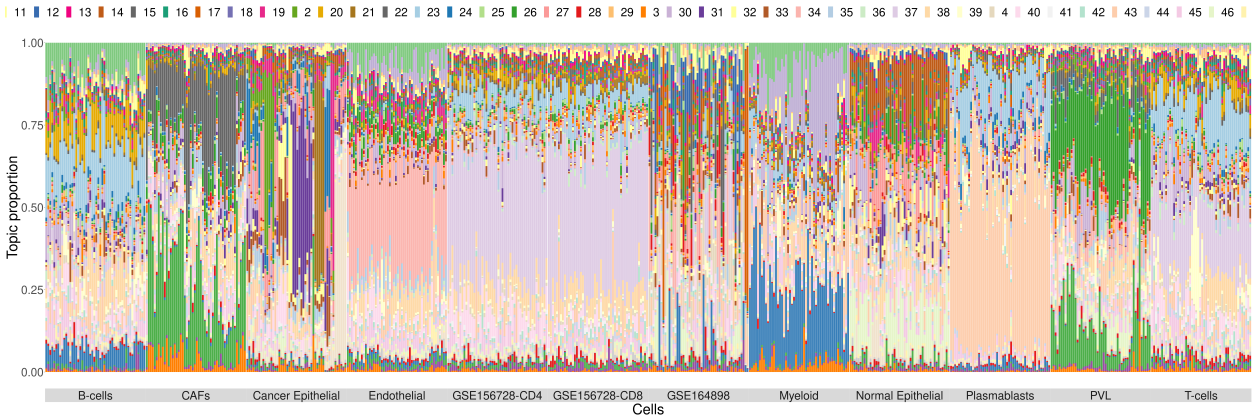

Figure 7: Structure plot cell-type

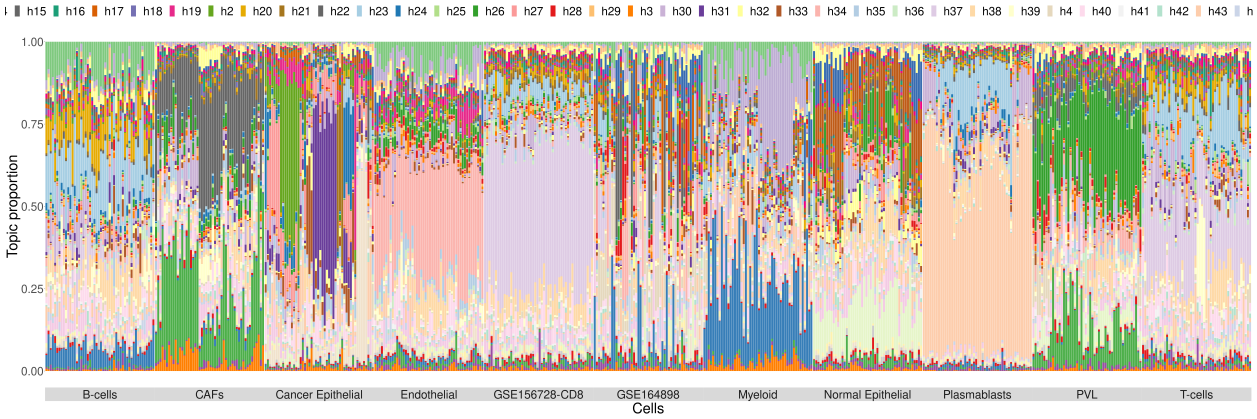

Figure 8: Structure plot kmeans majority cell-type

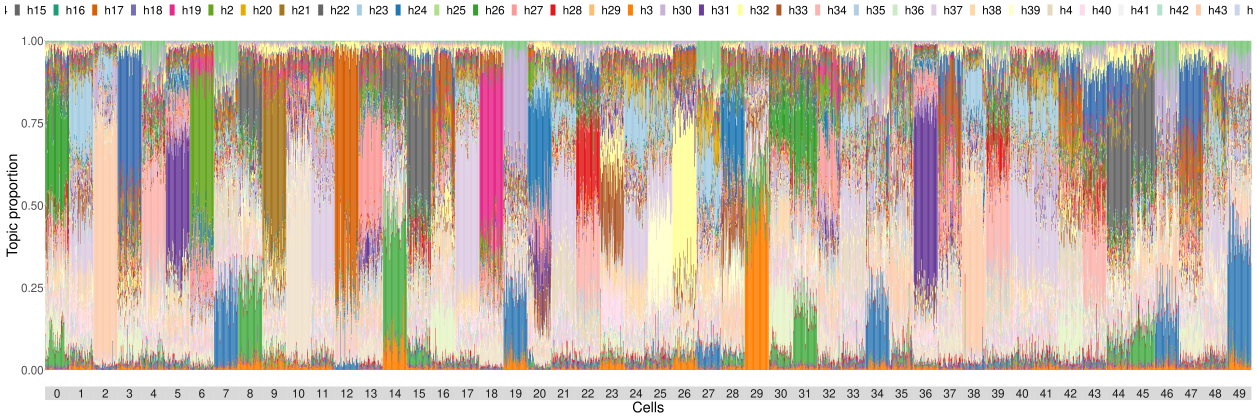

Figure 9: Structure plot kmeans cluster

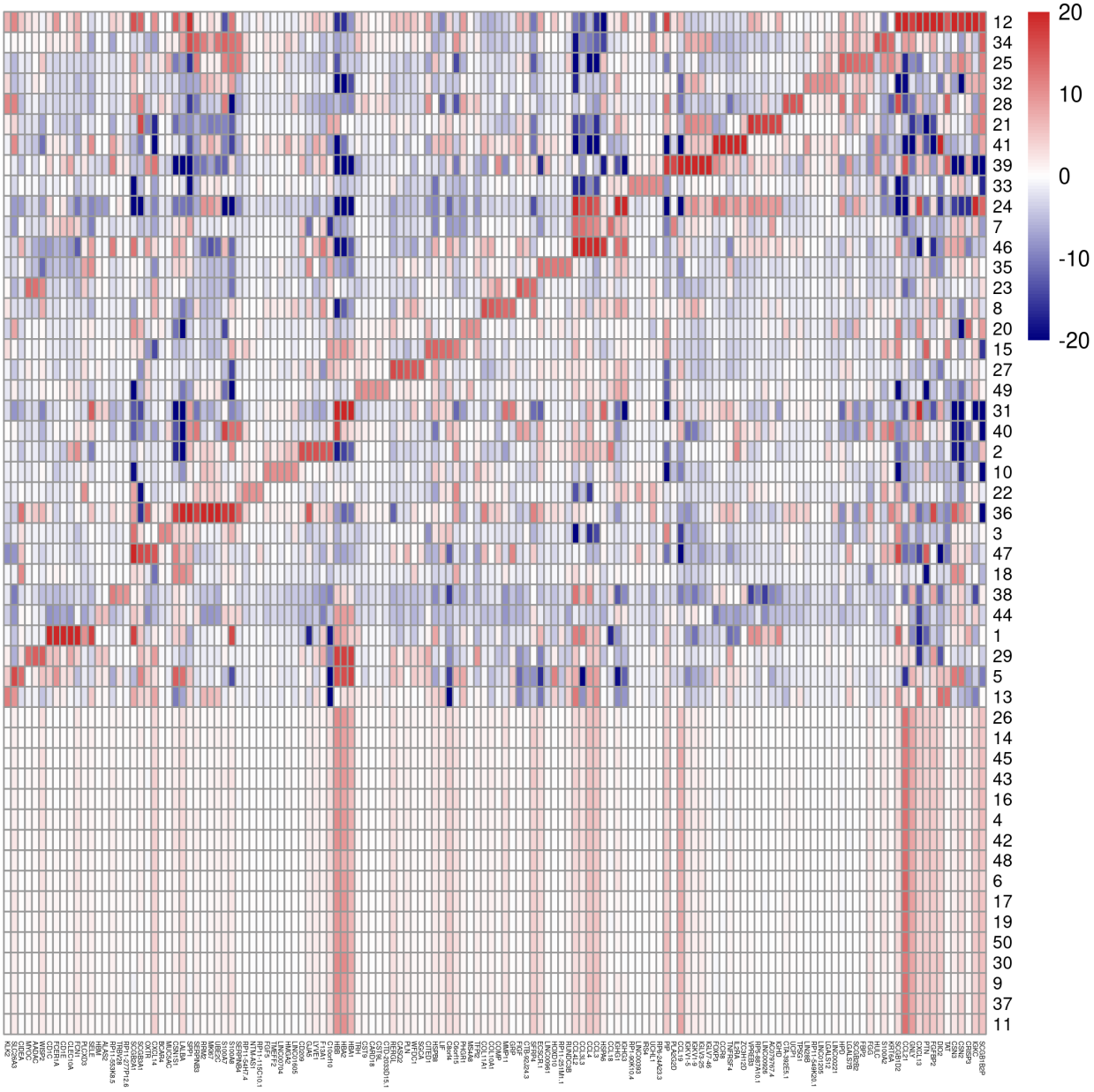

Figure 10: Beta - top genes

Interaction topic analysis

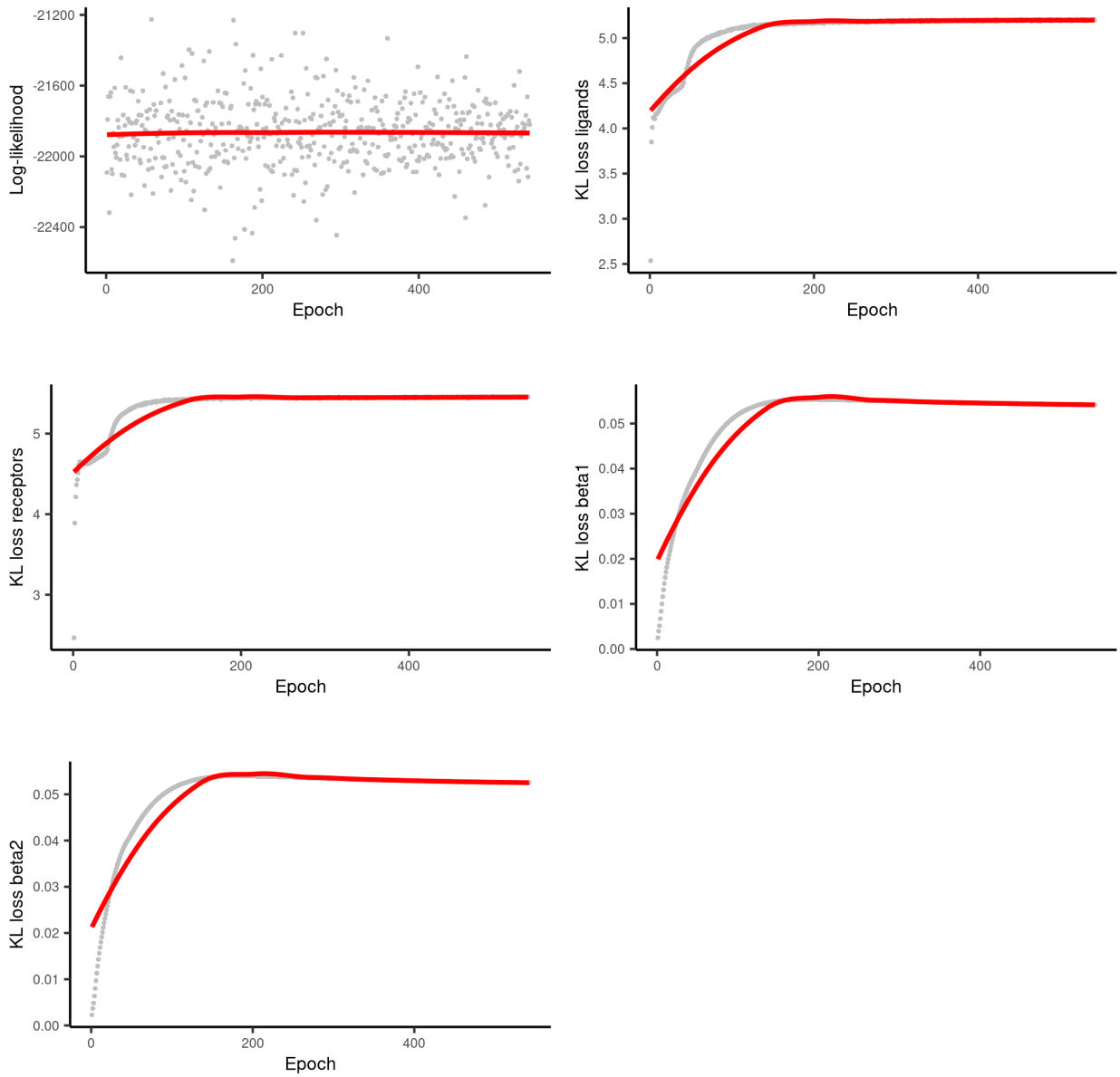

Figure 11: Loss plot

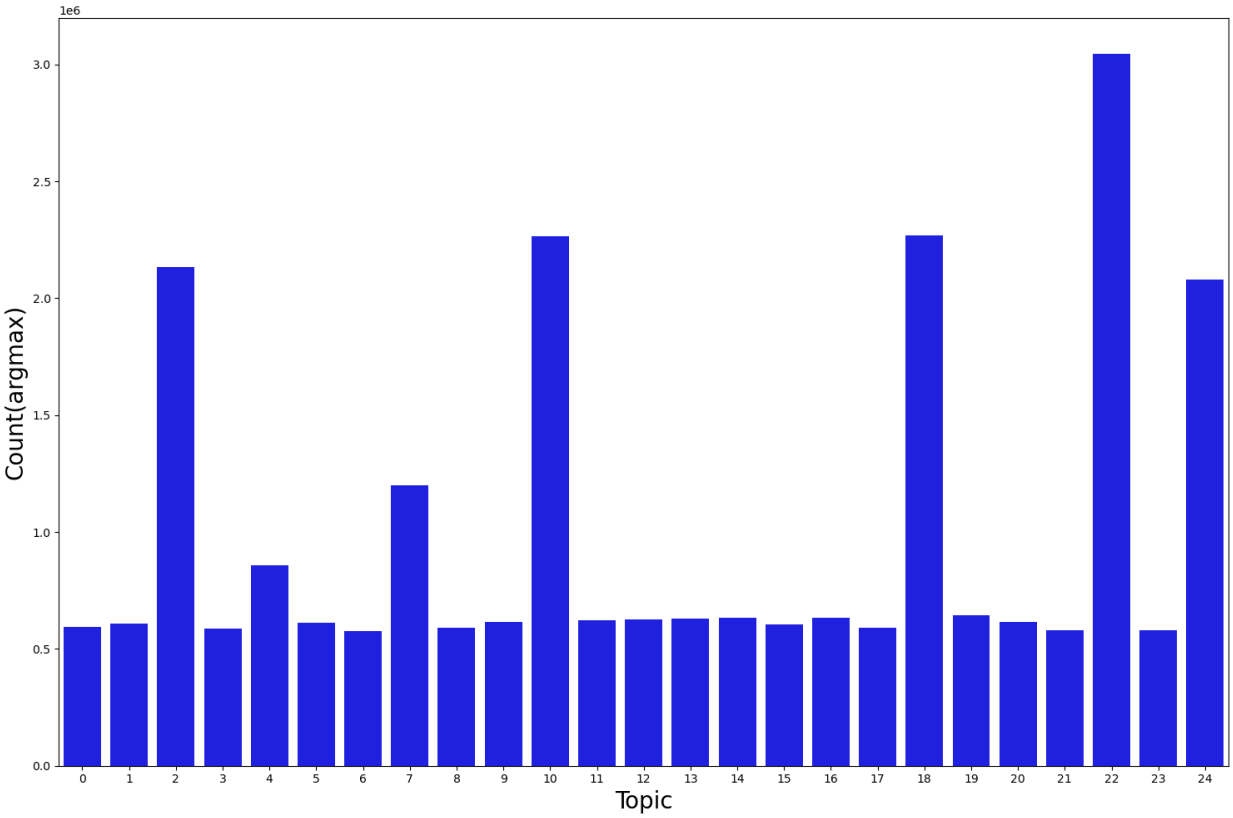

Figure 12: Interaction topic argmax

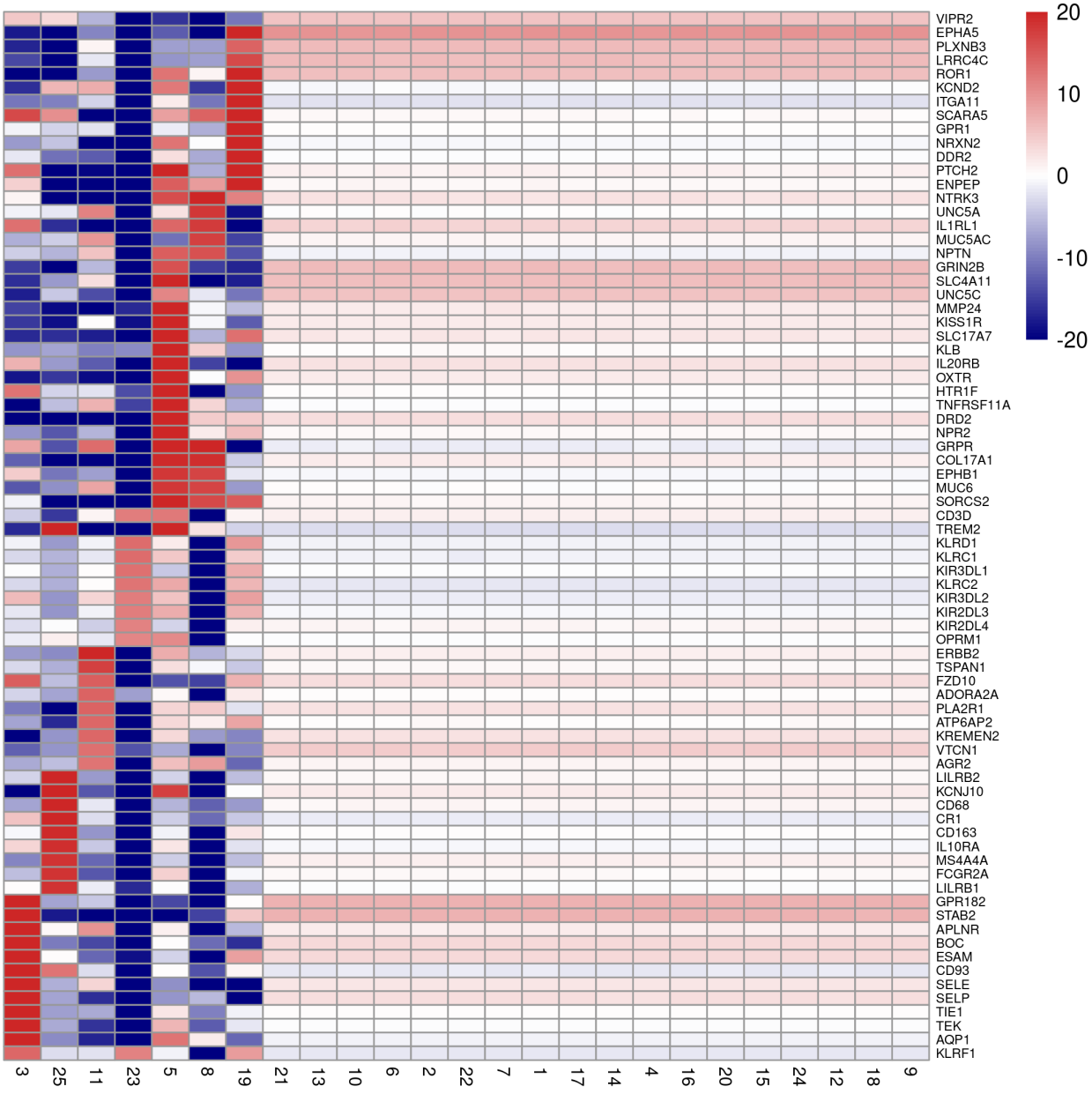

Figure 13: Beta - top receptor genes

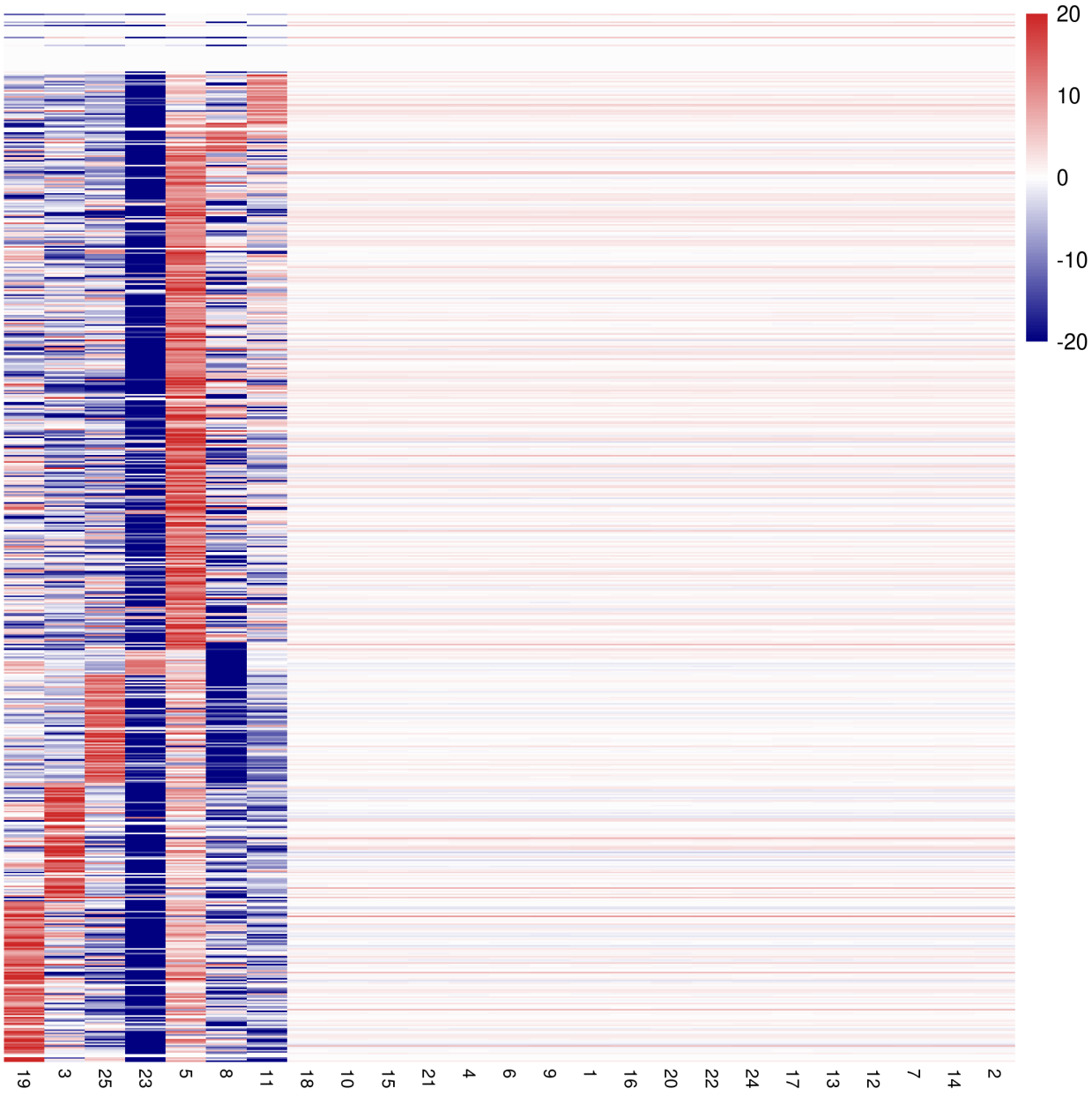

Figure 14: Beta - all receptor genes

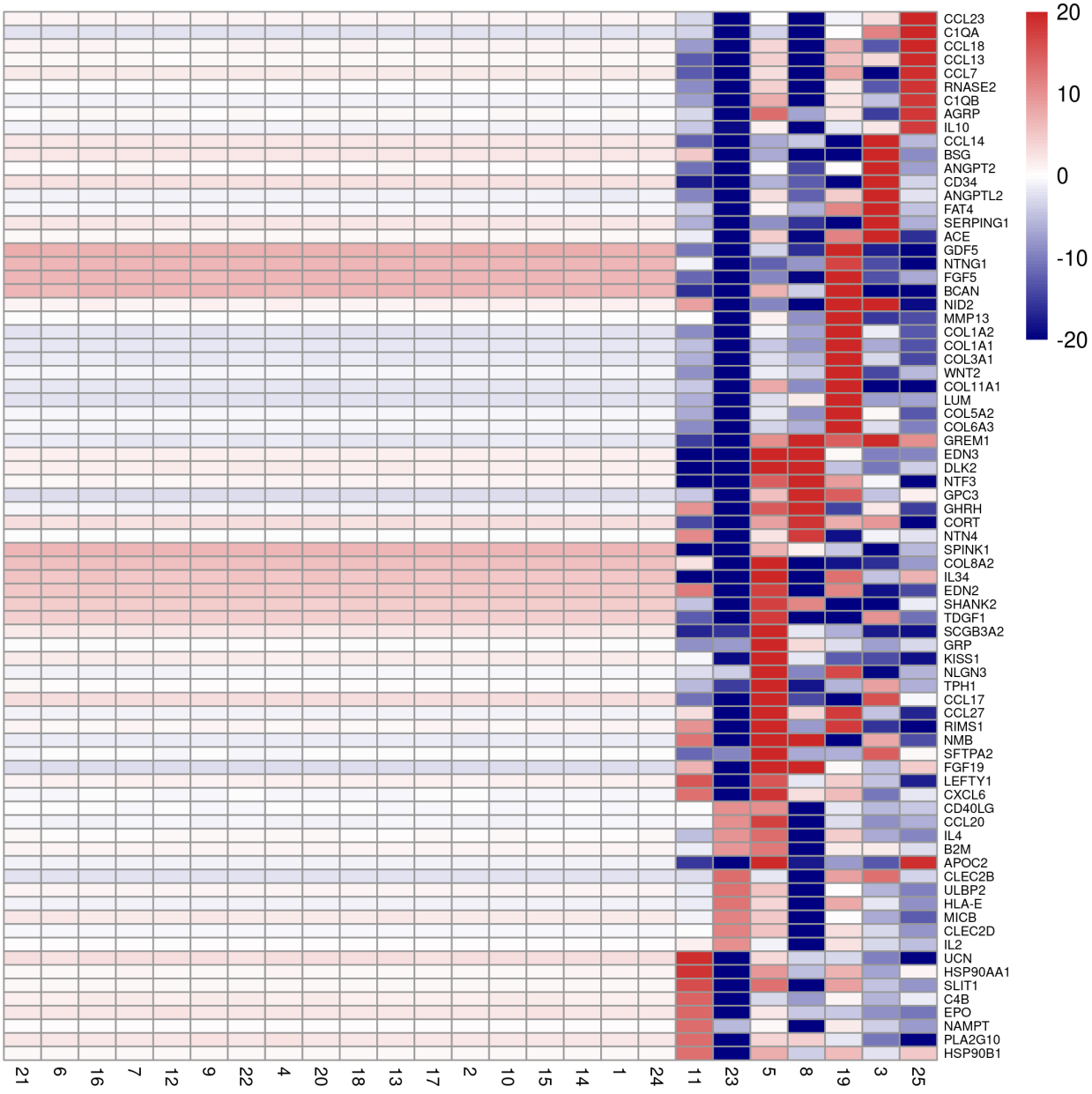

Figure 15: Beta - top ligand genes

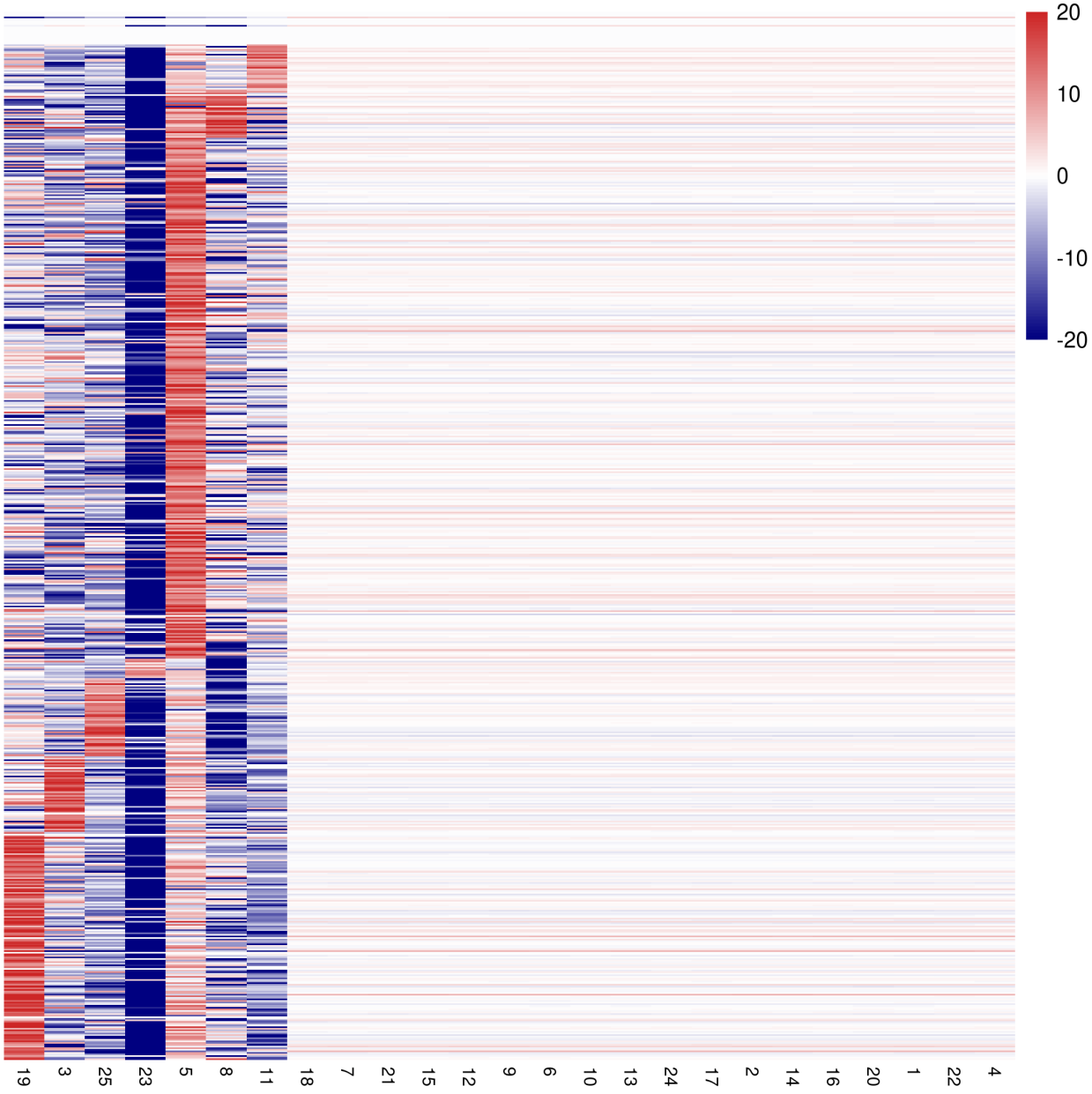

Figure 16: Beta - all ligand genes

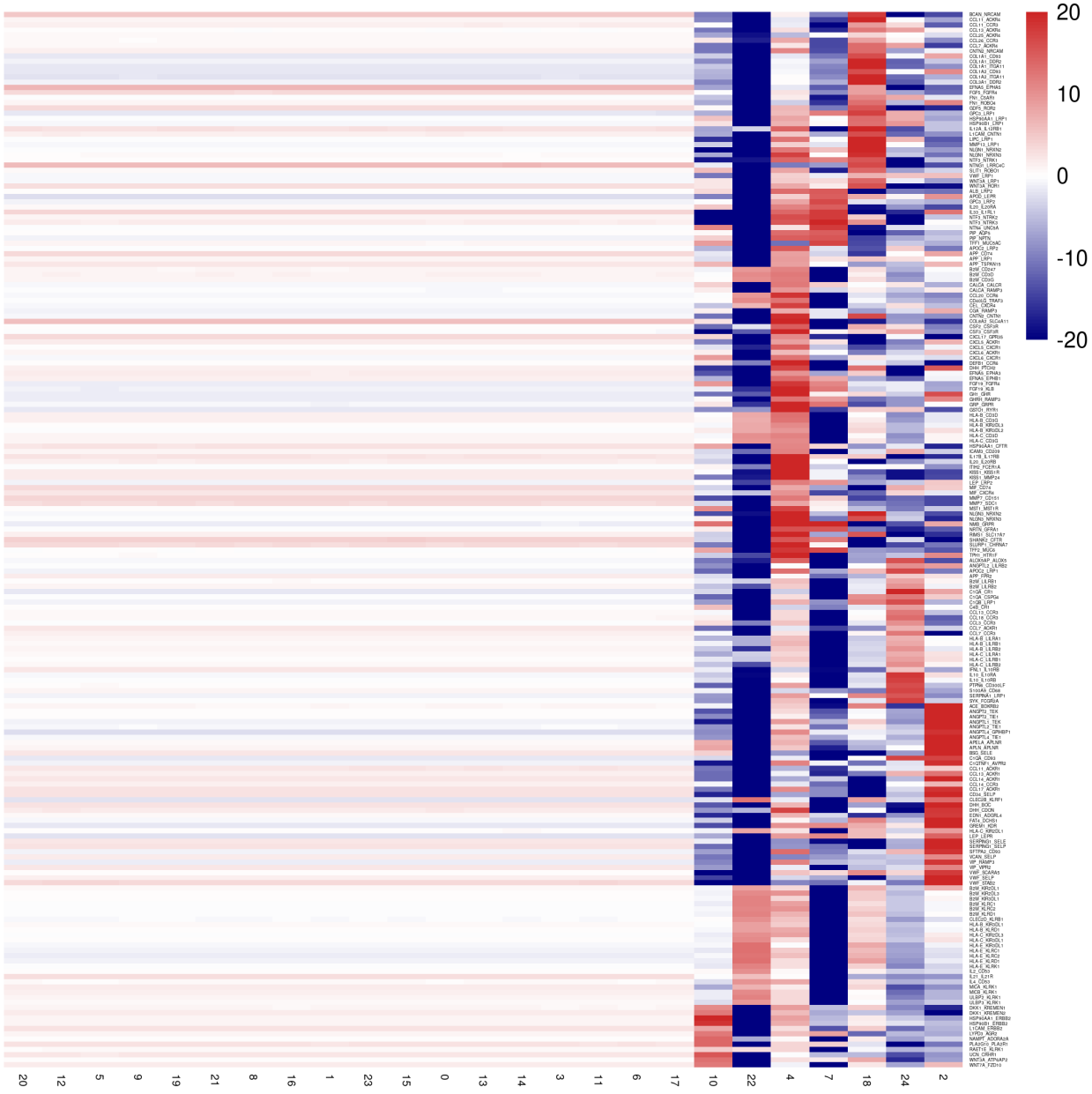

Figure 17: Beta - top lr pair genes

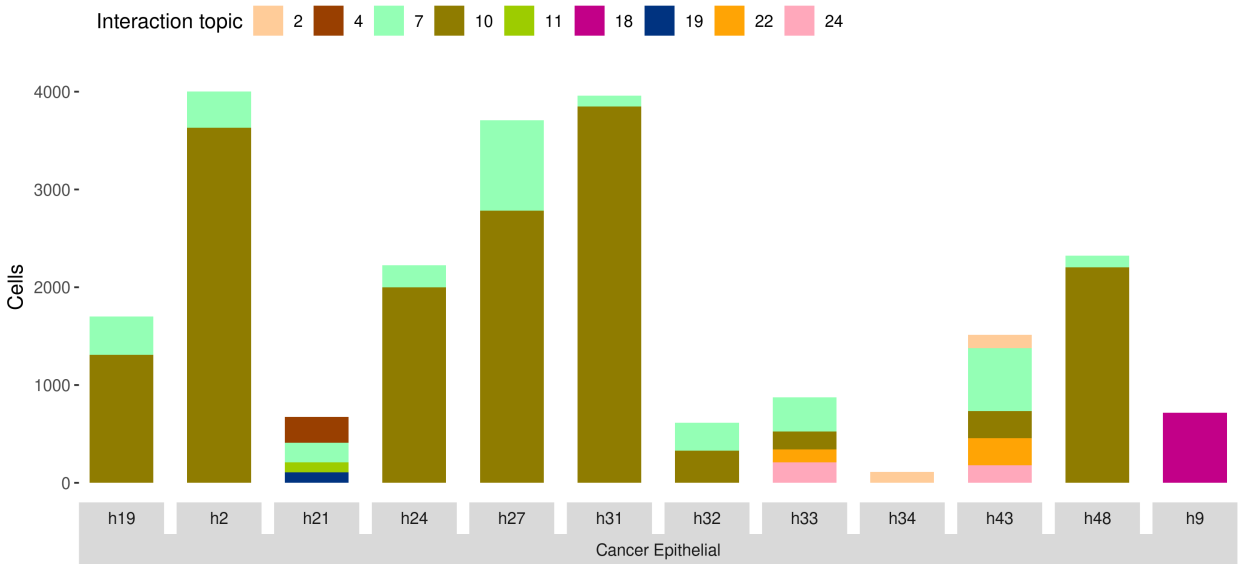

Figure 18: Model summary - cancer cells

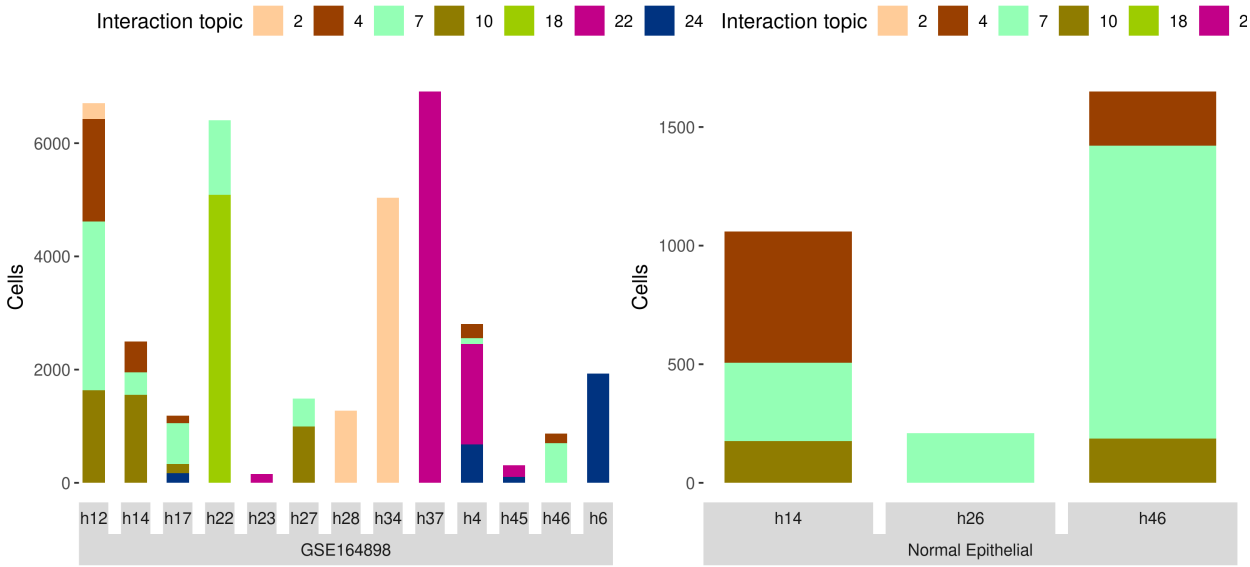

Figure 19: Model summary - normal cells

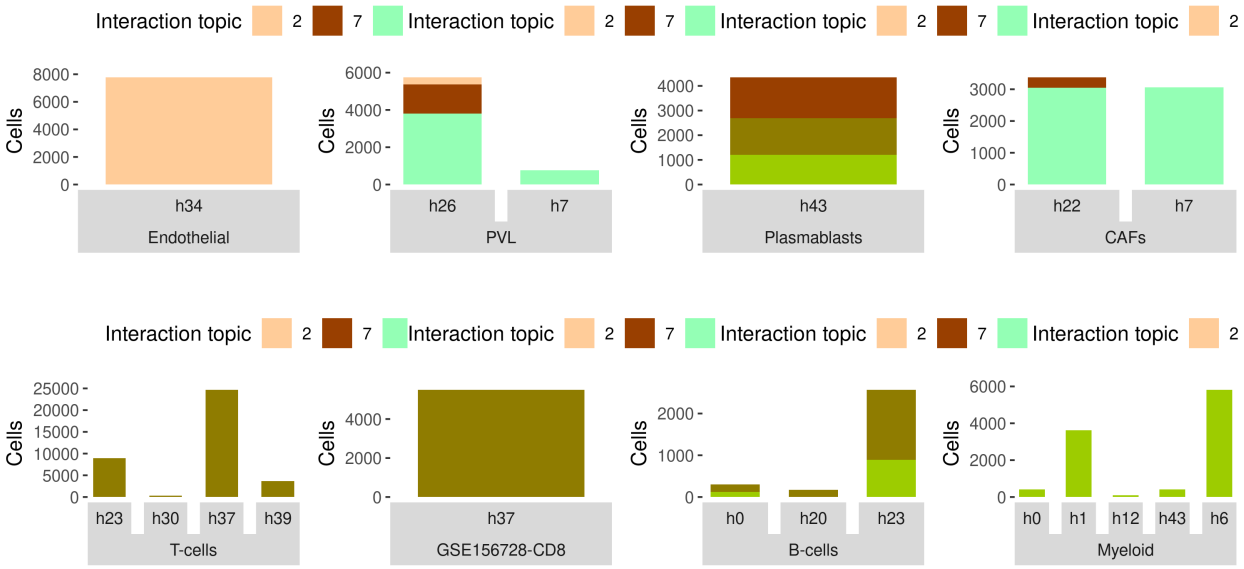

Figure 20: Model summary - others

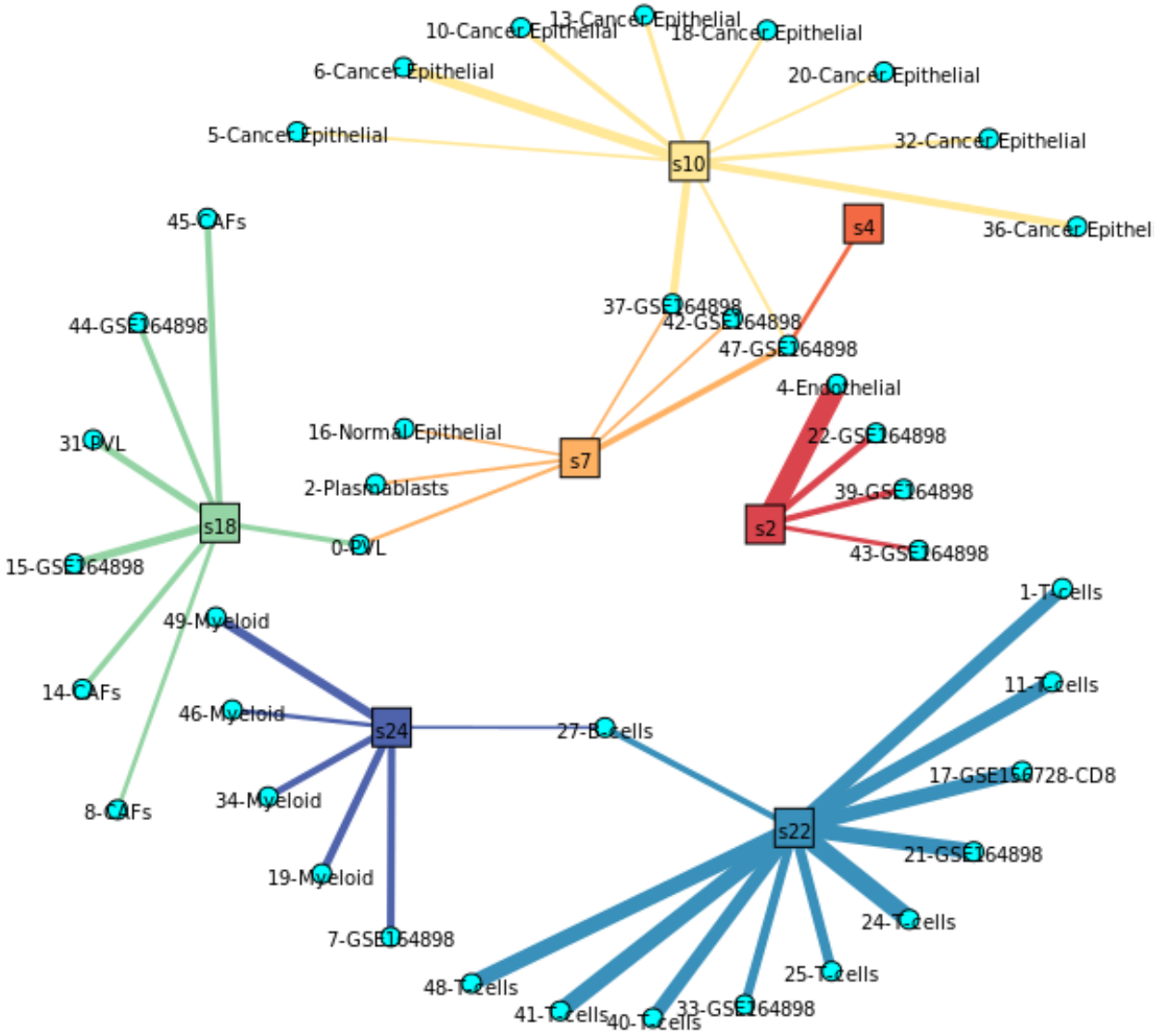

Figure 21: Network plot

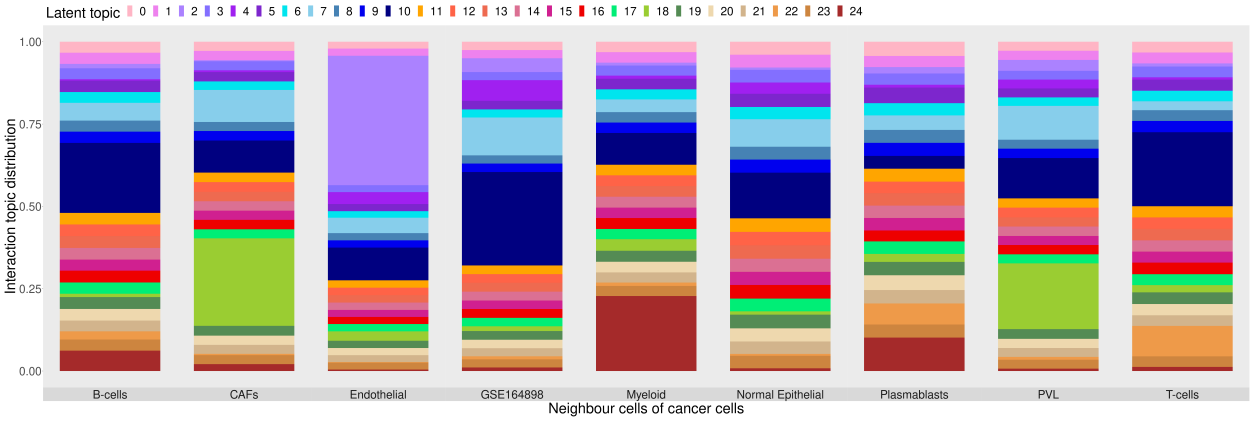

Figure 22: Cancer centric view

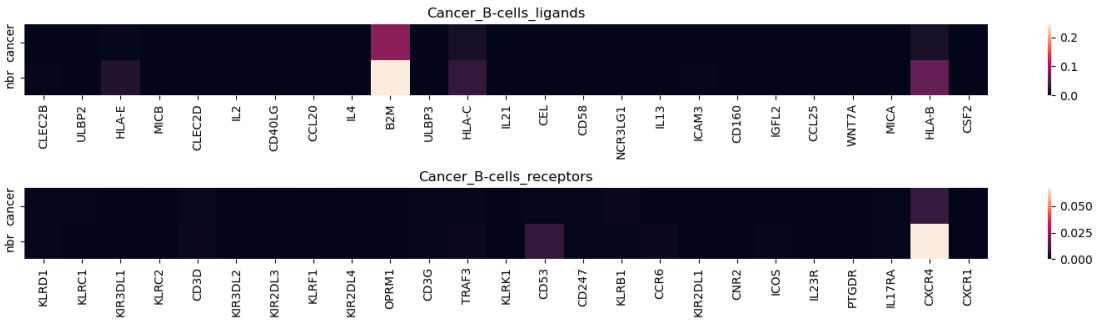

Figure 23: Cancer centric view - B cells

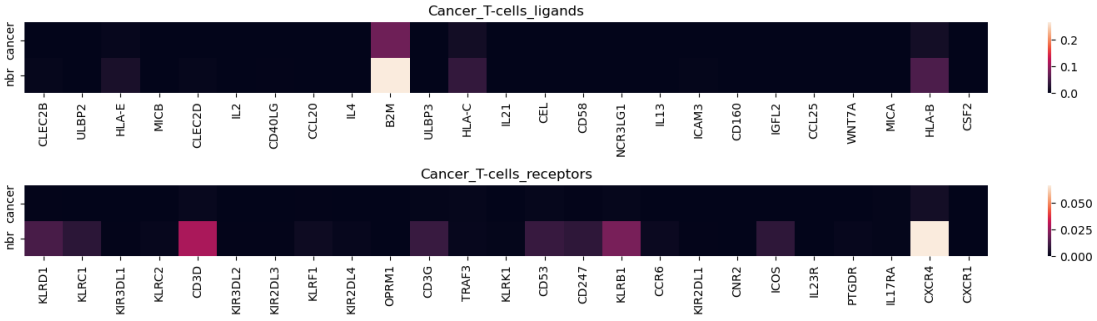

Figure 24: Cancer centric view - T cells

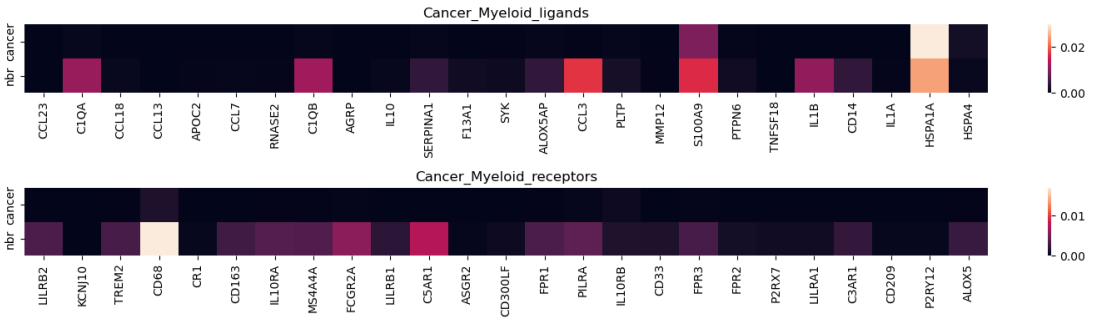

Figure 25: Cancer centric view - Myeloid cells

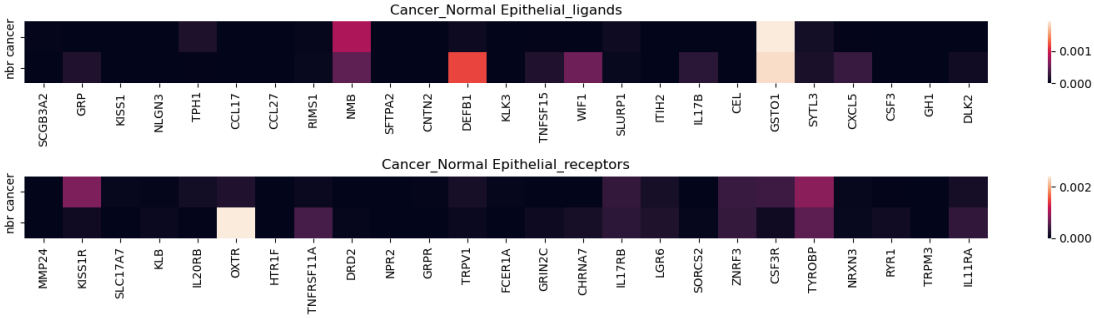

Figure 26: Cancer centric view - Normal Epithelial cells

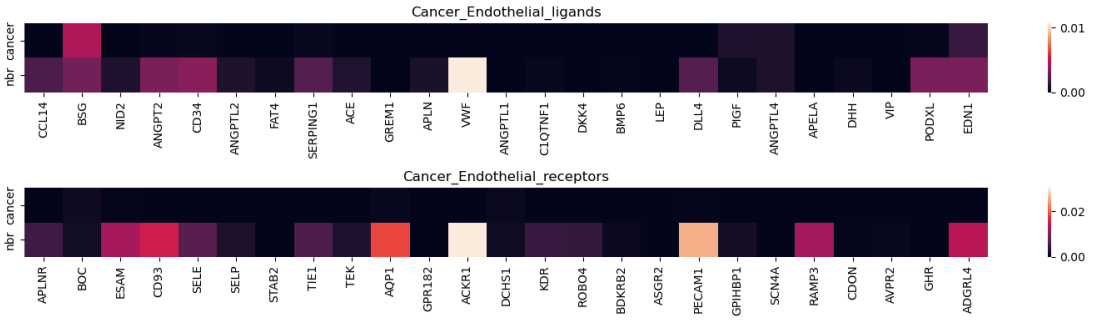

Figure 27: Cancer centric view - Endothelial cells

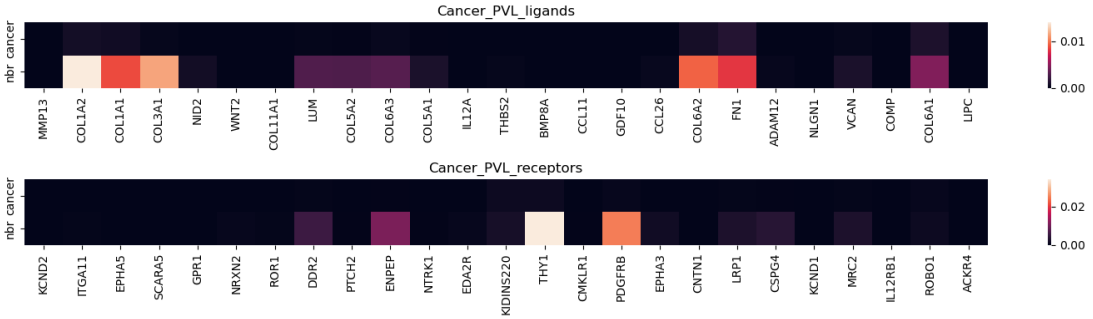

Figure 28: Cancer centric view - PVL cells