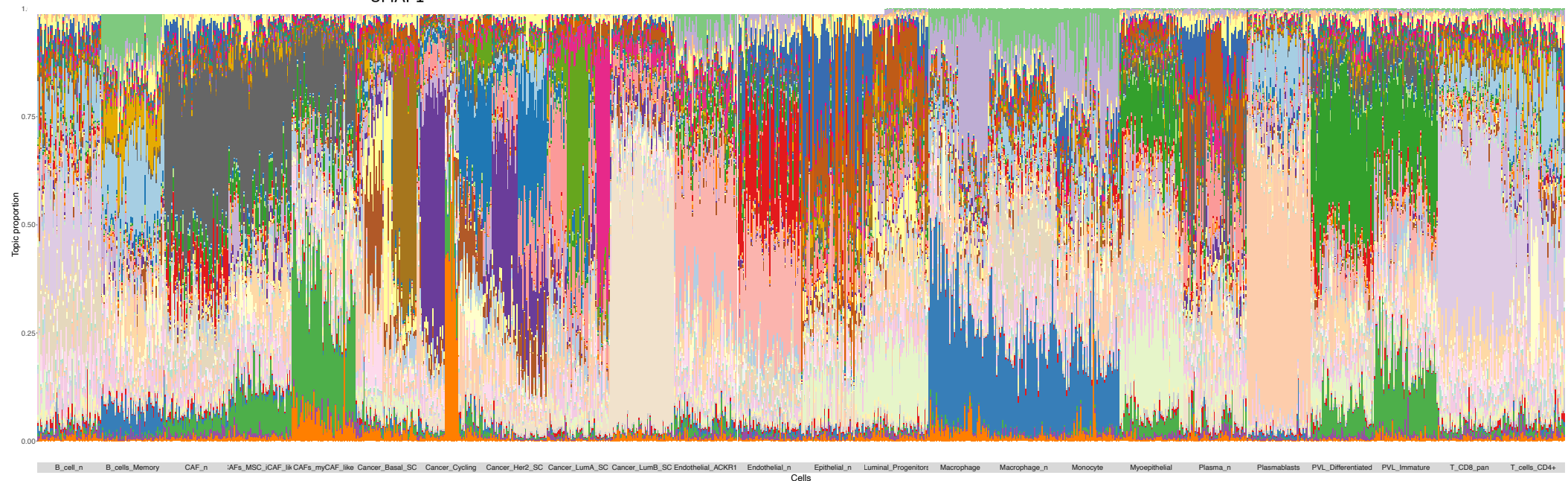
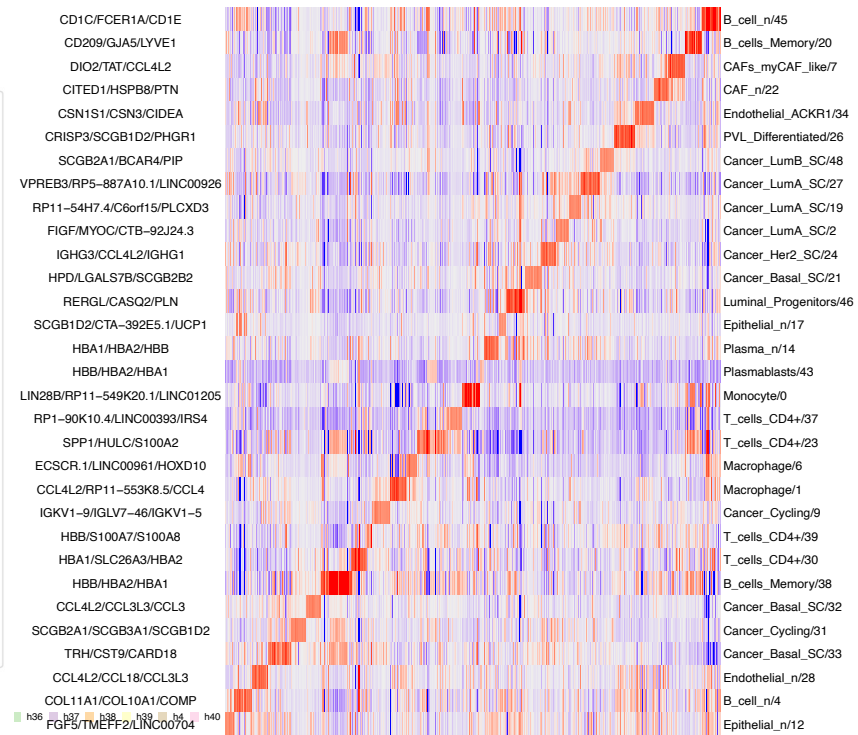
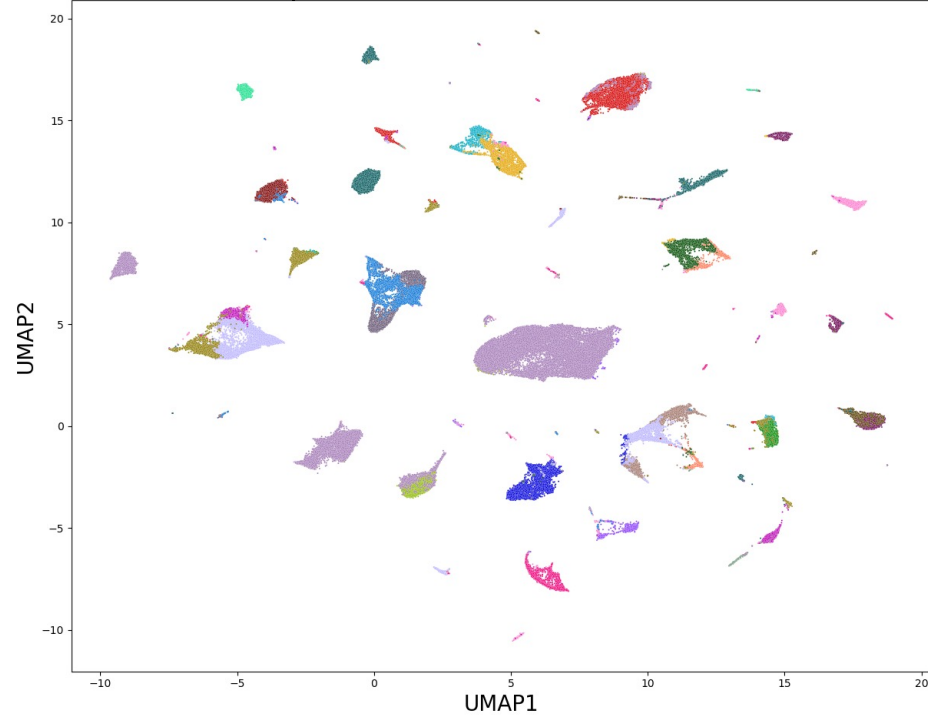
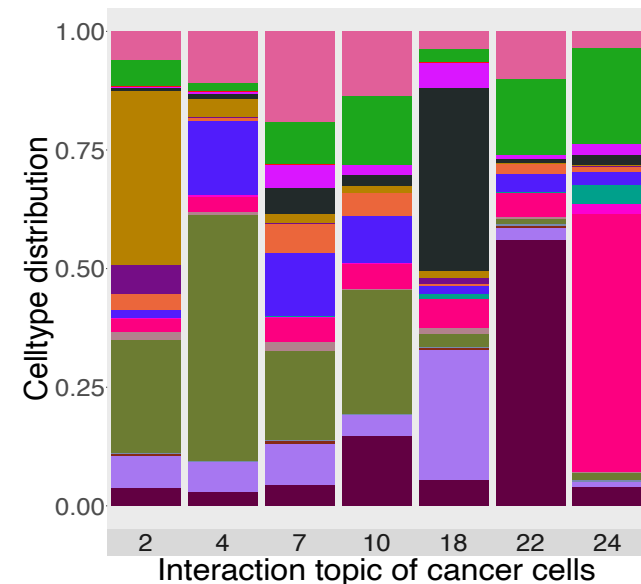
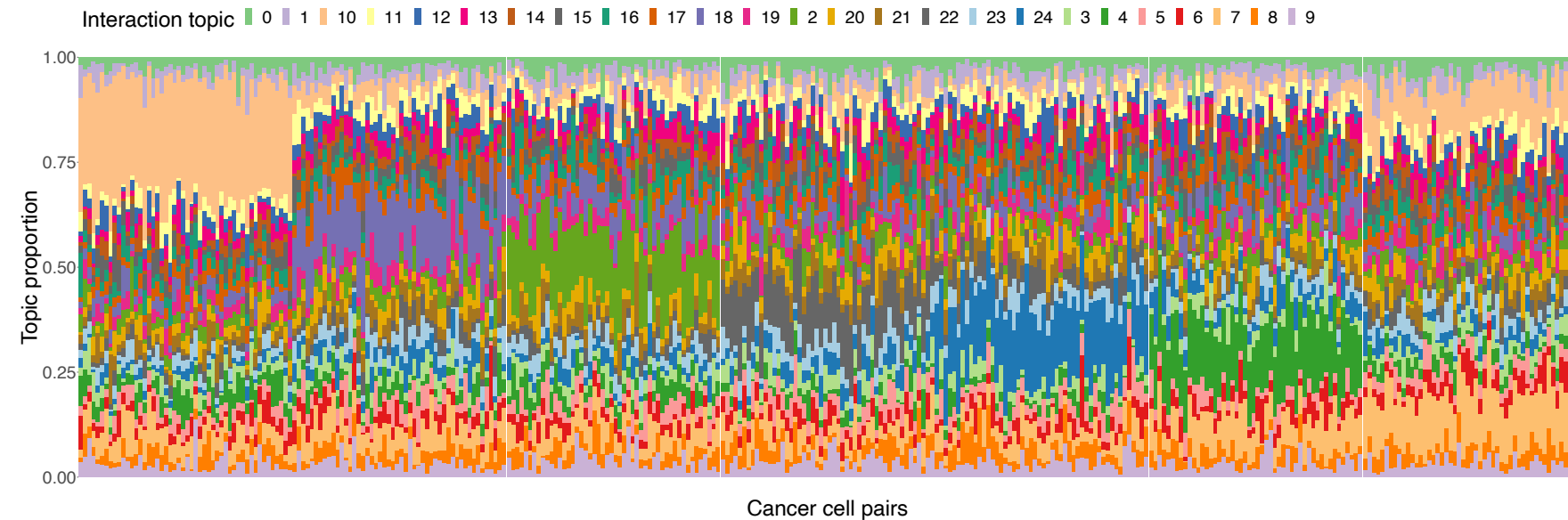


UMAP plot of cell-mixture kmeans label





Cancer cell pairs

Cell type

B\_cell\_n  
B\_cells\_Memory  
CAF\_n  
CAFs\_MSC\_iCAF\_like  
CAFs\_myCAF\_like  
Endothelial\_ACKR1  
Endothelial\_n  
Epithelial\_n  
Luminal\_Progenitors  
Macrophage  
Macrophage\_n  
Monocyte  
Myoepithelial  
Plasma\_n  
Plasmablasts  
PVL\_Differentiated  
PVL\_Immature  
T\_cells\_CD4+

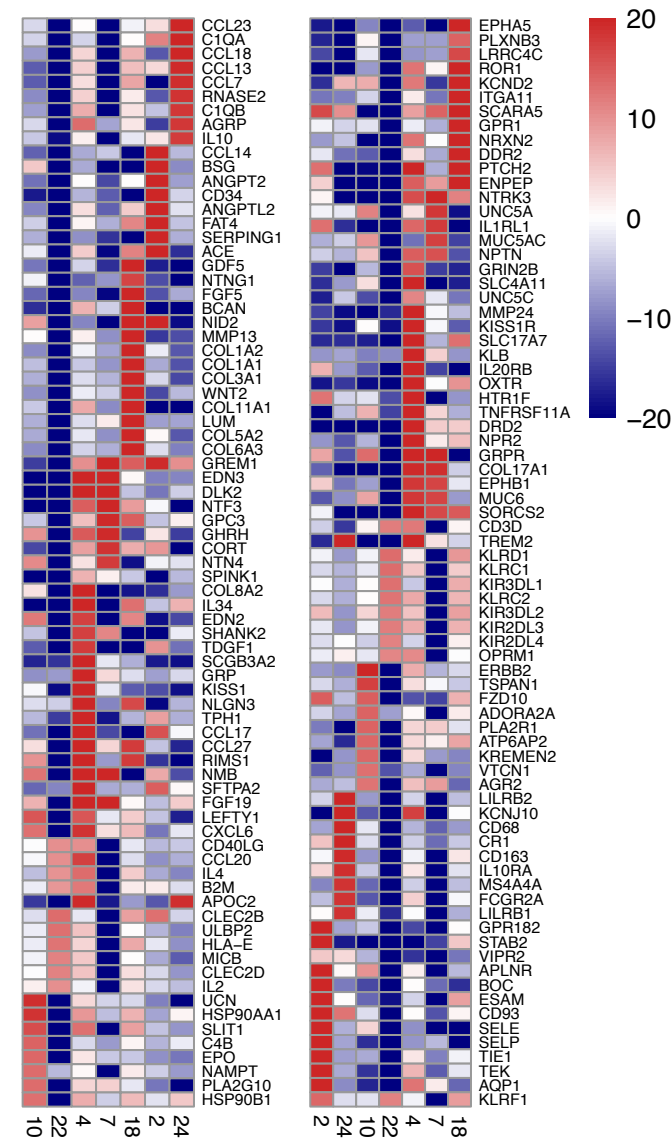
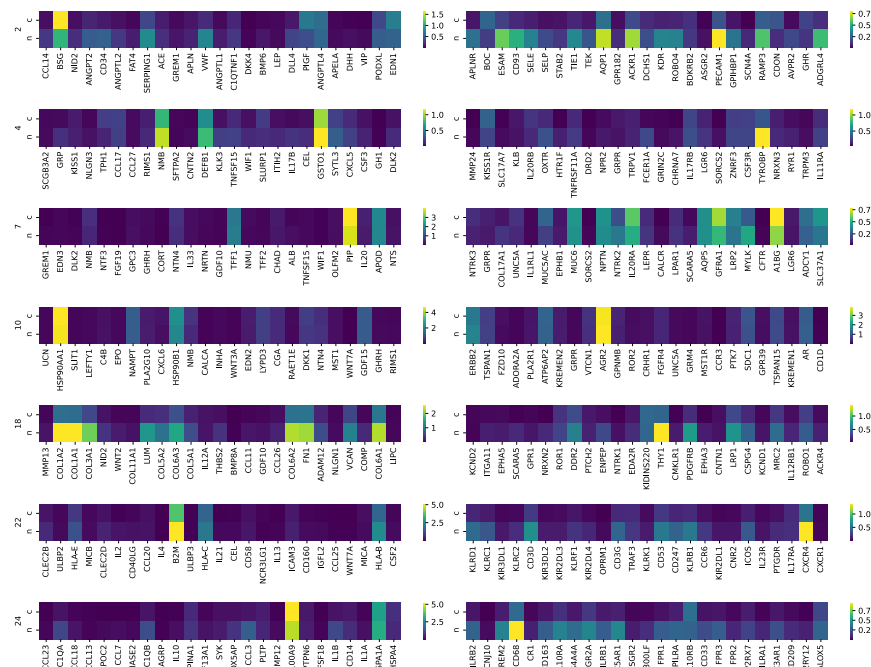


Fig 3a

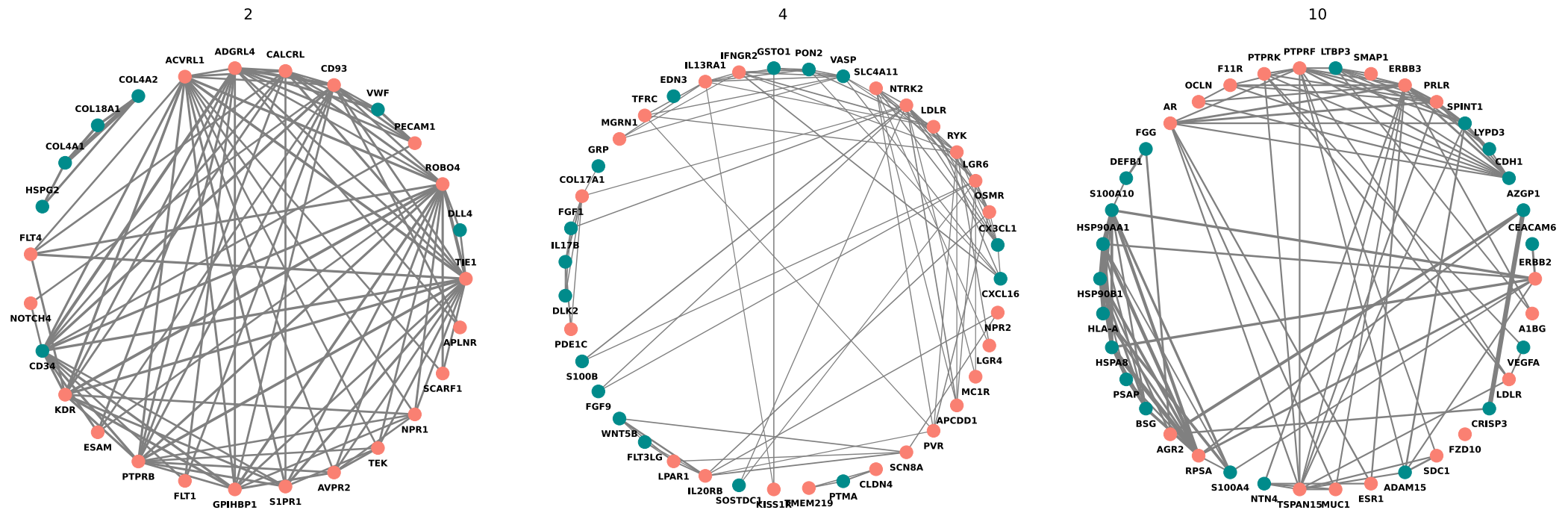
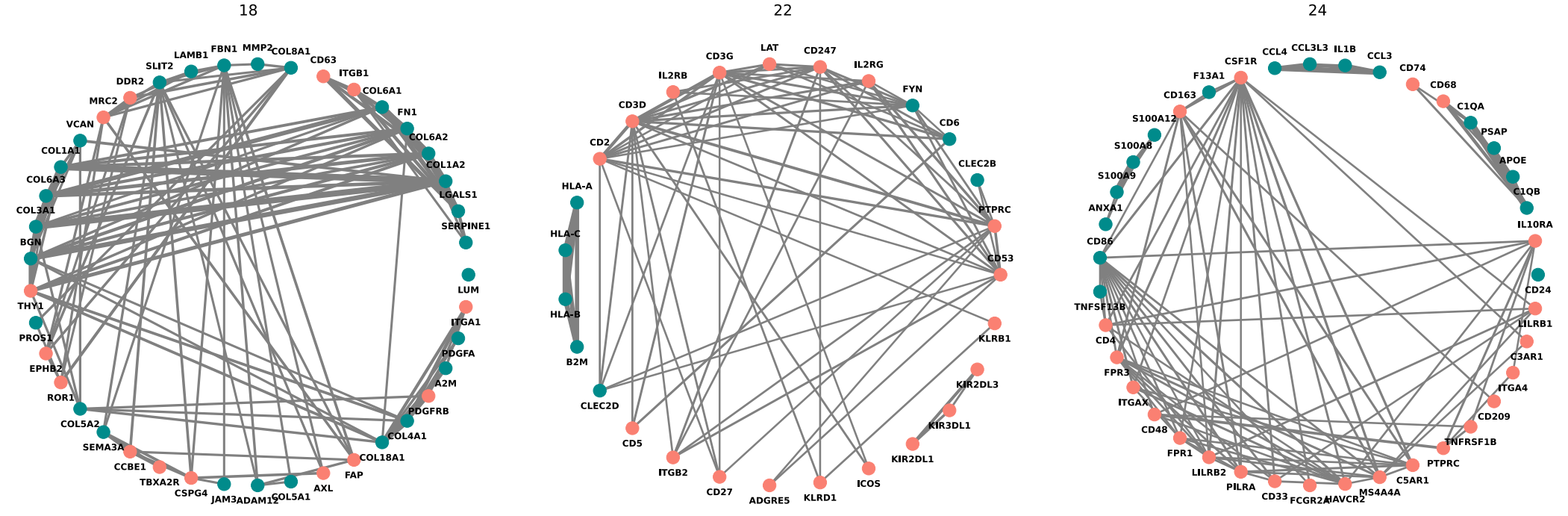


Fig 3b  
DEG



# Fig 4

- Biology from fig 3