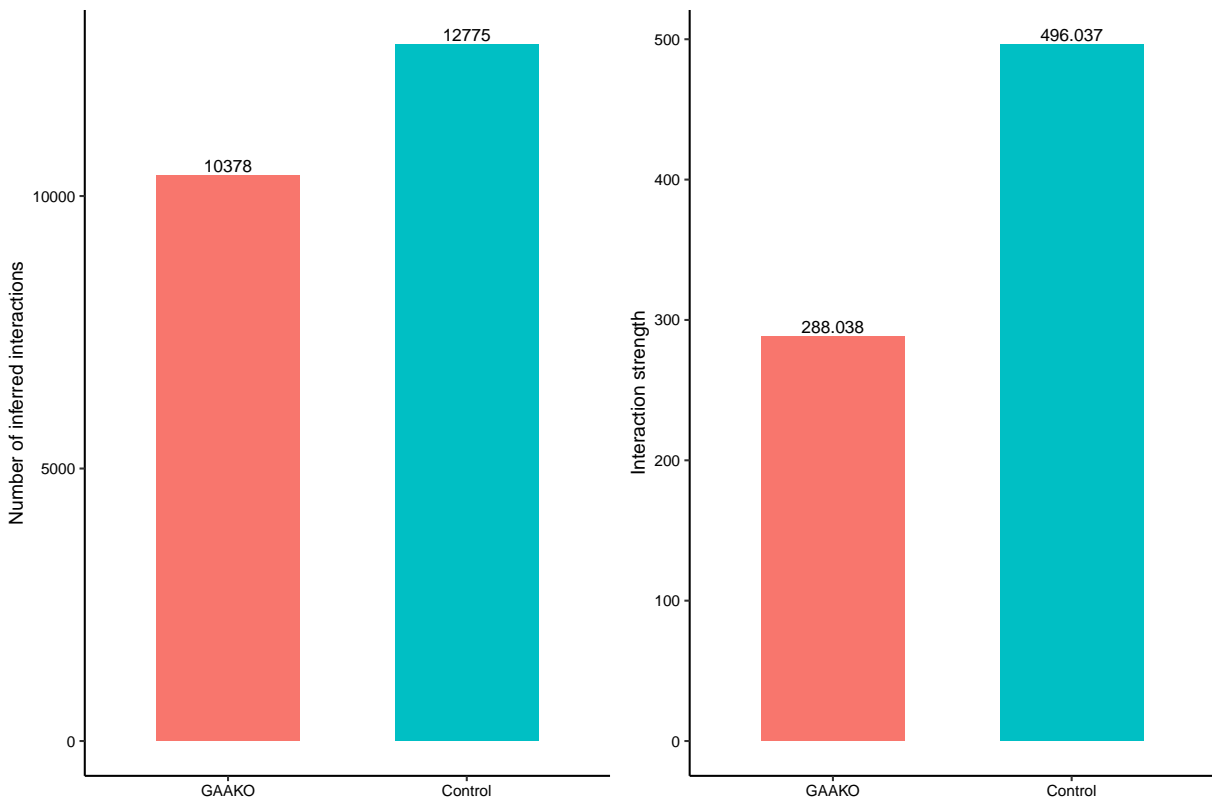
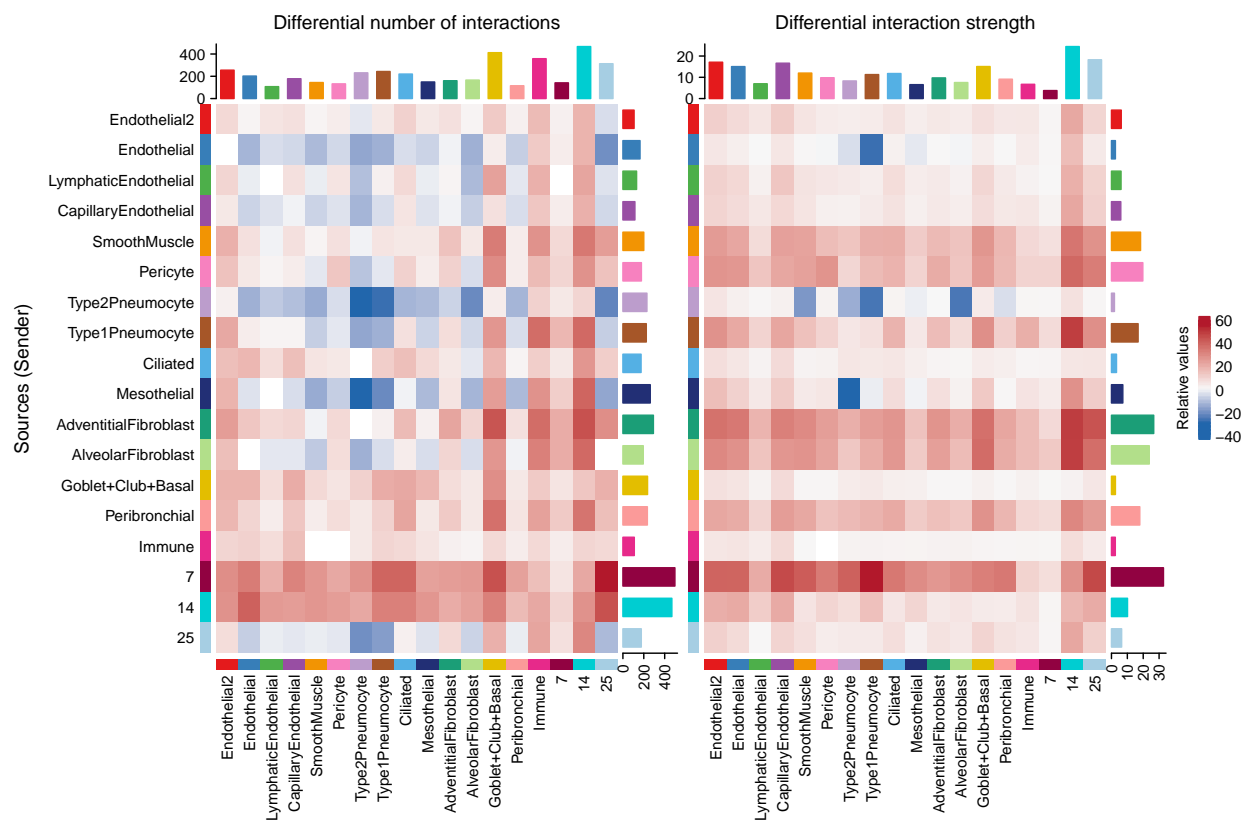
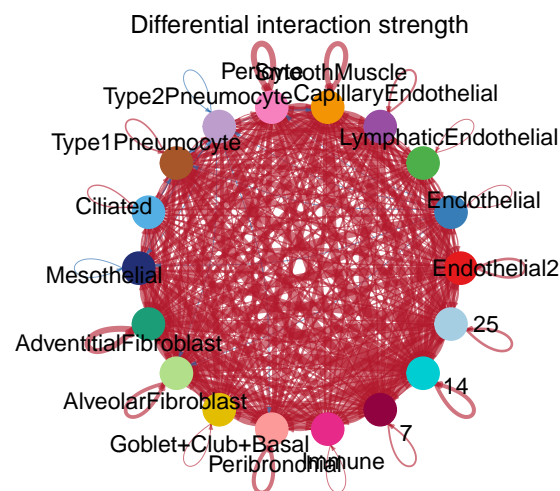
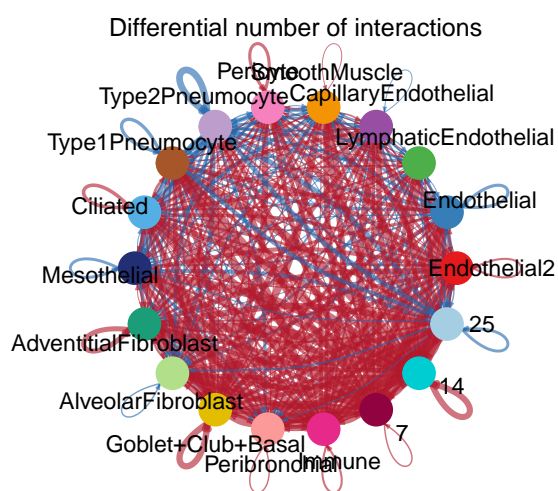


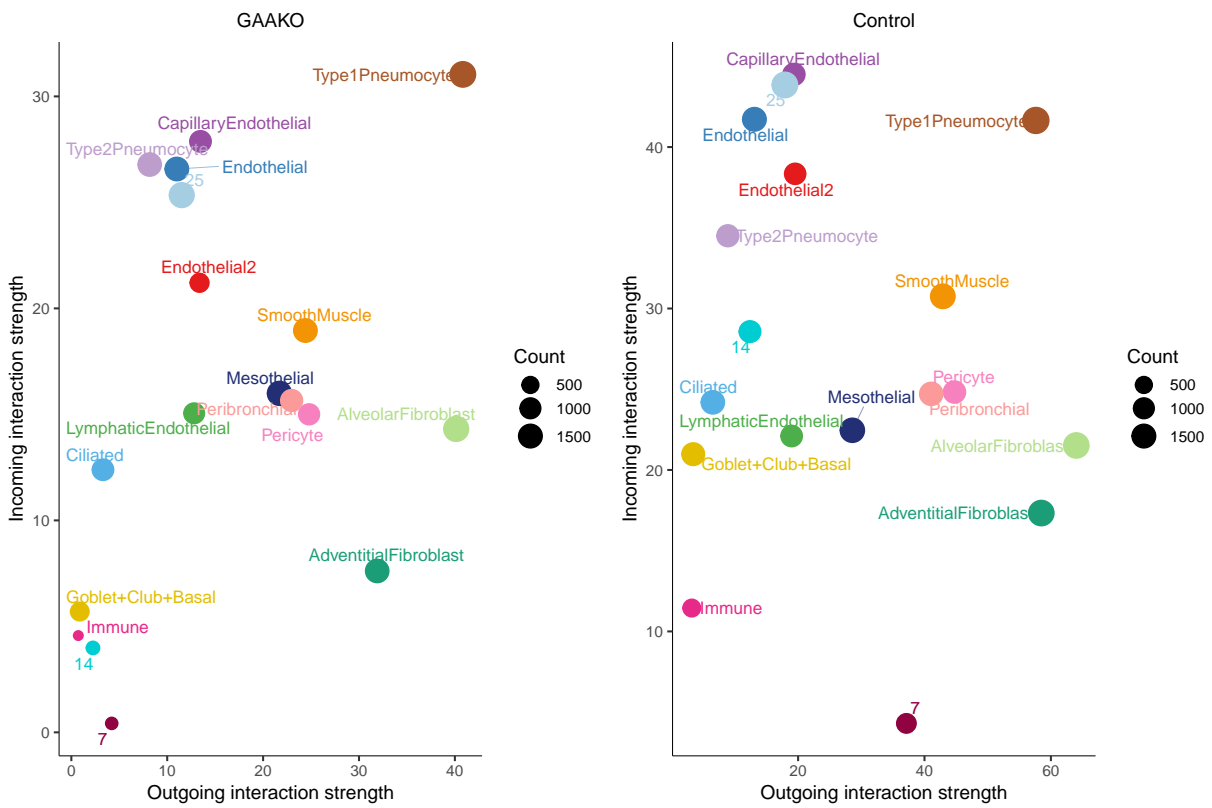
# Interactions

ElMallah Lab, Duke University

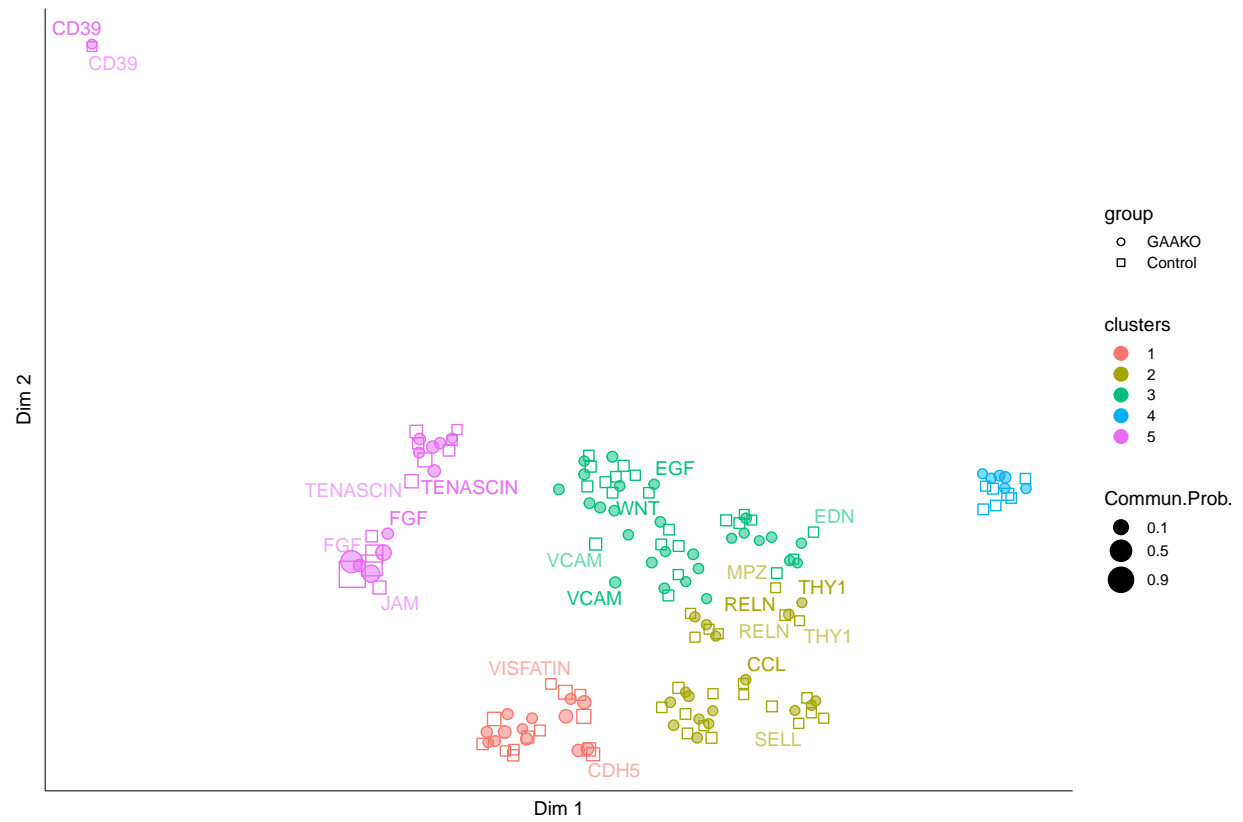
Elias Lai



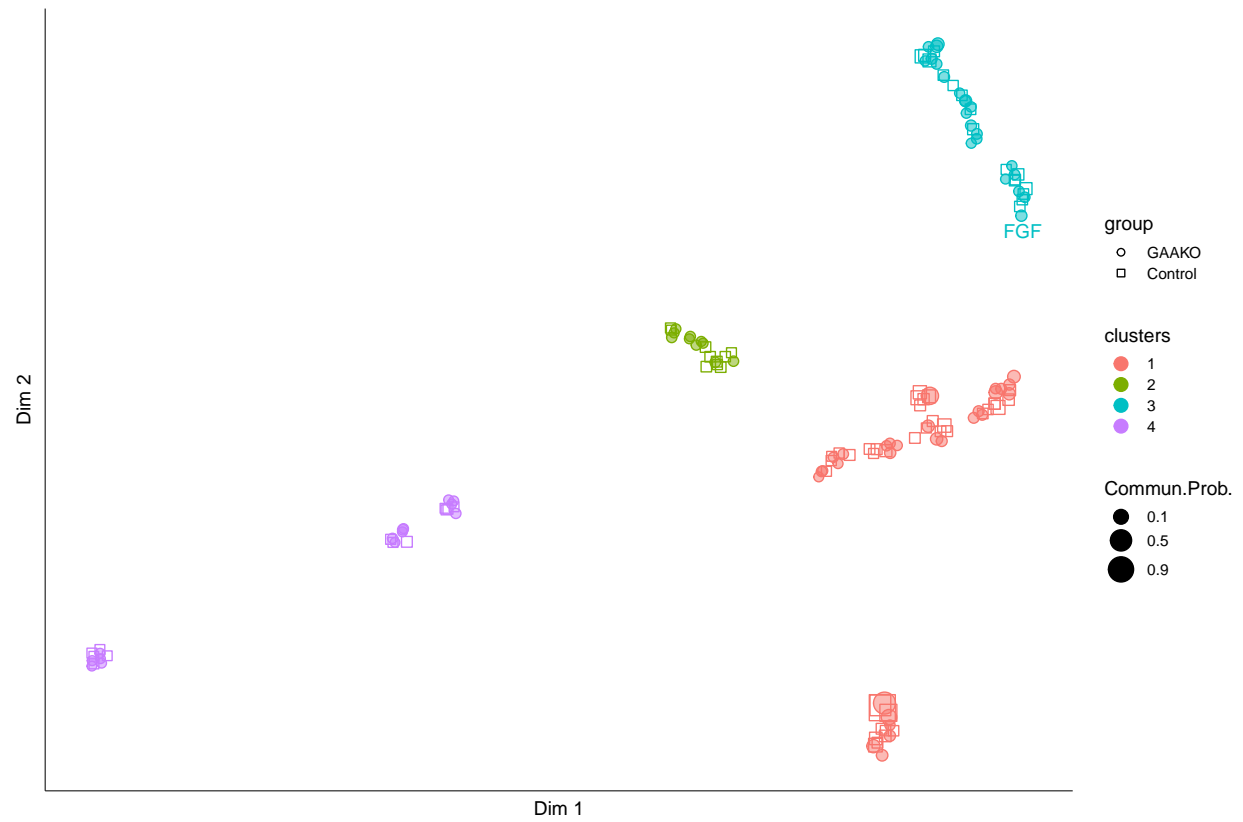




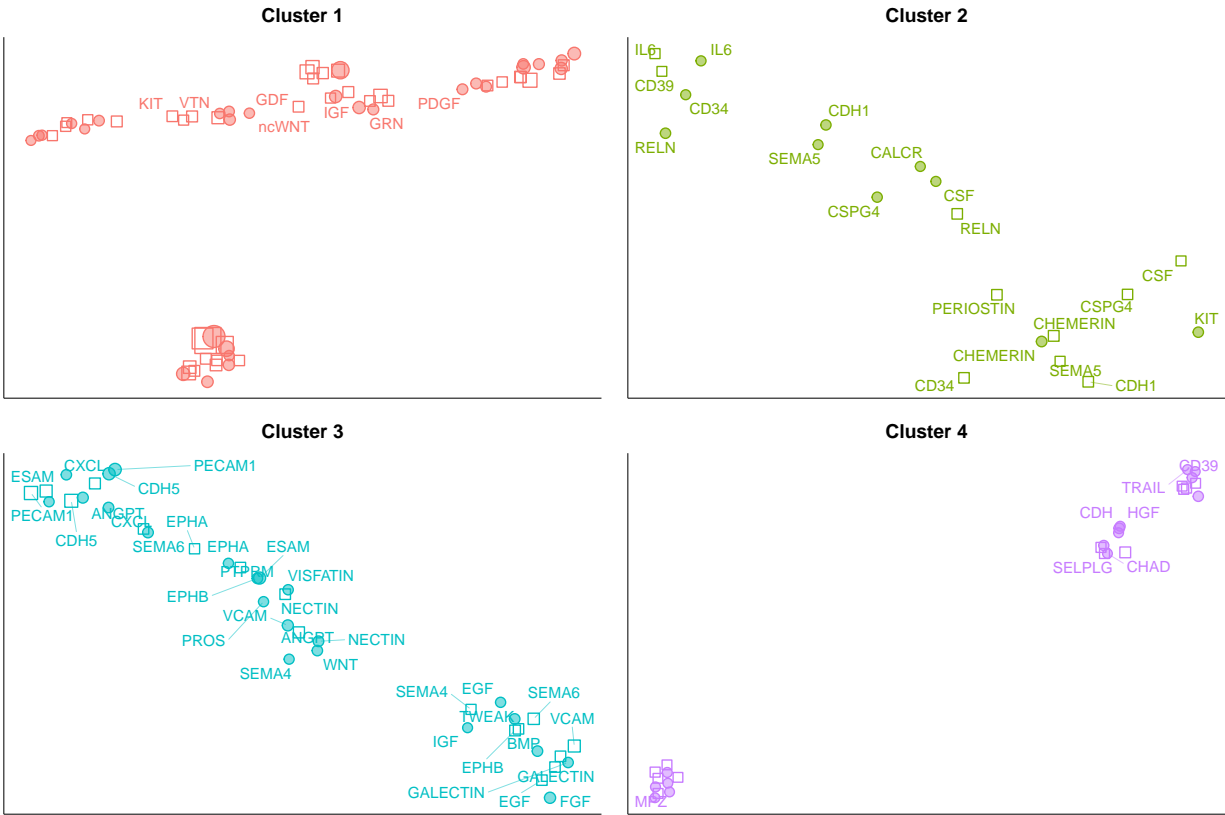
2D visualization of signaling networks from datasets 1 2



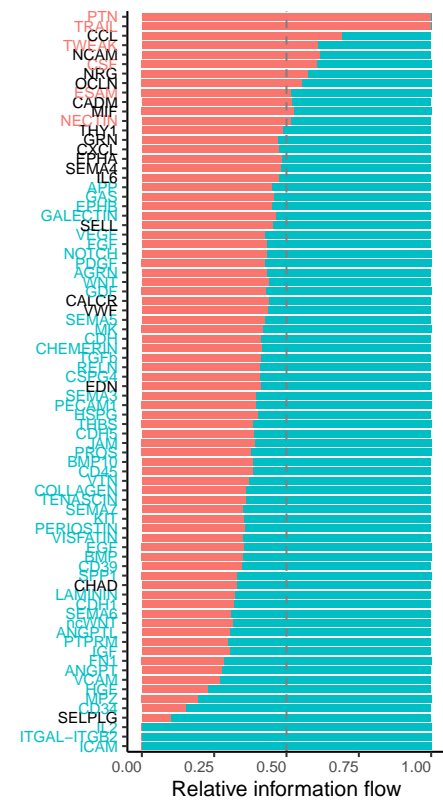
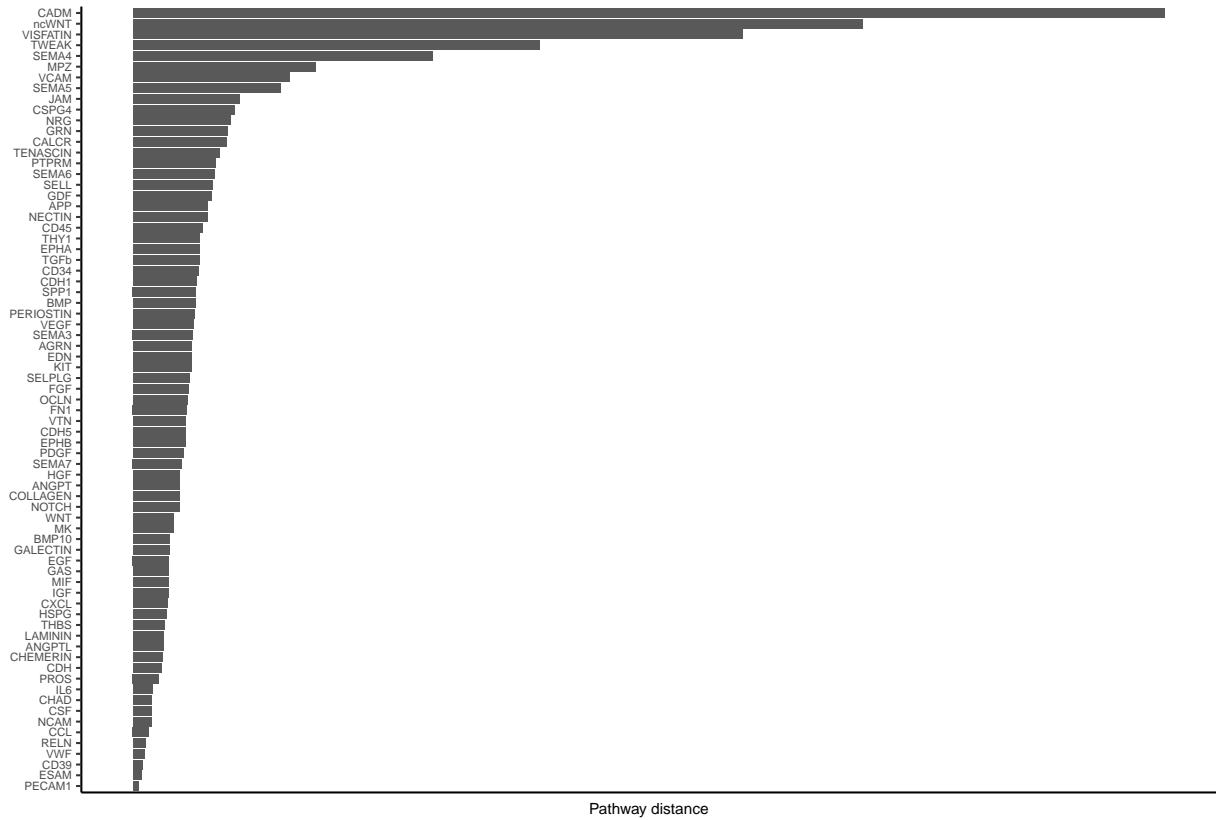
2D visualization of signaling networks from datasets 1 2



2D visualization of signaling networks from datasets 1 2



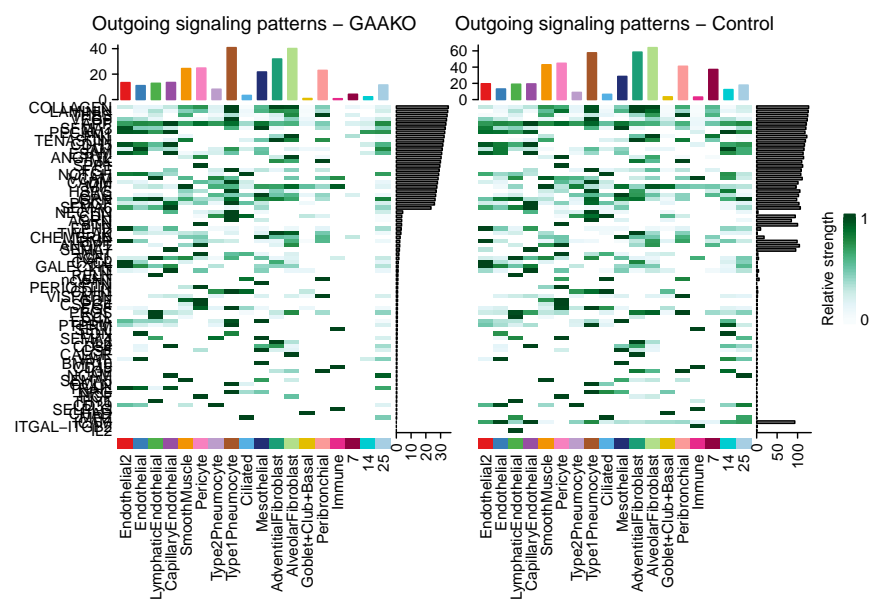
Compute the distance of signaling networks between datasets 1 2



GAAKO  
Control



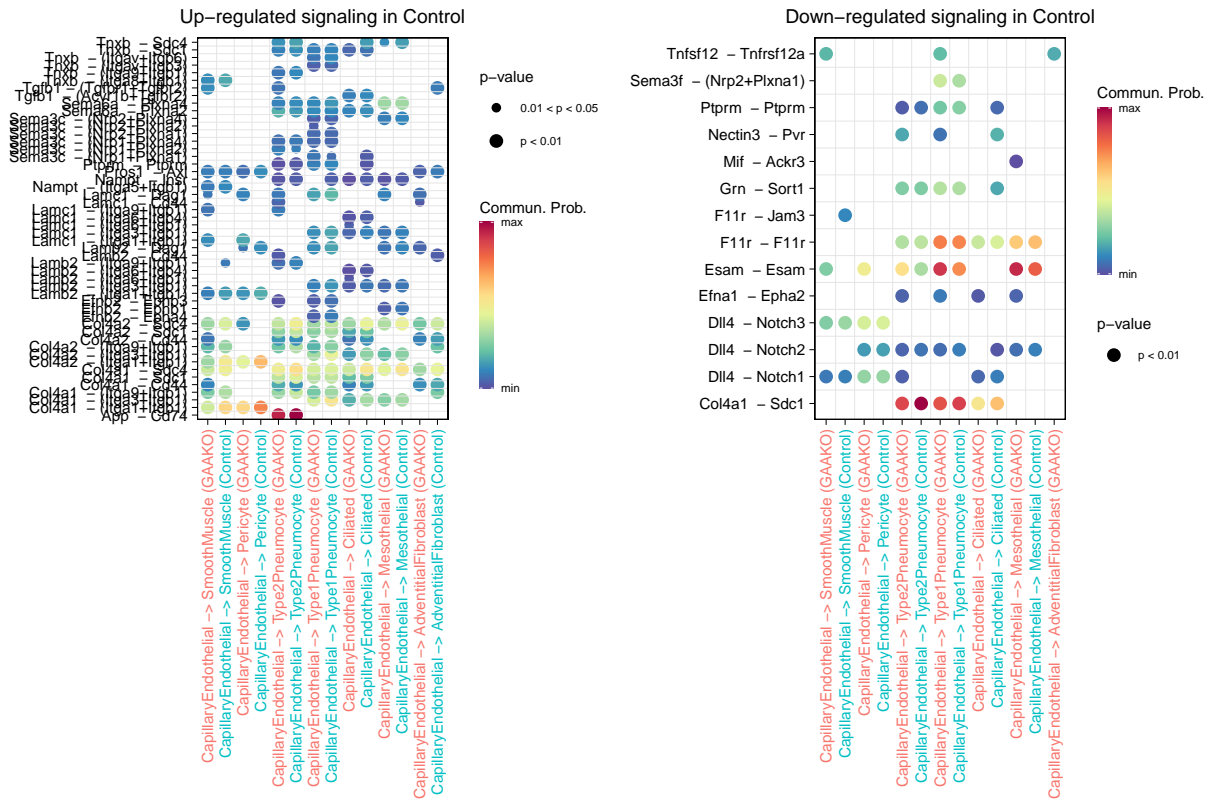
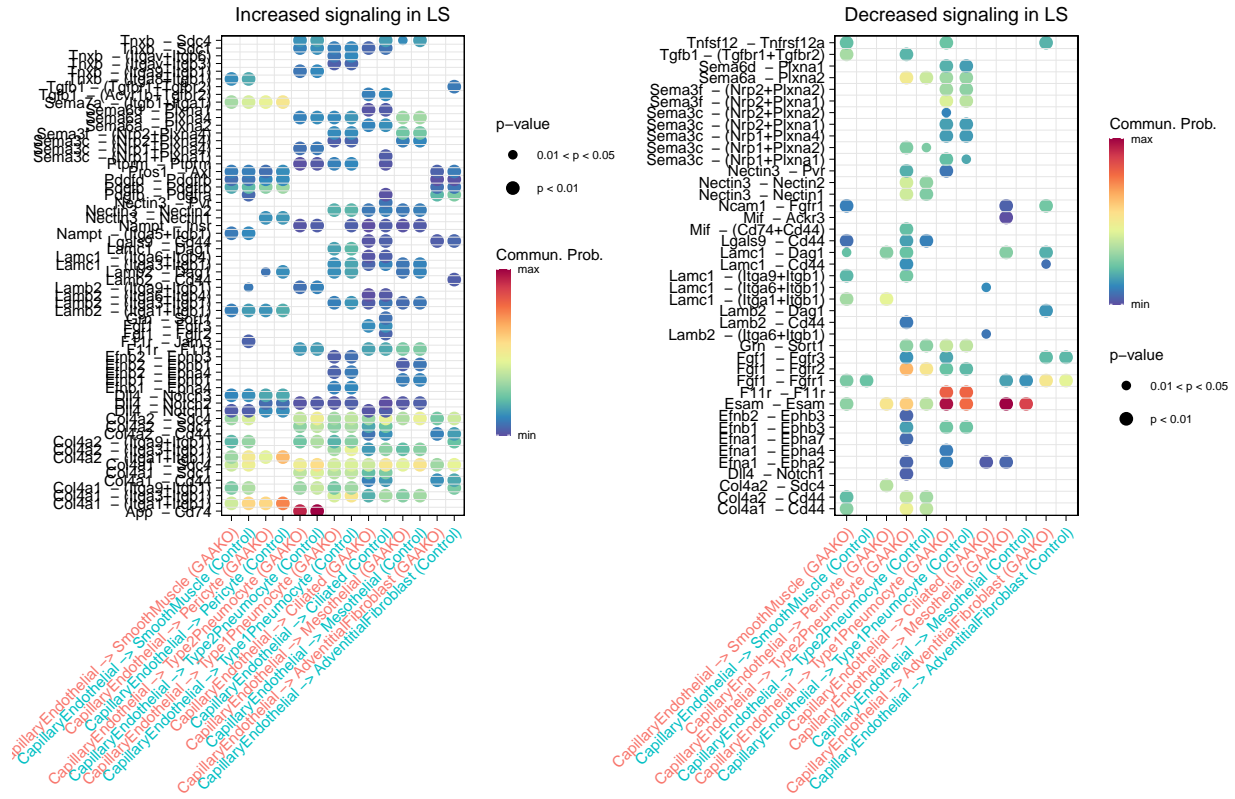
GAAKO  
Control



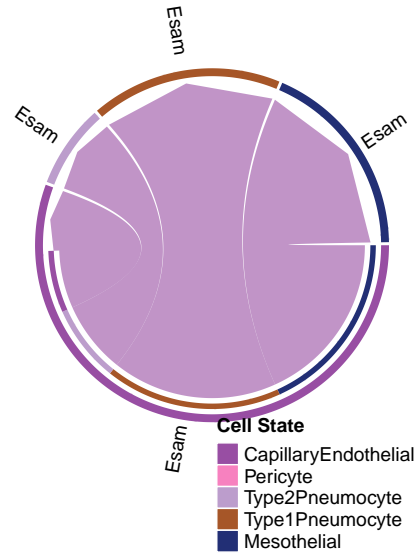




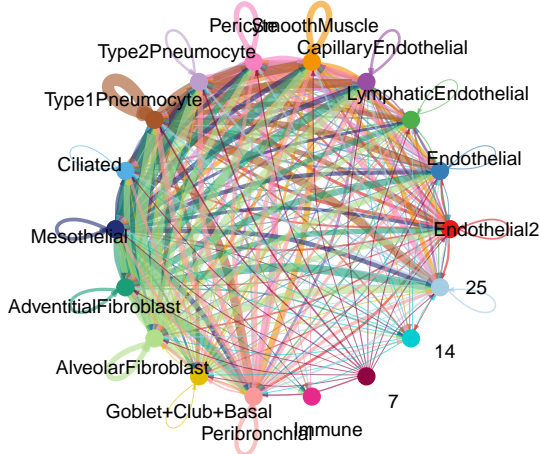




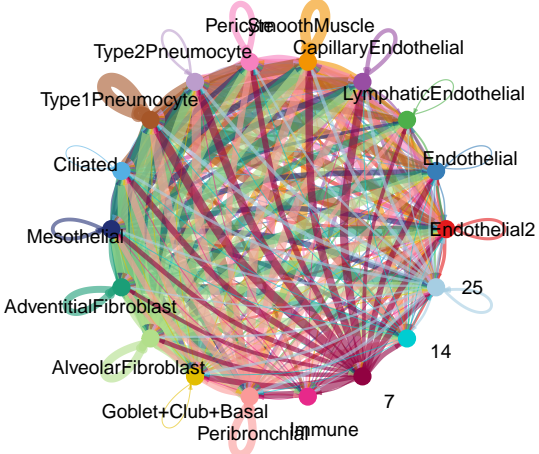
### Down-regulated signaling in Control



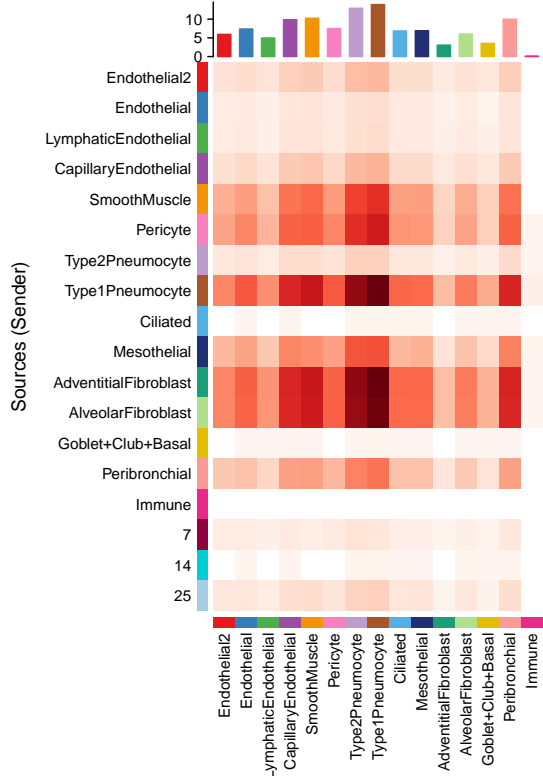
COLLAGEN GAAKO signaling pathway network



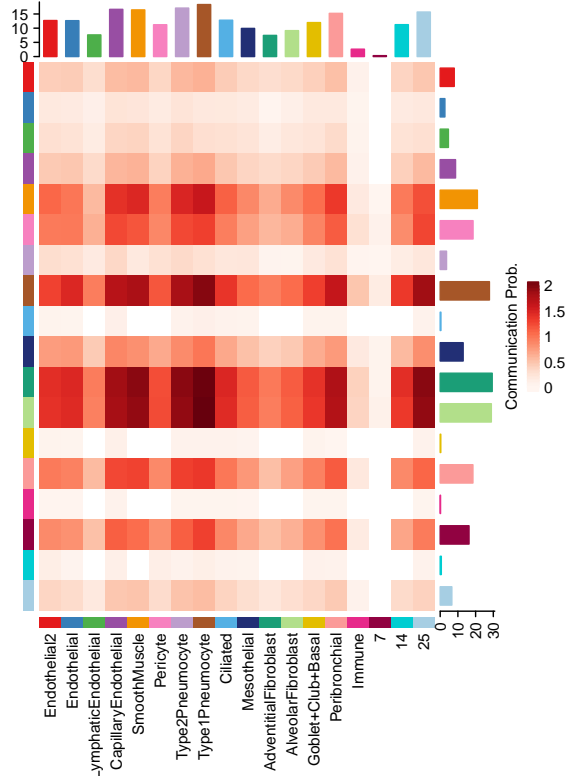
COLLAGEN Control signaling pathway network



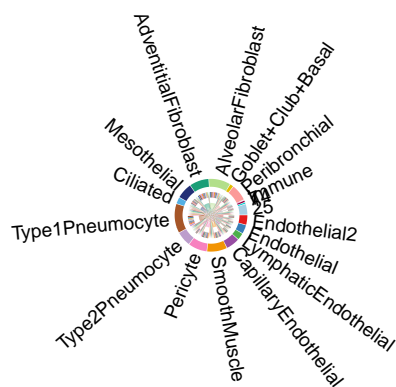
COLLAGEN signaling GAAKO



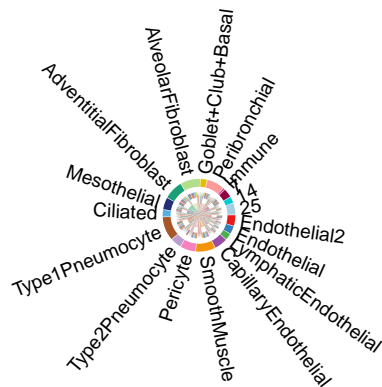
COLLAGEN signaling Control



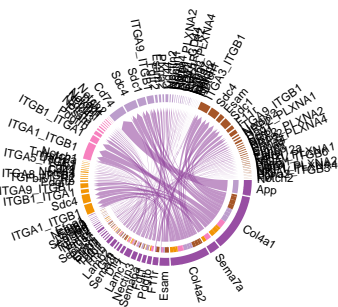
COLLAGEN GAAKO signaling pathway network



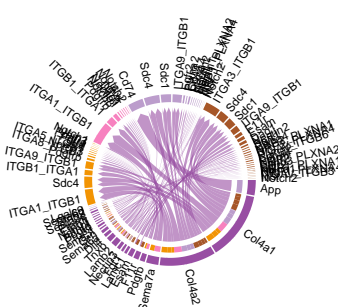
COLLAGEN Control signaling pathway network



Signaling from Inflam.FIB – GAAKO



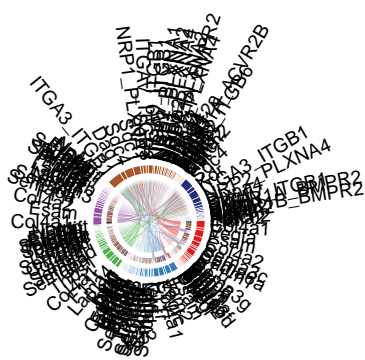
Signaling from Inflam.FIB – Control



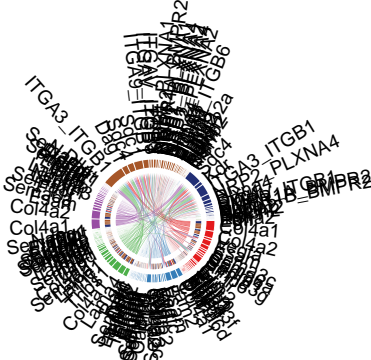
**Cell State**

- CapillaryEndothelial
- SmoothMuscle
- Pericyte
- Type2Pneumocyte
- Type1Pneumocyte

Signaling received by Inflam.DC and .TC – GAAKO



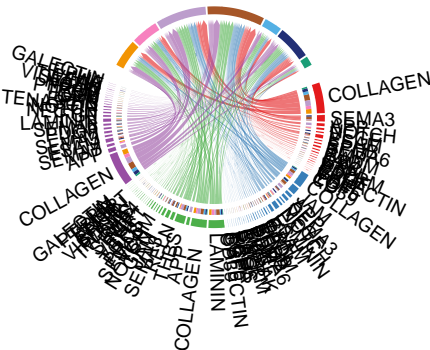
Signaling received by Inflam.DC and .TC – Control



**Cell State**

- Endothelial2
- Endothelial
- LymphaticEndothelial
- CapillaryEndothelial
- Type1Pneumocyte
- Mesothelial

Signaling pathways sending from fibroblast – GAAKO



Signaling pathways sending from fibroblast – Control

