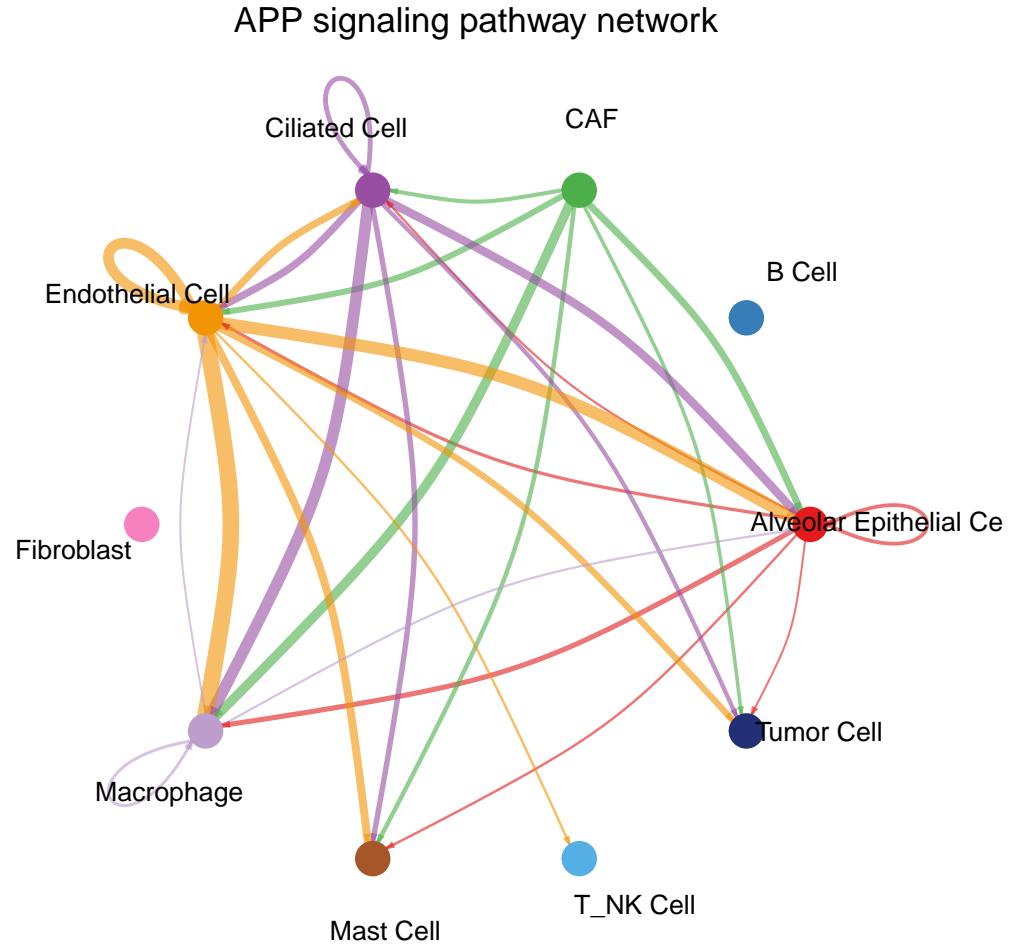
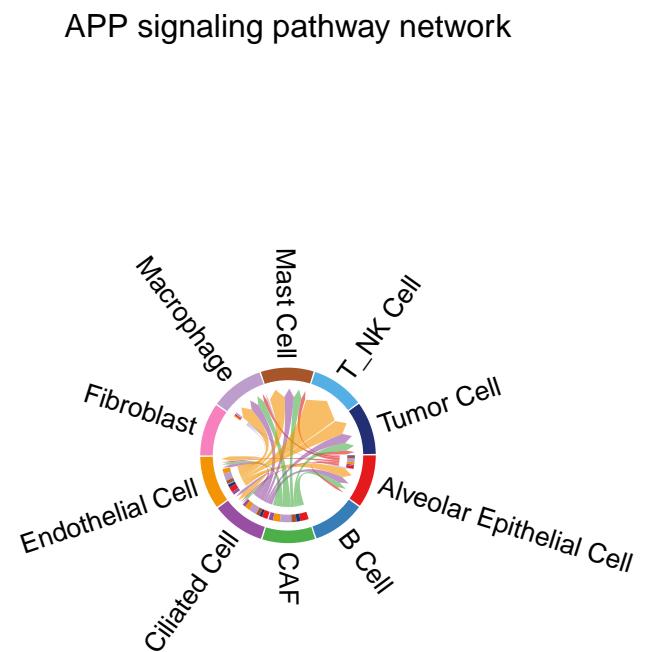


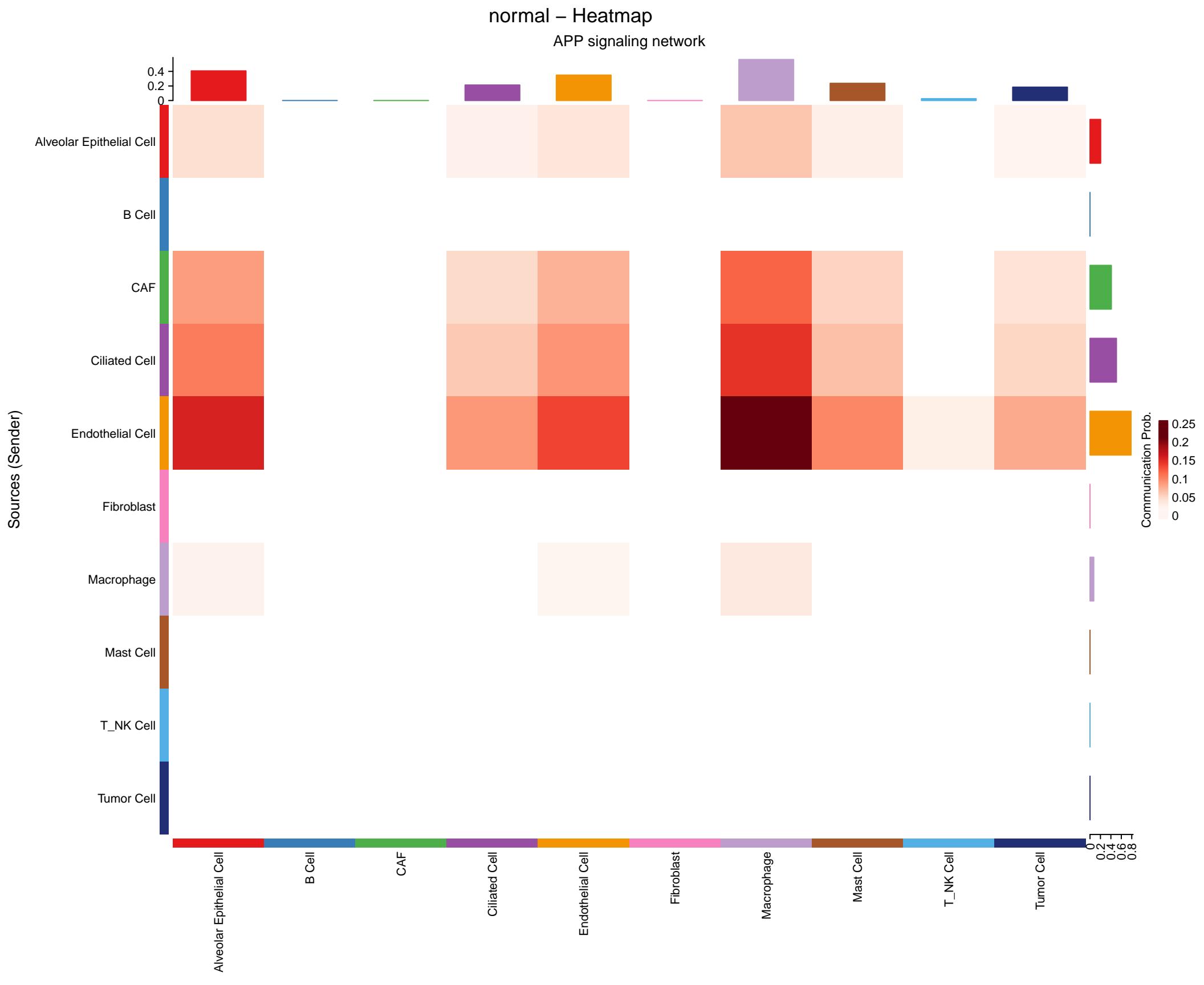


**normal – Circle**



**normal – Chord**



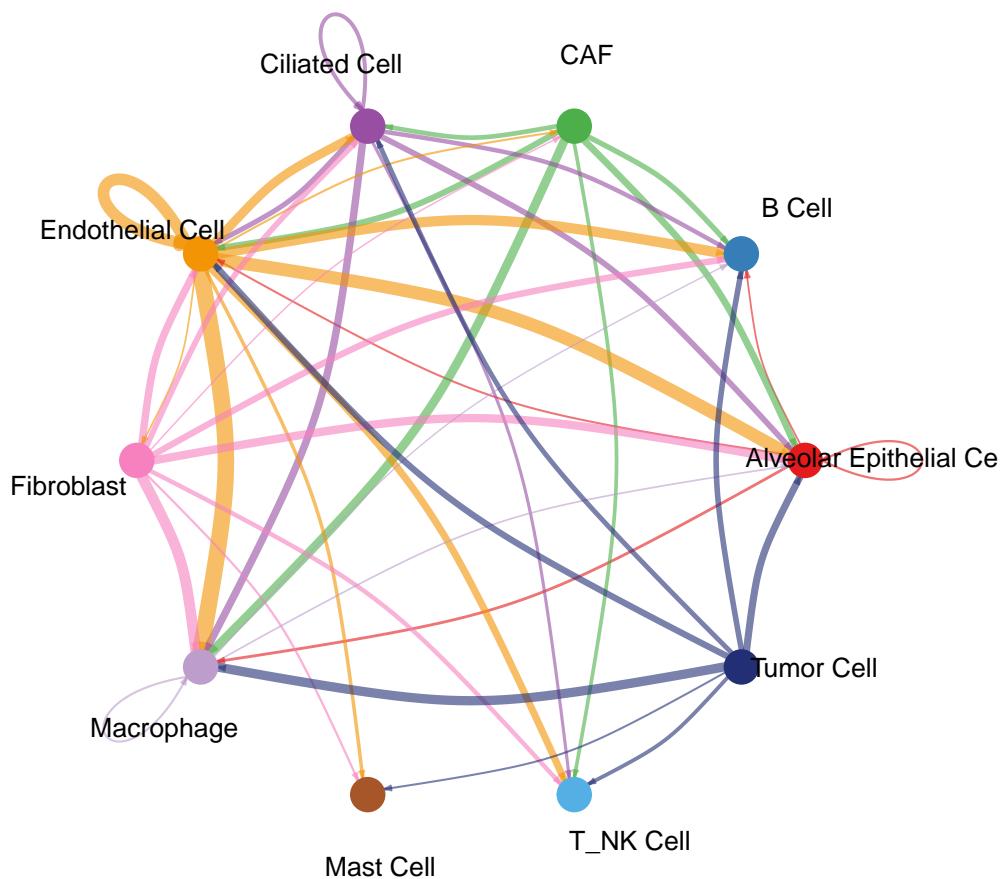




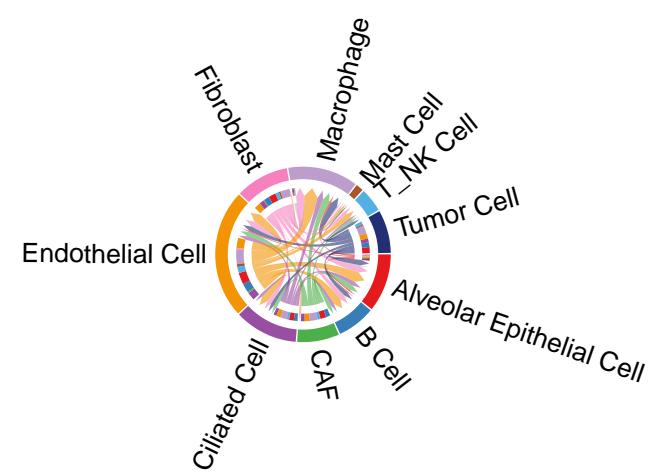
**early – Circle**

**early – Chord**

APP signaling pathway network

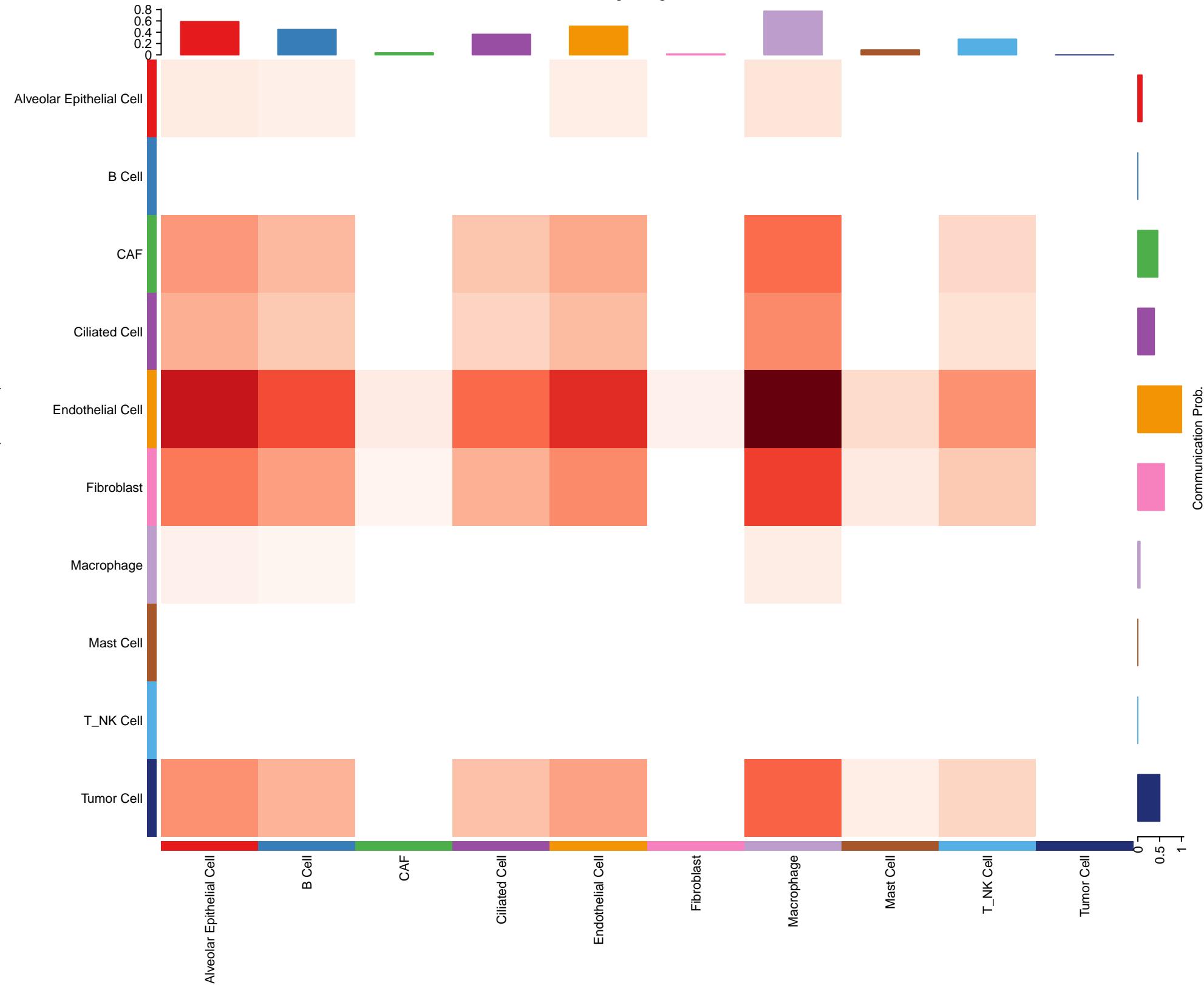


APP signaling pathway network



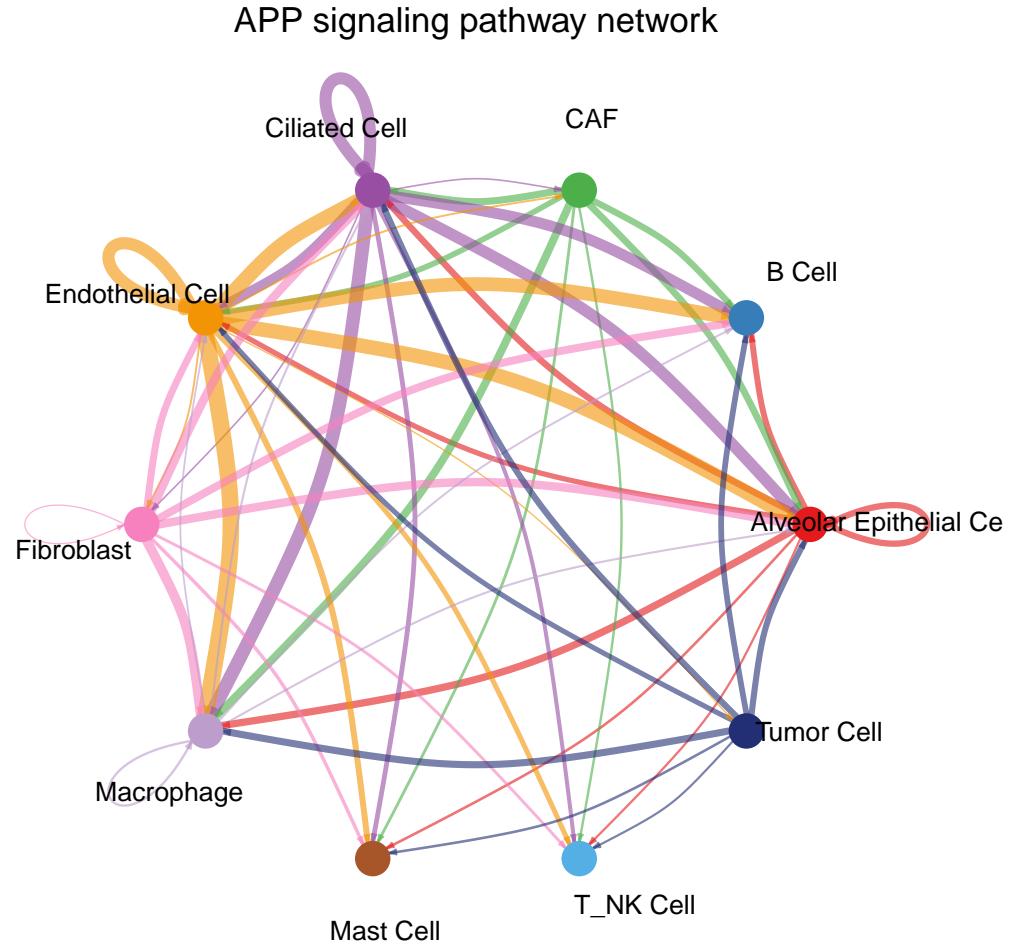
early – Heatmap  
APP signaling network

Sources (Sender)

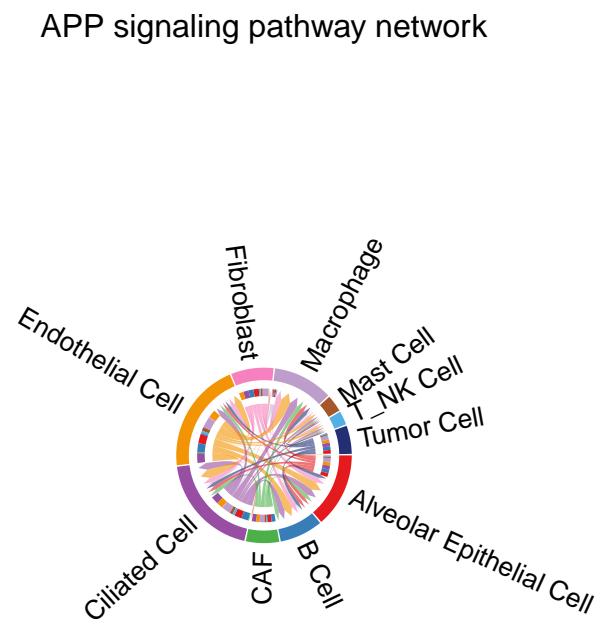


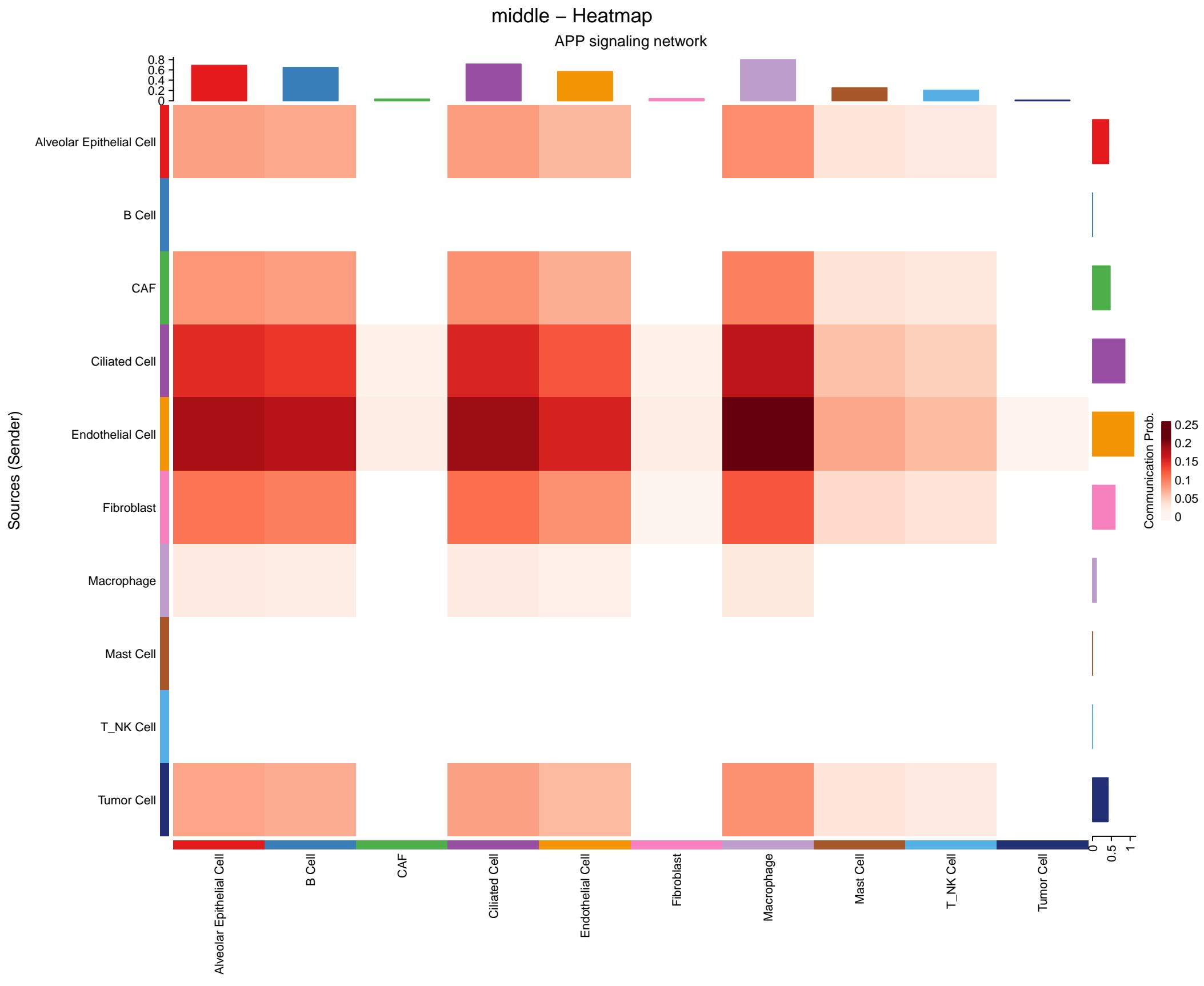


**middle – Circle**



**middle – Chord**





# APP – Information Flow

