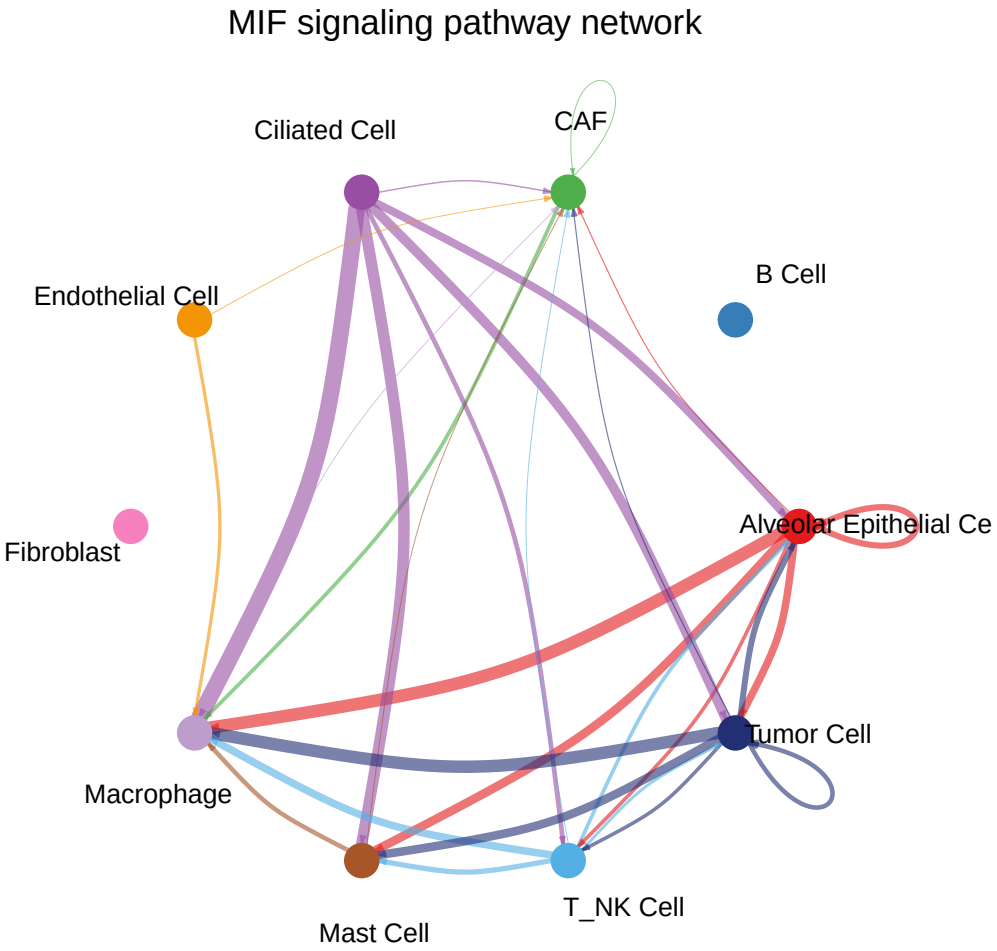
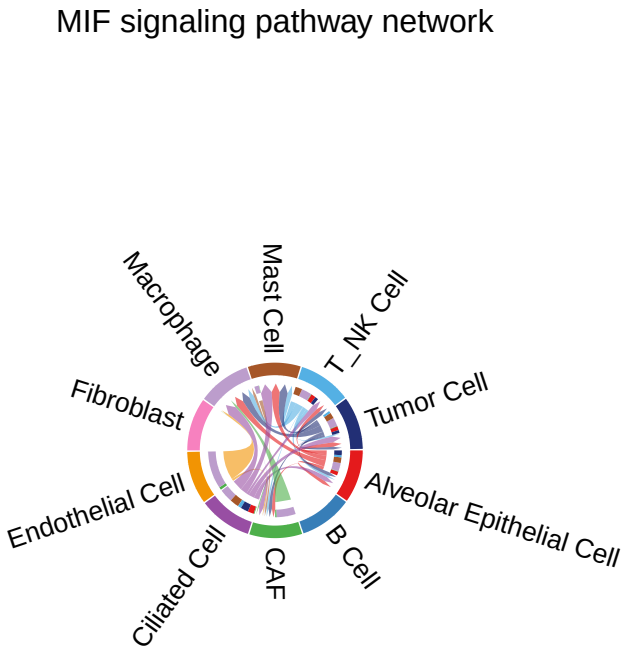
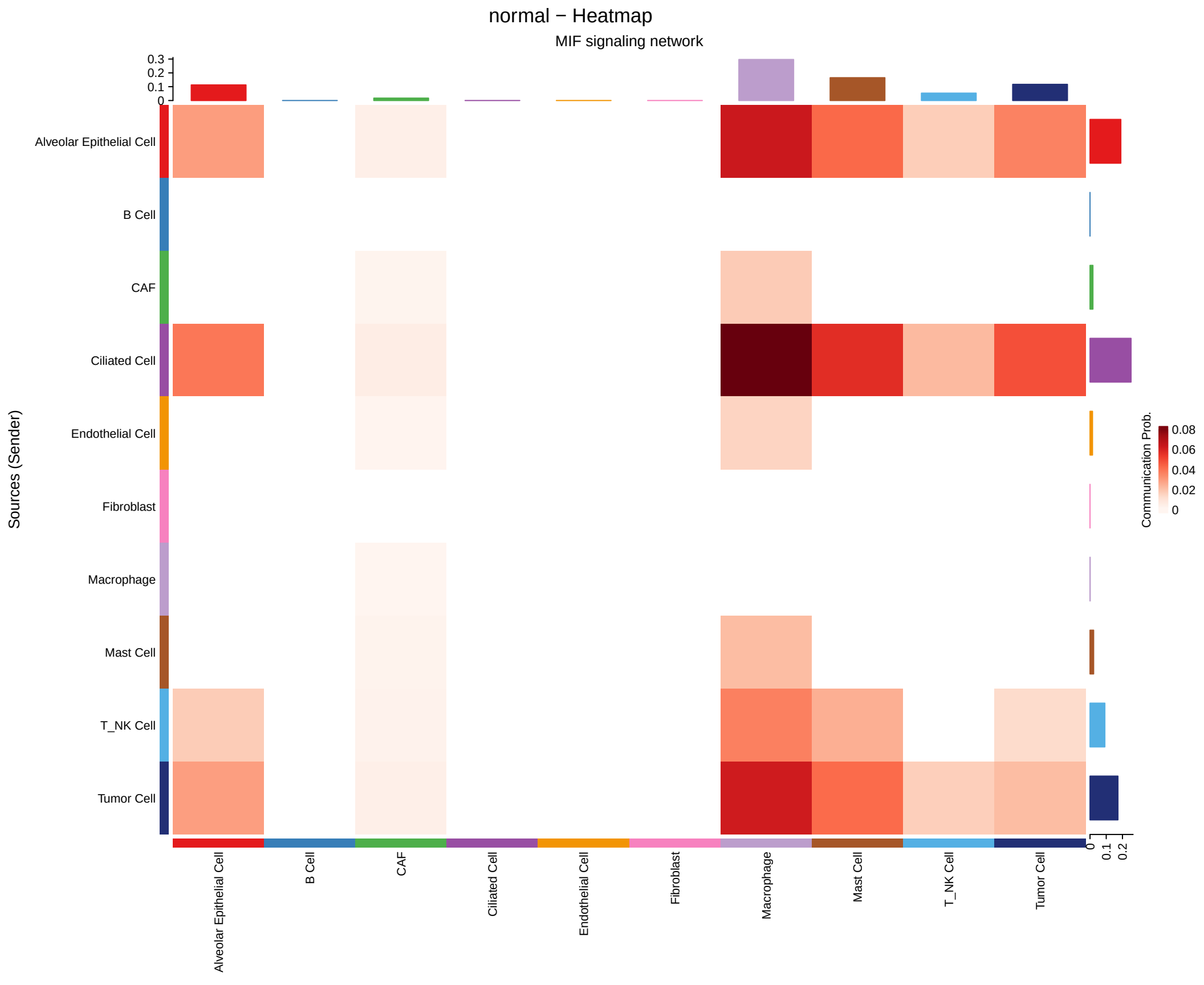
normal − Circle

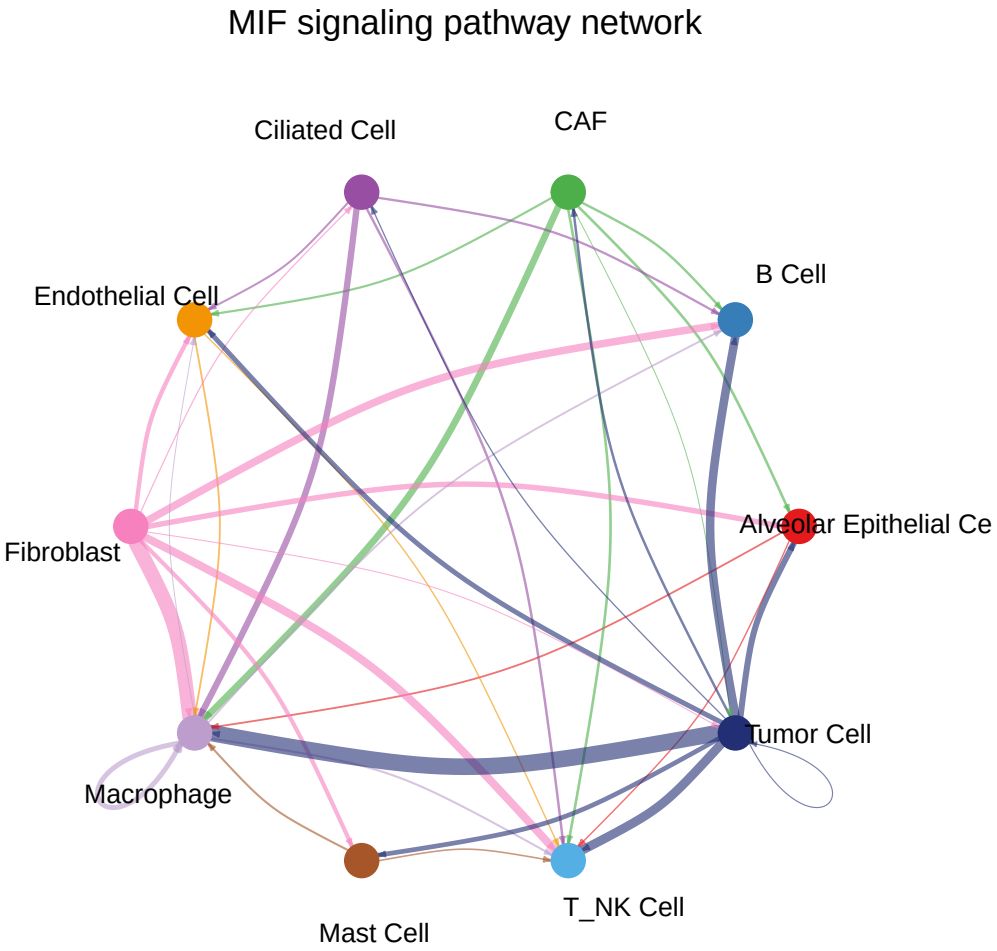


normal − Chord

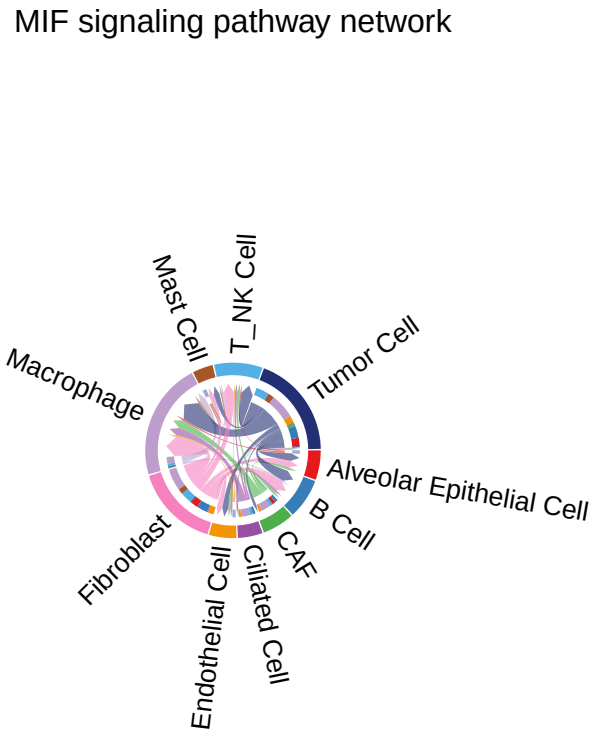


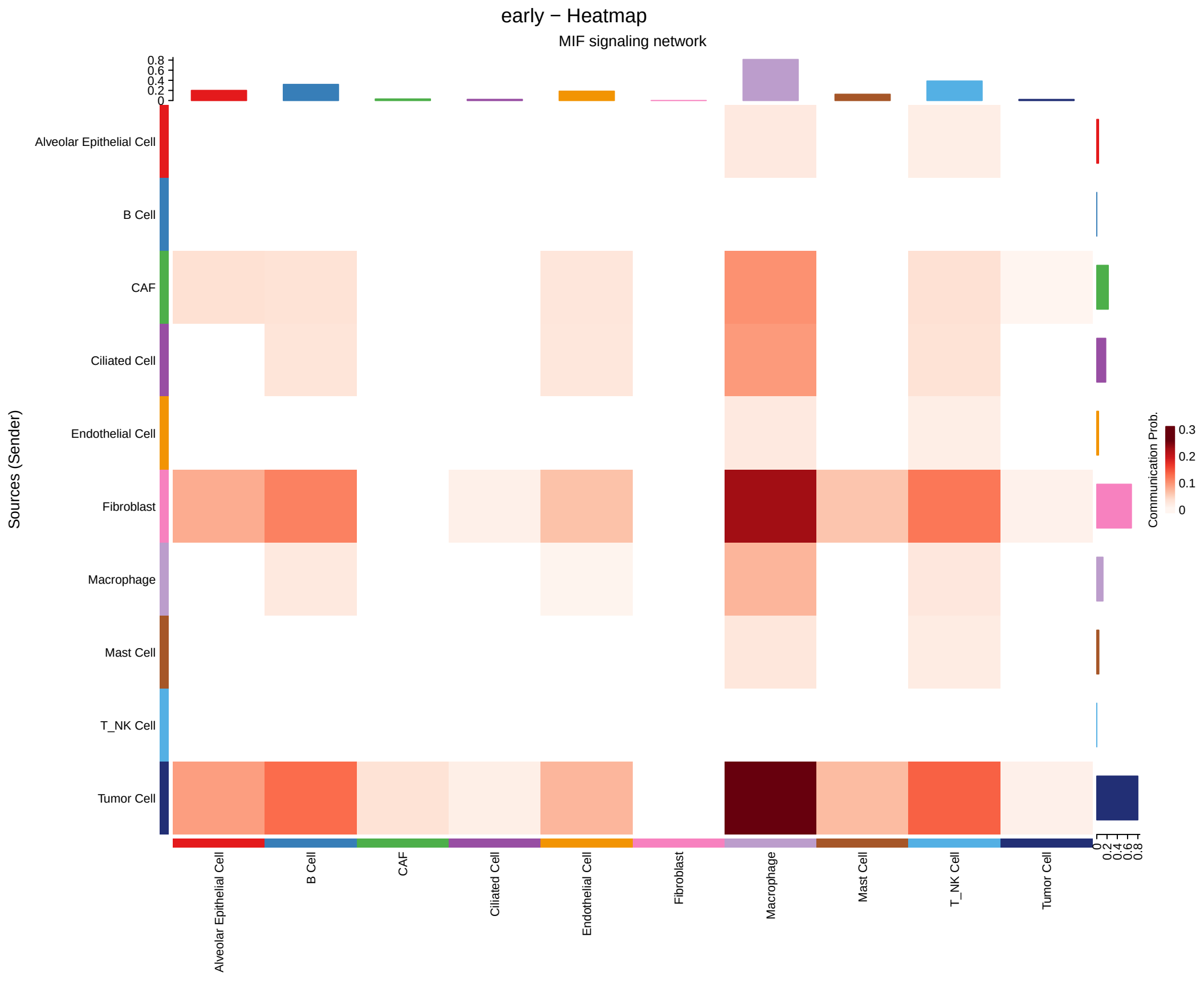

normal − Heatmap
MIF signaling network
Sources (Sender)
Alveolar Epithelial Cell
B Cell
CAF
Ciliated Cell
Endothelial Cell
Fibroblast
Macrophage
Mast Cell
T_NK Cell
Tumor Cell
0.3
0.2
0.1
0
Communication Prob.
0.08
0.06
0.04
0.02
0
0
0.1
0.2

early − Circle

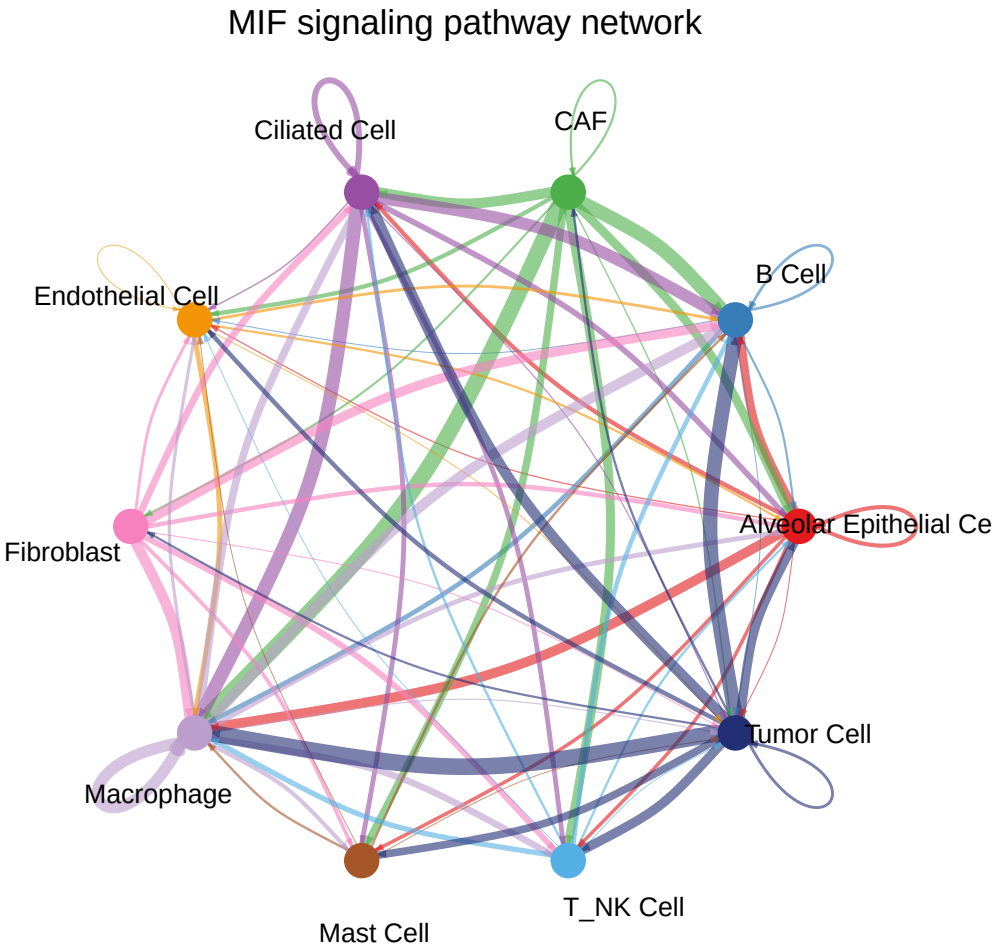


early − Chord

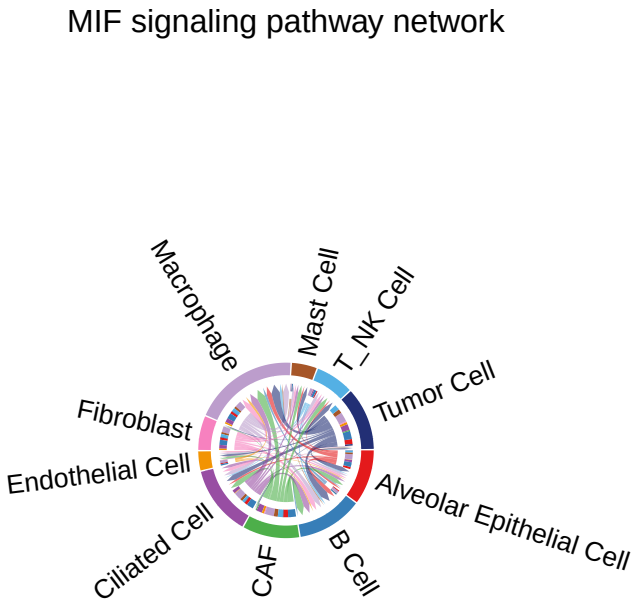


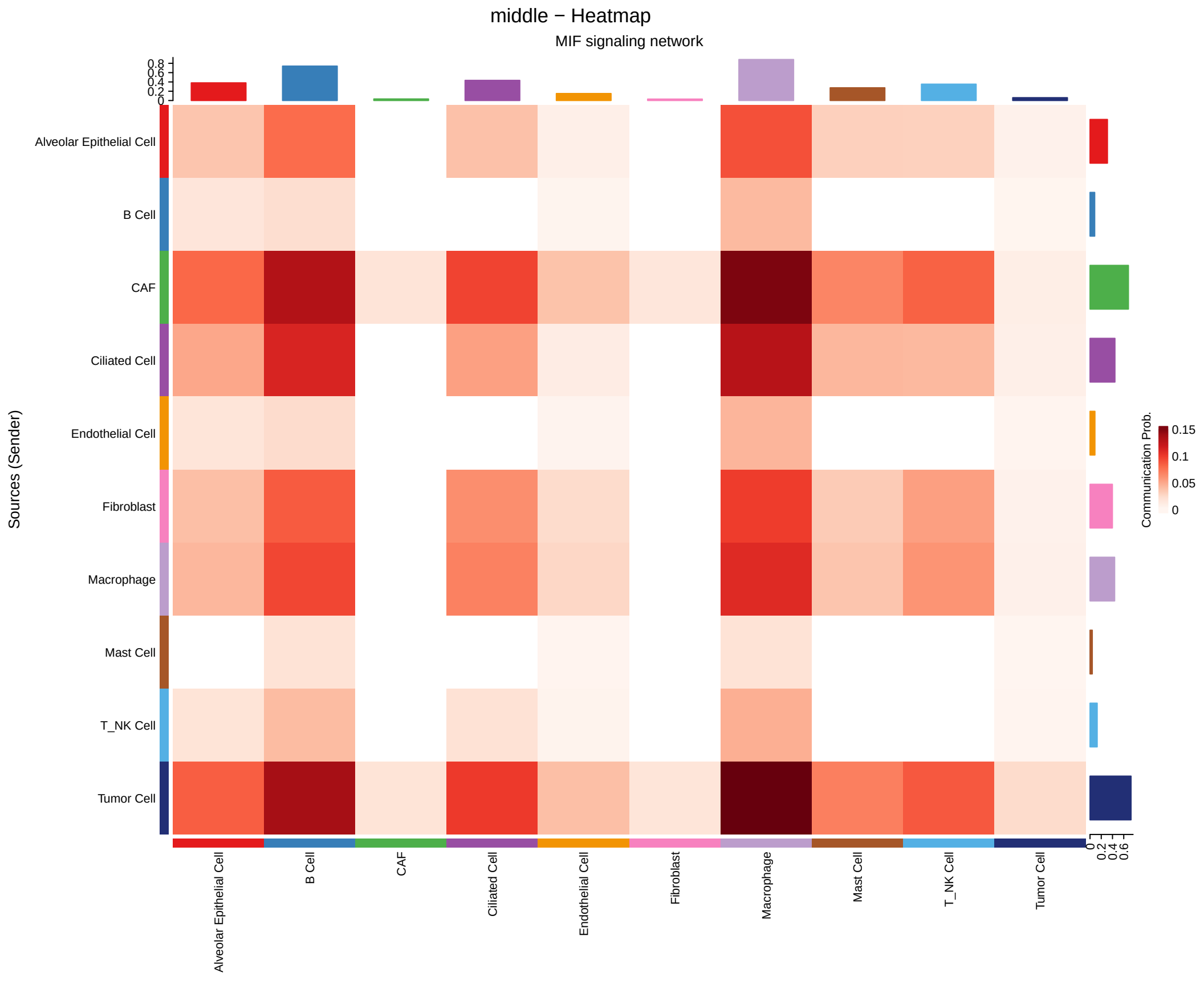

early − Heatmap
MIF signaling network
0.8
0.6
0.4
0.2
0
Alveolar Epithelial Cell
B Cell
CAF
Ciliated Cell
Endothelial Cell
Fibroblast
Macrophage
Mast Cell
T_NK Cell
Tumor Cell
Sources (Sender)
Communication Prob.
0.3
0.2
0.1
0
0
0.2
0.4
0.6
0.8

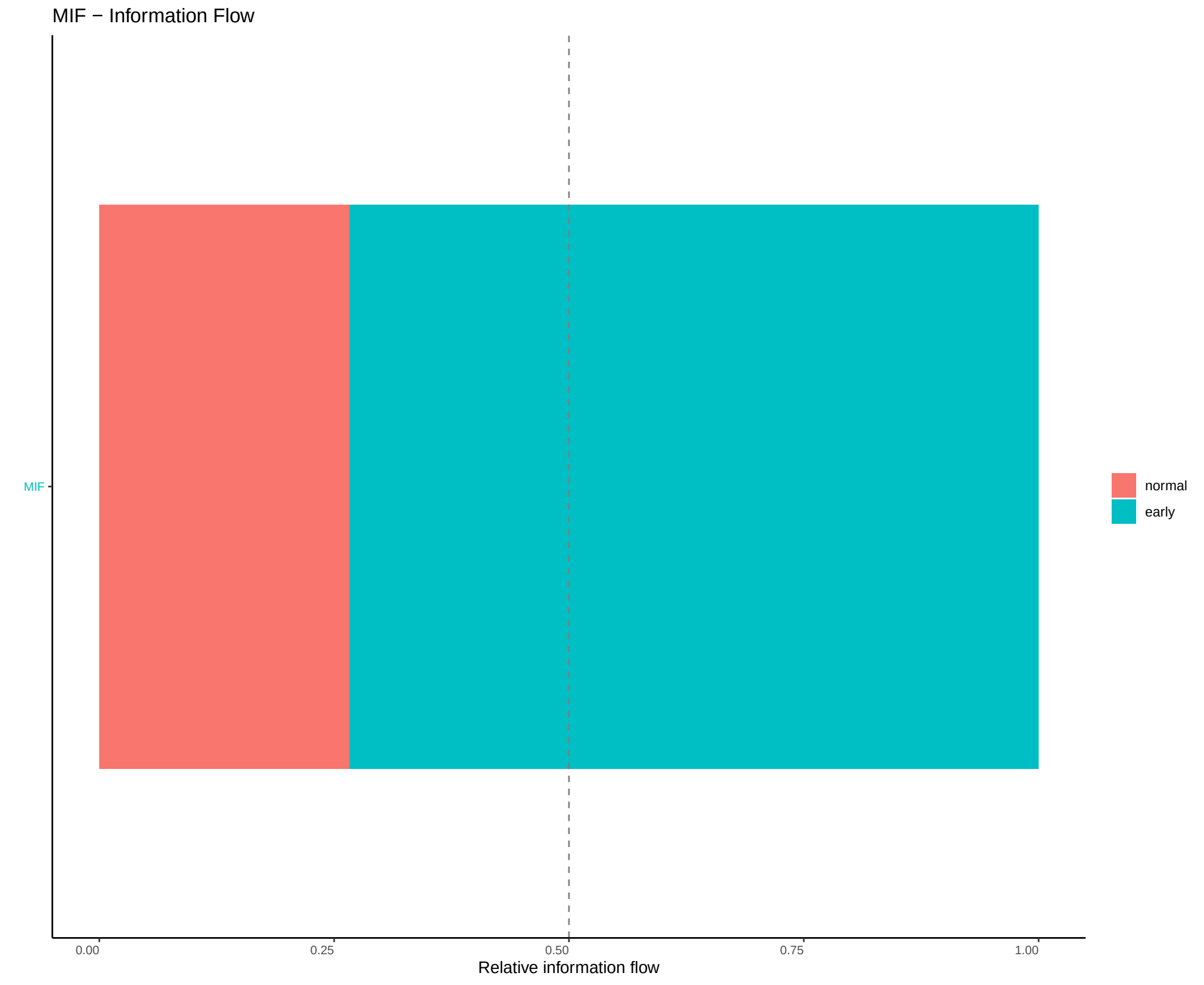
middle − Circle



middle − Chord




middle − Heatmap
MIF signaling network
0.8
0.6
0.4
0.2
0
Alveolar Epithelial Cell
B Cell
CAF
Ciliated Cell
Endothelial Cell
Fibroblast
Macrophage
Mast Cell
T_NK Cell
Tumor Cell
Sources (Sender)
Communication Prob.
0.15
0.1
0.05
0
0
0.2
0.4
0.6


MIF − Information Flow
MIF
normal
early
0.00
0.25
0.50
0.75
1.00
Relative information flow