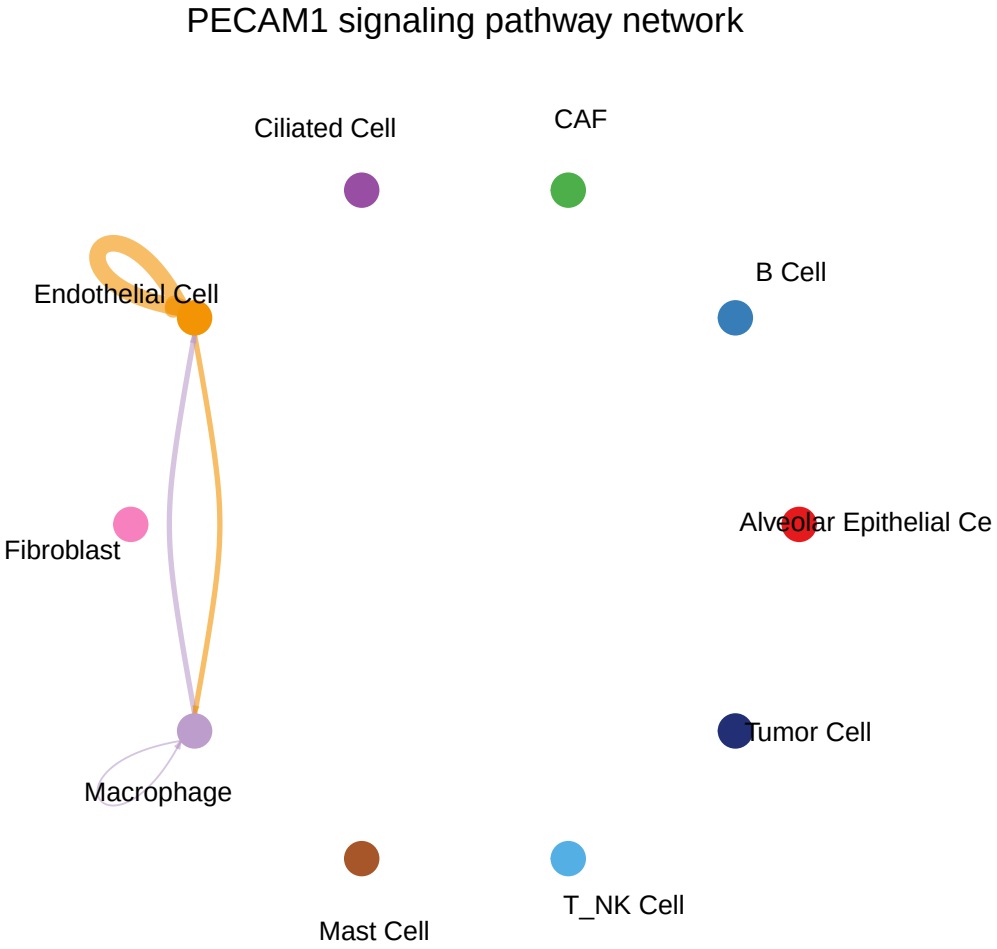
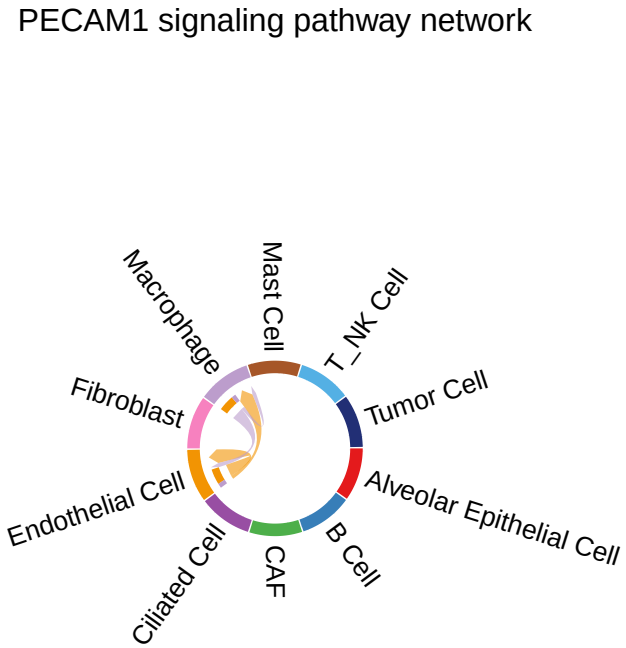
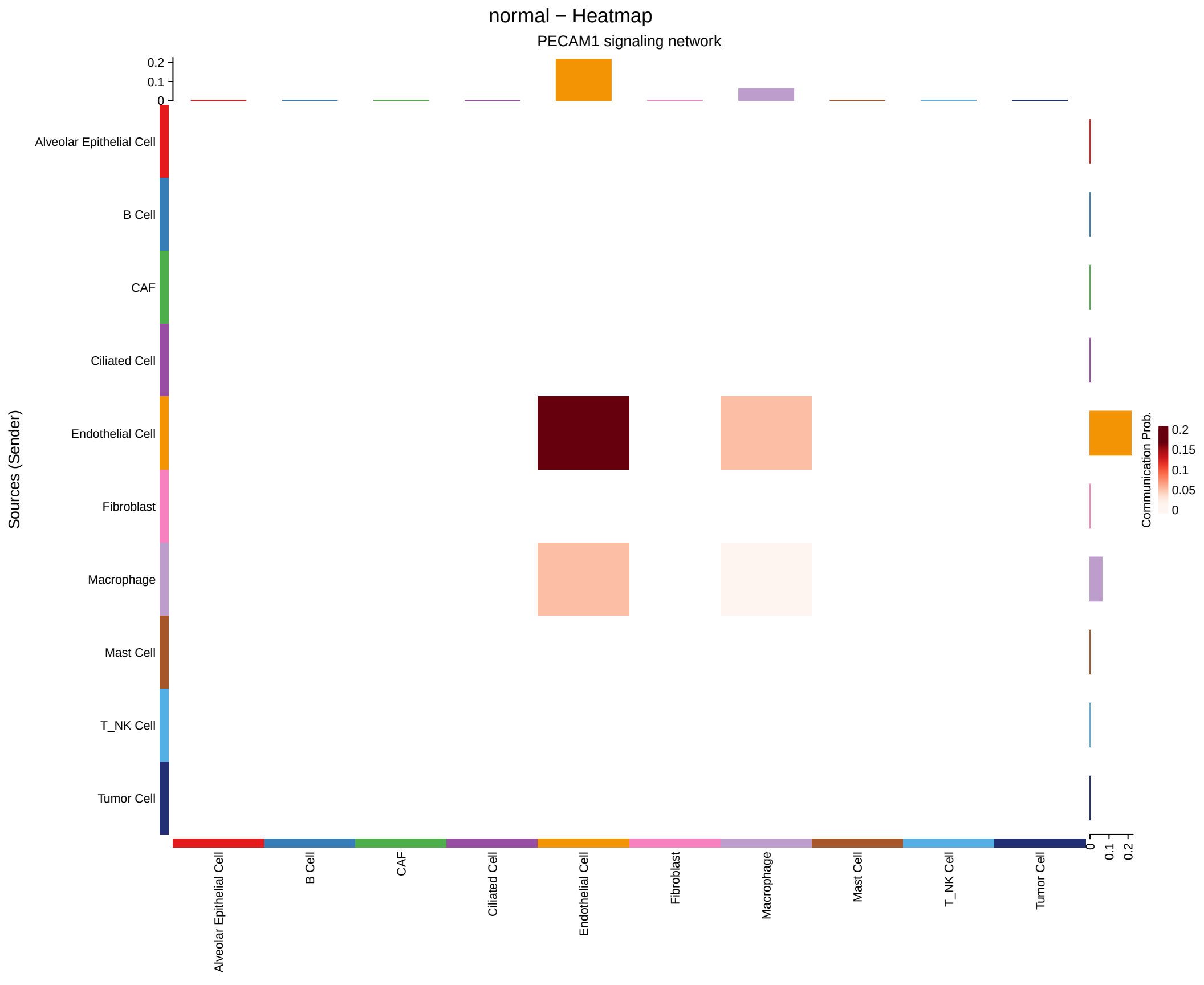
**normal − Circle**

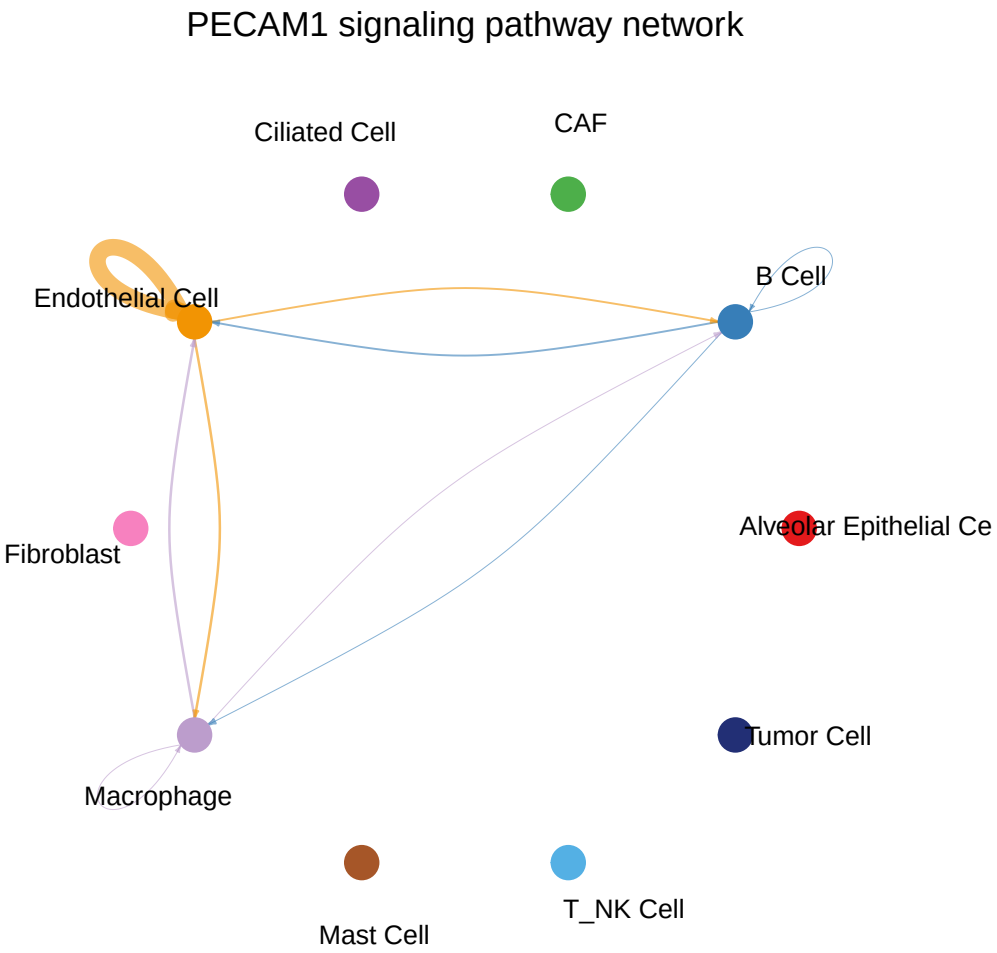



**normal − Chord**

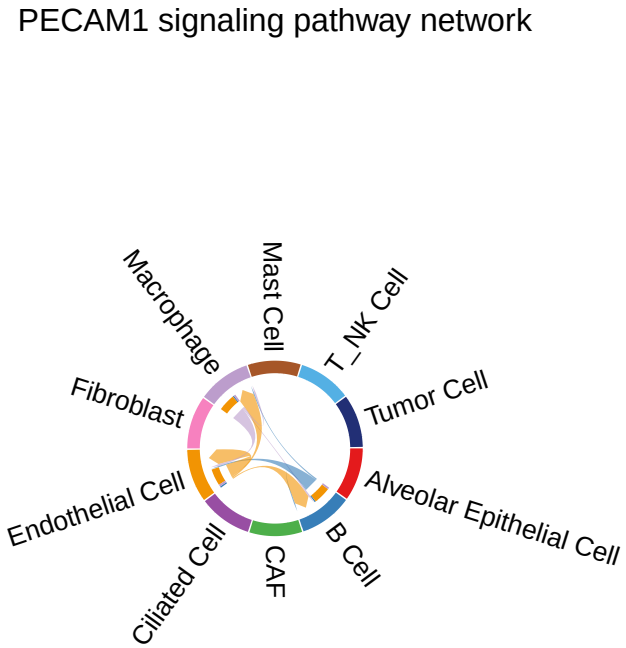


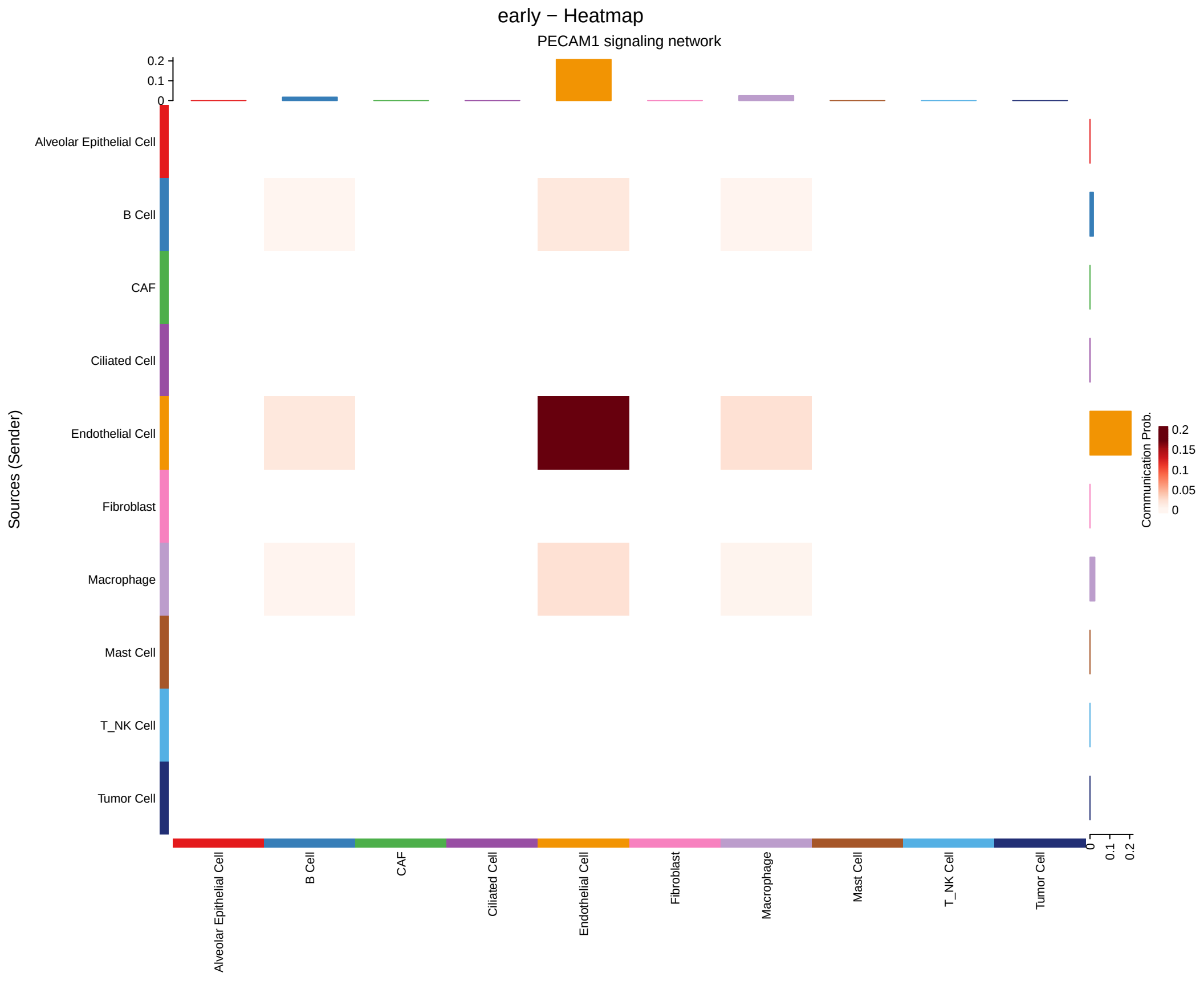

normal − Heatmap
PECAM1 signaling network
0.2
0.1
0
Alveolar Epithelial Cell
B Cell
CAF
Ciliated Cell
Endothelial Cell
Fibroblast
Macrophage
Mast Cell
T_NK Cell
Tumor Cell
Sources (Sender)
Communication Prob.
0.2
0.15
0.1
0.05
0
0
0.1
0.2

## early − Circle

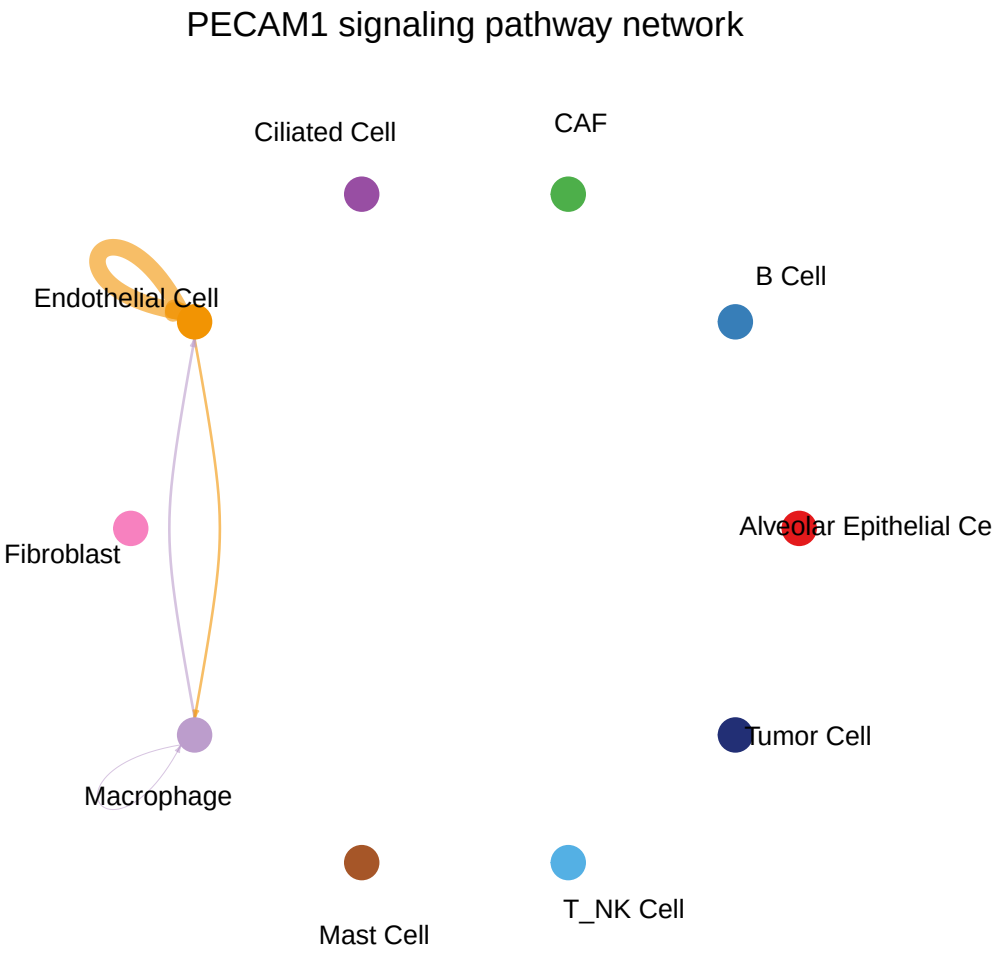



## early − Chord

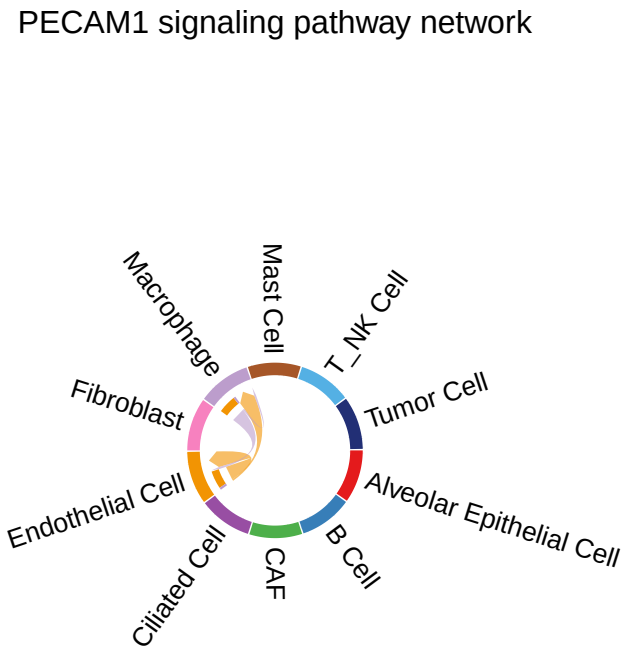


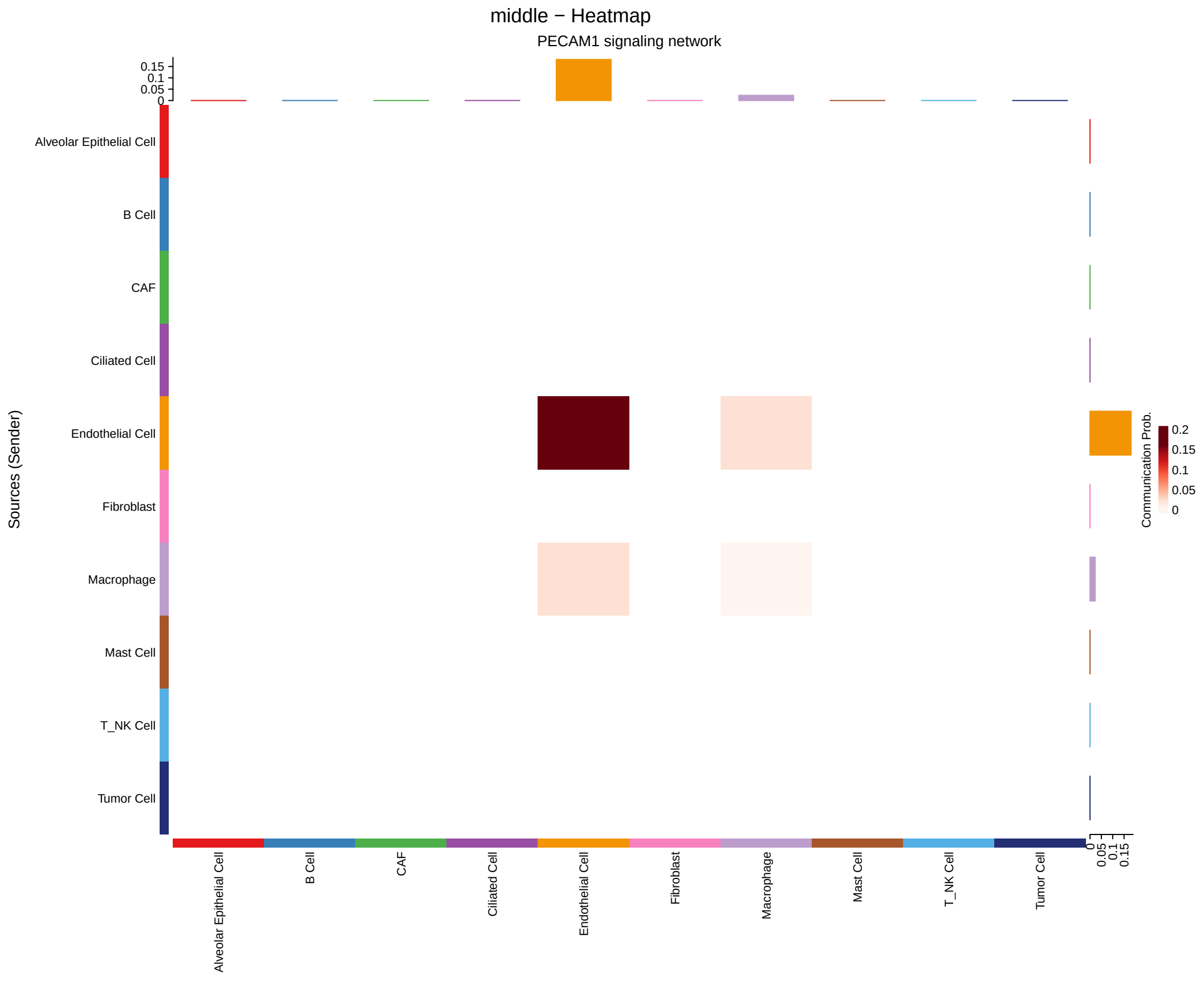

early − Heatmap
PECAM1 signaling network
0.2
0.1
0
Alveolar Epithelial Cell
B Cell
CAF
Ciliated Cell
Endothelial Cell
Fibroblast
Macrophage
Mast Cell
T_NK Cell
Tumor Cell
Sources (Sender)
Communication Prob.
0.2
0.15
0.1
0.05
0
0
0.1
0.2

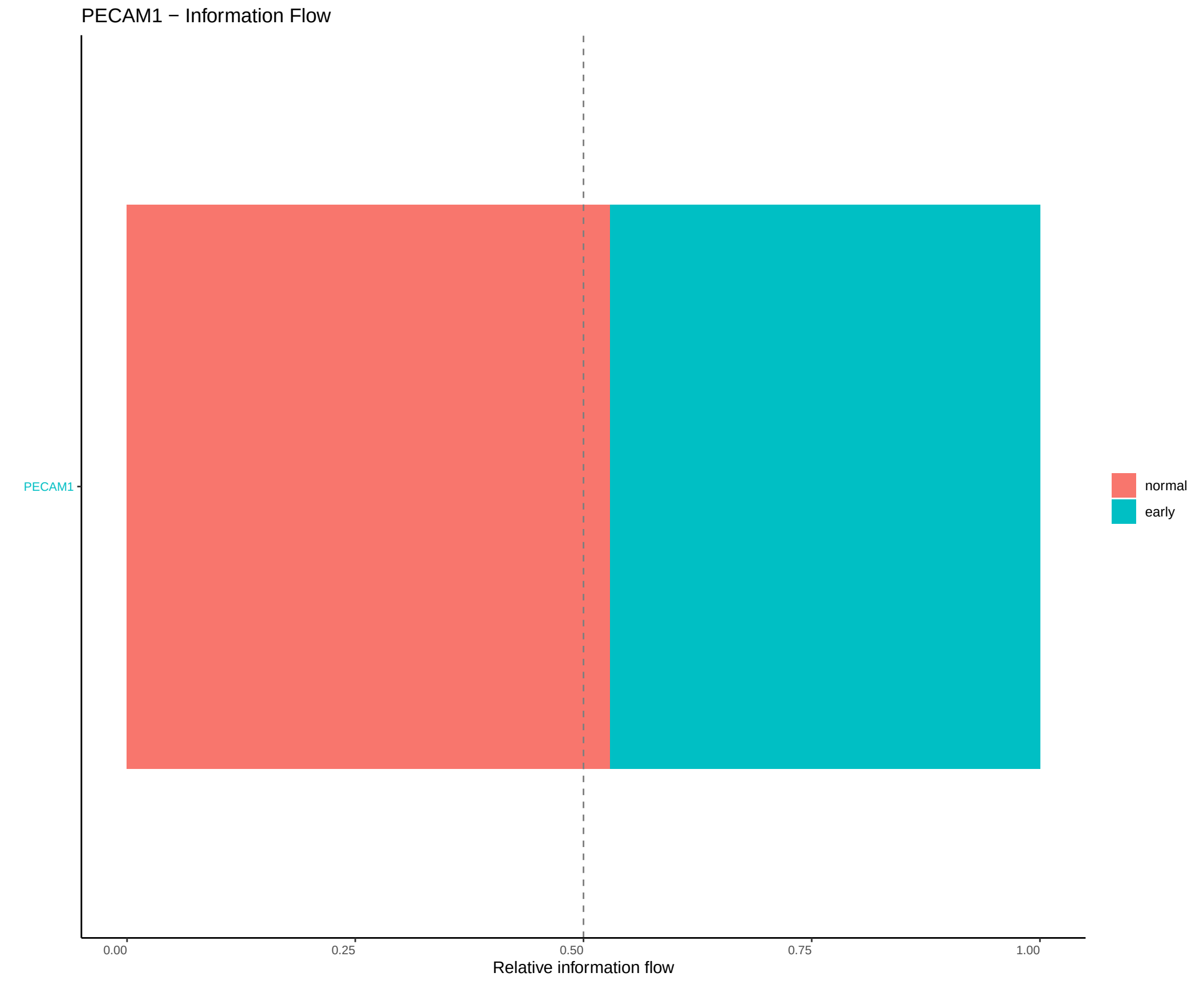
**middle − Circle**




**middle − Chord**




middle − Heatmap
PECAM1 signaling network
0.15
0.1
0.05
0
Alveolar Epithelial Cell
B Cell
CAF
Ciliated Cell
Endothelial Cell
Fibroblast
Macrophage
Mast Cell
T_NK Cell
Tumor Cell
Sources (Sender)
Communication Prob.
0.2
0.15
0.1
0.05
0


PECAM1 − Information Flow
PECAM1
normal
early
0.00
0.25
0.50
0.75
1.00
Relative information flow