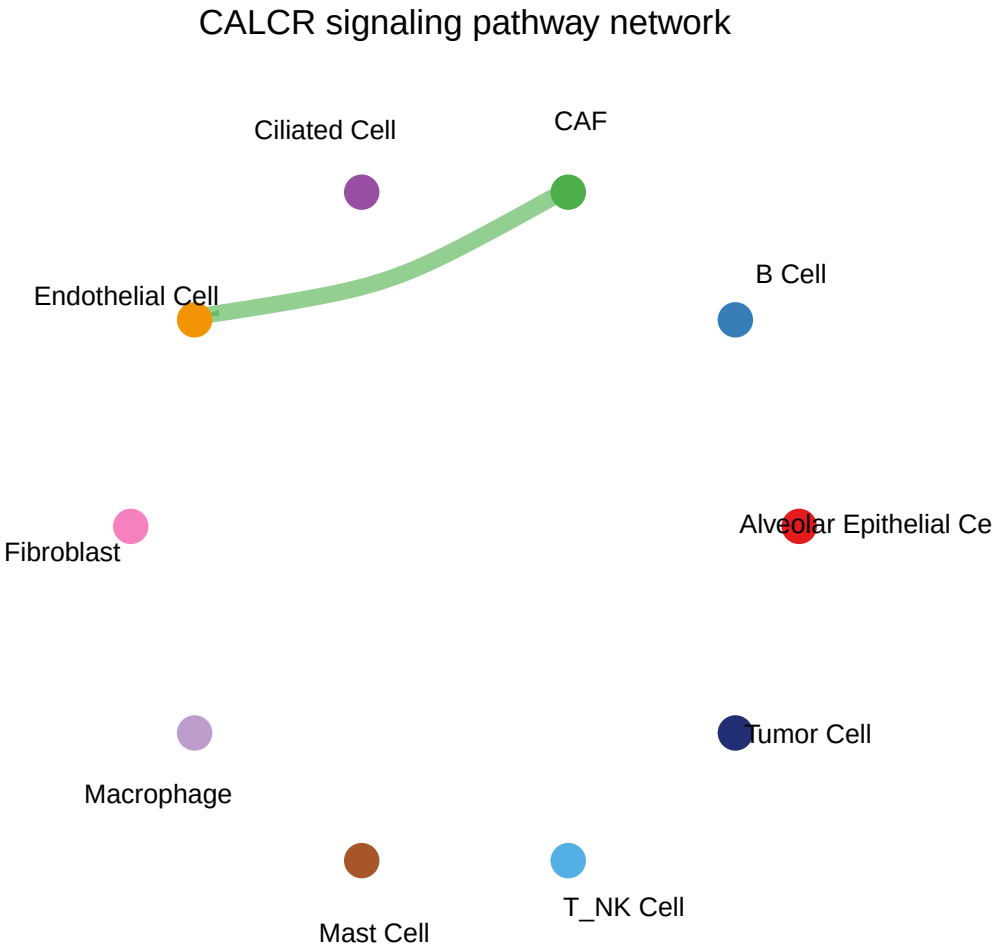
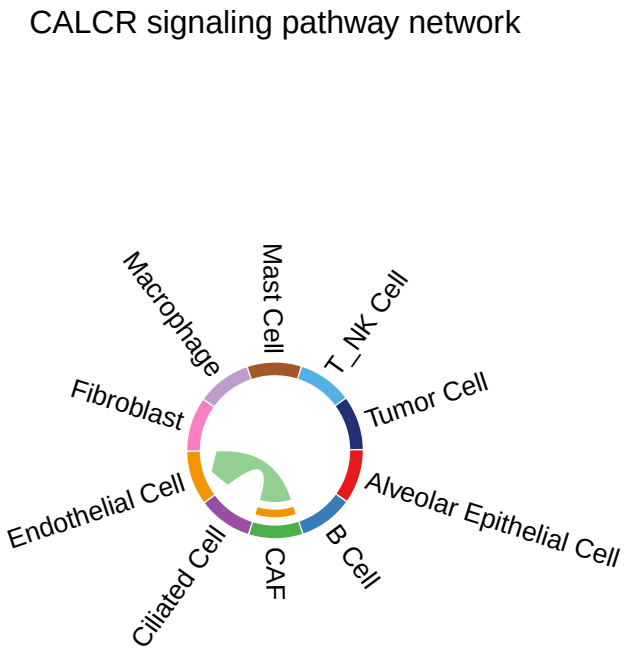
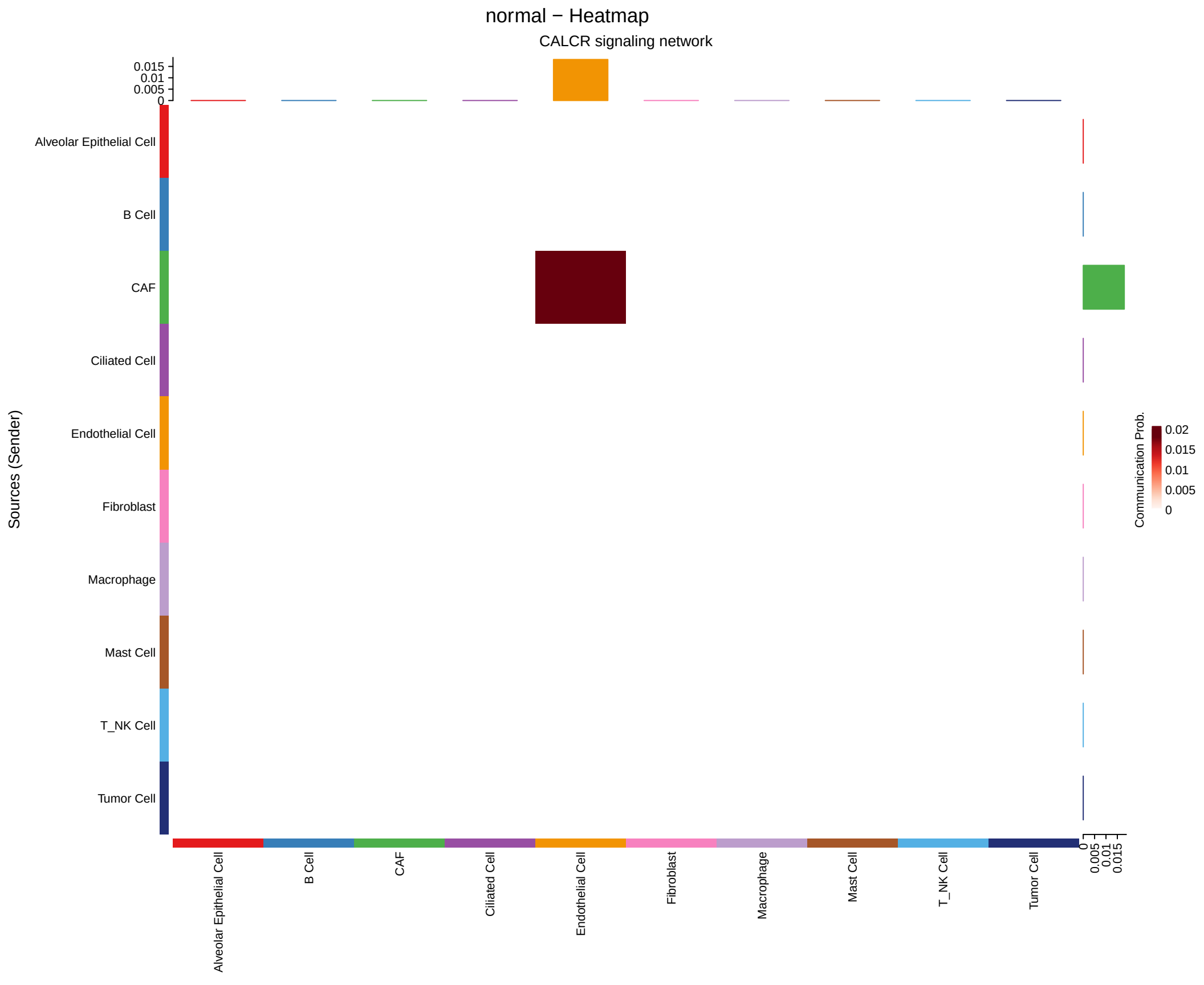
normal − Circle



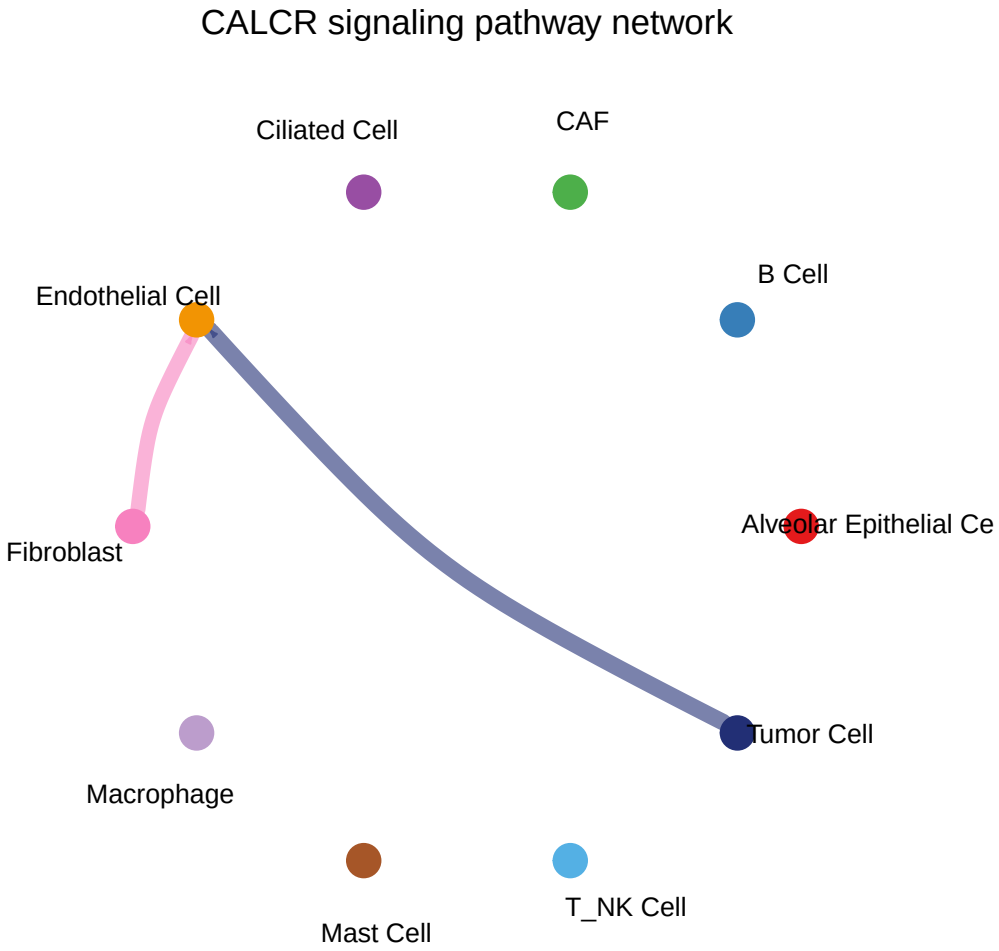
normal − Chord

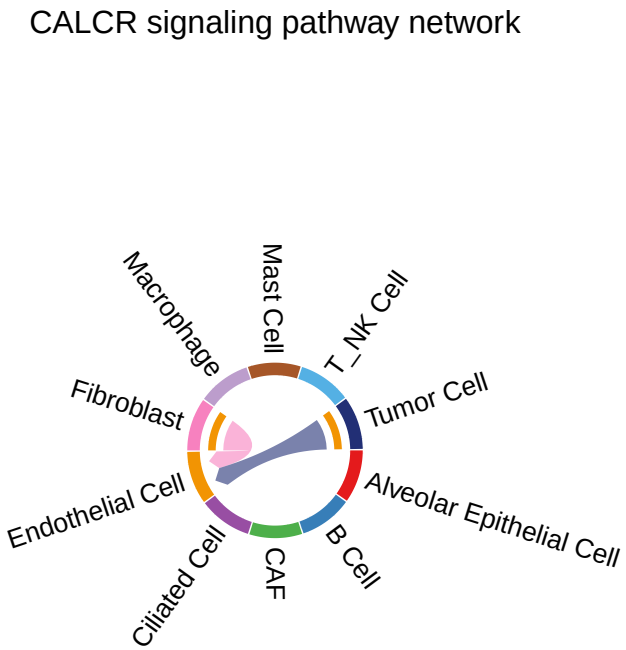


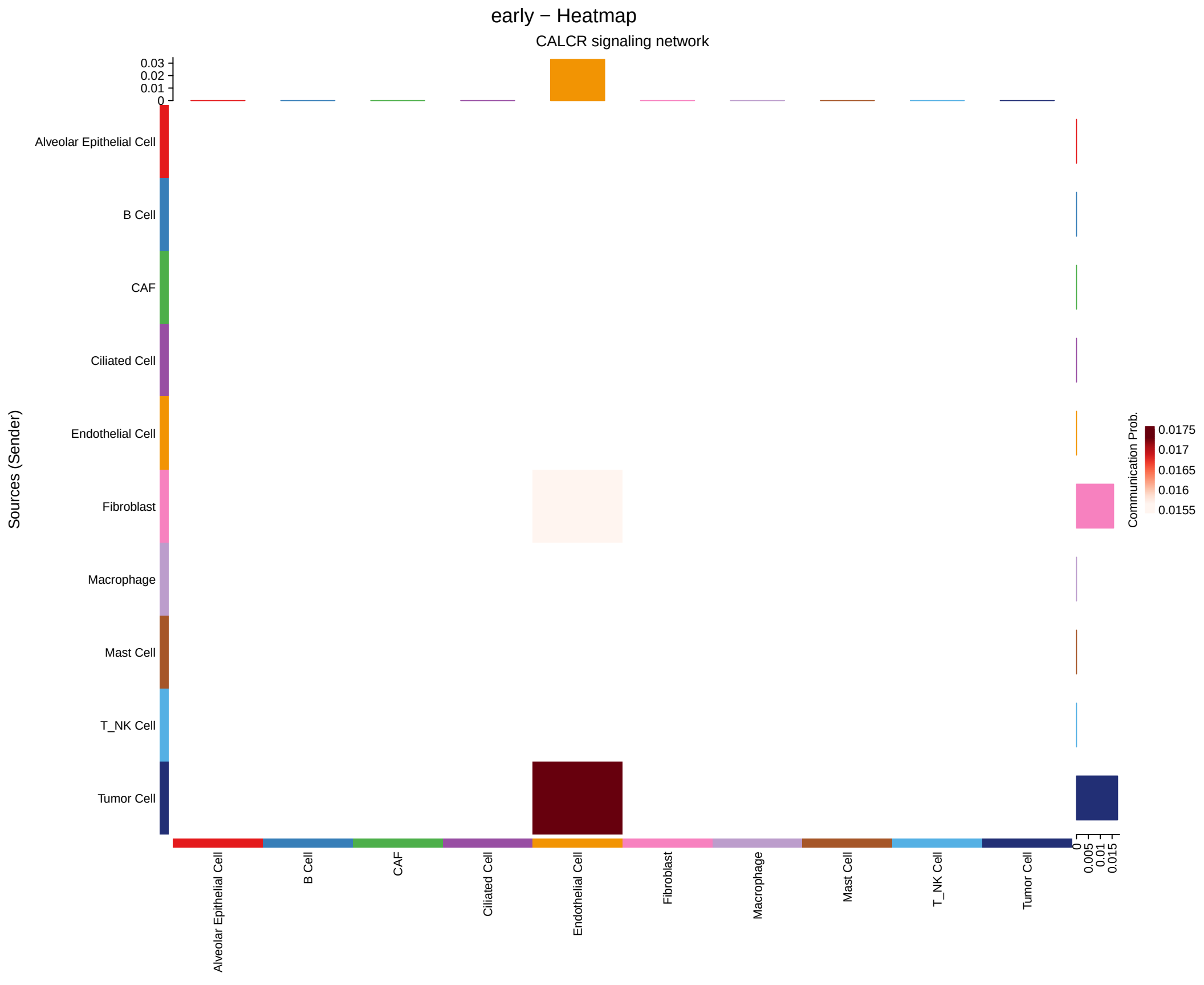

normal − Heatmap
CALCR signaling network
0.015
0.01
0.005
0
Alveolar Epithelial Cell
B Cell
CAF
Ciliated Cell
Endothelial Cell
Fibroblast
Macrophage
Mast Cell
T_NK Cell
Tumor Cell
Sources (Sender)
Communication Prob.
0.02
0.015
0.01
0.005
0
Alveolar Epithelial Cell
B Cell
CAF
Ciliated Cell
Endothelial Cell
Fibroblast
Macrophage
Mast Cell
T_NK Cell
Tumor Cell
0
0.005
0.01
0.015

early − Circle

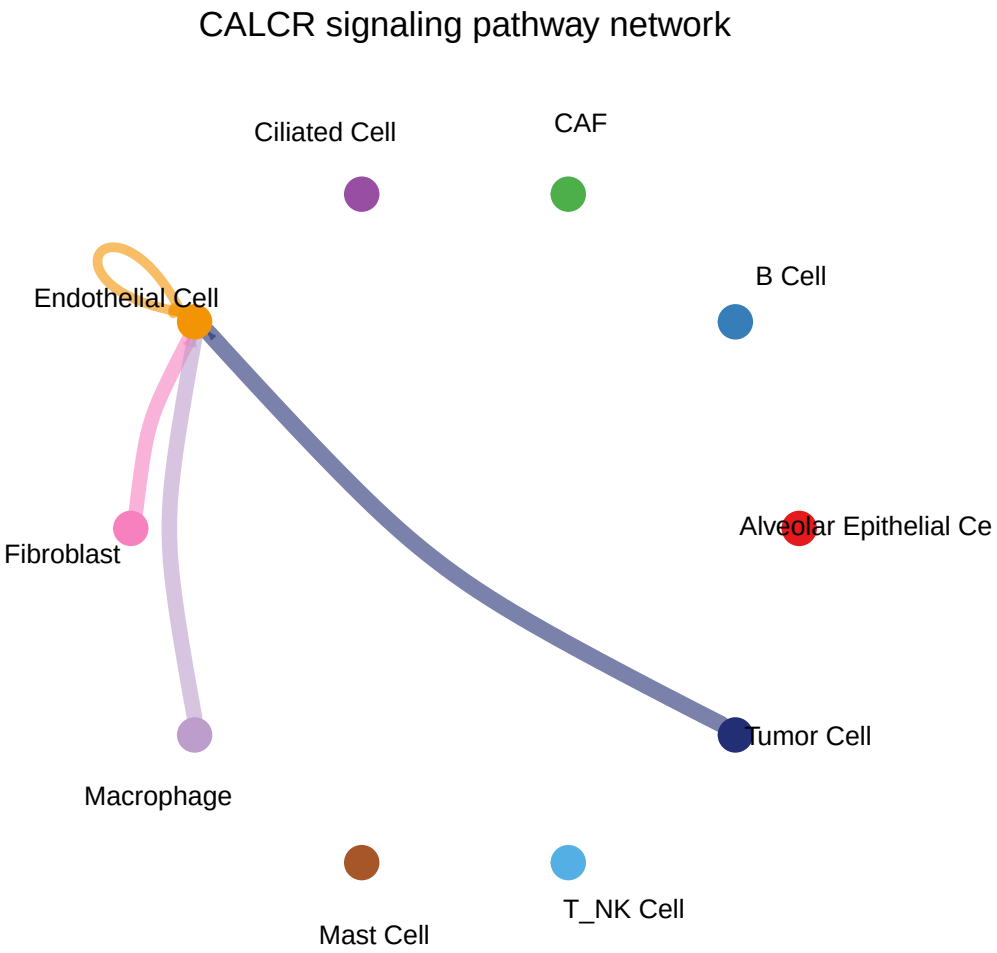
early − Chord



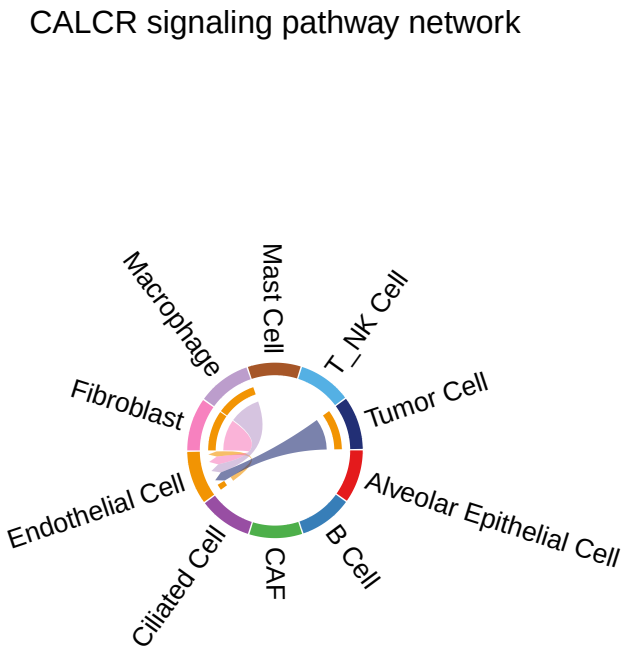


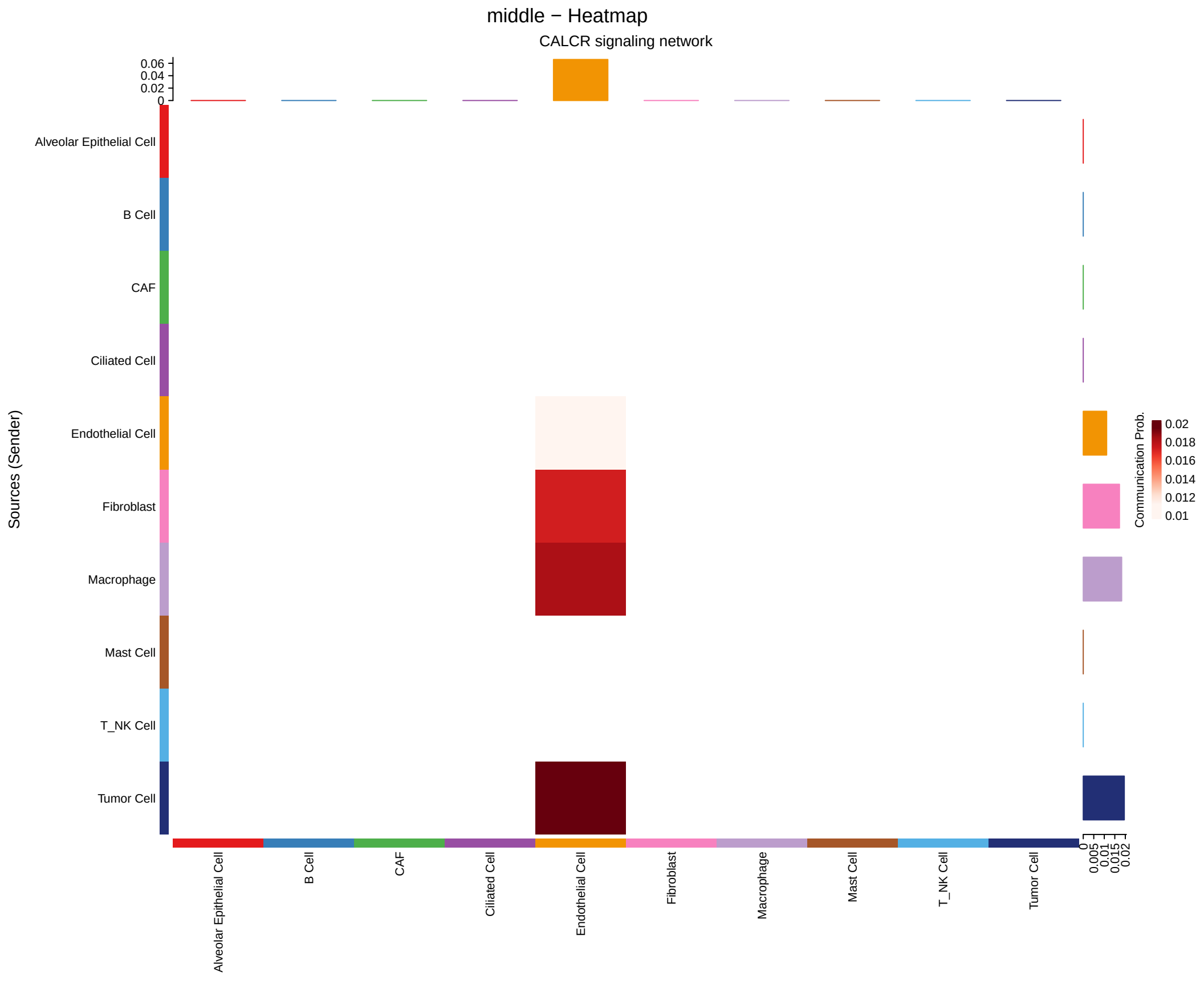

early − Heatmap
CALCR signaling network
0.03
0.02
0.01
0
Alveolar Epithelial Cell
B Cell
CAF
Ciliated Cell
Endothelial Cell
Fibroblast
Macrophage
Mast Cell
T_NK Cell
Tumor Cell
Sources (Sender)
Communication Prob.
0.0175
0.017
0.0165
0.016
0.0155
0
0.005
0.01
0.015

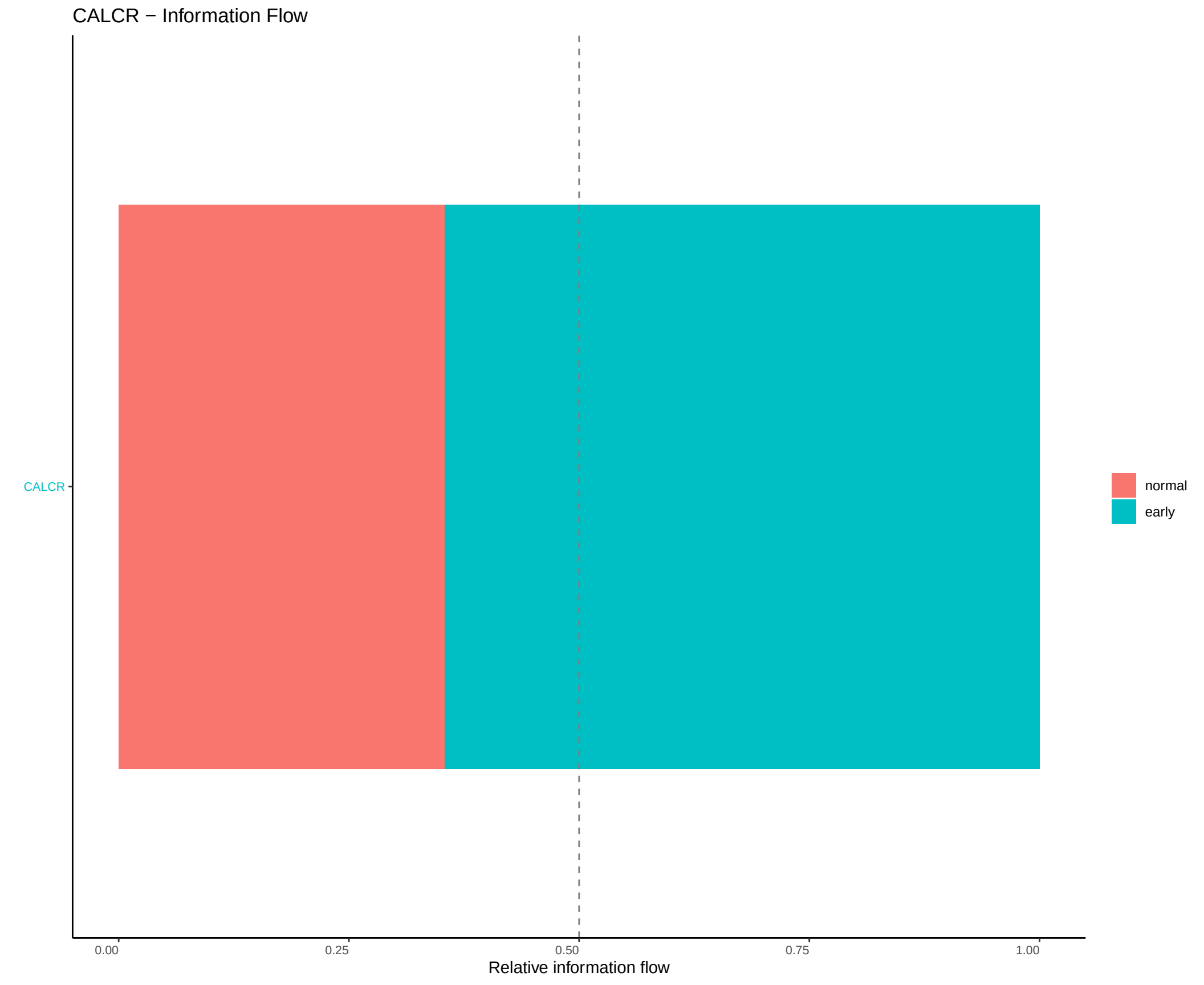
middle − Circle



middle − Chord




middle − Heatmap
CALCR signaling network
0.06
0.04
0.02
0
Alveolar Epithelial Cell
B Cell
CAF
Ciliated Cell
Endothelial Cell
Fibroblast
Macrophage
Mast Cell
T_NK Cell
Tumor Cell
Sources (Sender)
Communication Prob.
0.02
0.018
0.016
0.014
0.012
0.01
0
0.005
0.01
0.015
0.02


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