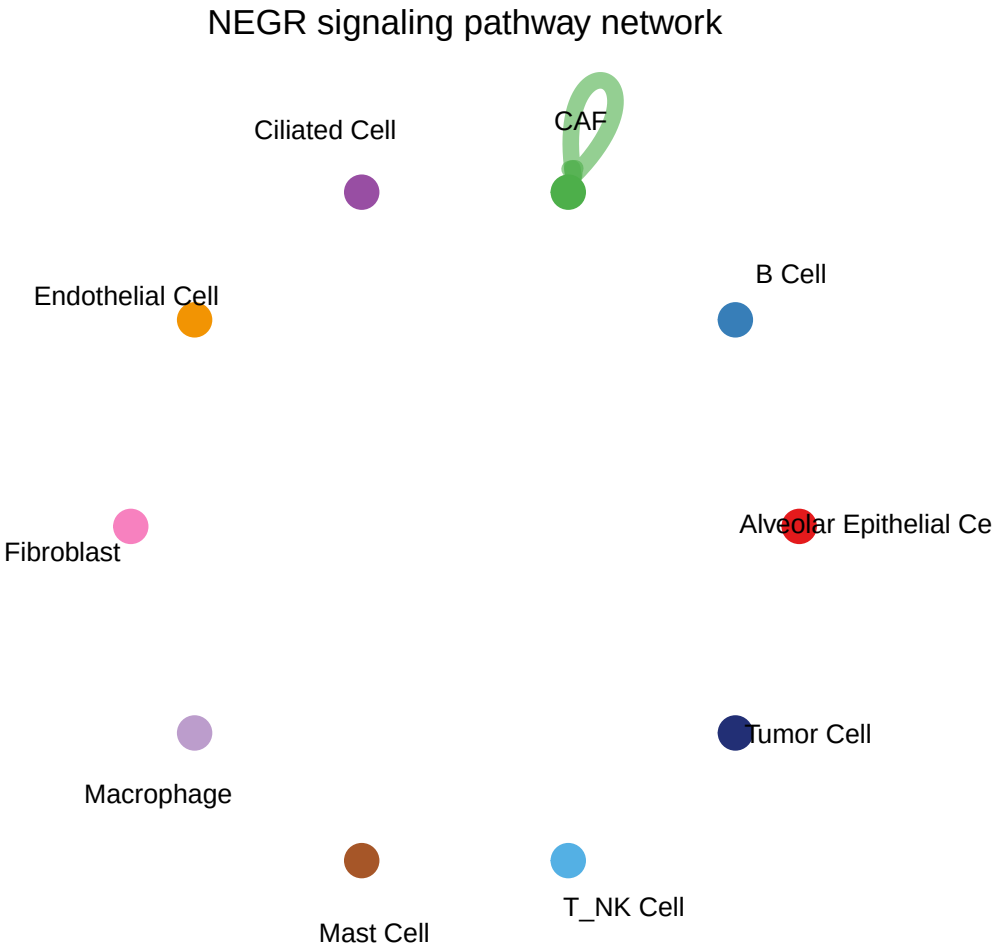
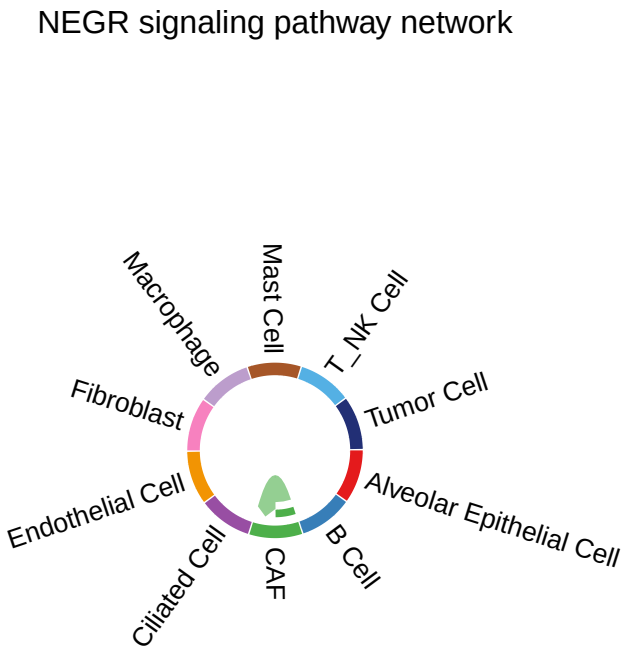
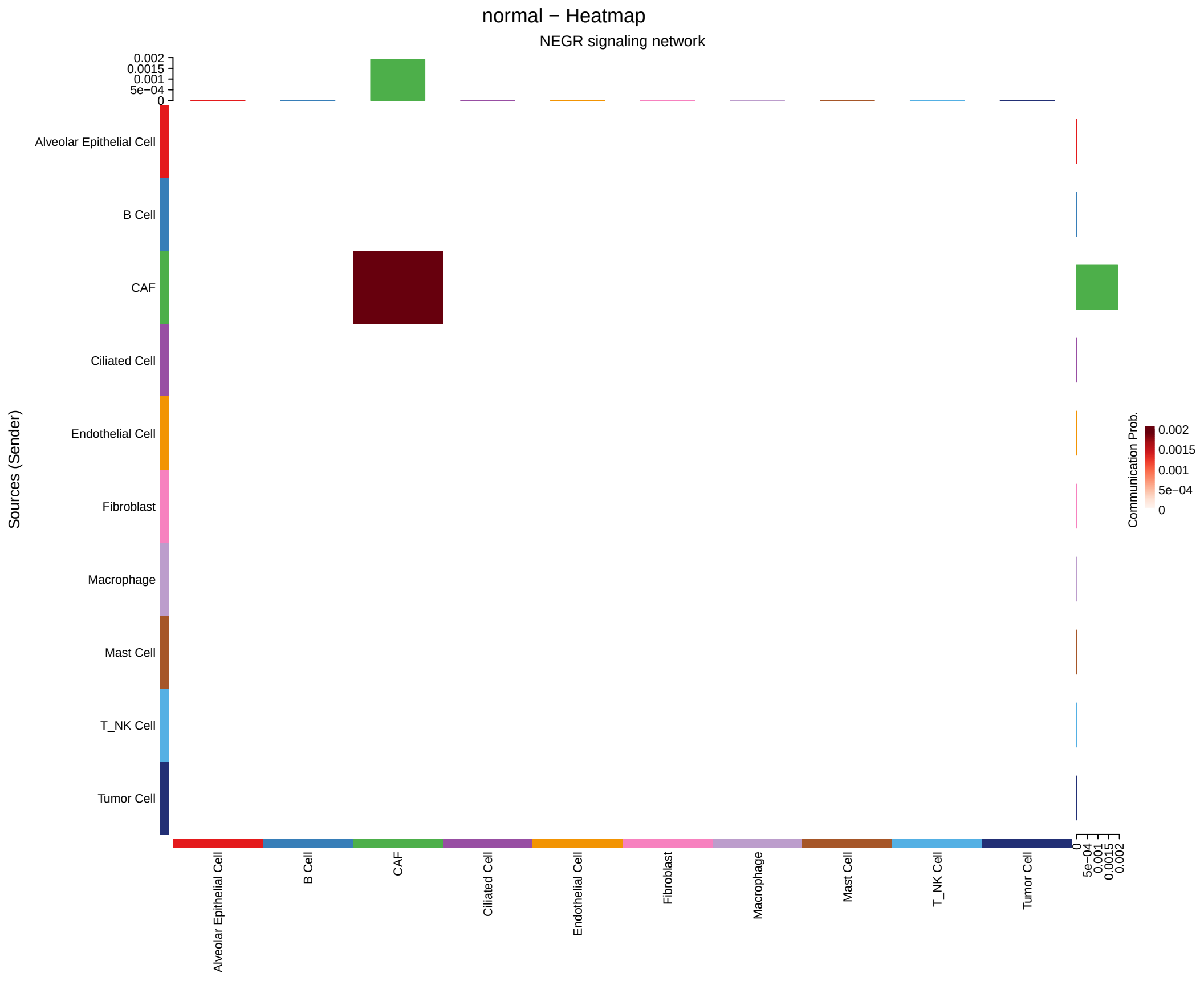
normal − Circle

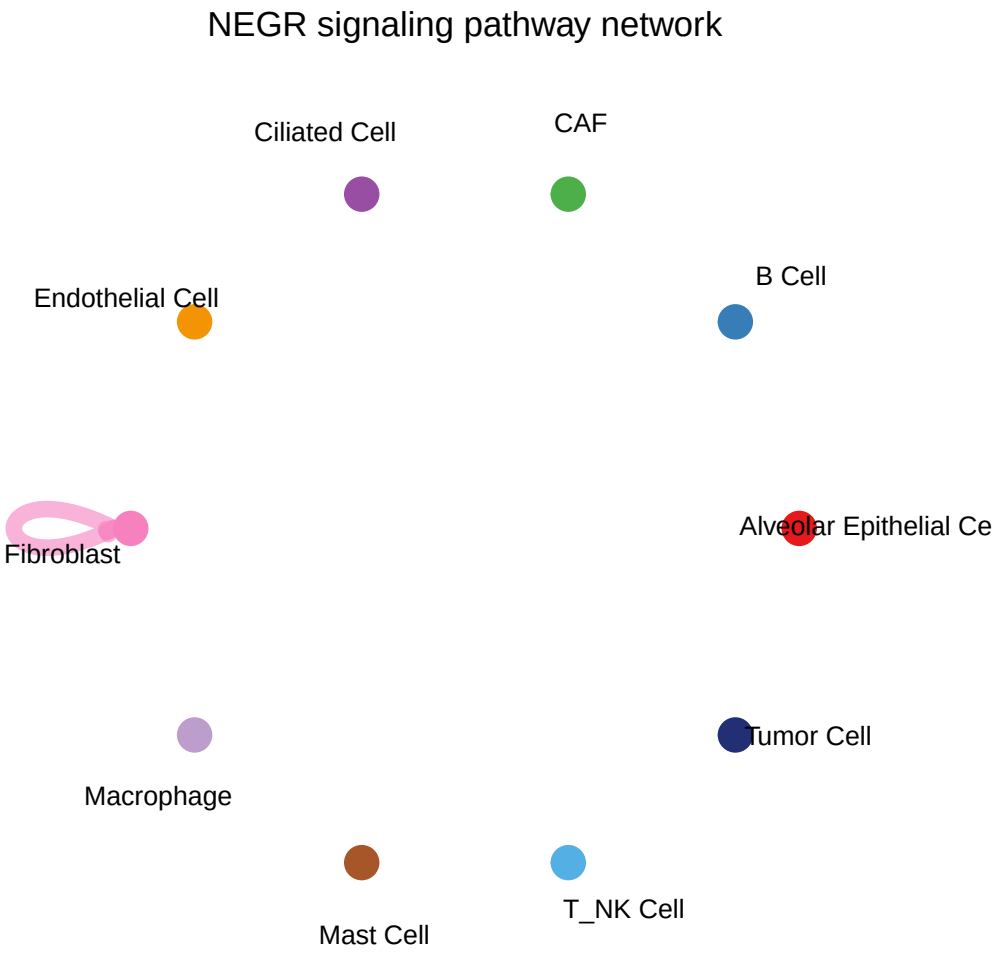


normal − Chord

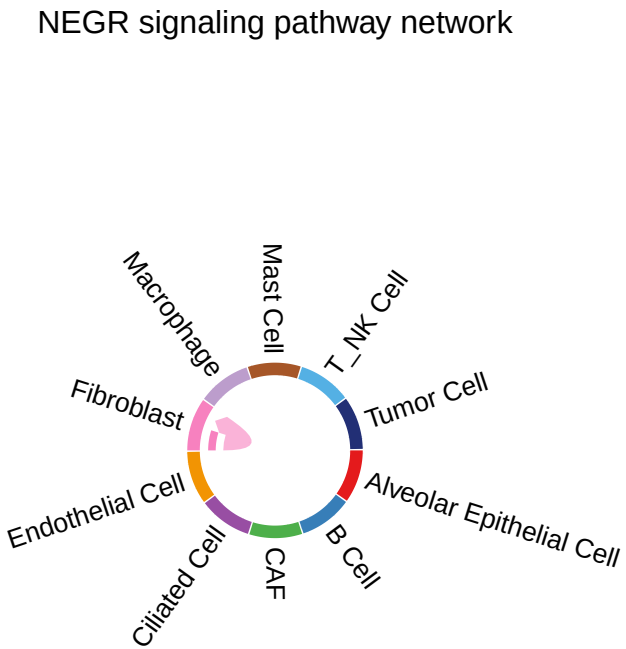


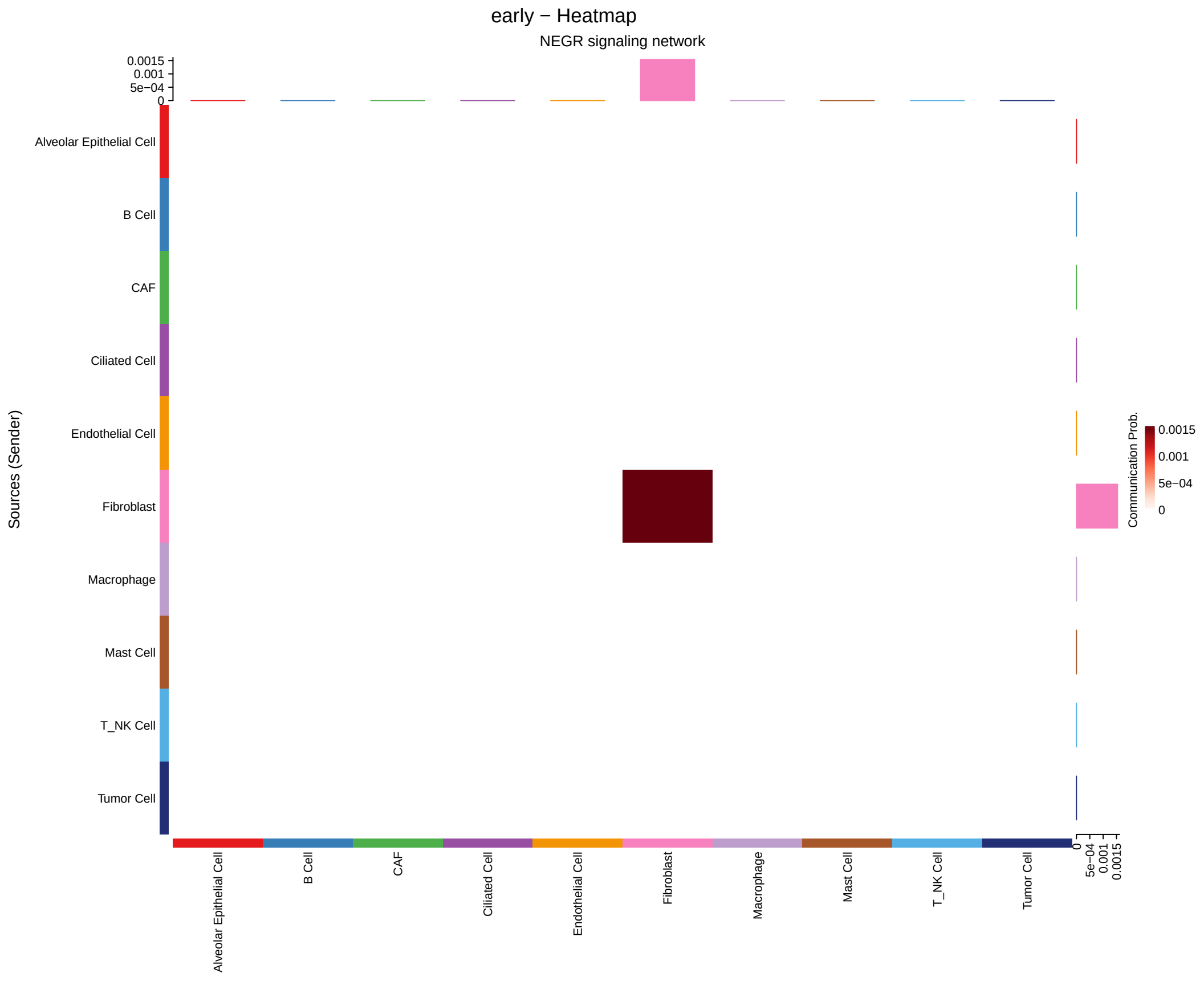

normal − Heatmap
NEGR signaling network
0.002
0.0015
0.001
5e−04
0
Alveolar Epithelial Cell
B Cell
CAF
Ciliated Cell
Endothelial Cell
Fibroblast
Macrophage
Mast Cell
T_NK Cell
Tumor Cell
Sources (Sender)
Communication Prob.
0.002
0.0015
0.001
5e−04
0

early − Circle

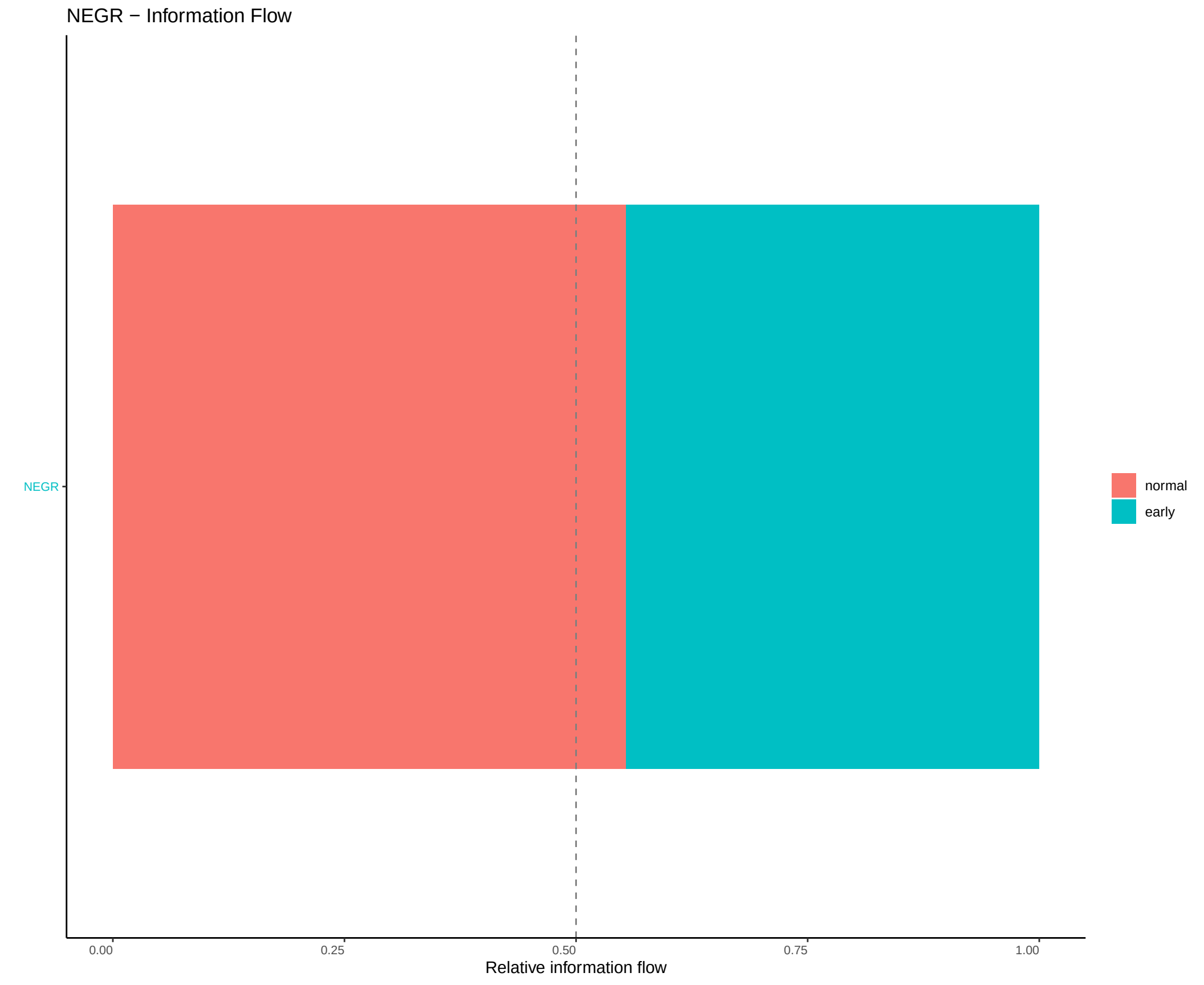


early − Chord




early − Heatmap
NEGR signaling network
0.0015
0.001
5e−04
0
Sources (Sender)
Alveolar Epithelial Cell
B Cell
CAF
Ciliated Cell
Endothelial Cell
Fibroblast
Macrophage
Mast Cell
T_NK Cell
Tumor Cell
Communication Prob.
0.0015
0.001
5e−04
0

middle: No signaling


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