

Reporte: Carcinoma FA vs Carcinoma no-FA

Total PIDs usados: 84

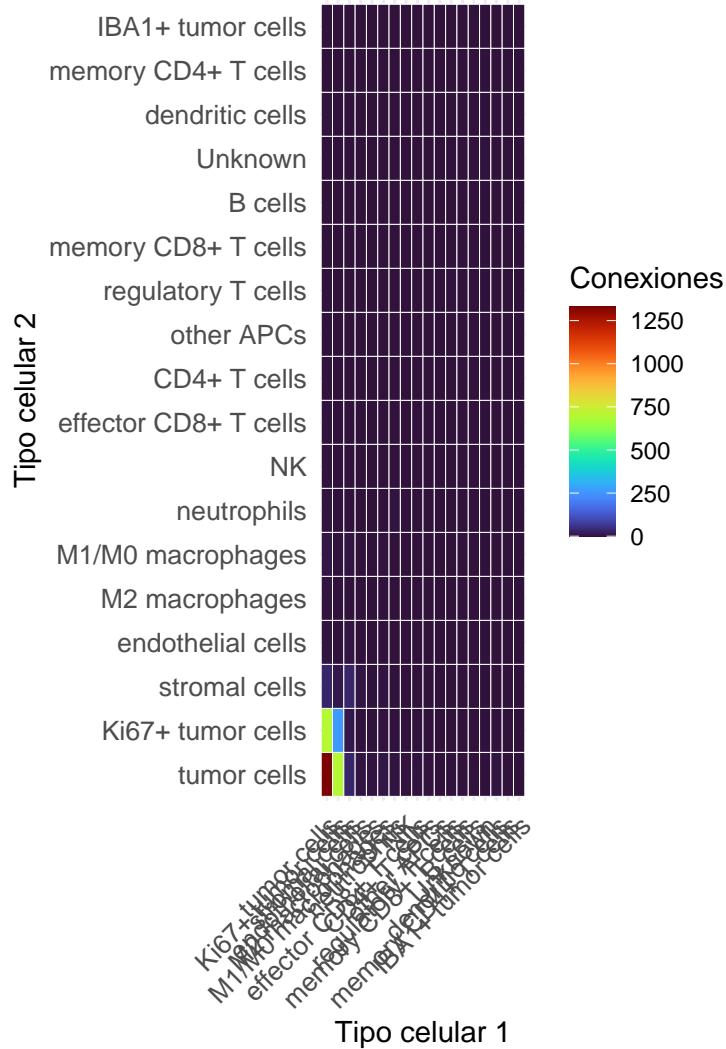
Carcinoma FA: 40

Stroma-ad FA: 44

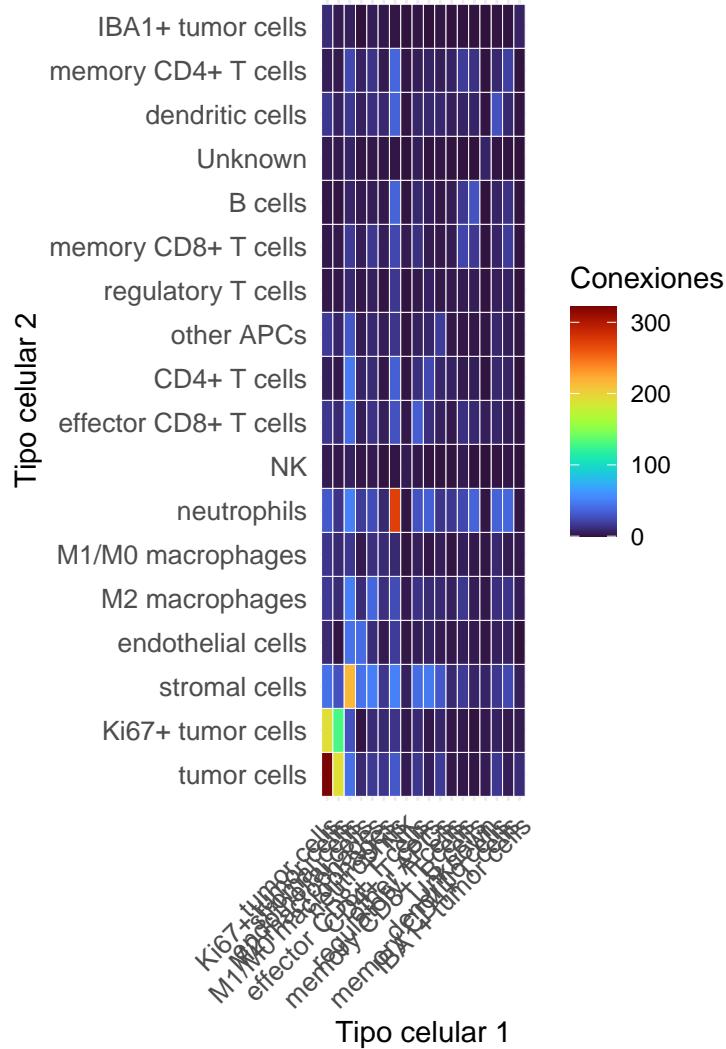
TopKAT p-valor global: 0

Threshold óptimo: 30.6122448979592

Average Connectivity (Carcinoma FA) – n=40



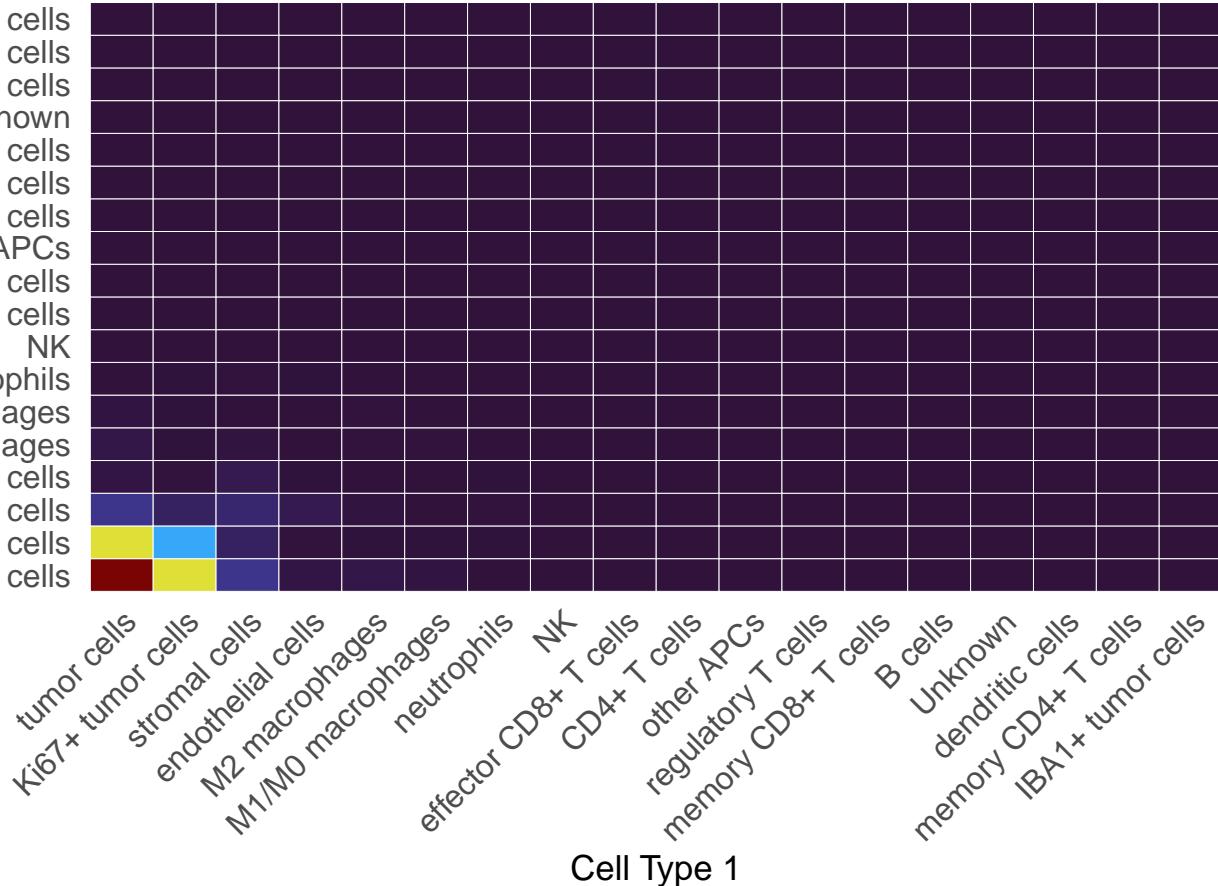
Average Connectivity (Stroma–a)



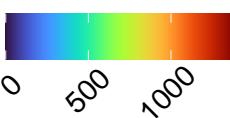
PID 1 – Carcinoma_AGSCC_2_8.csv

Cell Type 2

IBA1+ tumor cells
memory CD4+ T cells
dendritic cells
Unknown
B cells
memory CD8+ T cells
regulatory T cells
other APCs
CD4+ T cells
effector CD8+ T cells
NK
neutrophils
M1/M0 macrophages
M2 macrophages
endothelial cells
stromal cells
Ki67+ tumor cells
tumor cells



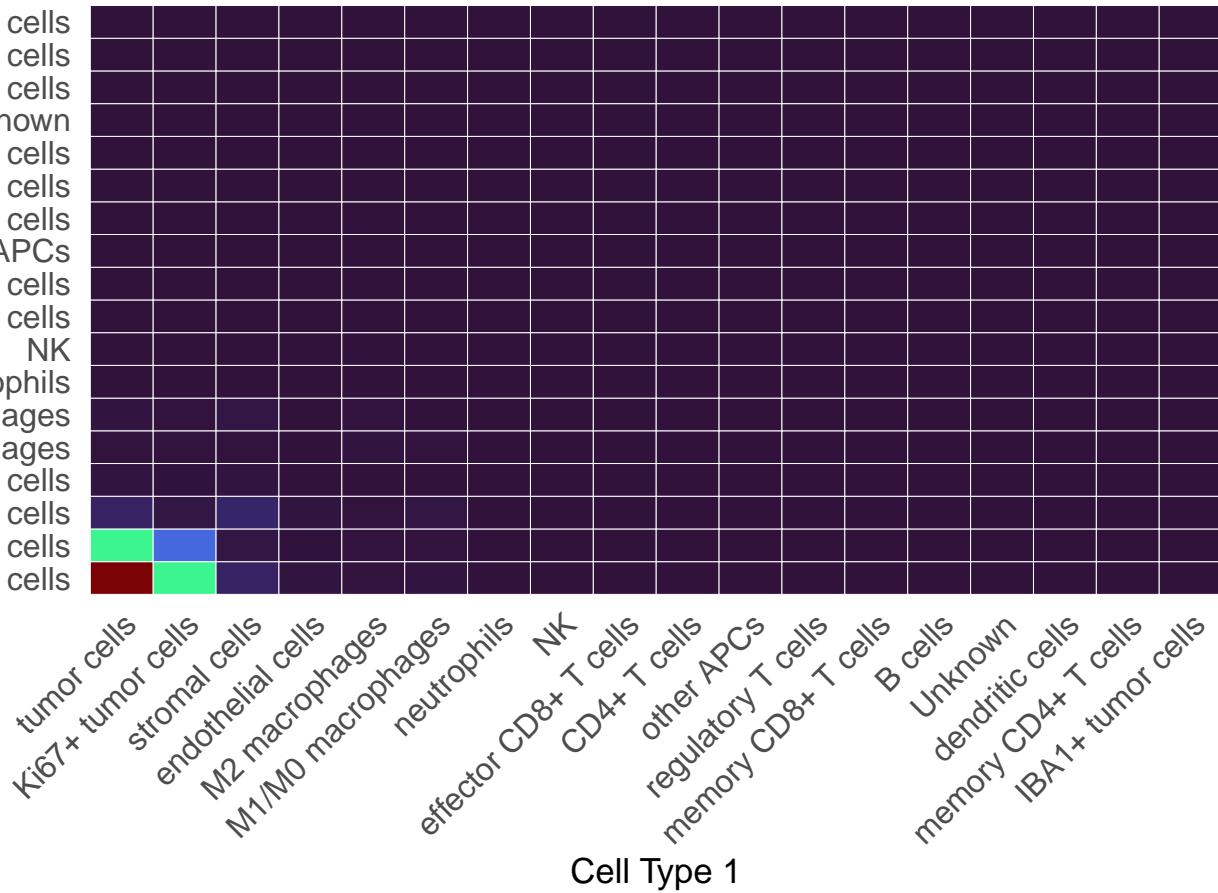
Number of Connections



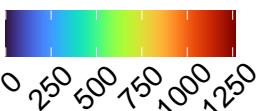
PID 2 – Carcinoma_AGSCC_2_21.csv

Cell Type 2

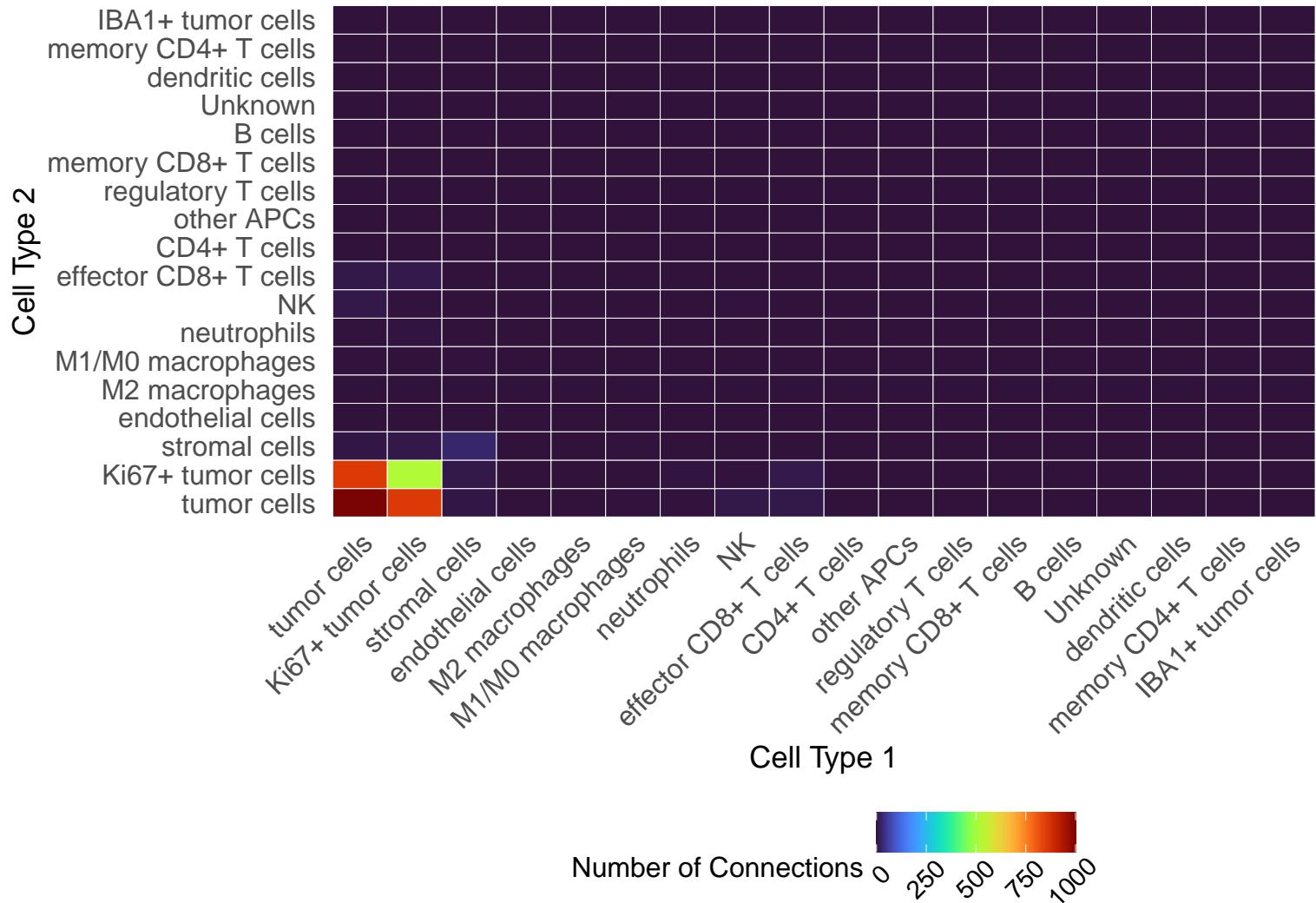
IBA1+ tumor cells
 memory CD4+ T cells
 dendritic cells
 Unknown
 B cells
 memory CD8+ T cells
 regulatory T cells
 other APCs
 CD4+ T cells
 effector CD8+ T cells
 NK
 neutrophils
 M1/M0 macrophages
 M2 macrophages
 endothelial cells
 stromal cells
 Ki67+ tumor cells
 tumor cells



Number of Connections



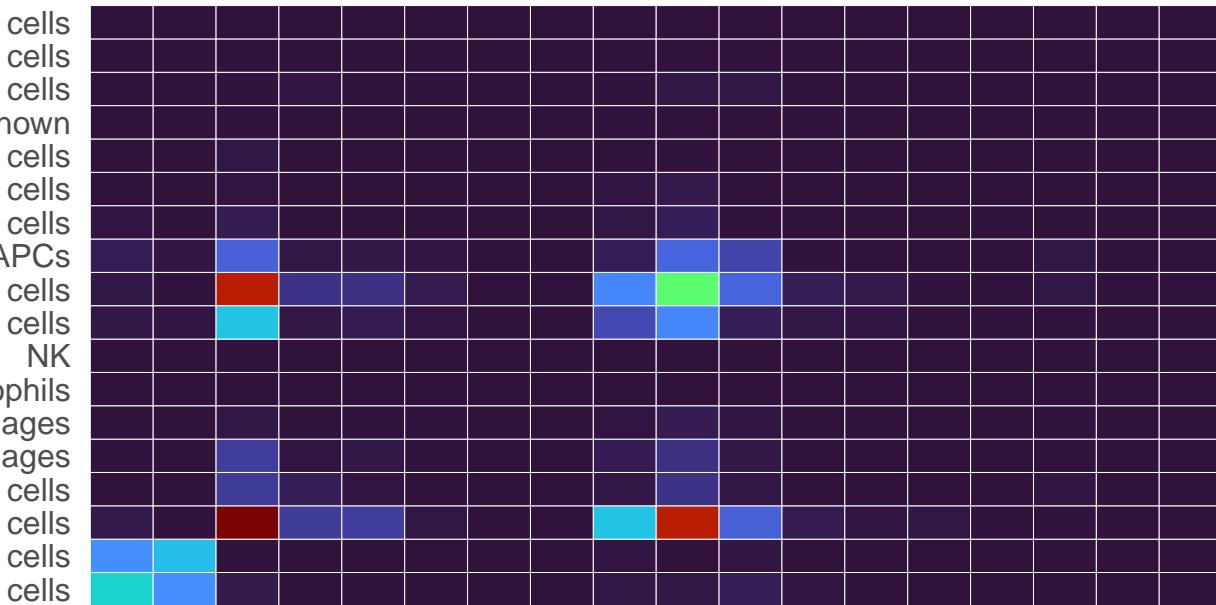
PID 3 – Carcinoma_AGSCC_2_30.csv



PID 4 – carcinoma_invasive_and_stroma_FAHNSCC_11B_1.csv

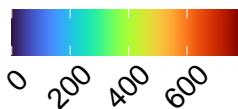
Cell Type 2

IBA1+ tumor cells
 memory CD4+ T cells
 dendritic cells
 Unknown
 B cells
 memory CD8+ T cells
 regulatory T cells
 other APCs
 CD4+ T cells
 effector CD8+ T cells
 NK
 neutrophils
 M1/M0 macrophages
 M2 macrophages
 endothelial cells
 stromal cells
 Ki67+ tumor cells
 tumor cells



Cell Type 1

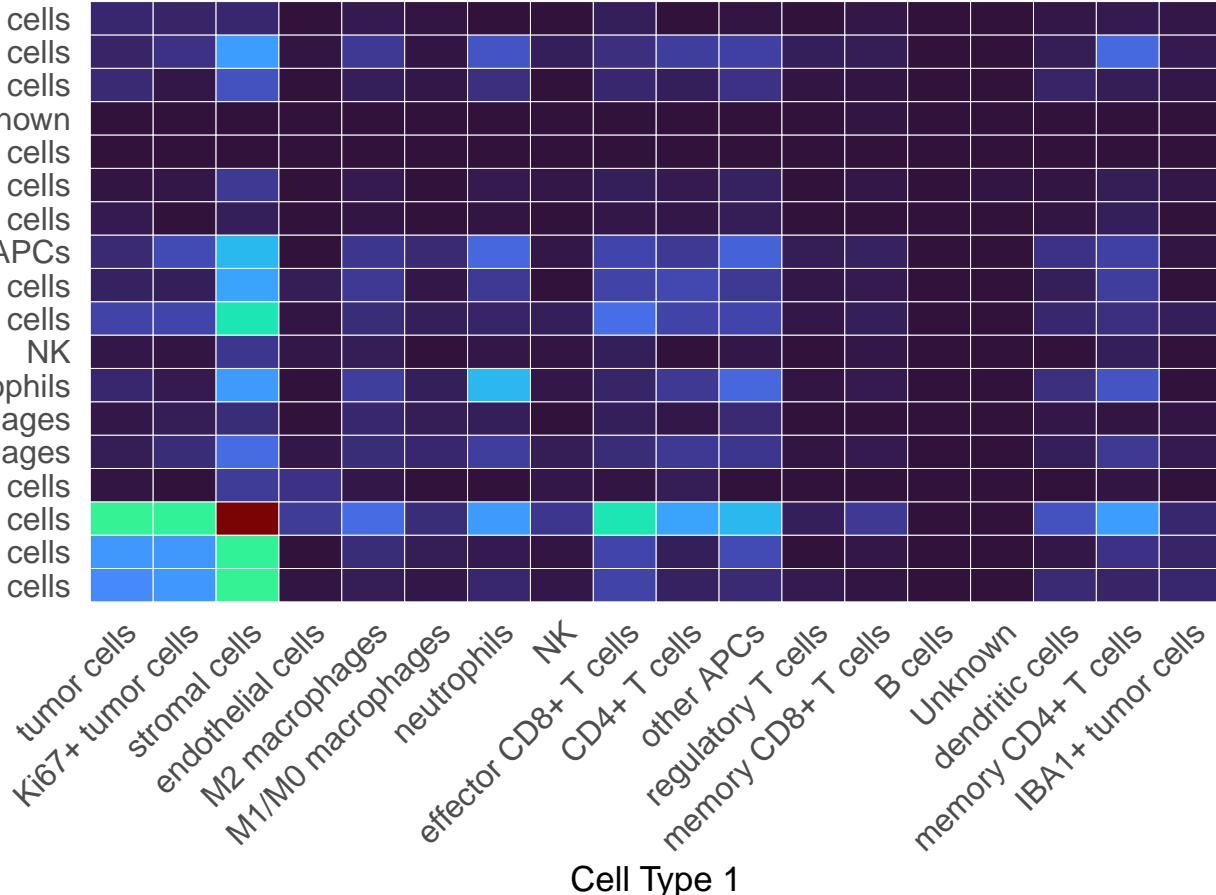
Number of Connections



PID 5 – carcinoma_invasive_F29P1_15.csv

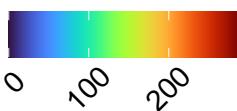
Cell Type 2

- IBA1+ tumor cells
- memory CD4+ T cells
- dendritic cells
- Unknown
- B cells
- memory CD8+ T cells
- regulatory T cells
- other APCs
- CD4+ T cells
- effector CD8+ T cells
- NK
- neutrophils
- M1/M0 macrophages
- M2 macrophages
- endothelial cells
- stromal cells
- Ki67+ tumor cells
- tumor cells



Cell Type 1

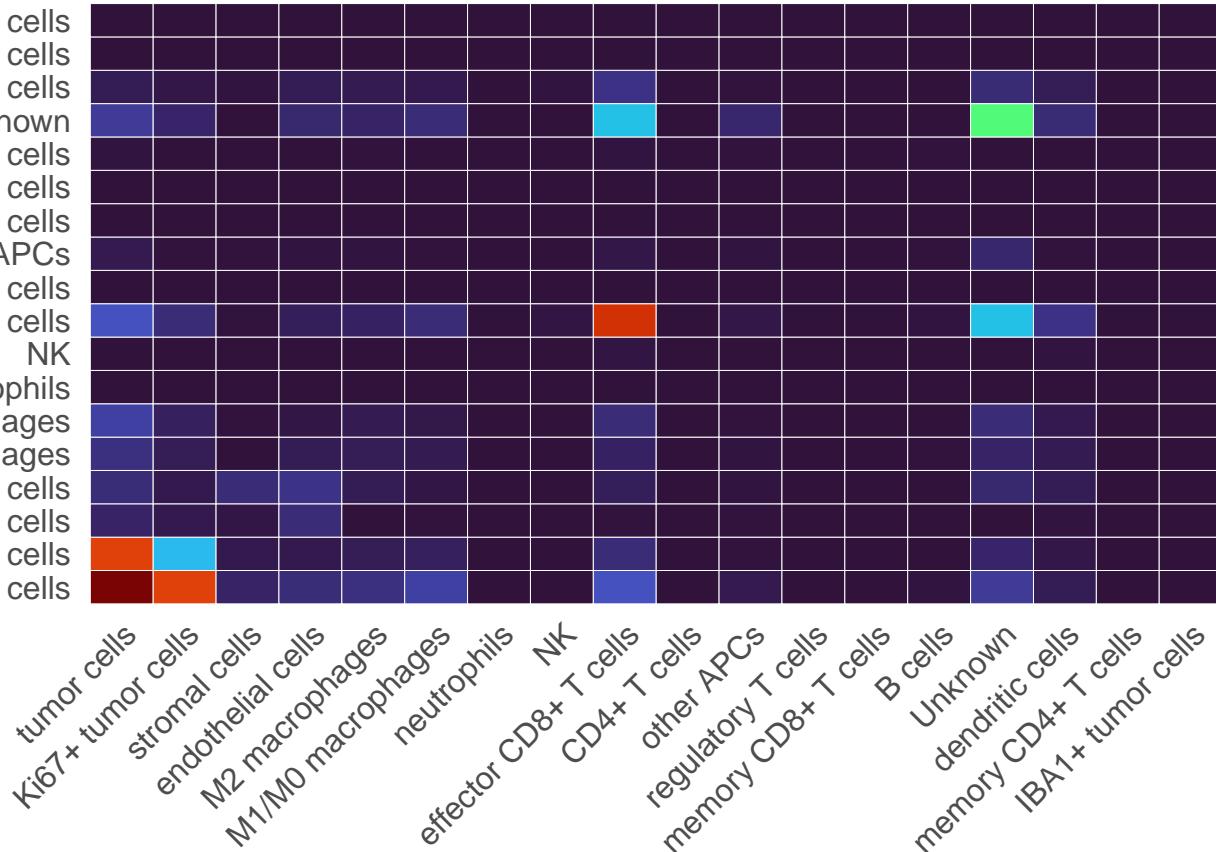
Number of Connections



PID 6 – Carcinoma_FAHNSCC_14_3.csv

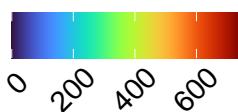
Cell Type 2

- IBA1+ tumor cells
- memory CD4+ T cells
- dendritic cells
- Unknown
- B cells
- memory CD8+ T cells
- regulatory T cells
- other APCs
- CD4+ T cells
- effector CD8+ T cells
- NK
- neutrophils
- M1/M0 macrophages
- M2 macrophages
- endothelial cells
- stromal cells
- Ki67+ tumor cells
- tumor cells



Cell Type 1

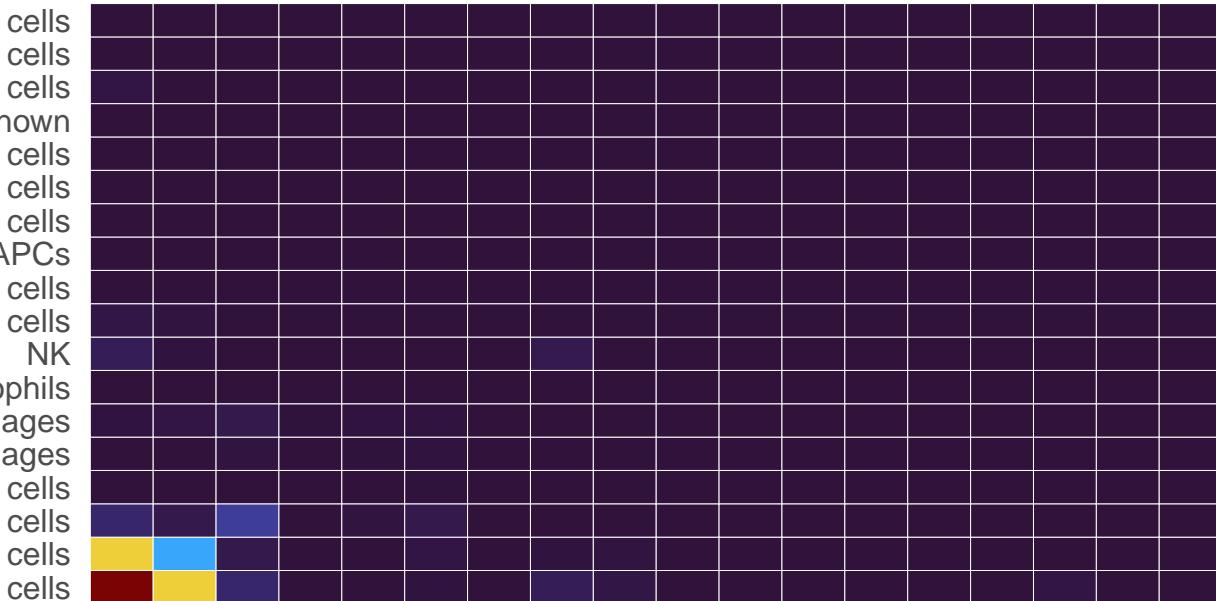
Number of Connections



PID 7 – Carcinoma_AGSCC_2_34.csv

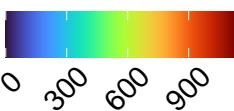
Cell Type 2

IBA1+ tumor cells
memory CD4+ T cells
dendritic cells
Unknown
B cells
memory CD8+ T cells
regulatory T cells
other APCs
CD4+ T cells
effector CD8+ T cells
NK
neutrophils
M1/M0 macrophages
M2 macrophages
endothelial cells
stromal cells
Ki67+ tumor cells
tumor cells



Cell Type 1

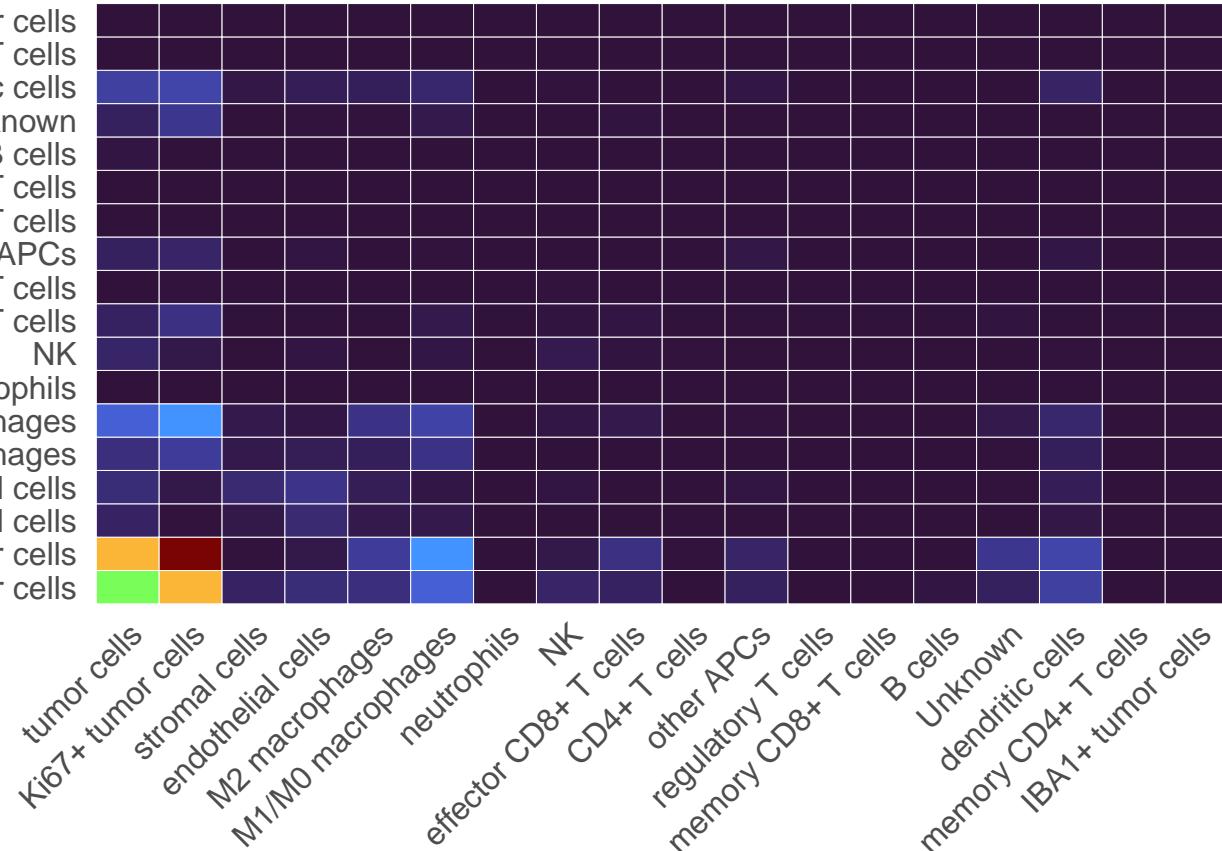
Number of Connections



PID 8 – Carcinoma_FAHNSCC_14_4.csv

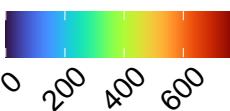
Cell Type 2

IBA1+ tumor cells
 memory CD4+ T cells
 dendritic cells
 Unknown
 B cells
 memory CD8+ T cells
 regulatory T cells
 other APCs
 CD4+ T cells
 effector CD8+ T cells
 NK
 neutrophils
 M1/M0 macrophages
 M2 macrophages
 endothelial cells
 stromal cells
 Ki67+ tumor cells
 tumor cells



Cell Type 1

Number of Connections



PID 9 – carcinoma_invasive_F23P1_PRIM_9.csv

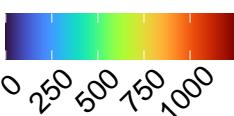
Cell Type 2

- IBA1+ tumor cells
- memory CD4+ T cells
- dendritic cells
- Unknown
- B cells
- memory CD8+ T cells
- regulatory T cells
- other APCs
- CD4+ T cells
- effector CD8+ T cells
- NK
- neutrophils
- M1/M0 macrophages
- M2 macrophages
- endothelial cells
- stromal cells
- Ki67+ tumor cells
- tumor cells

- tumor cells
- Ki67+ tumor cells
- stromal cells
- endothelial cells
- M2 macrophages
- M1/M0 macrophages
- neutrophils
- NK
- effector CD8+ T cells
- CD4+ T cells
- other APCs
- regulatory T cells
- memory CD8+ T cells
- B cells
- Unknown
- dendritic cells
- memory CD4+ T cells
- IBA1+ tumor cells

Cell Type 1

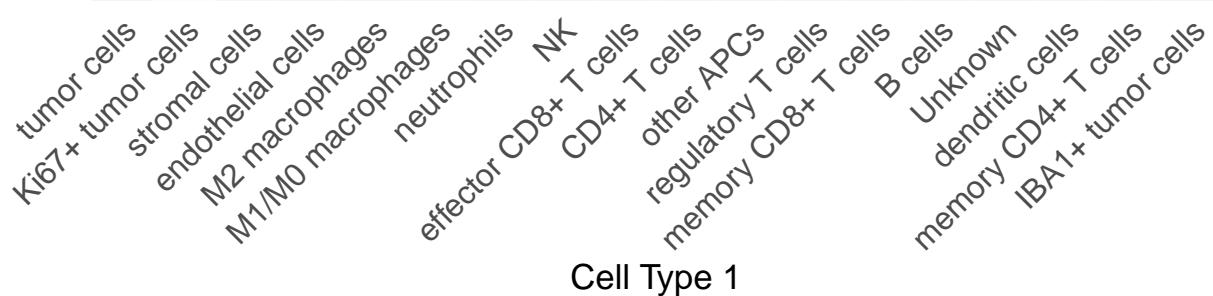
Number of Connections



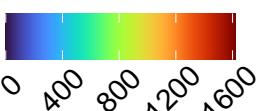
PID 10 – Carcinoma_AGSCC_2_16.csv

Cell Type 2

- IBA1+ tumor cells
- memory CD4+ T cells
- dendritic cells
- Unknown
- B cells
- memory CD8+ T cells
- regulatory T cells
- other APCs
- CD4+ T cells
- effector CD8+ T cells
- NK
- neutrophils
- M1/M0 macrophages
- M2 macrophages
- endothelial cells
- stromal cells
- Ki67+ tumor cells
- tumor cells



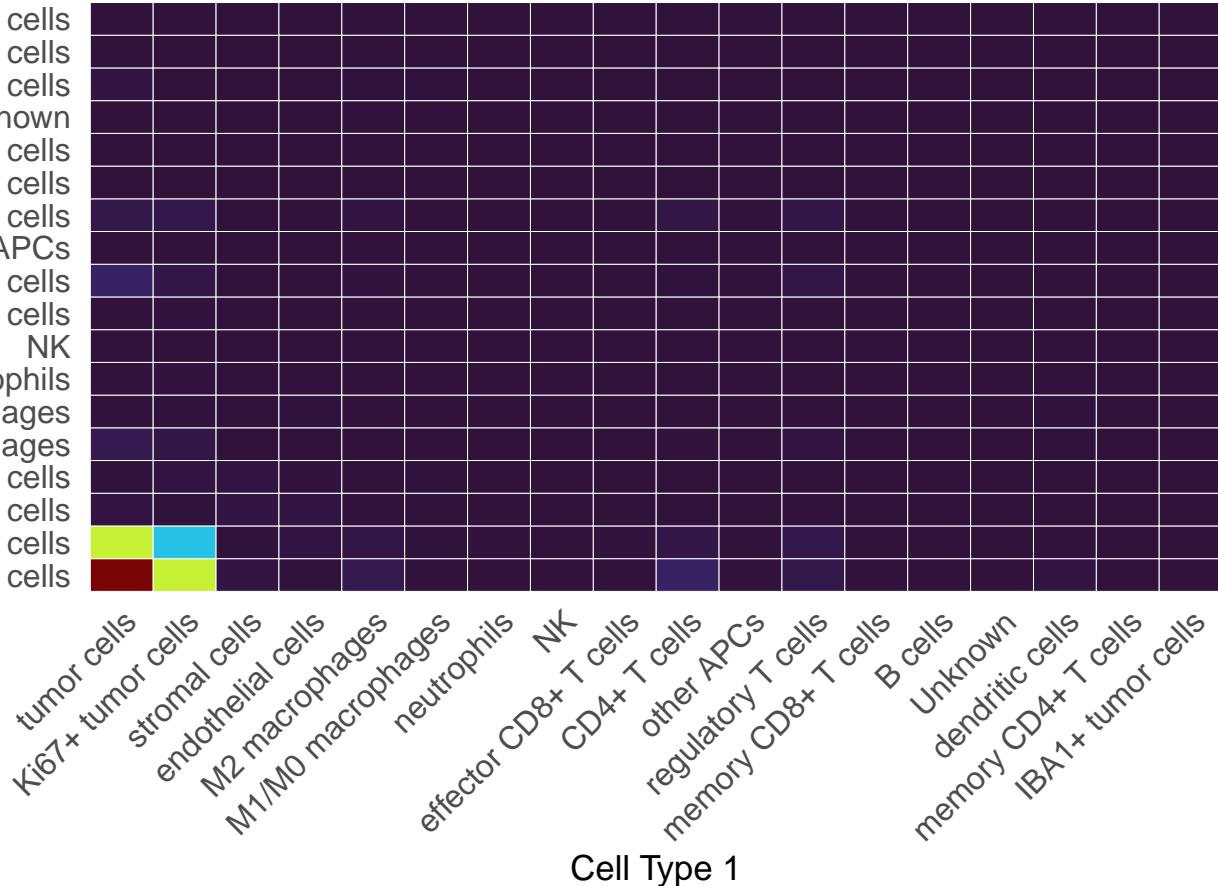
Number of Connections



PID 11 – Carcinoma_AGSCC_2_37.csv

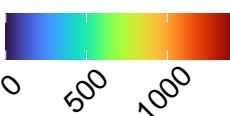
Cell Type 2

IBA1+ tumor cells
memory CD4+ T cells
dendritic cells
Unknown
B cells
memory CD8+ T cells
regulatory T cells
other APCs
CD4+ T cells
effector CD8+ T cells
NK
neutrophils
M1/M0 macrophages
M2 macrophages
endothelial cells
stromal cells
Ki67+ tumor cells
tumor cells



Cell Type 1

Number of Connections



PID 12 – Carcinoma_AGSCC_2_40.csv

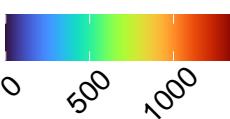
Cell Type 2

IBA1+ tumor cells
memory CD4+ T cells
dendritic cells
Unknown
B cells
memory CD8+ T cells
regulatory T cells
other APCs
CD4+ T cells
effector CD8+ T cells
NK
neutrophils
M1/M0 macrophages
M2 macrophages
endothelial cells
stromal cells
Ki67+ tumor cells
tumor cells

tumor cells
Ki67+ tumor cells
stromal cells
endothelial cells
M2 macrophages
M1/M0 macrophages
neutrophils
NK
effector CD8+ T cells
CD4+ T cells
other APCs
regulatory T cells
memory CD8+ T cells
B cells
Unknown
dendritic cells
memory CD4+ T cells
IBA1+ tumor cells

Cell Type 1

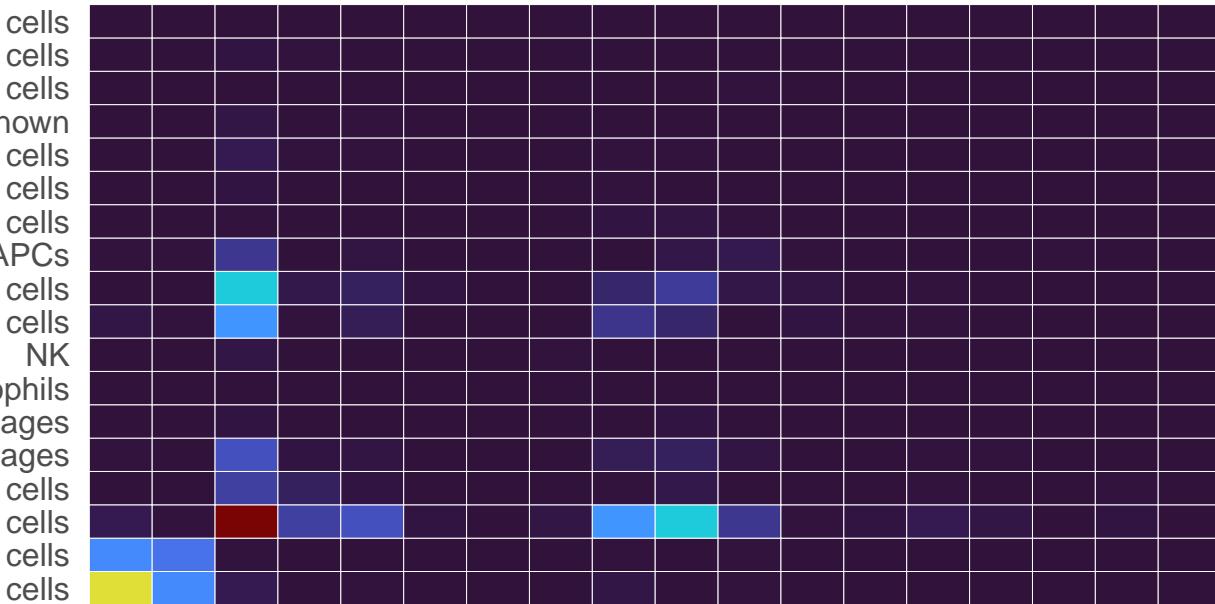
Number of Connections



PID 13 – carcinoma_invasive_and_stroma_FAHNSCC_11B_2.csv

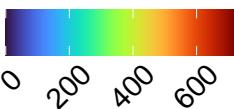
Cell Type 2

IBA1+ tumor cells
memory CD4+ T cells
dendritic cells
Unknown
B cells
memory CD8+ T cells
regulatory T cells
other APCs
CD4+ T cells
effector CD8+ T cells
NK
neutrophils
M1/M0 macrophages
M2 macrophages
endothelial cells
stromal cells
Ki67+ tumor cells
tumor cells



Cell Type 1

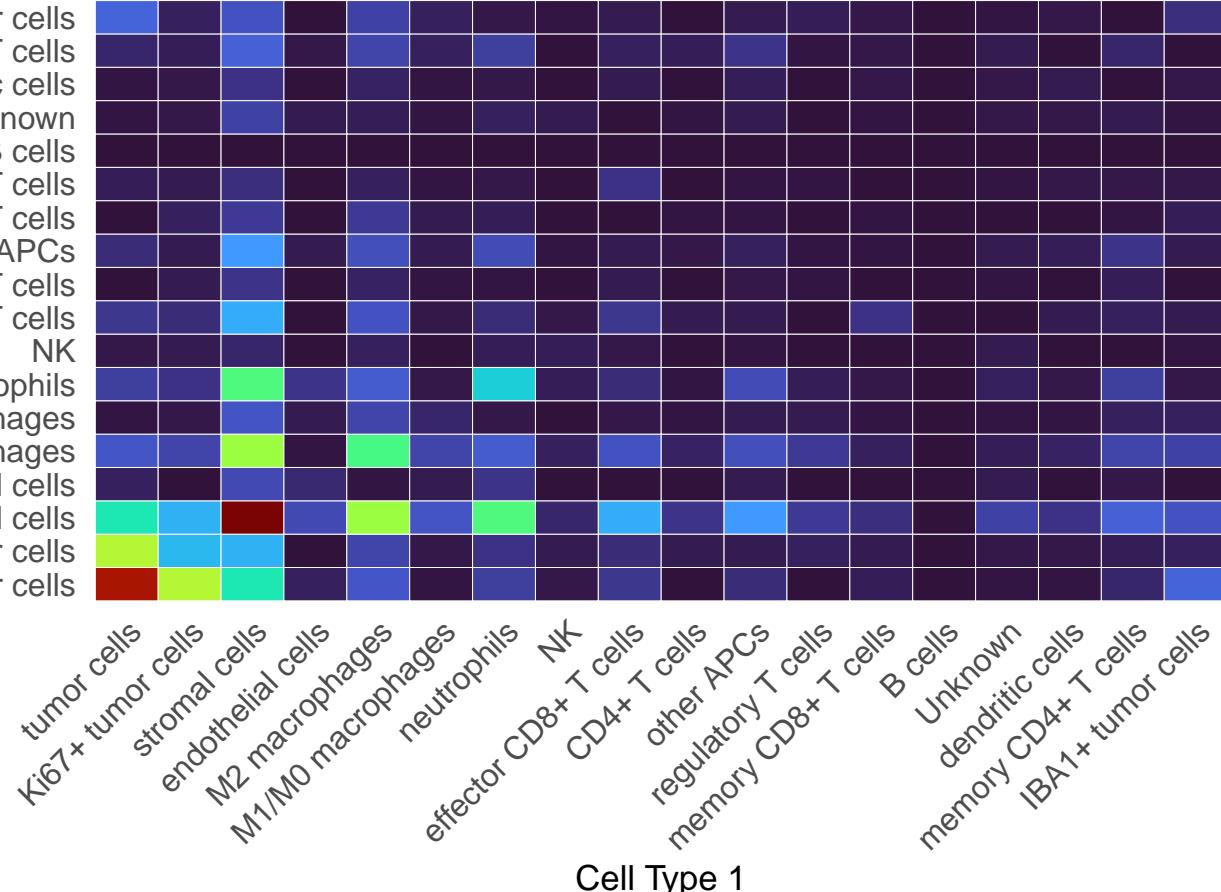
Number of Connections



PID 14 – carcinoma_invasive_F29P1_13.csv

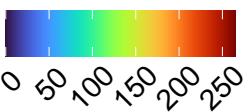
Cell Type 2

IBA1+ tumor cells
 memory CD4+ T cells
 dendritic cells
 Unknown
 B cells
 memory CD8+ T cells
 regulatory T cells
 other APCs
 CD4+ T cells
 effector CD8+ T cells
 NK
 neutrophils
 M1/M0 macrophages
 M2 macrophages
 endothelial cells
 stromal cells
 Ki67+ tumor cells
 tumor cells



Cell Type 1

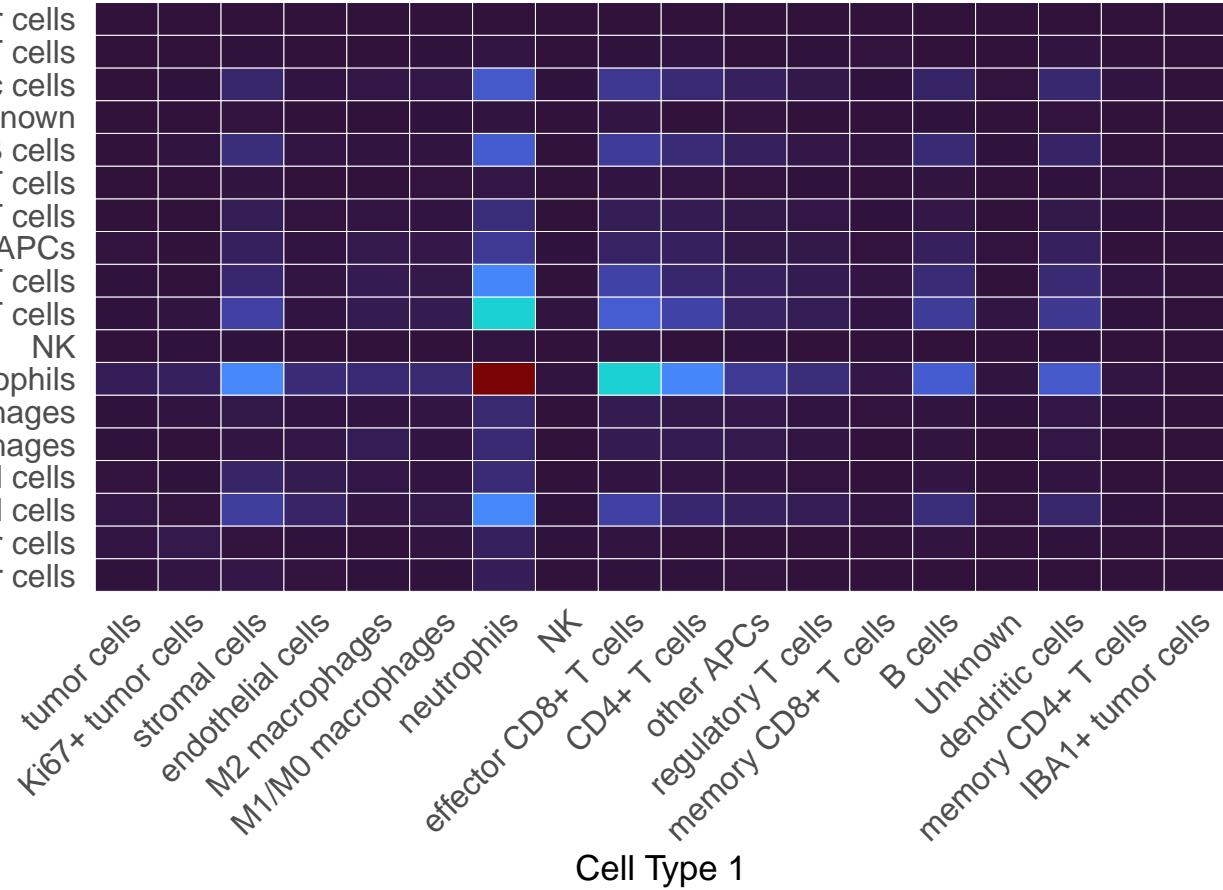
Number of Connections



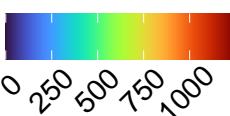
PID 15 – carcinoma_invasive_F23P1_PRIM_12.csv

Cell Type 2

IBA1+ tumor cells
 memory CD4+ T cells
 dendritic cells
 Unknown
 B cells
 memory CD8+ T cells
 regulatory T cells
 other APCs
 CD4+ T cells
 effector CD8+ T cells
 NK
 neutrophils
 M1/M0 macrophages
 M2 macrophages
 endothelial cells
 stromal cells
 Ki67+ tumor cells
 tumor cells



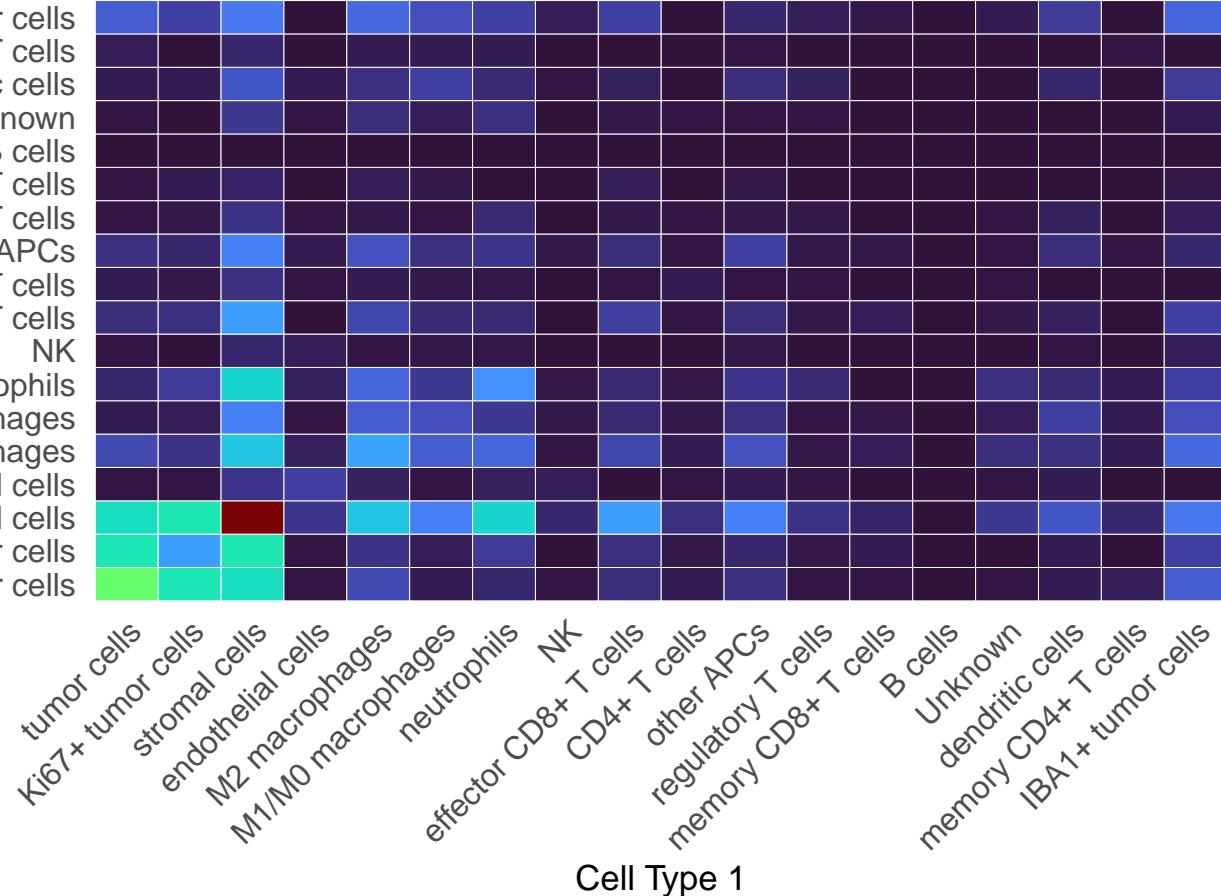
Number of Connections



PID 16 – carcinoma_invasive_F29P1_11.csv

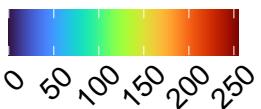
Cell Type 2

IBA1+ tumor cells
 memory CD4+ T cells
 dendritic cells
 Unknown
 B cells
 memory CD8+ T cells
 regulatory T cells
 other APCs
 CD4+ T cells
 effector CD8+ T cells
 NK
 neutrophils
 M1/M0 macrophages
 M2 macrophages
 endothelial cells
 stromal cells
 Ki67+ tumor cells
 tumor cells



Cell Type 1

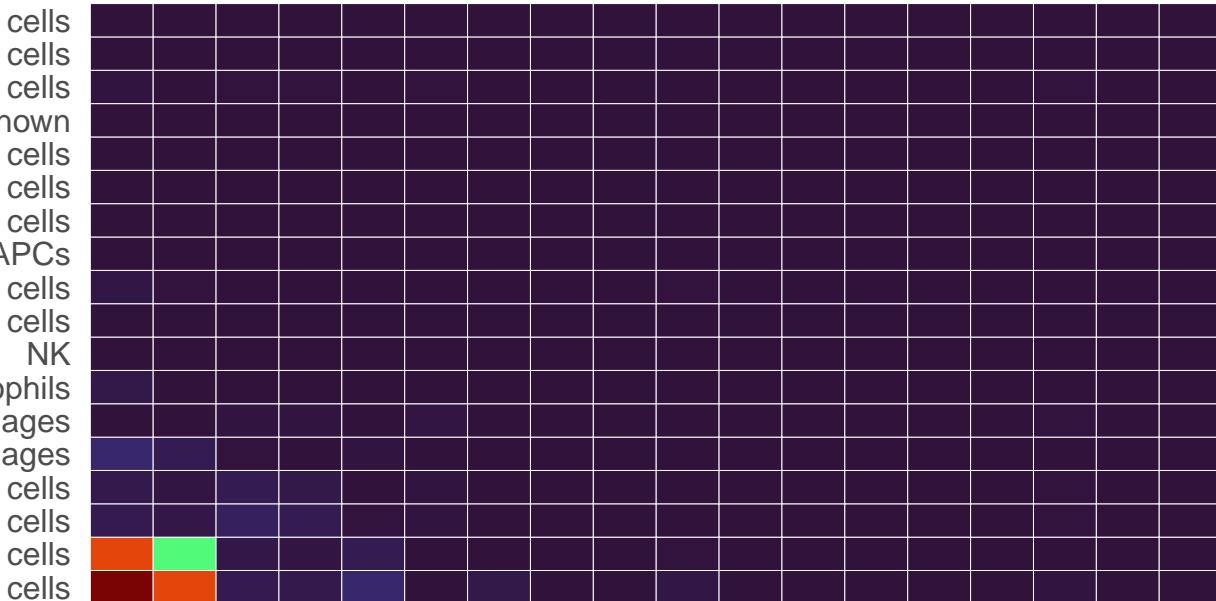
Number of Connections



PID 17 – Carcinoma_AGSCC_2_35.csv

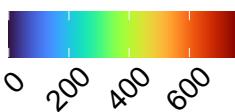
Cell Type 2

- IBA1+ tumor cells
- memory CD4+ T cells
- dendritic cells
- Unknown
- B cells
- memory CD8+ T cells
- regulatory T cells
- other APCs
- CD4+ T cells
- effector CD8+ T cells
- NK
- neutrophils
- M1/M0 macrophages
- M2 macrophages
- endothelial cells
- stromal cells
- Ki67+ tumor cells
- tumor cells



Cell Type 1

Number of Connections



PID 18 – carcinoma_invasive_F29P1_14.csv

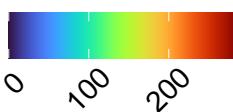
Cell Type 2

- IBA1+ tumor cells
- memory CD4+ T cells
- dendritic cells
- Unknown
- B cells
- memory CD8+ T cells
- regulatory T cells
- other APCs
- CD4+ T cells
- effector CD8+ T cells
- NK
- neutrophils
- M1/M0 macrophages
- M2 macrophages
- endothelial cells
- stromal cells
- Ki67+ tumor cells
- tumor cells

tumor cells
 Ki67+ tumor cells
 stromal cells
 endothelial cells
 M2 macrophages
 M1/M0 macrophages
 neutrophils
 NK
 effector CD8+ T cells
 CD4+ T cells
 other APCs
 regulatory T cells
 memory CD8+ T cells
 B cells
 Unknown
 dendritic cells
 memory CD4+ T cells
 IBA1+ tumor cells

Cell Type 1

Number of Connections



PID 19 – Carcinoma_AGSCC_2_15.csv

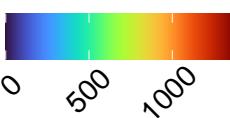
Cell Type 2

- IBA1+ tumor cells
- memory CD4+ T cells
- dendritic cells
- Unknown
- B cells
- memory CD8+ T cells
- regulatory T cells
- other APCs
- CD4+ T cells
- effector CD8+ T cells
- NK
- neutrophils
- M1/M0 macrophages
- M2 macrophages
- endothelial cells
- stromal cells
- Ki67+ tumor cells
- tumor cells

- tumor cells
- Ki67+ tumor cells
- stromal cells
- endothelial cells
- M2 macrophages
- M1/M0 macrophages
- neutrophils
- NK
- effector CD8+ T cells
- CD4+ T cells
- other APCs
- regulatory T cells
- memory CD8+ T cells
- B cells
- Unknown
- dendritic cells
- memory CD4+ T cells
- IBA1+ tumor cells

Cell Type 1

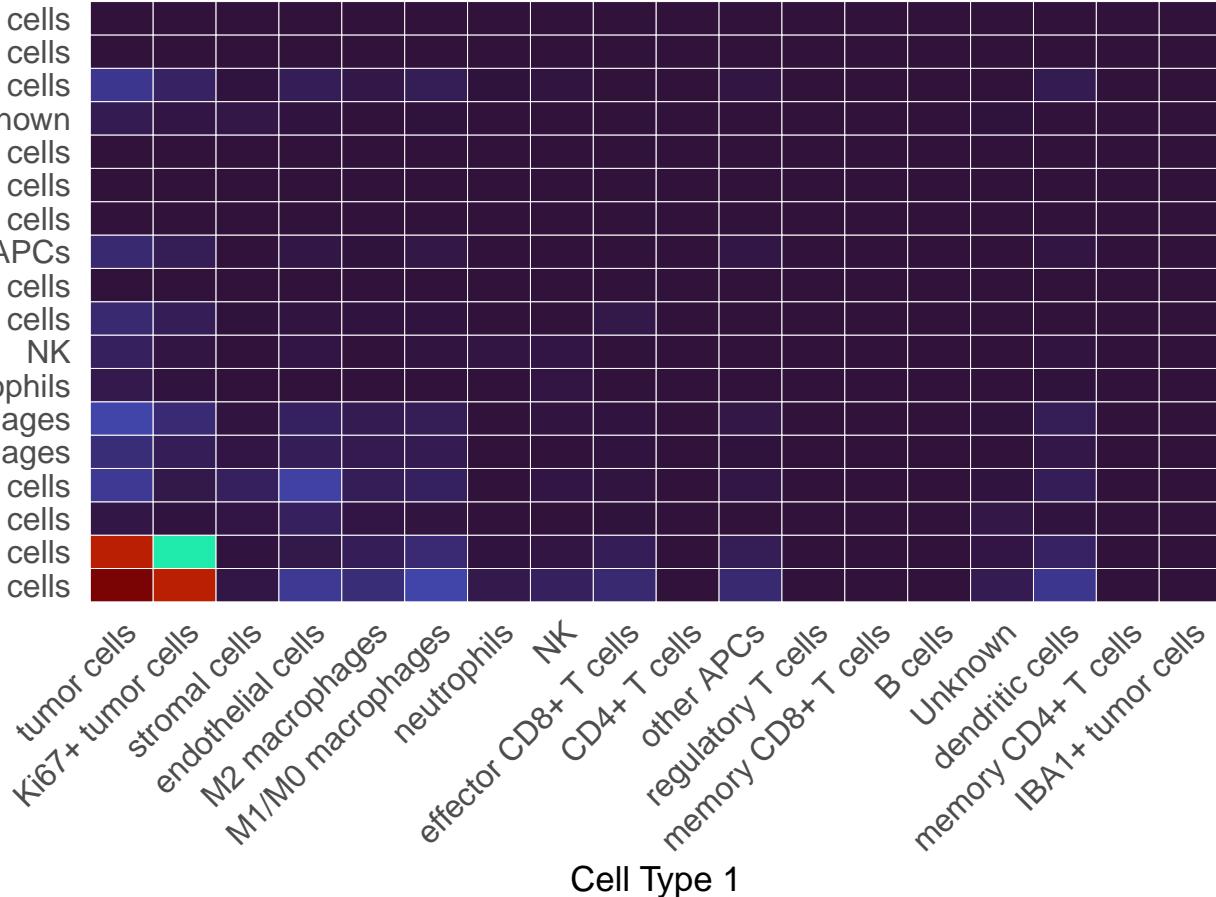
Number of Connections



PID 20 – Carcinoma_FAHNSCC_14_2.csv

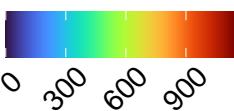
Cell Type 2

IBA1+ tumor cells
memory CD4+ T cells
dendritic cells
Unknown
B cells
memory CD8+ T cells
regulatory T cells
other APCs
CD4+ T cells
effector CD8+ T cells
NK
neutrophils
M1/M0 macrophages
M2 macrophages
endothelial cells
stromal cells
Ki67+ tumor cells
tumor cells



Cell Type 1

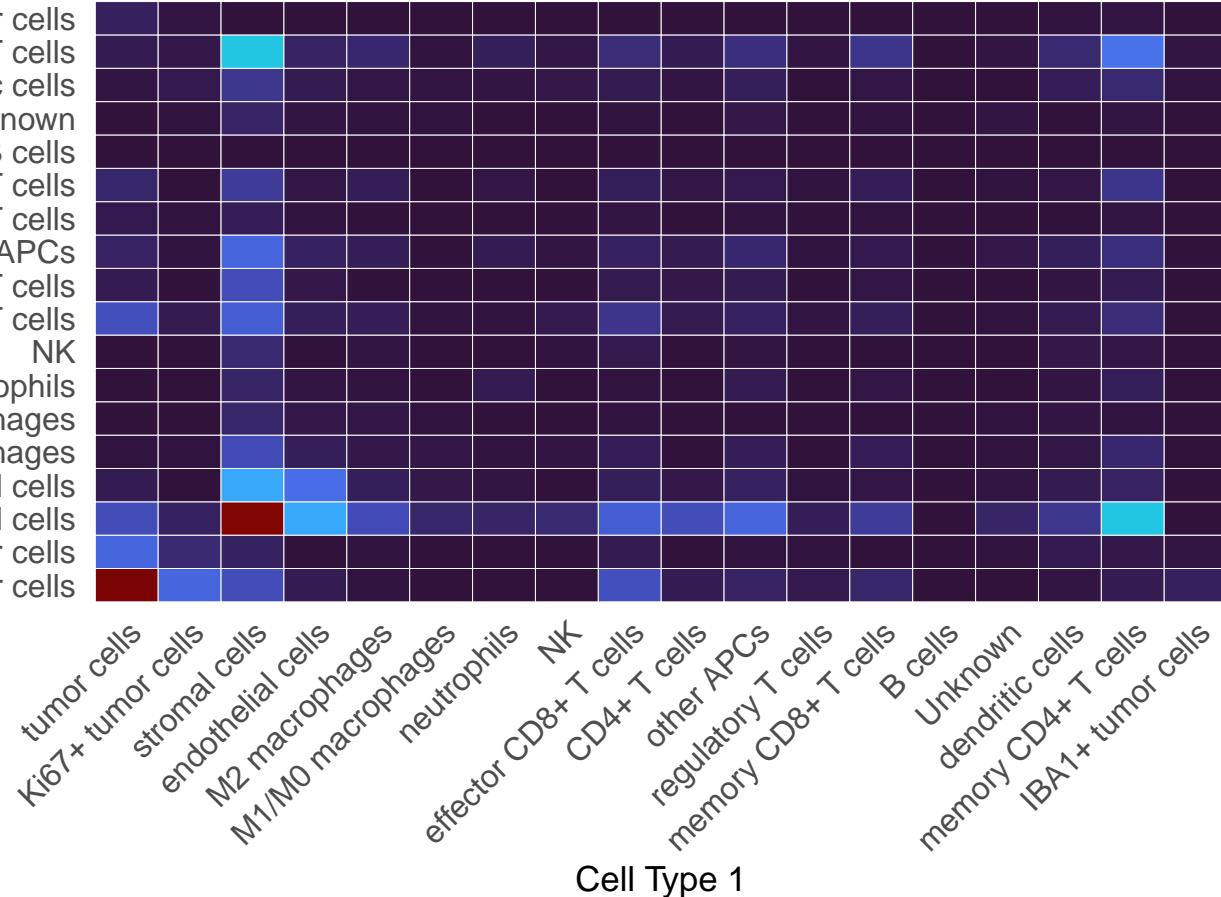
Number of Connections



PID 21 – carcinoma_invasive_F29P1_1.csv

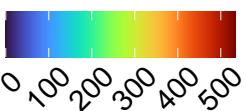
Cell Type 2

IBA1+ tumor cells
 memory CD4+ T cells
 dendritic cells
 Unknown
 B cells
 memory CD8+ T cells
 regulatory T cells
 other APCs
 CD4+ T cells
 effector CD8+ T cells
 NK
 neutrophils
 M1/M0 macrophages
 M2 macrophages
 endothelial cells
 stromal cells
 Ki67+ tumor cells
 tumor cells



Cell Type 1

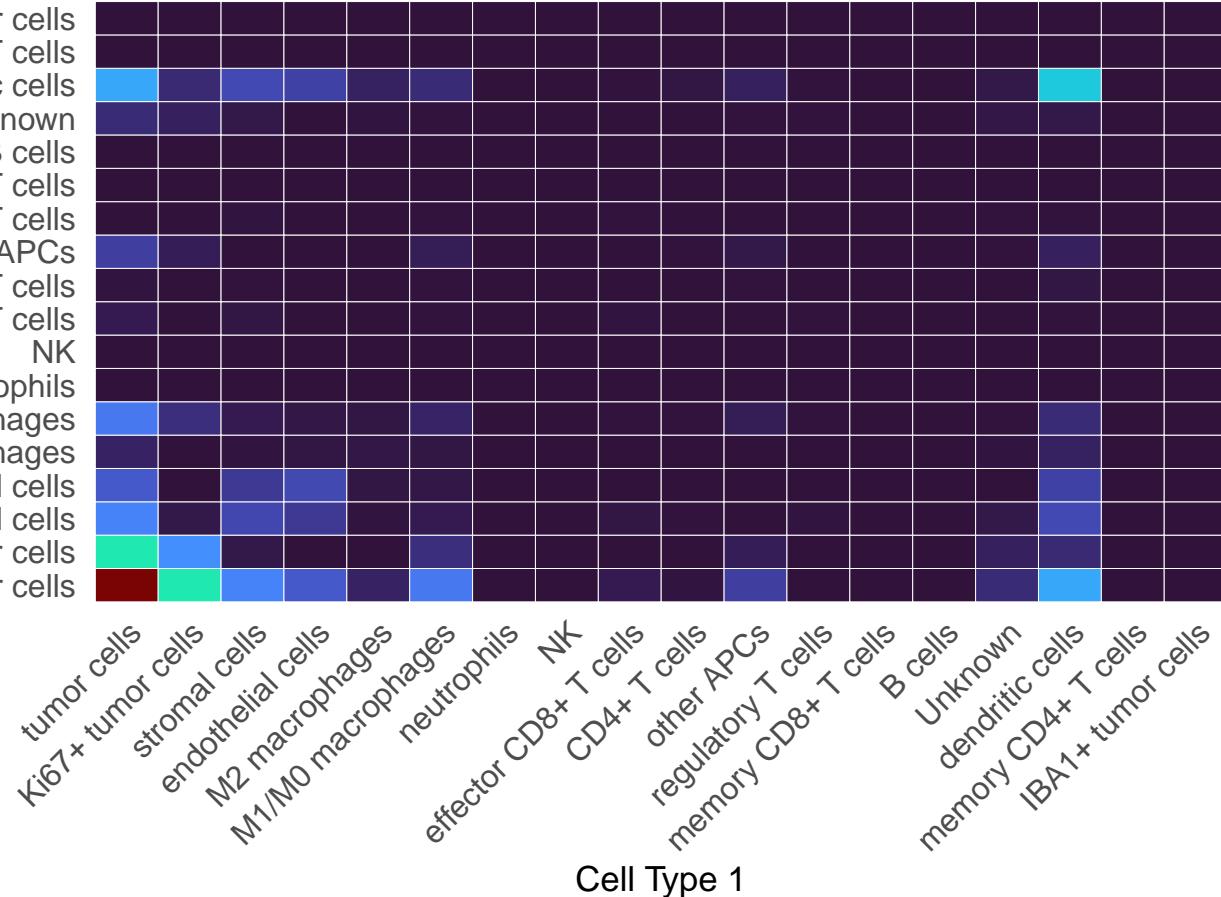
Number of Connections



PID 22 – Carcinoma_FAHNSCC_15_2.csv

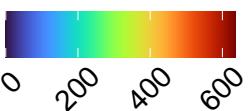
Cell Type 2

IBA1+ tumor cells
 memory CD4+ T cells
 dendritic cells
 Unknown
 B cells
 memory CD8+ T cells
 regulatory T cells
 other APCs
 CD4+ T cells
 effector CD8+ T cells
 NK
 neutrophils
 M1/M0 macrophages
 M2 macrophages
 endothelial cells
 stromal cells
 Ki67+ tumor cells
 tumor cells



Cell Type 1

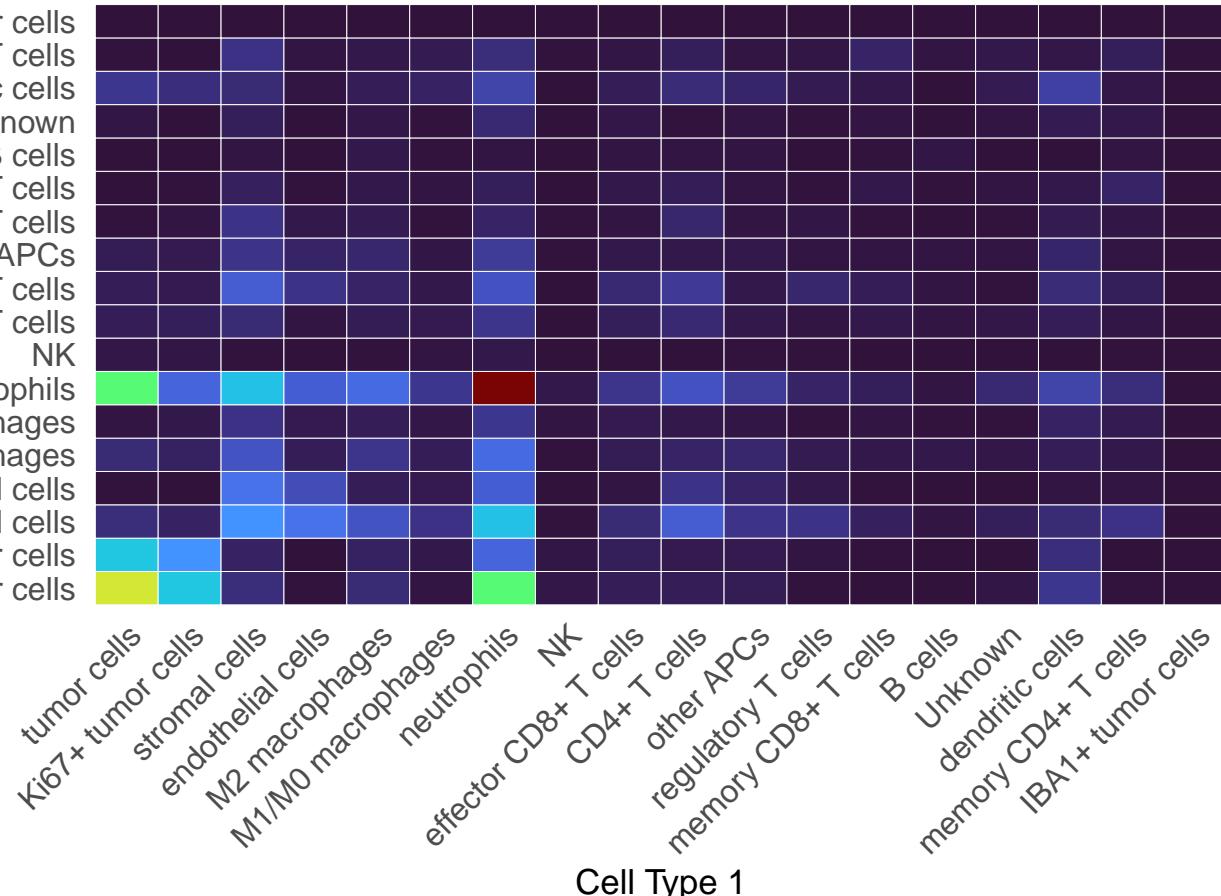
Number of Connections



PID 23 – carcinoma_invasive_F23P1_PRIM_5.csv

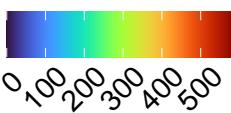
Cell Type 2

IBA1+ tumor cells
 memory CD4+ T cells
 dendritic cells
 Unknown
 B cells
 memory CD8+ T cells
 regulatory T cells
 other APCs
 CD4+ T cells
 effector CD8+ T cells
 NK
 neutrophils
 M1/M0 macrophages
 M2 macrophages
 endothelial cells
 stromal cells
 Ki67+ tumor cells
 tumor cells



Cell Type 1

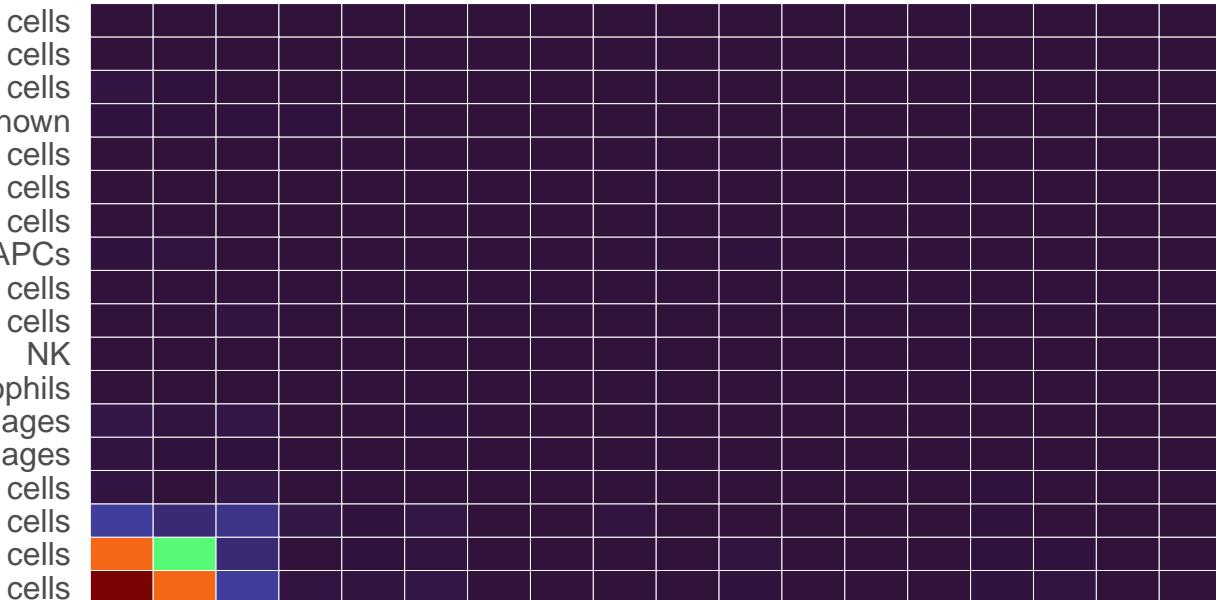
Number of Connections



PID 24 – Carcinoma_AGSCC_2_6.csv

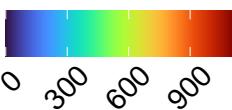
Cell Type 2

- IBA1+ tumor cells
- memory CD4+ T cells
- dendritic cells
- Unknown
- B cells
- memory CD8+ T cells
- regulatory T cells
- other APCs
- CD4+ T cells
- effector CD8+ T cells
- NK
- neutrophils
- M1/M0 macrophages
- M2 macrophages
- endothelial cells
- stromal cells
- Ki67+ tumor cells
- tumor cells



Cell Type 1

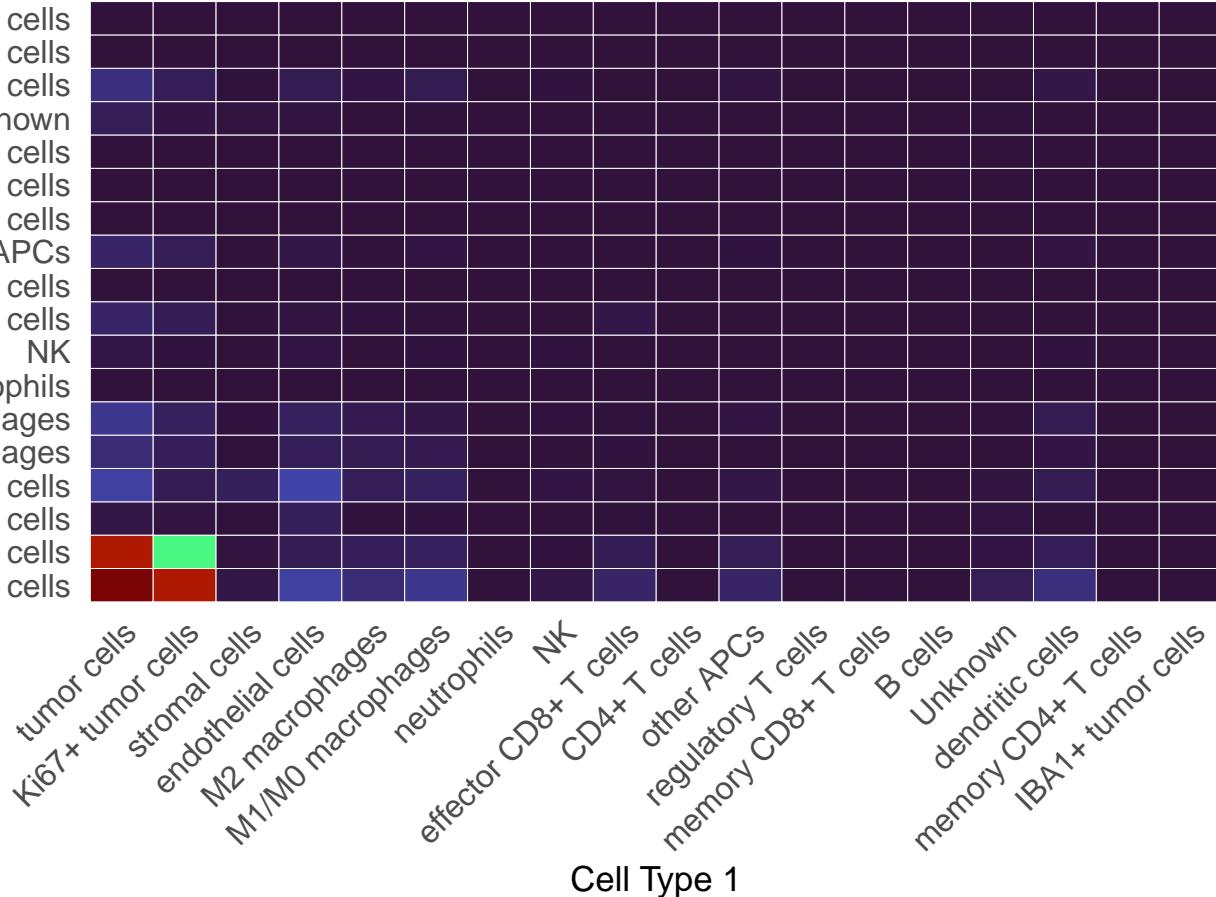
Number of Connections



PID 25 – Carcinoma_FAHNSCC_14_1.csv

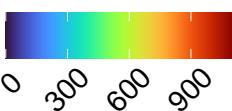
Cell Type 2

IBA1+ tumor cells
memory CD4+ T cells
dendritic cells
Unknown
B cells
memory CD8+ T cells
regulatory T cells
other APCs
CD4+ T cells
effector CD8+ T cells
NK
neutrophils
M1/M0 macrophages
M2 macrophages
endothelial cells
stromal cells
Ki67+ tumor cells
tumor cells

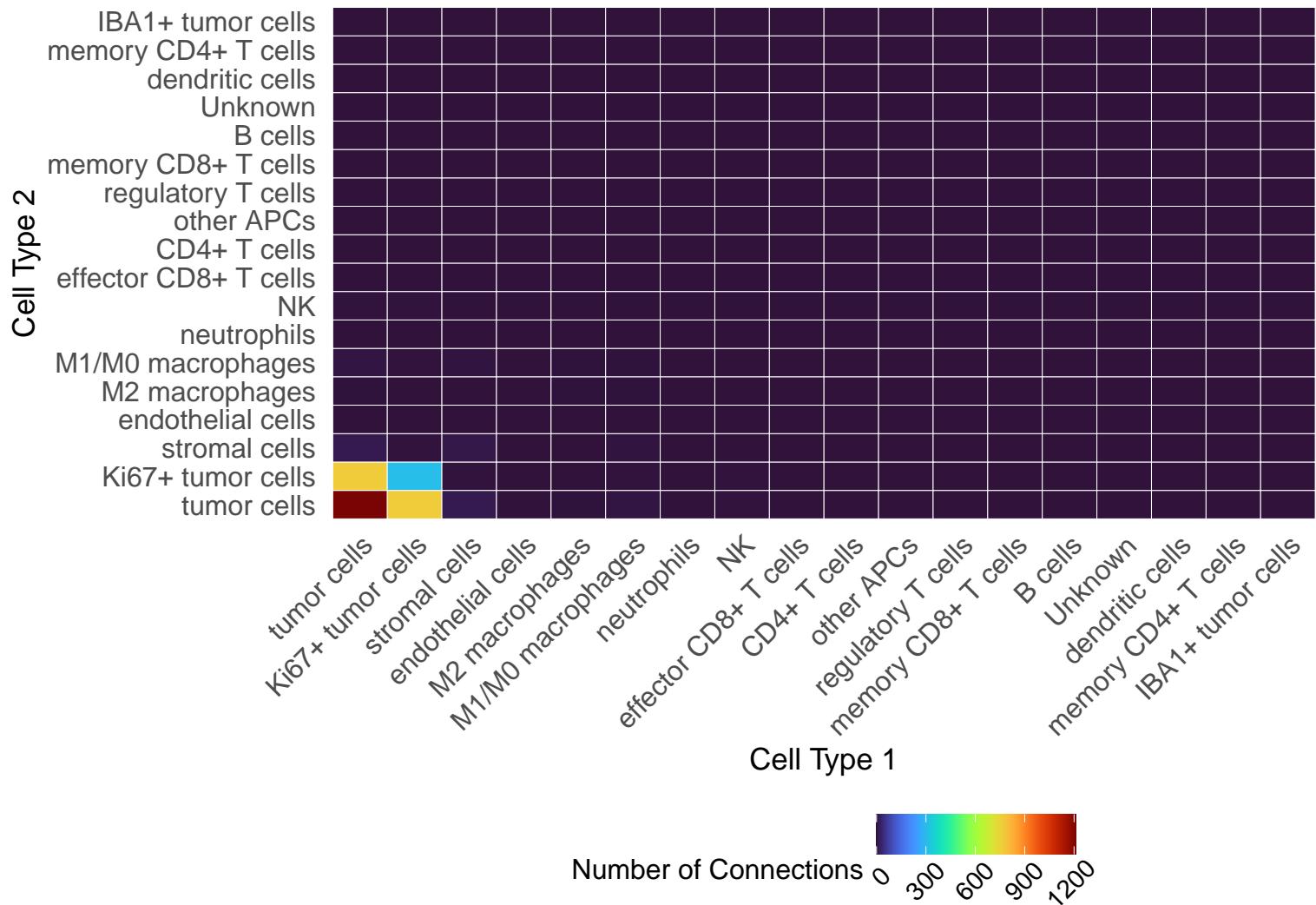


Cell Type 1

Number of Connections



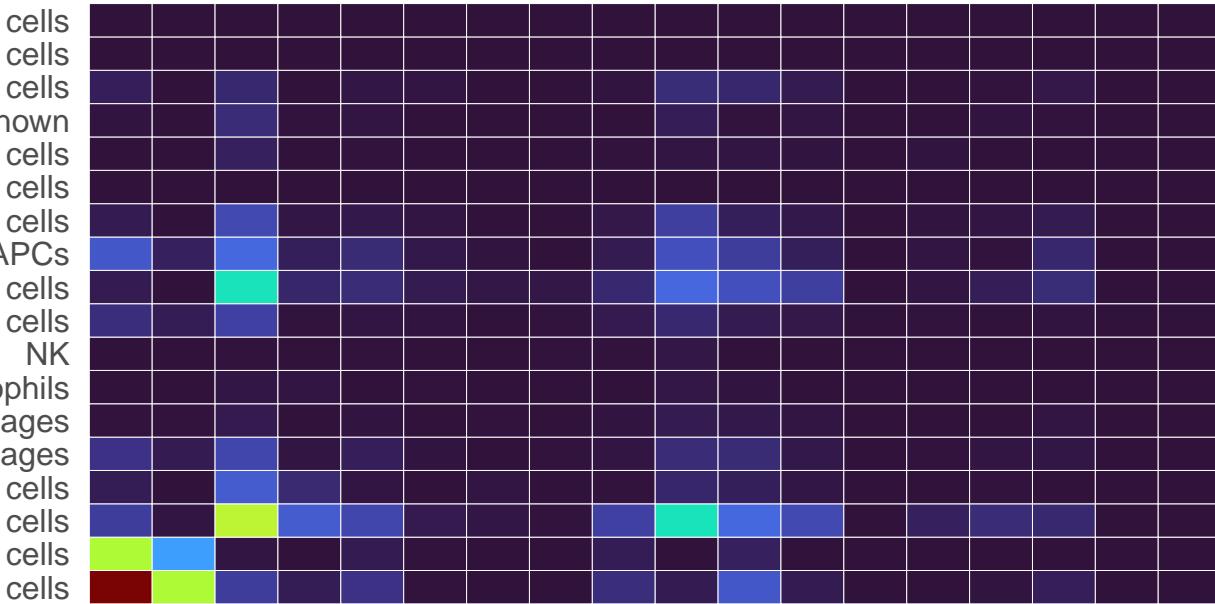
PID 26 – Carcinoma AGSCC 2 28.csv



PID 27 – carcinoma_in_situ_and_stroma_FAHNSCC_11B_1.csv

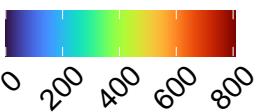
Cell Type 2

IBA1+ tumor cells
 memory CD4+ T cells
 dendritic cells
 Unknown
 B cells
 memory CD8+ T cells
 regulatory T cells
 other APCs
 CD4+ T cells
 effector CD8+ T cells
 NK
 neutrophils
 M1/M0 macrophages
 M2 macrophages
 endothelial cells
 stromal cells
 Ki67+ tumor cells
 tumor cells



Cell Type 1

Number of Connections



PID 28 – carcinoma_invasive_F29P1_6.csv

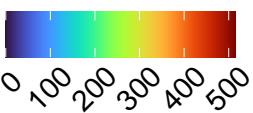
Cell Type 2

IBA1+ tumor cells
 memory CD4+ T cells
 dendritic cells
 Unknown
 B cells
 memory CD8+ T cells
 regulatory T cells
 other APCs
 CD4+ T cells
 effector CD8+ T cells
 NK
 neutrophils
 M1/M0 macrophages
 M2 macrophages
 endothelial cells
 stromal cells
 Ki67+ tumor cells
 tumor cells

tumor cells
 Ki67+ tumor cells
 stromal cells
 endothelial cells
 M2 macrophages
 M1/M0 macrophages
 neutrophils
 NK
 effector CD8+ T cells
 CD4+ T cells
 other APCs
 regulatory T cells
 memory CD8+ T cells
 B cells
 Unknown
 dendritic cells
 memory CD4+ T cells
 IBA1+ tumor cells

Cell Type 1

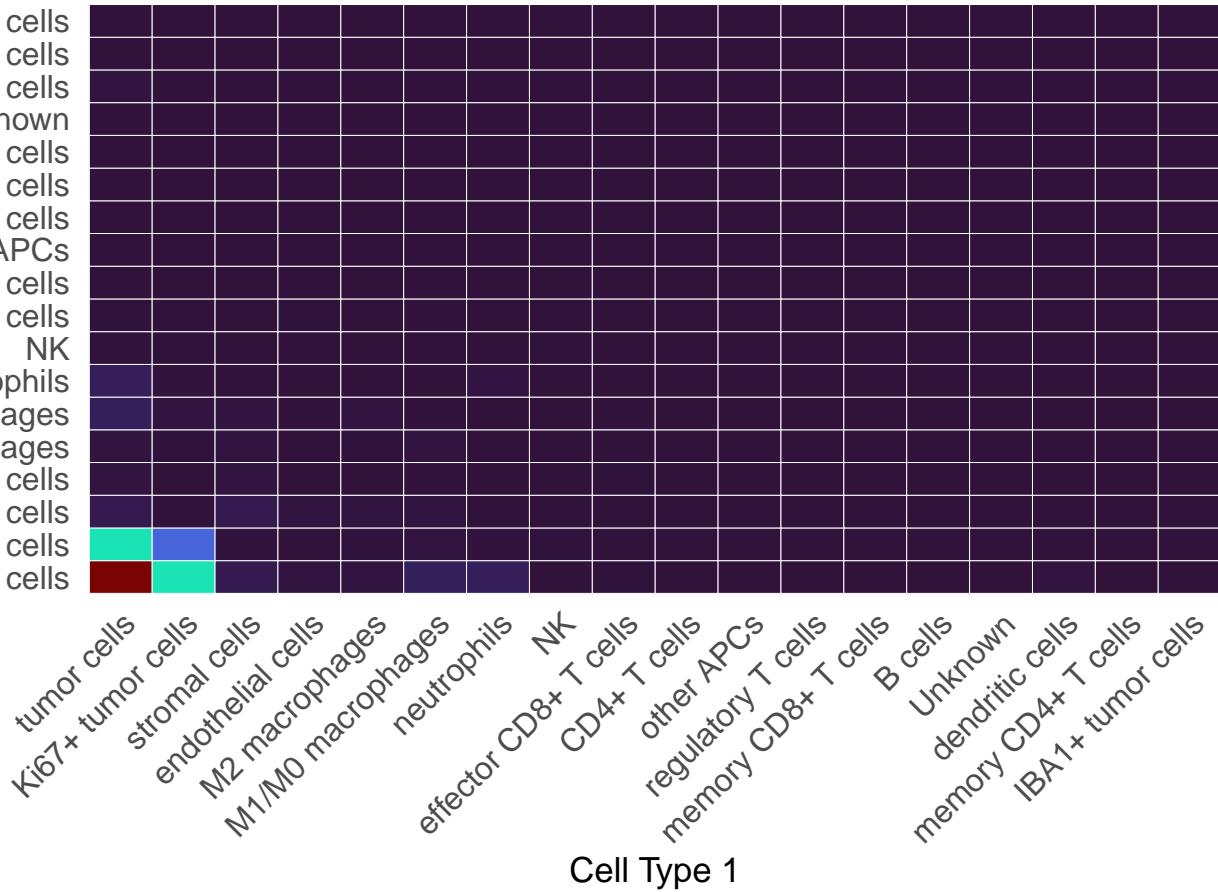
Number of Connections



PID 29 – Carcinoma_AGSCC_2_2.csv

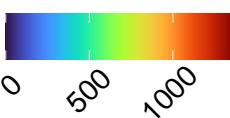
Cell Type 2

- IBA1+ tumor cells
- memory CD4+ T cells
- dendritic cells
- Unknown
- B cells
- memory CD8+ T cells
- regulatory T cells
- other APCs
- CD4+ T cells
- effector CD8+ T cells
- NK
- neutrophils
- M1/M0 macrophages
- M2 macrophages
- endothelial cells
- stromal cells
- Ki67+ tumor cells
- tumor cells



Cell Type 1

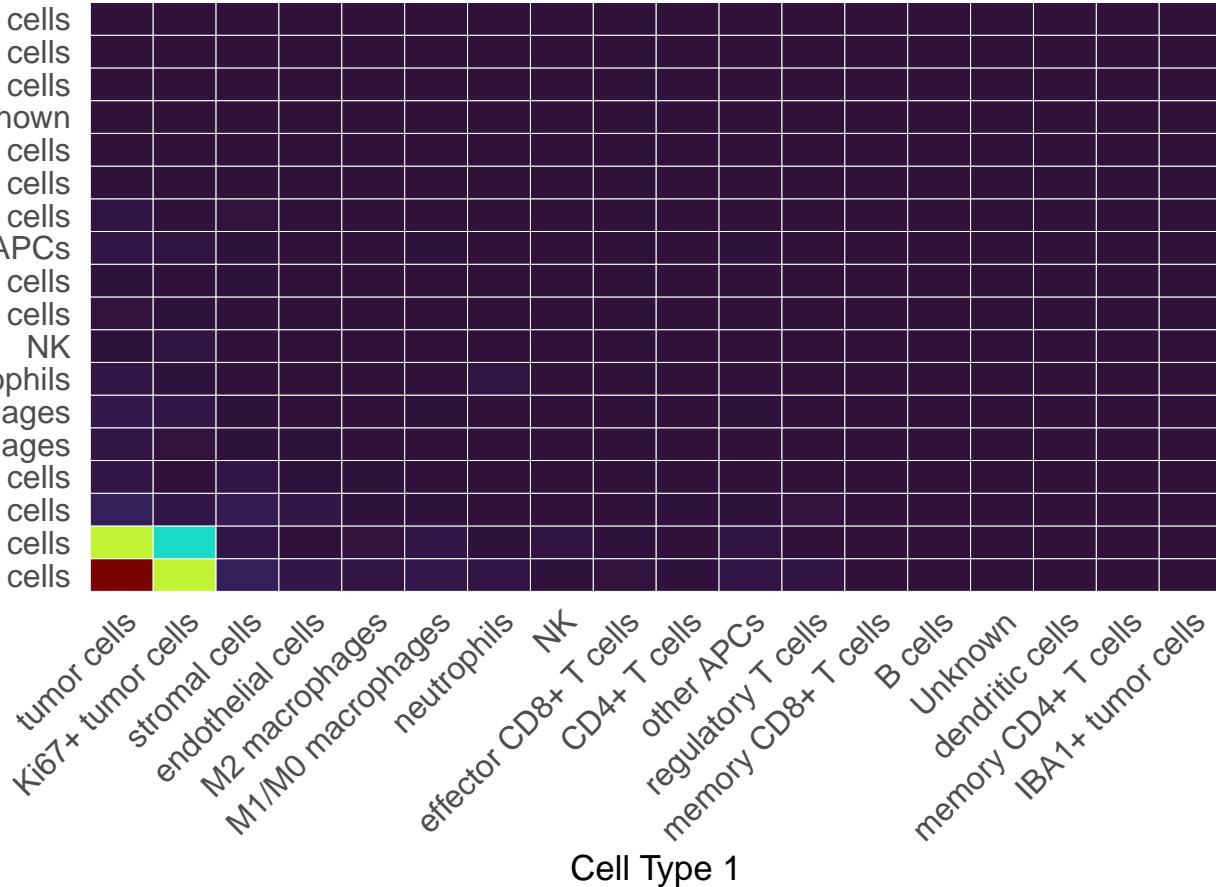
Number of Connections



PID 30 – Carcinoma_AGSCC_2_38.csv

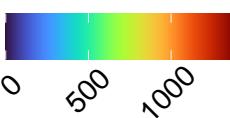
Cell Type 2

IBA1+ tumor cells
 memory CD4+ T cells
 dendritic cells
 Unknown
 B cells
 memory CD8+ T cells
 regulatory T cells
 other APCs
 CD4+ T cells
 effector CD8+ T cells
 NK
 neutrophils
 M1/M0 macrophages
 M2 macrophages
 endothelial cells
 stromal cells
 Ki67+ tumor cells
 tumor cells



Cell Type 1

Number of Connections



PID 31 – Carcinoma_AGSCC_2_4.csv

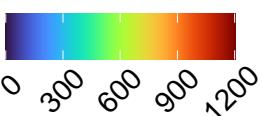
Cell Type 2

IBA1+ tumor cells
 memory CD4+ T cells
 dendritic cells
 Unknown
 B cells
 memory CD8+ T cells
 regulatory T cells
 other APCs
 CD4+ T cells
 effector CD8+ T cells
 NK
 neutrophils
 M1/M0 macrophages
 M2 macrophages
 endothelial cells
 stromal cells
 Ki67+ tumor cells
 tumor cells

tumor cells
 Ki67+ tumor cells
 stromal cells
 endothelial cells
 M2 macrophages
 M1/M0 macrophages
 neutrophils
 NK
 effector CD8+ T cells
 CD4+ T cells
 other APCs
 regulatory T cells
 memory CD8+ T cells
 B cells
 Unknown
 dendritic cells
 memory CD4+ T cells
 IBA1+ tumor cells

Cell Type 1

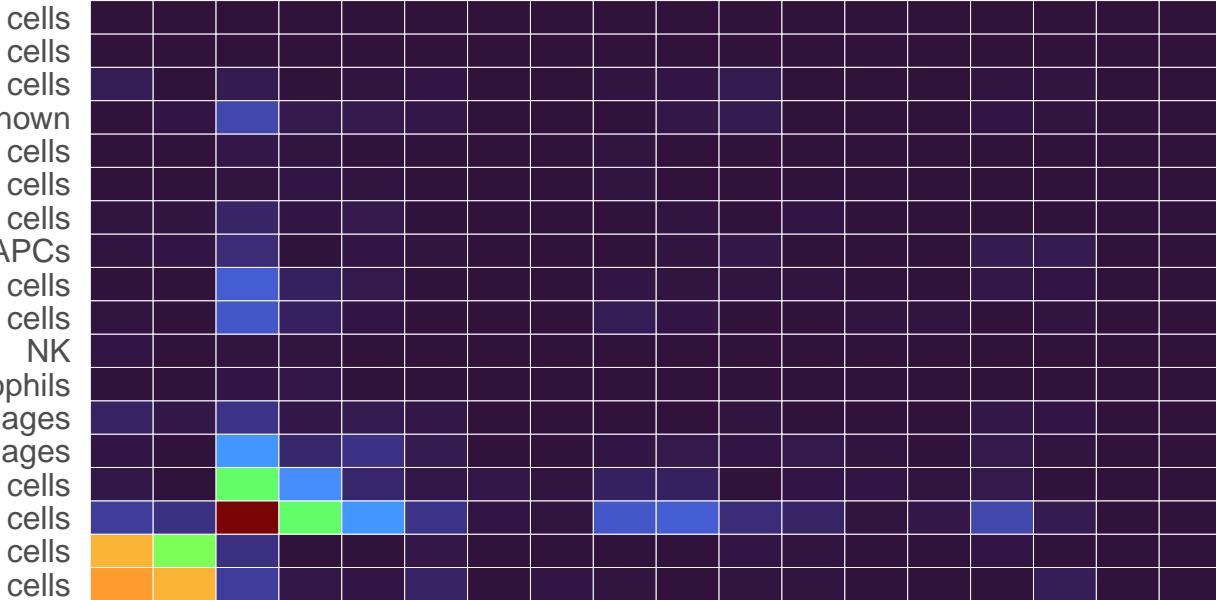
Number of Connections



PID 32 – carcinoma_in_situ_FAHNSCC_15_2.csv

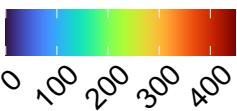
Cell Type 2

IBA1+ tumor cells
 memory CD4+ T cells
 dendritic cells
 Unknown
 B cells
 memory CD8+ T cells
 regulatory T cells
 other APCs
 CD4+ T cells
 effector CD8+ T cells
 NK
 neutrophils
 M1/M0 macrophages
 M2 macrophages
 endothelial cells
 stromal cells
 Ki67+ tumor cells
 tumor cells



Cell Type 1

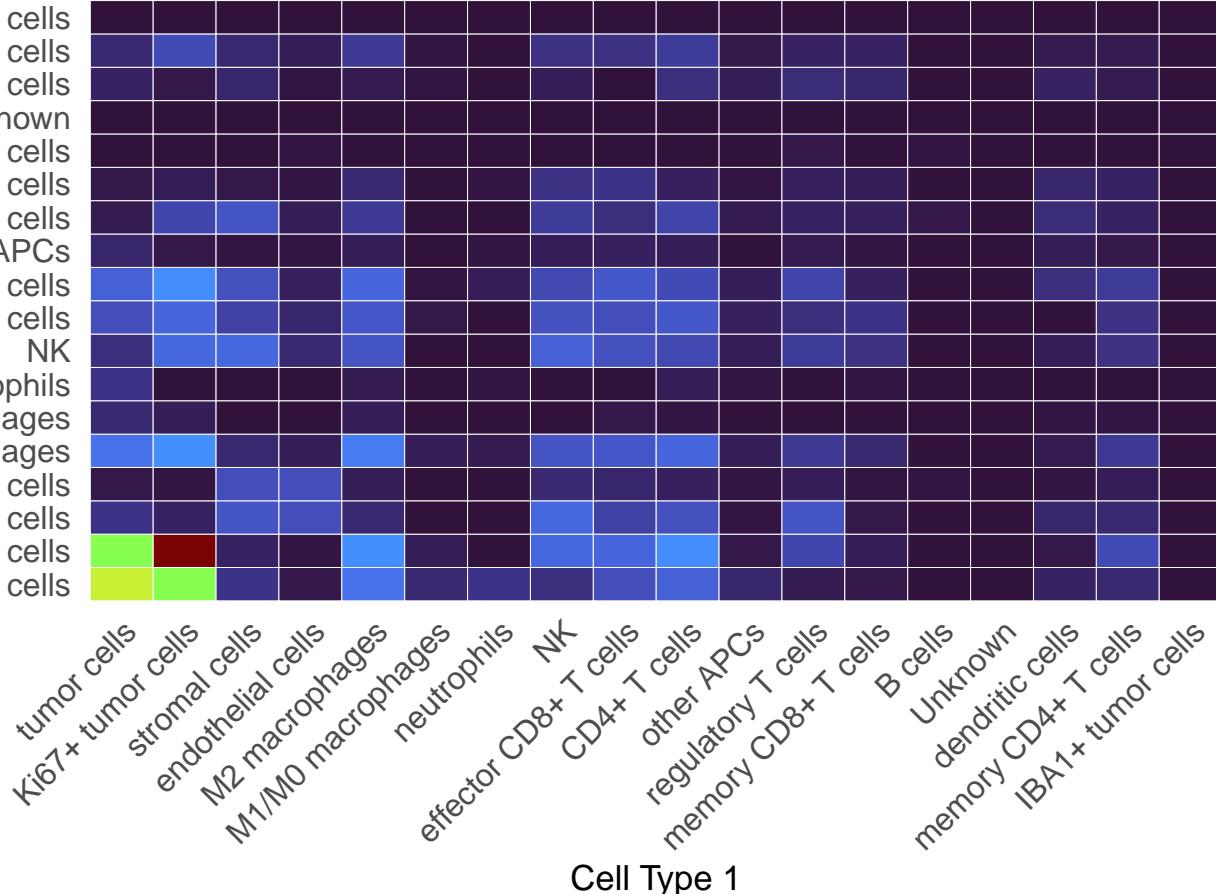
Number of Connections



PID 33 – carcinoma_invasive_F33P1_10.csv

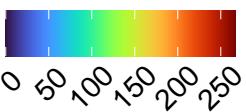
Cell Type 2

IBA1+ tumor cells
 memory CD4+ T cells
 dendritic cells
 Unknown
 B cells
 memory CD8+ T cells
 regulatory T cells
 other APCs
 CD4+ T cells
 effector CD8+ T cells
 NK
 neutrophils
 M1/M0 macrophages
 M2 macrophages
 endothelial cells
 stromal cells
 Ki67+ tumor cells
 tumor cells



Cell Type 1

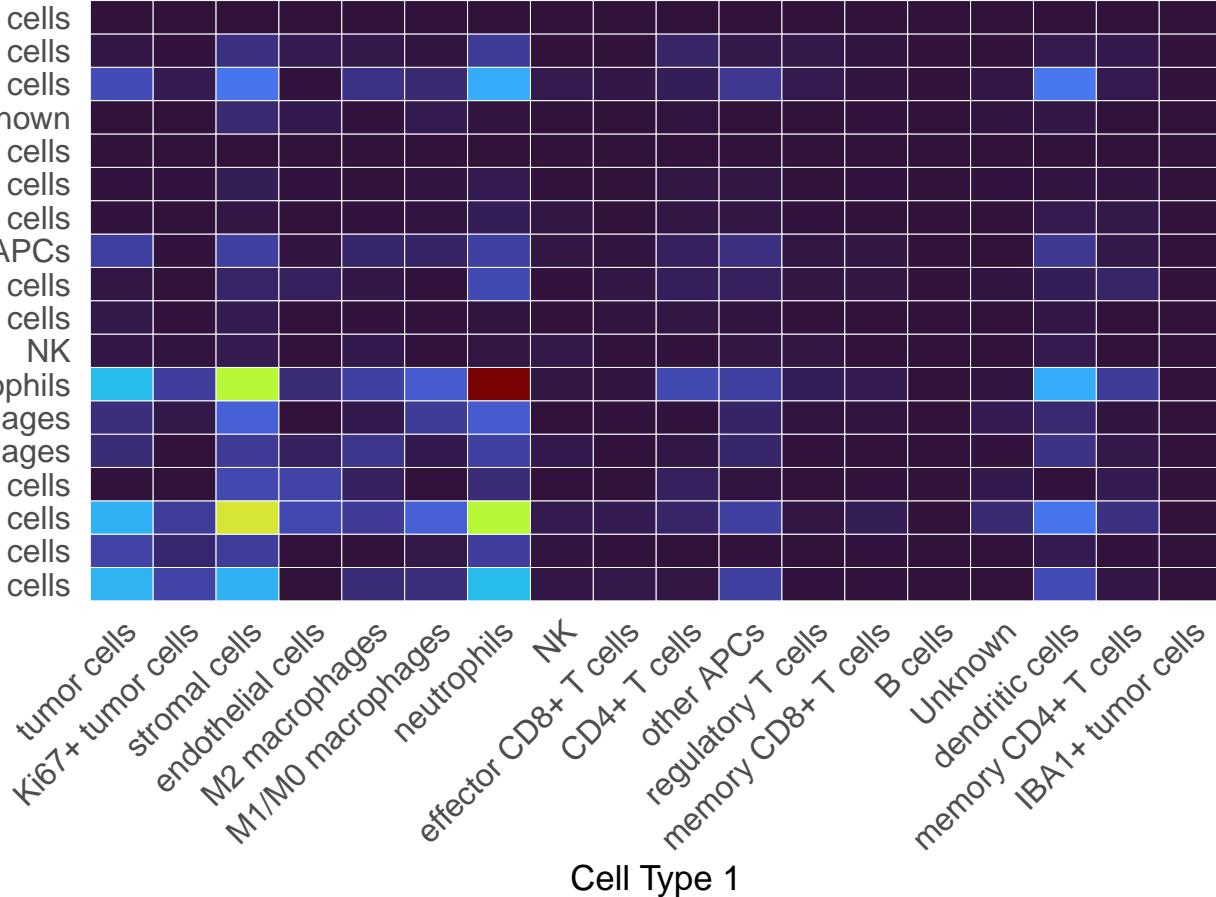
Number of Connections



PID 34 – carcinoma_invasive_F23P1_PRIM_1.csv

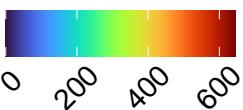
Cell Type 2

IBA1+ tumor cells
 memory CD4+ T cells
 dendritic cells
 Unknown
 B cells
 memory CD8+ T cells
 regulatory T cells
 other APCs
 CD4+ T cells
 effector CD8+ T cells
 NK
 neutrophils
 M1/M0 macrophages
 M2 macrophages
 endothelial cells
 stromal cells
 Ki67+ tumor cells
 tumor cells



Cell Type 1

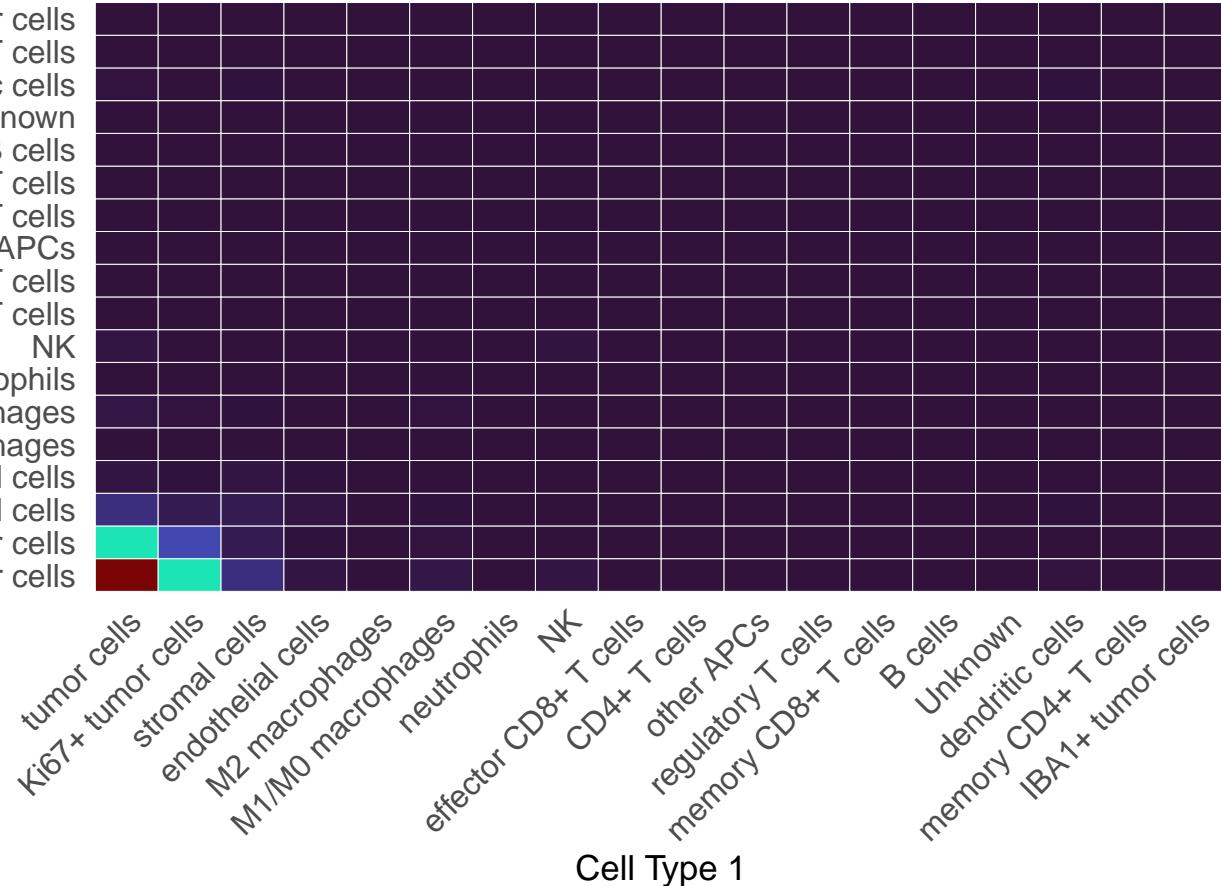
Number of Connections



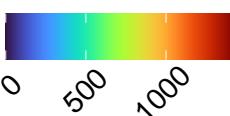
PID 35 – Carcinoma_AGSCC_2_12.csv

Cell Type 2

IBA1+ tumor cells
memory CD4+ T cells
dendritic cells
Unknown
B cells
memory CD8+ T cells
regulatory T cells
other APCs
CD4+ T cells
effector CD8+ T cells
NK
neutrophils
M1/M0 macrophages
M2 macrophages
endothelial cells
stromal cells
Ki67+ tumor cells
tumor cells



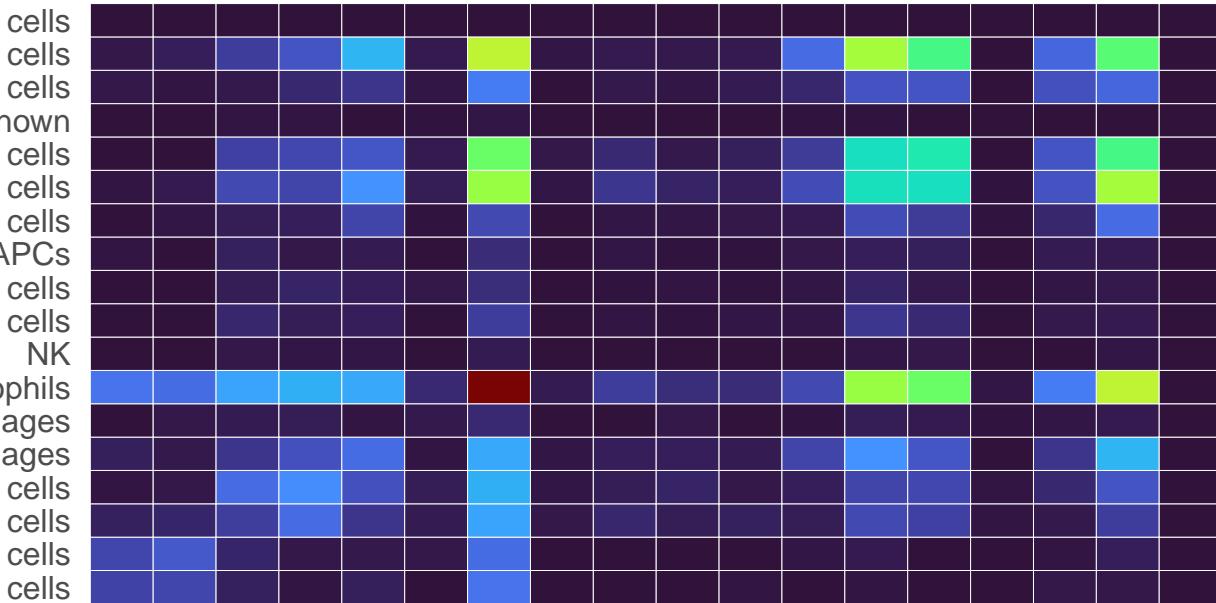
Number of Connections



PID 36 – carcinoma_invasive_F23P1_PRIM_7.csv

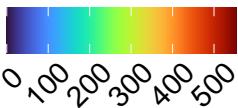
Cell Type 2

- IBA1+ tumor cells
- memory CD4+ T cells
- dendritic cells
- Unknown
- B cells
- memory CD8+ T cells
- regulatory T cells
- other APCs
- CD4+ T cells
- effector CD8+ T cells
- NK
- neutrophils
- M1/M0 macrophages
- M2 macrophages
- endothelial cells
- stromal cells
- Ki67+ tumor cells
- tumor cells



Cell Type 1

Number of Connections



PID 37 – Carcinoma_AGSCC_2_3.csv

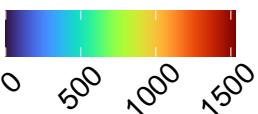
Cell Type 2

IBA1+ tumor cells
memory CD4+ T cells
dendritic cells
Unknown
B cells
memory CD8+ T cells
regulatory T cells
other APCs
CD4+ T cells
effector CD8+ T cells
NK
neutrophils
M1/M0 macrophages
M2 macrophages
endothelial cells
stromal cells
Ki67+ tumor cells
tumor cells

tumor cells
Ki67+ tumor cells
stromal cells
endothelial cells
M2 macrophages
M1/M0 macrophages
neutrophils
NK
effector CD8+ T cells
CD4+ T cells
other APCs
regulatory T cells
memory CD8+ T cells
B cells
Unknown
dendritic cells
memory CD4+ T cells
IBA1+ tumor cells

Cell Type 1

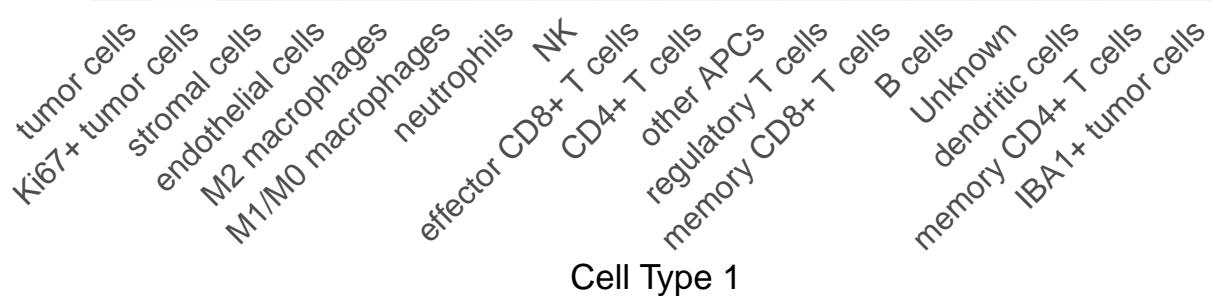
Number of Connections



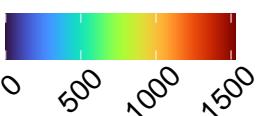
PID 38 – Carcinoma_AGSCC_2_9.csv

Cell Type 2

- IBA1+ tumor cells
- memory CD4+ T cells
- dendritic cells
- Unknown
- B cells
- memory CD8+ T cells
- regulatory T cells
- other APCs
- CD4+ T cells
- effector CD8+ T cells
- NK
- neutrophils
- M1/M0 macrophages
- M2 macrophages
- endothelial cells
- stromal cells
- Ki67+ tumor cells
- tumor cells



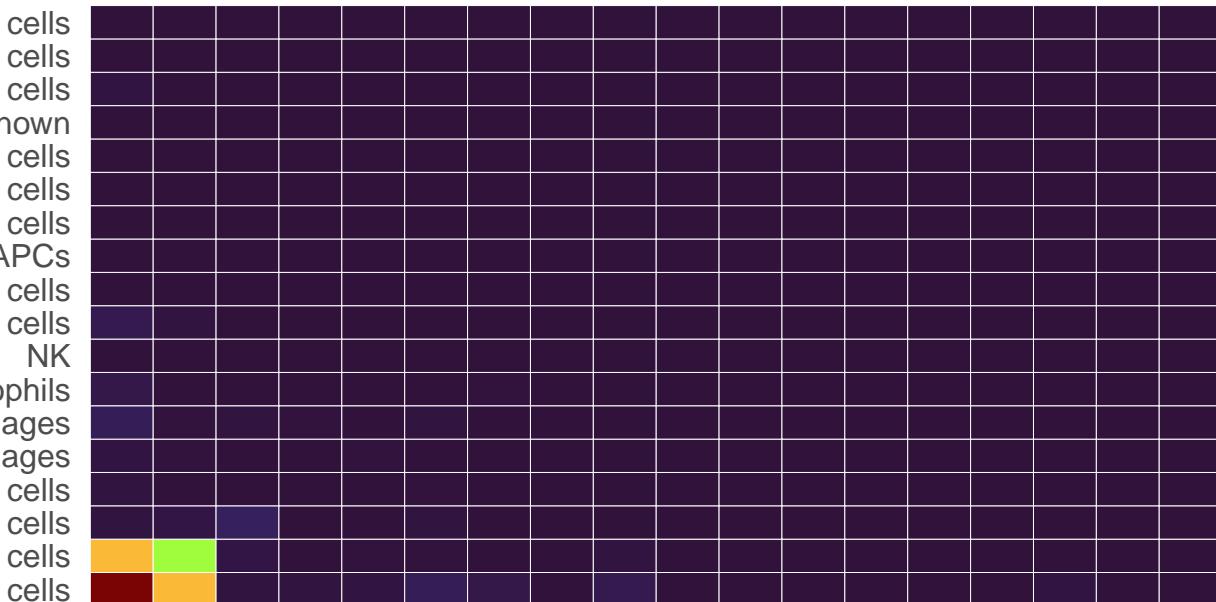
Number of Connections



PID 39 – Carcinoma_AGSCC_2_39.csv

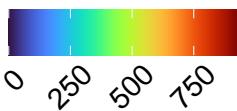
Cell Type 2

- IBA1+ tumor cells
- memory CD4+ T cells
- dendritic cells
- Unknown
- B cells
- memory CD8+ T cells
- regulatory T cells
- other APCs
- CD4+ T cells
- effector CD8+ T cells
- NK
- neutrophils
- M1/M0 macrophages
- M2 macrophages
- endothelial cells
- stromal cells
- Ki67+ tumor cells
- tumor cells



Cell Type 1

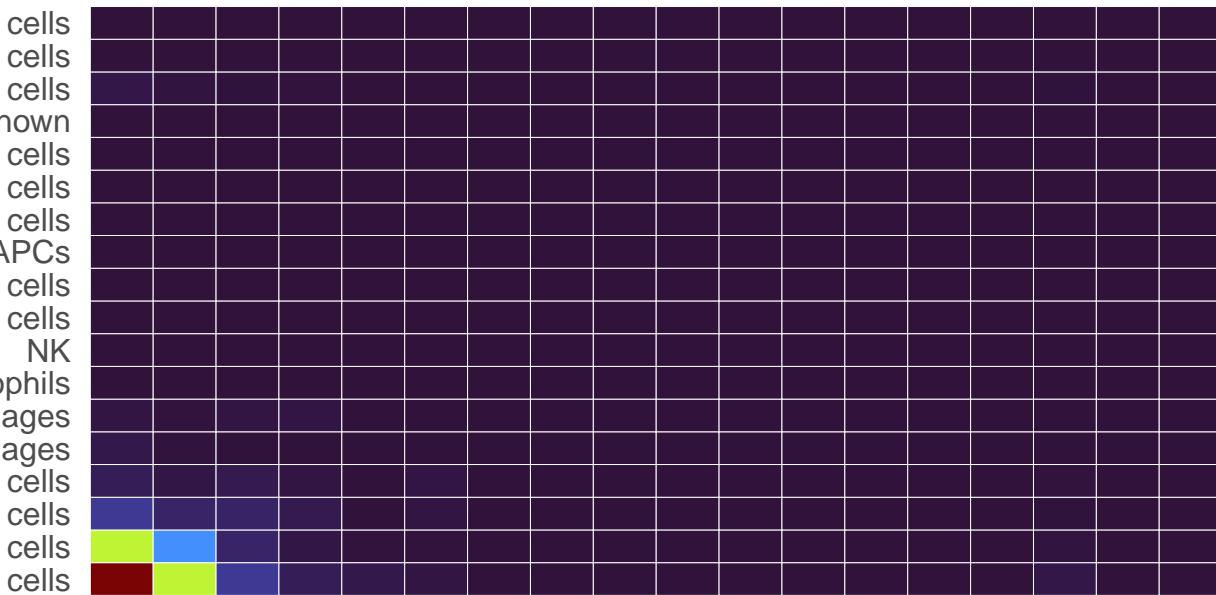
Number of Connections



PID 40 – Carcinoma_AGSCC_2_13.csv

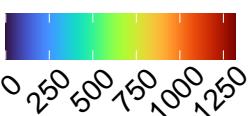
Cell Type 2

IBA1+ tumor cells
 memory CD4+ T cells
 dendritic cells
 Unknown
 B cells
 memory CD8+ T cells
 regulatory T cells
 other APCs
 CD4+ T cells
 effector CD8+ T cells
 NK
 neutrophils
 M1/M0 macrophages
 M2 macrophages
 endothelial cells
 stromal cells
 Ki67+ tumor cells
 tumor cells



Cell Type 1

Number of Connections



PID 41 – carcinoma_invasive_F29P1_2.csv

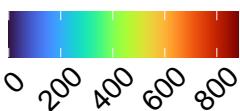
Cell Type 2

IBA1+ tumor cells
memory CD4+ T cells
dendritic cells
Unknown
B cells
memory CD8+ T cells
regulatory T cells
other APCs
CD4+ T cells
effector CD8+ T cells
NK
neutrophils
M1/M0 macrophages
M2 macrophages
endothelial cells
stromal cells
Ki67+ tumor cells
tumor cells

tumor cells
Ki67+ tumor cells
stromal cells
endothelial cells
M2 macrophages
M1/M0 macrophages
neutrophils
NK
effector CD8+ T cells
CD4+ T cells
other APCs
regulatory T cells
memory CD8+ T cells
B cells
Unknown
dendritic cells
memory CD4+ T cells
IBA1+ tumor cells

Cell Type 1

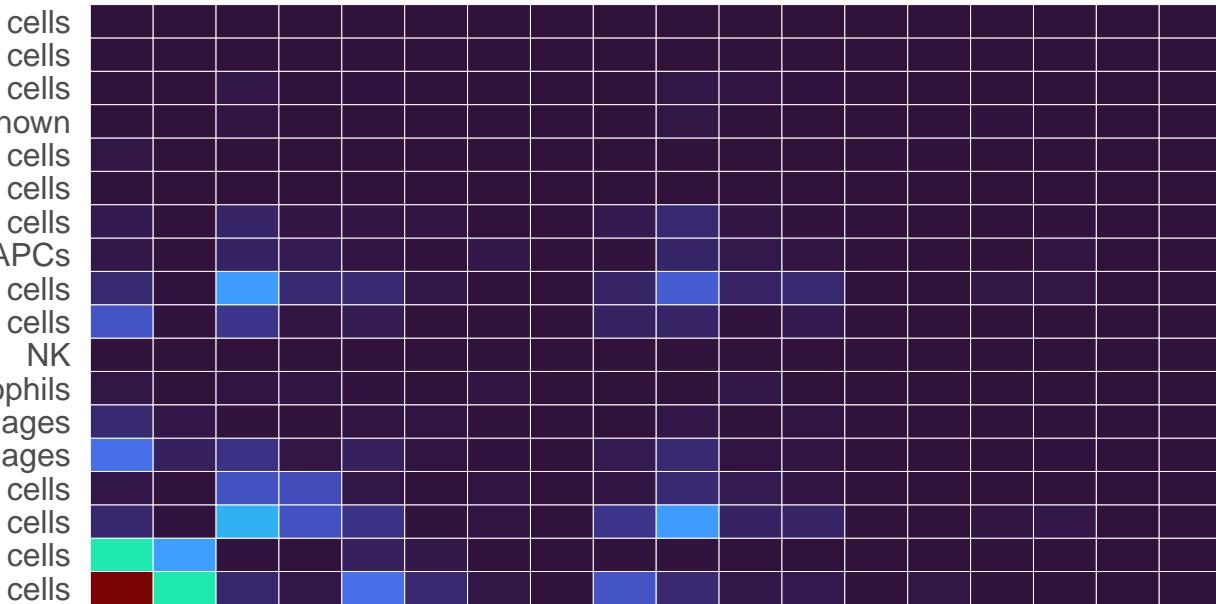
Number of Connections



PID 42 – carcinoma_invasive_and_stroma_FAHNSCC_11B_3.csv

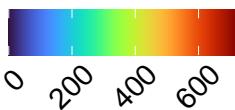
Cell Type 2

IBA1+ tumor cells
 memory CD4+ T cells
 dendritic cells
 Unknown
 B cells
 memory CD8+ T cells
 regulatory T cells
 other APCs
 CD4+ T cells
 effector CD8+ T cells
 NK
 neutrophils
 M1/M0 macrophages
 M2 macrophages
 endothelial cells
 stromal cells
 Ki67+ tumor cells
 tumor cells



Cell Type 1

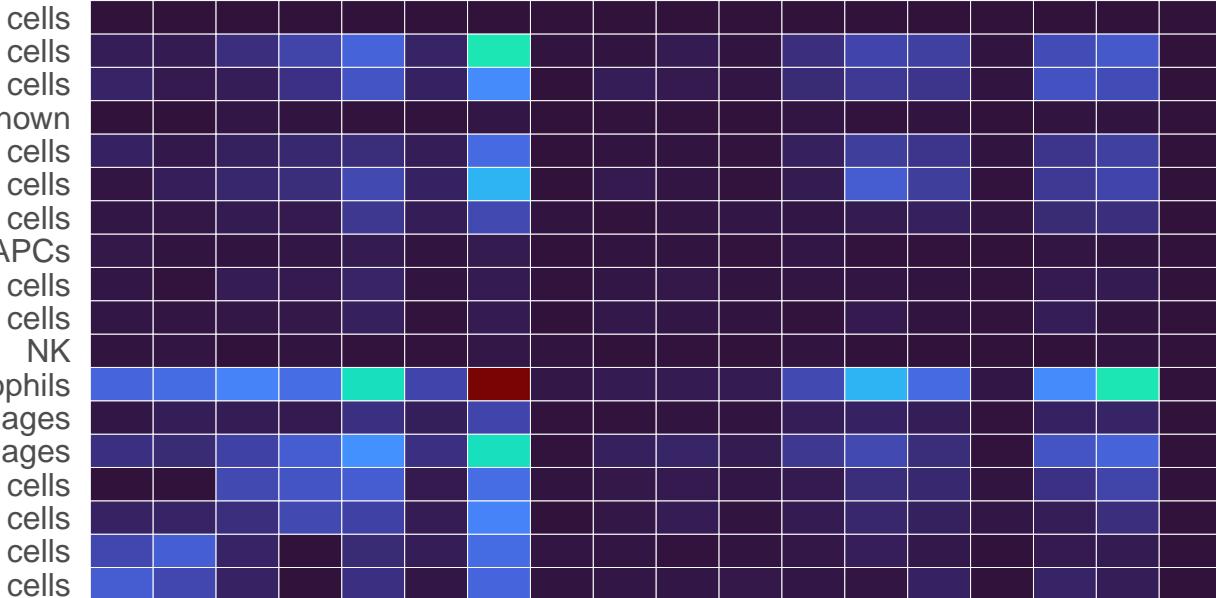
Number of Connections



PID 43 – carcinoma_invasive_F23P1_PRIM_6.csv

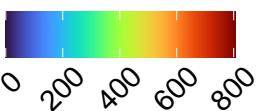
Cell Type 2

IBA1+ tumor cells
 memory CD4+ T cells
 dendritic cells
 Unknown
 B cells
 memory CD8+ T cells
 regulatory T cells
 other APCs
 CD4+ T cells
 effector CD8+ T cells
 NK
 neutrophils
 M1/M0 macrophages
 M2 macrophages
 endothelial cells
 stromal cells
 Ki67+ tumor cells
 tumor cells



Cell Type 1

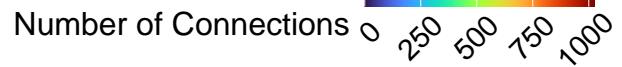
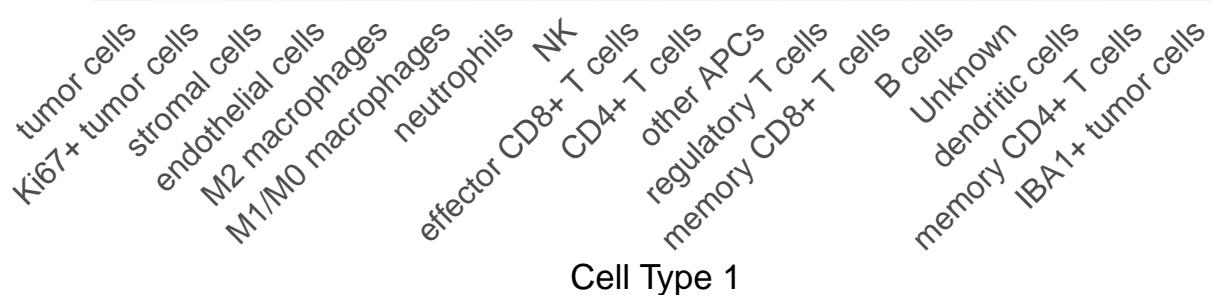
Number of Connections



PID 44 – Carcinoma_AGSCC_2_11.csv

Cell Type 2

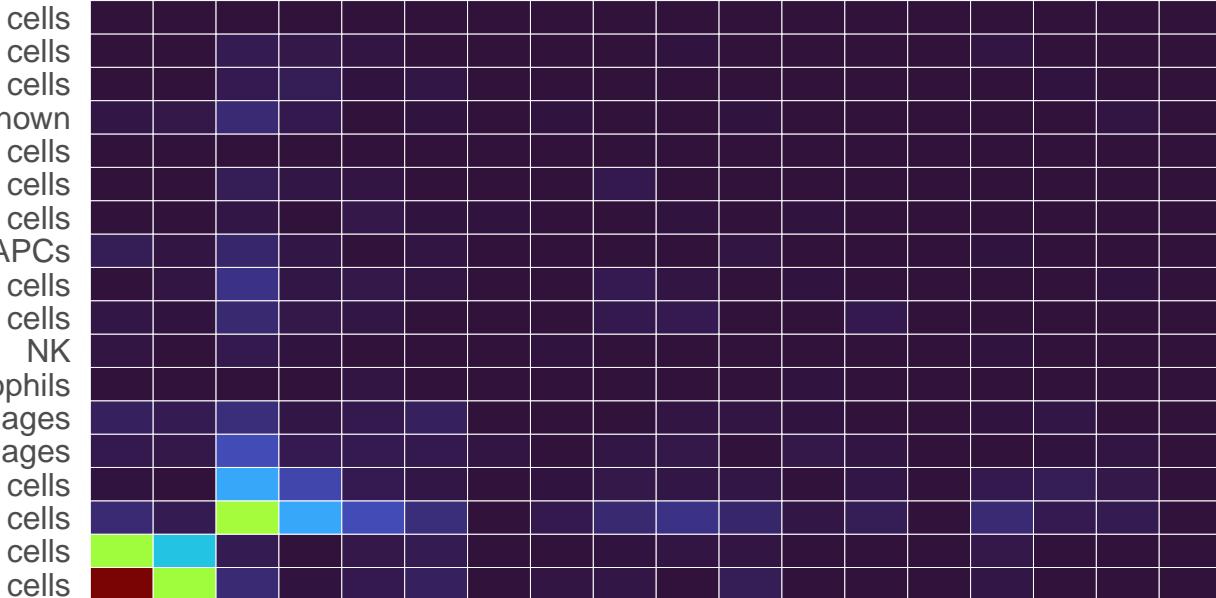
- IBA1+ tumor cells
- memory CD4+ T cells
- dendritic cells
- Unknown
- B cells
- memory CD8+ T cells
- regulatory T cells
- other APCs
- CD4+ T cells
- effector CD8+ T cells
- NK
- neutrophils
- M1/M0 macrophages
- M2 macrophages
- endothelial cells
- stromal cells
- Ki67+ tumor cells
- tumor cells



PID 45 – carcinoma_in_situ_FAHNSCC_15_1.csv

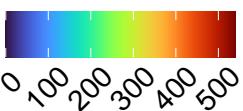
Cell Type 2

IBA1+ tumor cells
 memory CD4+ T cells
 dendritic cells
 Unknown
 B cells
 memory CD8+ T cells
 regulatory T cells
 other APCs
 CD4+ T cells
 effector CD8+ T cells
 NK
 neutrophils
 M1/M0 macrophages
 M2 macrophages
 endothelial cells
 stromal cells
 Ki67+ tumor cells
 tumor cells



Cell Type 1

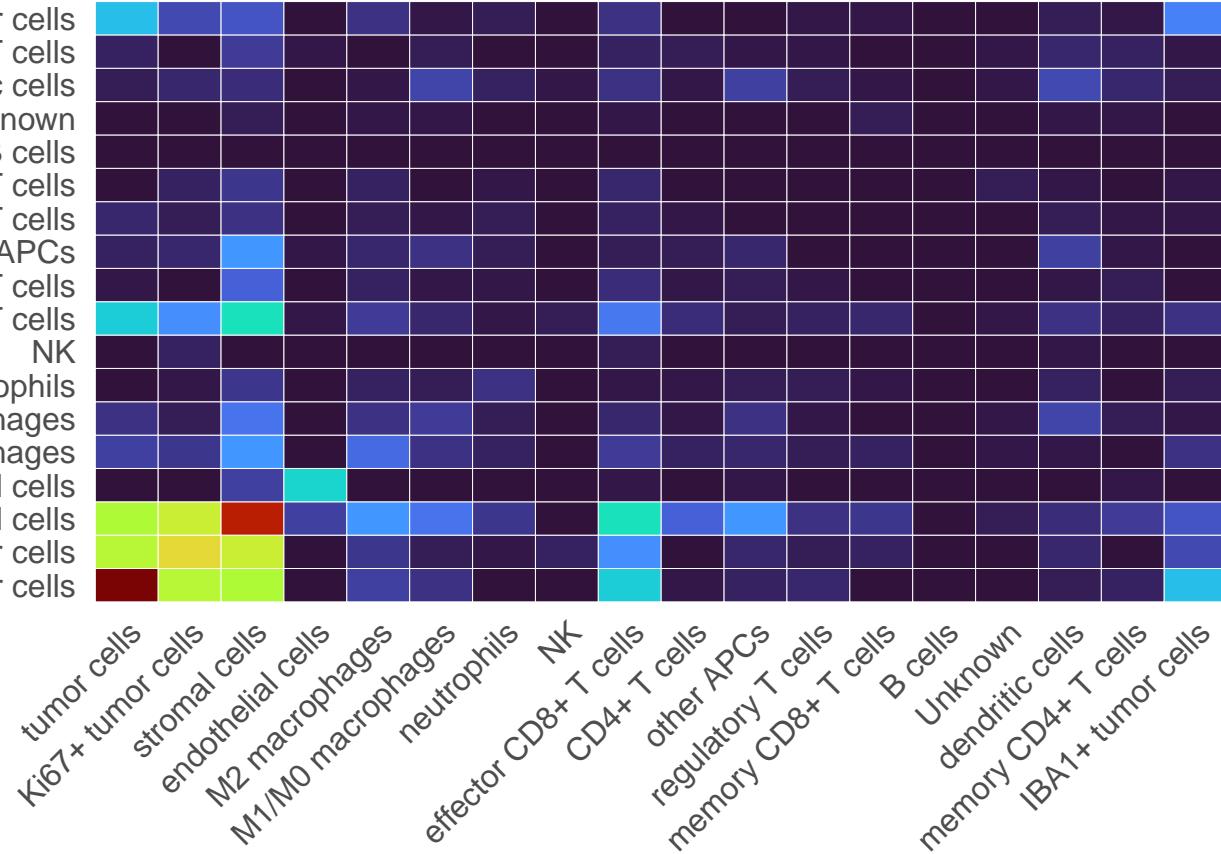
Number of Connections



PID 46 – carcinoma_invasive_F29P1_9.csv

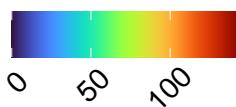
Cell Type 2

IBA1+ tumor cells
 memory CD4+ T cells
 dendritic cells
 Unknown
 B cells
 memory CD8+ T cells
 regulatory T cells
 other APCs
 CD4+ T cells
 effector CD8+ T cells
 NK
 neutrophils
 M1/M0 macrophages
 M2 macrophages
 endothelial cells
 stromal cells
 Ki67+ tumor cells
 tumor cells



Cell Type 1

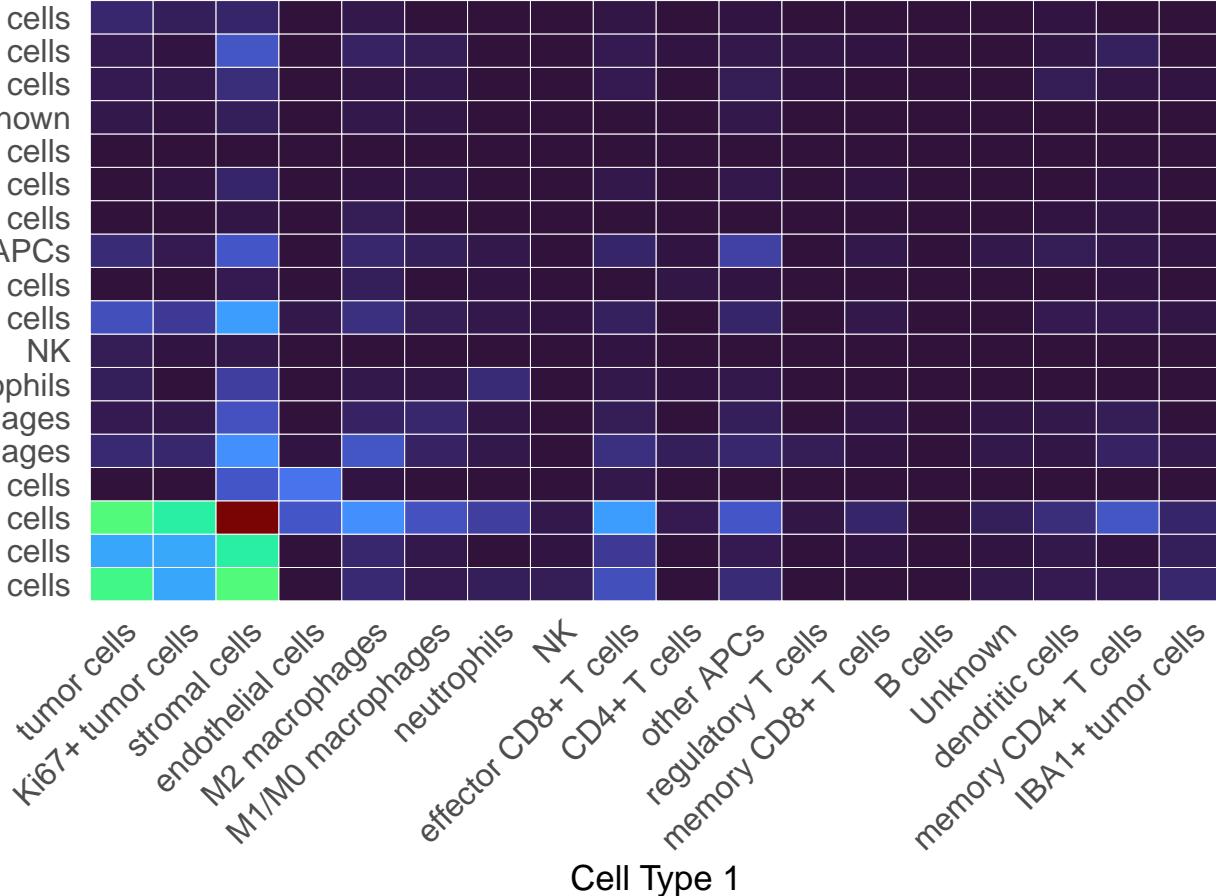
Number of Connections



PID 47 – carcinoma_invasive_F29P1_4.csv

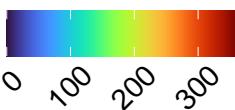
Cell Type 2

IBA1+ tumor cells
 memory CD4+ T cells
 dendritic cells
 Unknown
 B cells
 memory CD8+ T cells
 regulatory T cells
 other APCs
 CD4+ T cells
 effector CD8+ T cells
 NK
 neutrophils
 M1/M0 macrophages
 M2 macrophages
 endothelial cells
 stromal cells
 Ki67+ tumor cells
 tumor cells



Cell Type 1

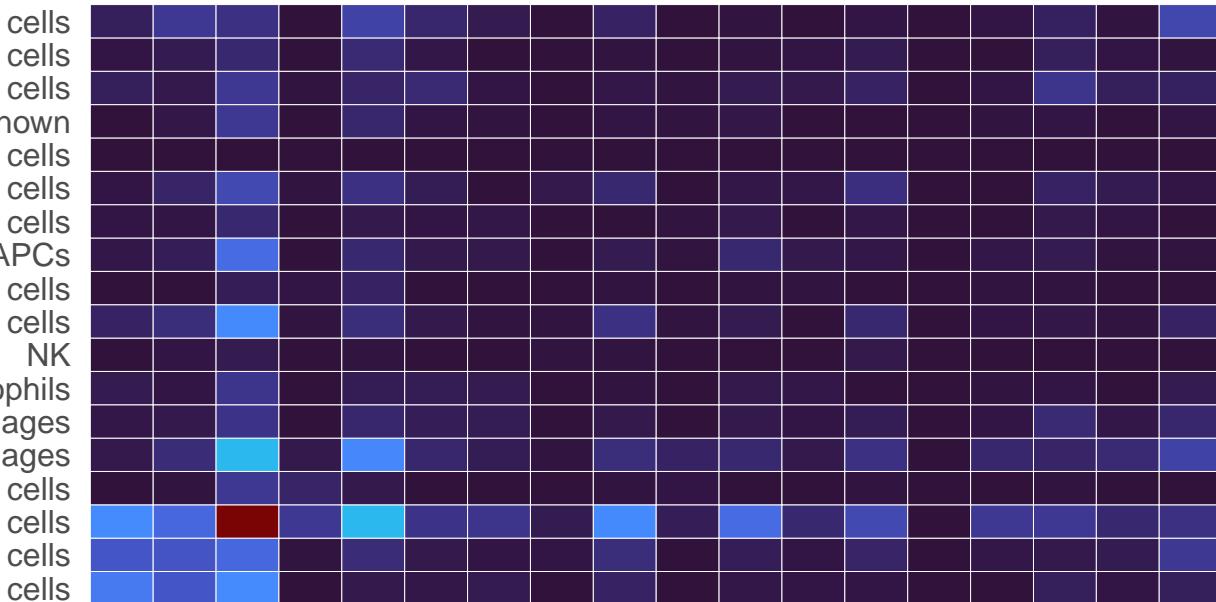
Number of Connections



PID 48 – carcinoma_invasive_F29P1_5.csv

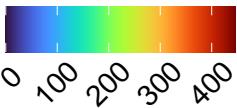
Cell Type 2

- IBA1+ tumor cells
- memory CD4+ T cells
- dendritic cells
- Unknown
- B cells
- memory CD8+ T cells
- regulatory T cells
- other APCs
- CD4+ T cells
- effector CD8+ T cells
- NK
- neutrophils
- M1/M0 macrophages
- M2 macrophages
- endothelial cells
- stromal cells
- Ki67+ tumor cells
- tumor cells

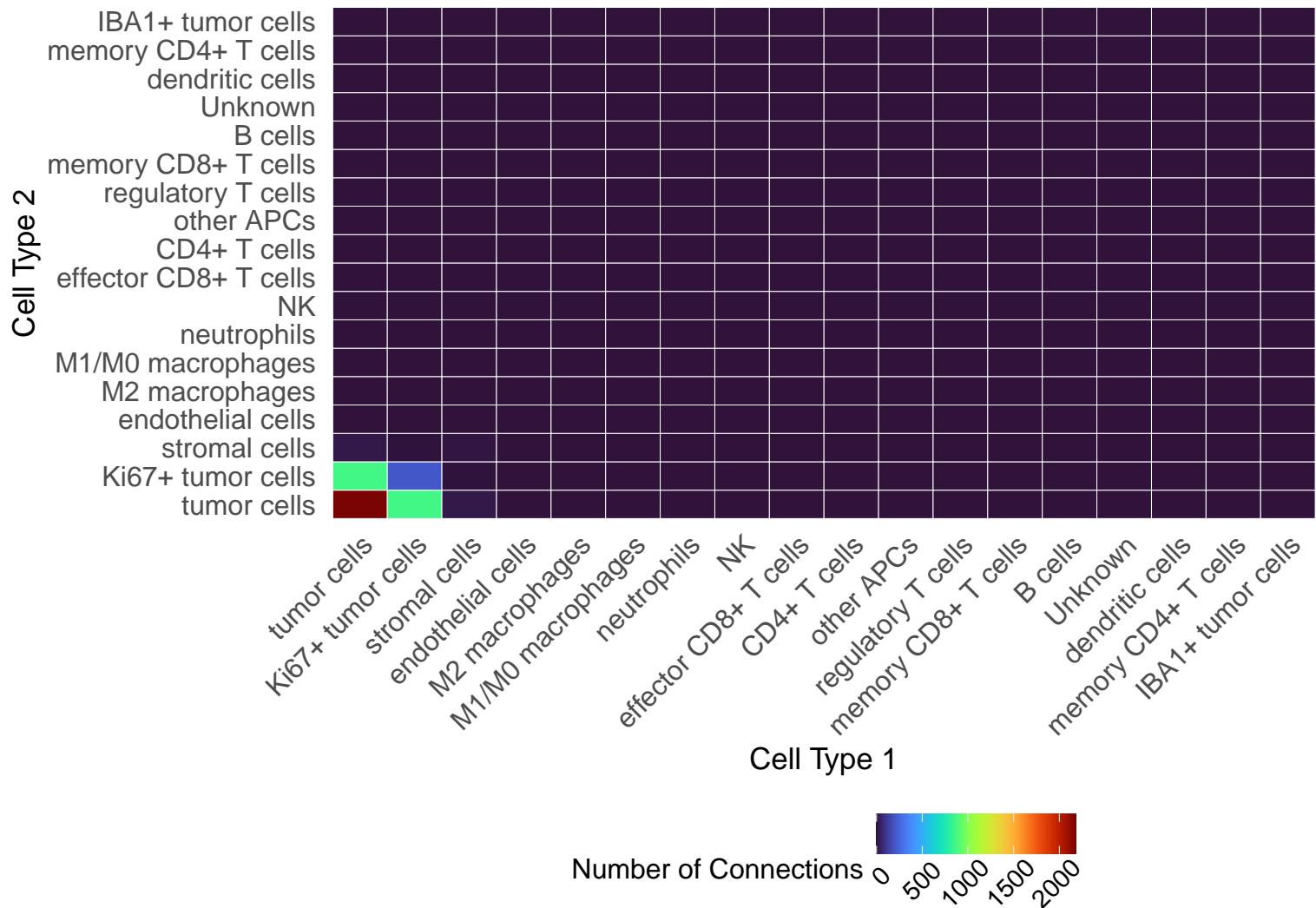


Cell Type 1

Number of Connections



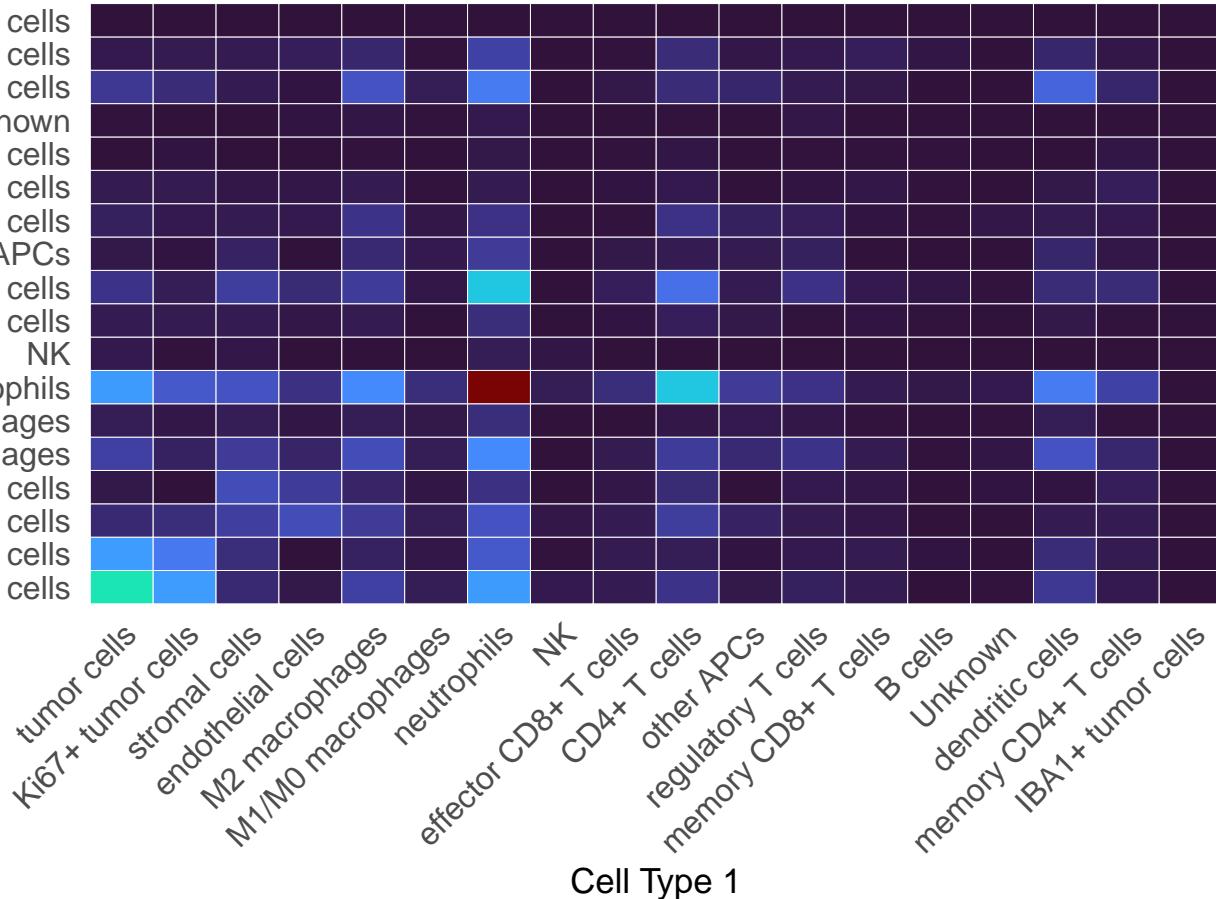
PID 49 – Carcinoma AGSCC 2 32.csv



PID 50 – carcinoma_invasive_F23P1_PRIM_3.csv

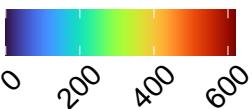
Cell Type 2

IBA1+ tumor cells
 memory CD4+ T cells
 dendritic cells
 Unknown
 B cells
 memory CD8+ T cells
 regulatory T cells
 other APCs
 CD4+ T cells
 effector CD8+ T cells
 NK
 neutrophils
 M1/M0 macrophages
 M2 macrophages
 endothelial cells
 stromal cells
 Ki67+ tumor cells
 tumor cells



Cell Type 1

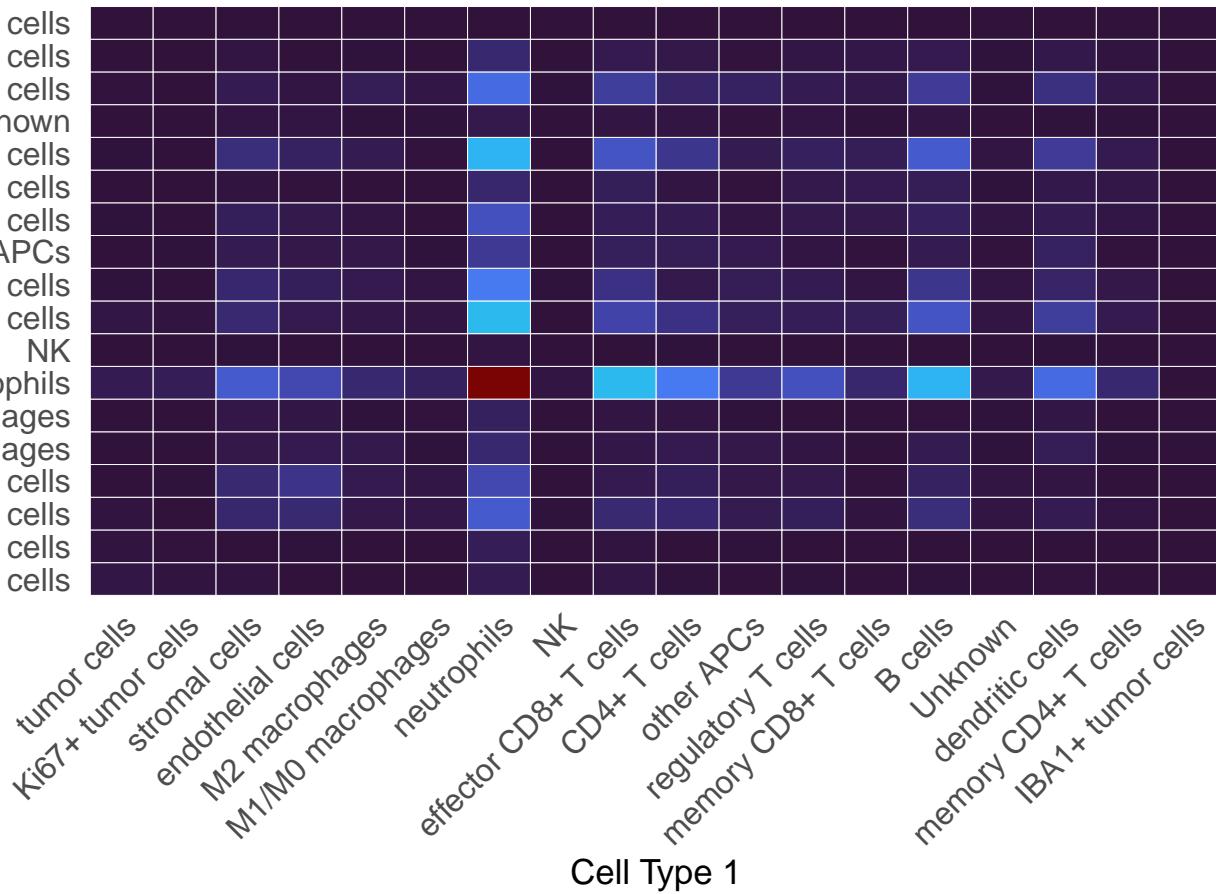
Number of Connections



PID 51 – carcinoma_invasive_F23P1_PRIM_11.csv

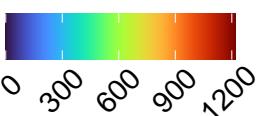
Cell Type 2

- IBA1+ tumor cells
- memory CD4+ T cells
- dendritic cells
- Unknown
- B cells
- memory CD8+ T cells
- regulatory T cells
- other APCs
- CD4+ T cells
- effector CD8+ T cells
- NK
- neutrophils
- M1/M0 macrophages
- M2 macrophages
- endothelial cells
- stromal cells
- Ki67+ tumor cells
- tumor cells



Cell Type 1

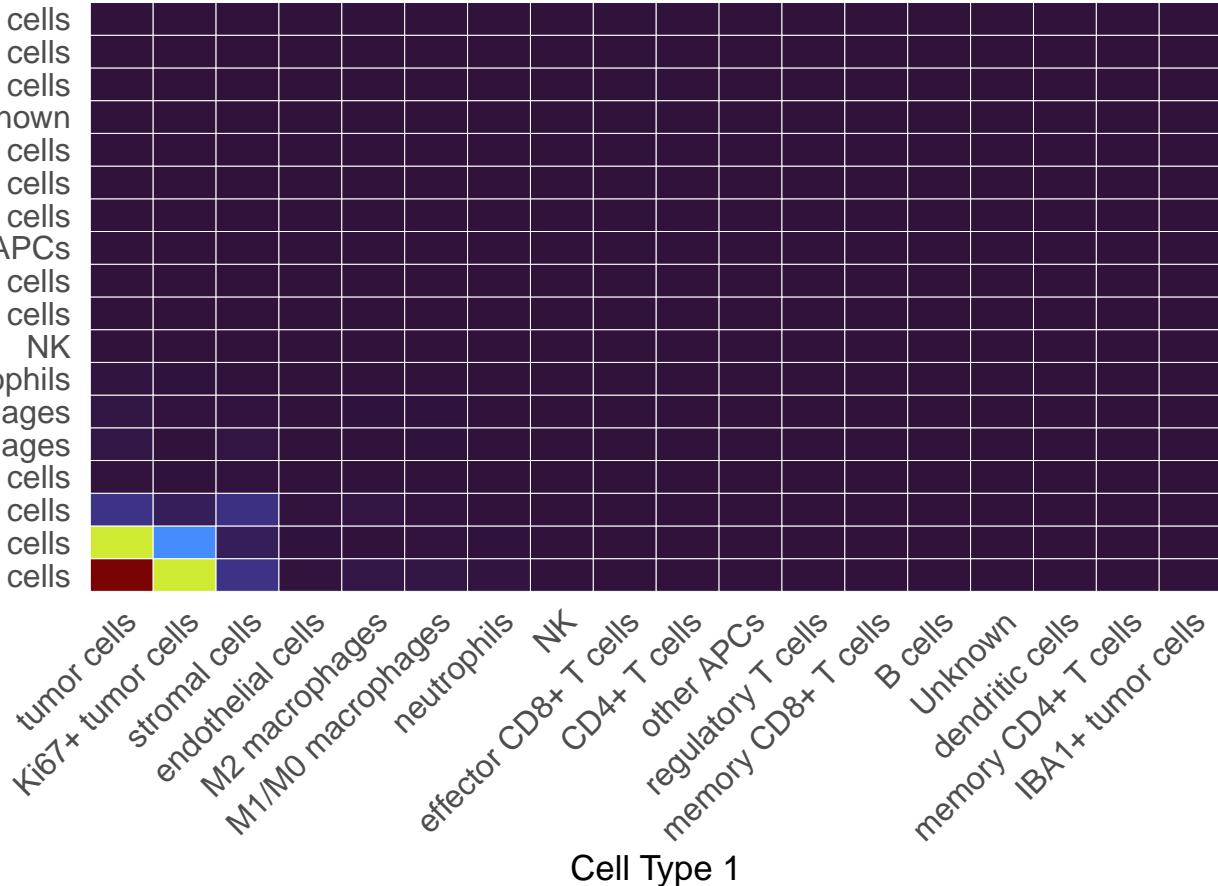
Number of Connections



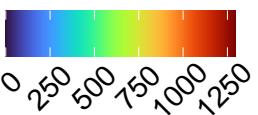
PID 52 – Carcinoma_AGSCC_2_10.csv

Cell Type 2

IBA1+ tumor cells
memory CD4+ T cells
dendritic cells
Unknown
B cells
memory CD8+ T cells
regulatory T cells
other APCs
CD4+ T cells
effector CD8+ T cells
NK
neutrophils
M1/M0 macrophages
M2 macrophages
endothelial cells
stromal cells
Ki67+ tumor cells
tumor cells



Number of Connections



PID 53 – Carcinoma_AGSCC_2_25.csv

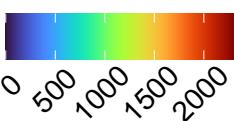
Cell Type 2

- IBA1+ tumor cells
- memory CD4+ T cells
- dendritic cells
- Unknown
- B cells
- memory CD8+ T cells
- regulatory T cells
- other APCs
- CD4+ T cells
- effector CD8+ T cells
- NK
- neutrophils
- M1/M0 macrophages
- M2 macrophages
- endothelial cells
- stromal cells
- Ki67+ tumor cells
- tumor cells

tumor cells
 Ki67+ tumor cells
 stromal cells
 endothelial cells
 M2 macrophages
 M1/M0 macrophages
 neutrophils
 NK
 effector CD8+ T cells
 CD4+ T cells
 other APCs
 regulatory T cells
 memory CD8+ T cells
 B cells
 Unknown
 dendritic cells
 memory CD4+ T cells
 IBA1+ tumor cells

Cell Type 1

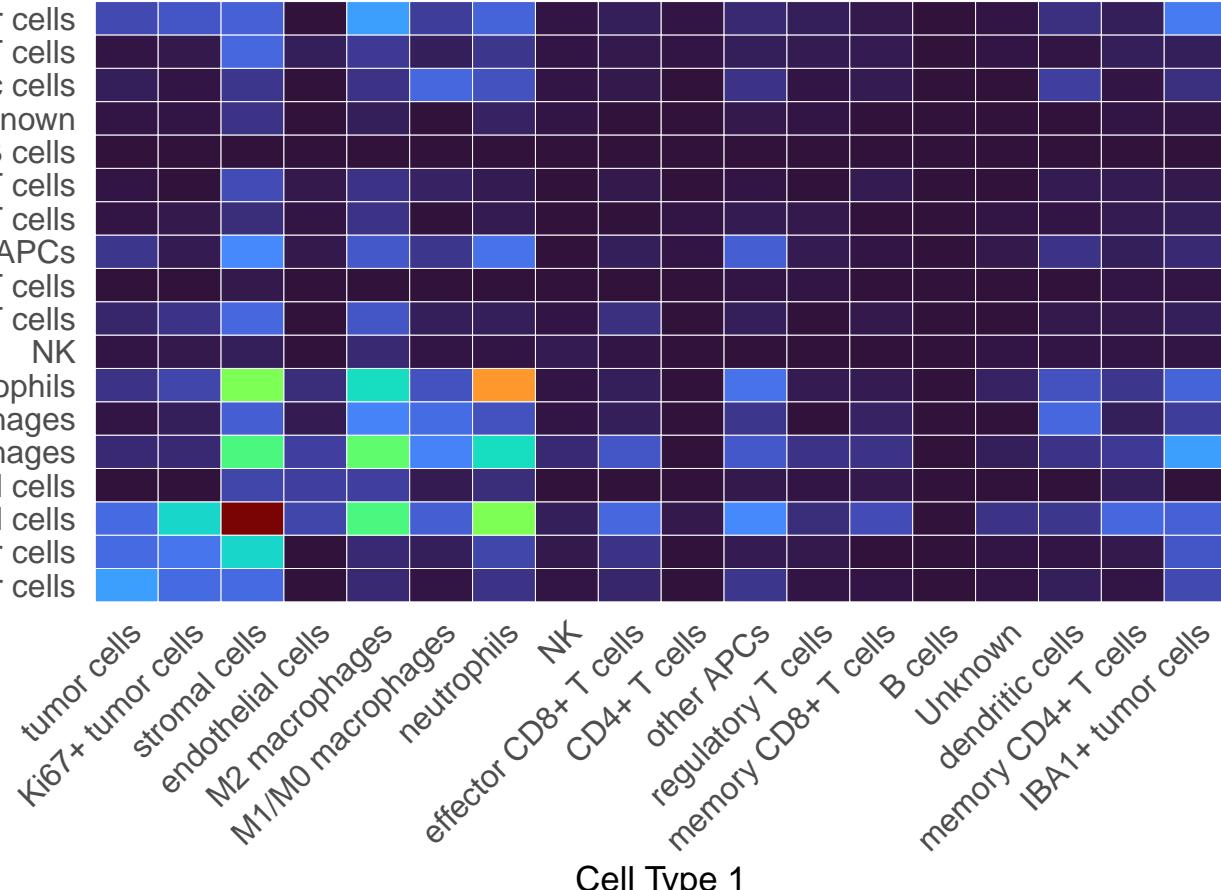
Number of Connections



PID 54 – carcinoma_invasive_F29P1_12.csv

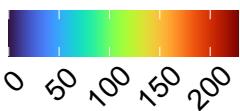
Cell Type 2

IBA1+ tumor cells
 memory CD4+ T cells
 dendritic cells
 Unknown
 B cells
 memory CD8+ T cells
 regulatory T cells
 other APCs
 CD4+ T cells
 effector CD8+ T cells
 NK
 neutrophils
 M1/M0 macrophages
 M2 macrophages
 endothelial cells
 stromal cells
 Ki67+ tumor cells
 tumor cells



Cell Type 1

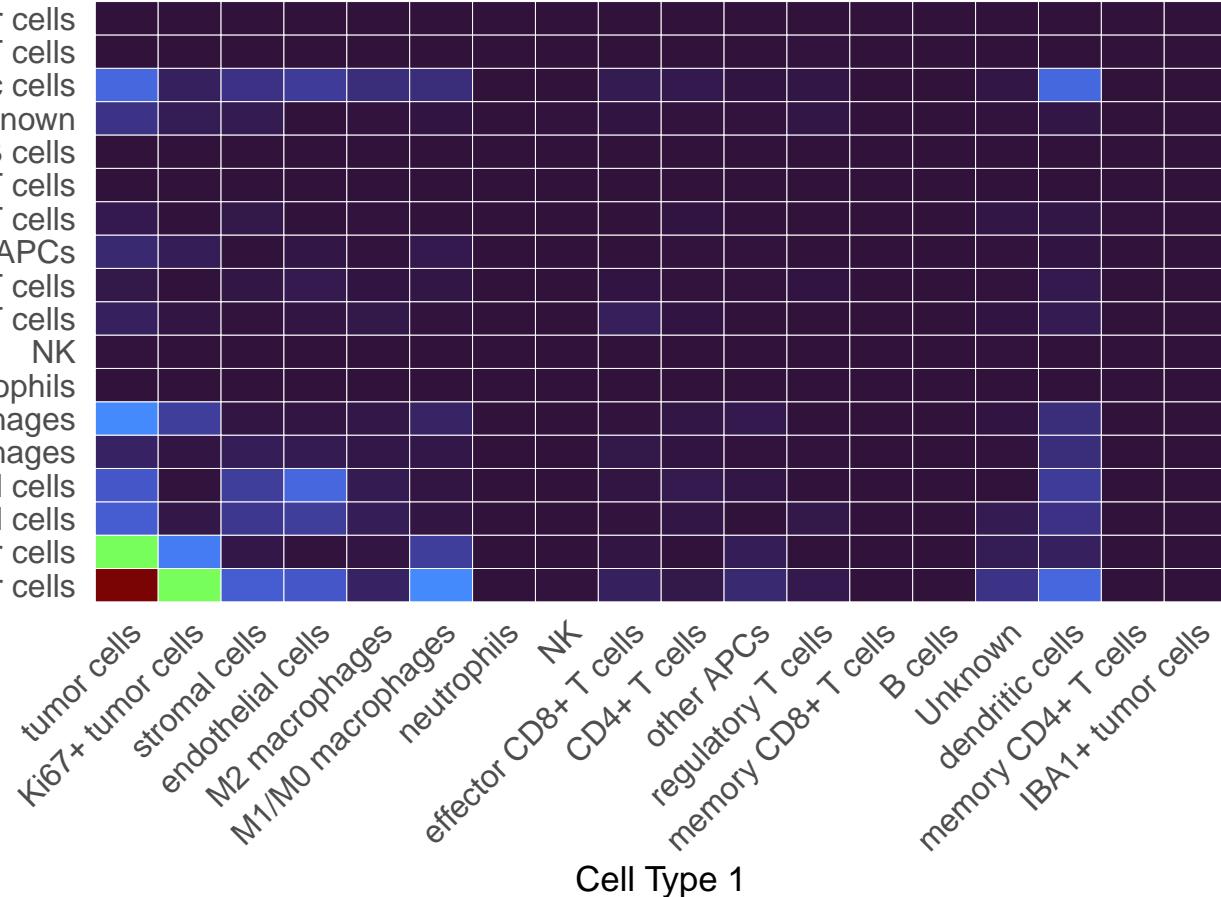
Number of Connections



PID 55 – Carcinoma_FAHNSCC_15_1.csv

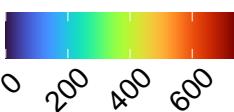
Cell Type 2

IBA1+ tumor cells
 memory CD4+ T cells
 dendritic cells
 Unknown
 B cells
 memory CD8+ T cells
 regulatory T cells
 other APCs
 CD4+ T cells
 effector CD8+ T cells
 NK
 neutrophils
 M1/M0 macrophages
 M2 macrophages
 endothelial cells
 stromal cells
 Ki67+ tumor cells
 tumor cells



Cell Type 1

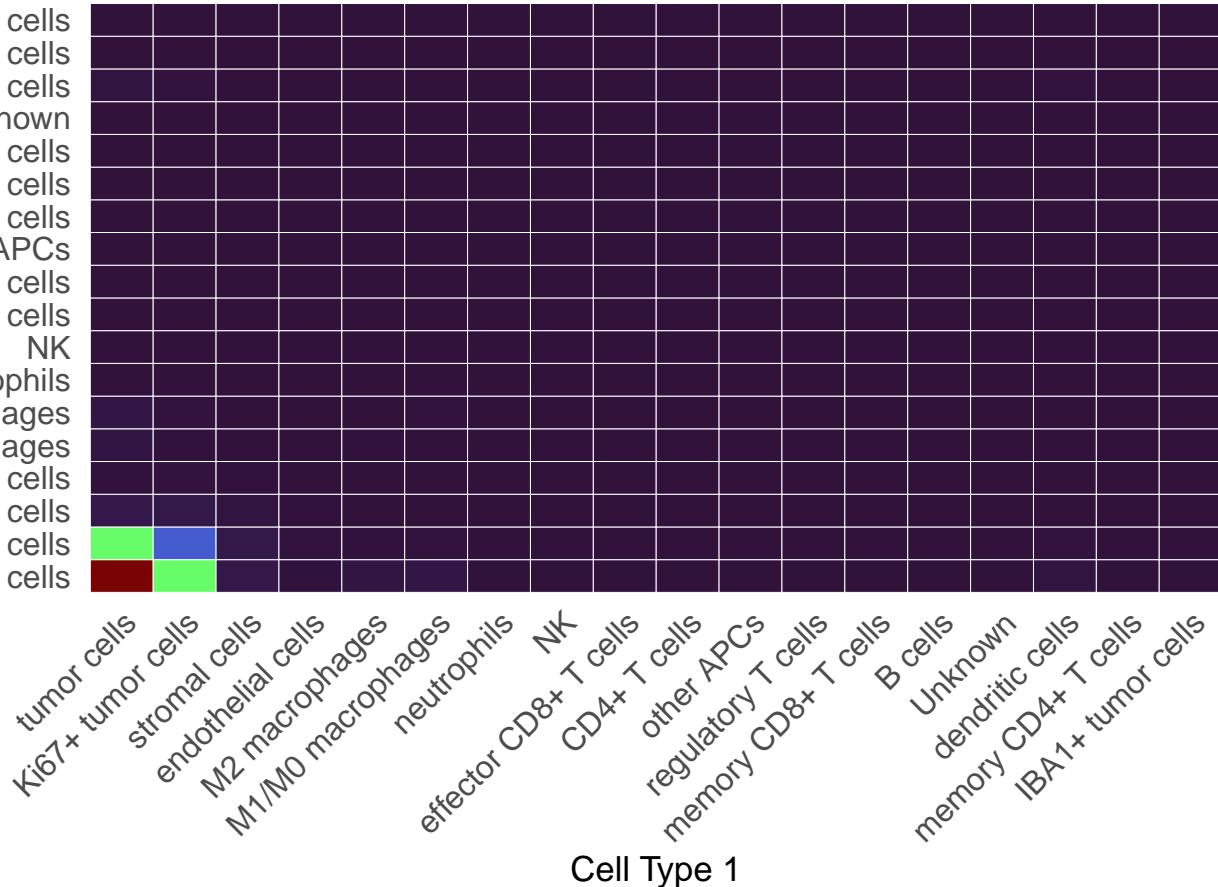
Number of Connections



PID 56 – Carcinoma_AGSCC_2_24.csv

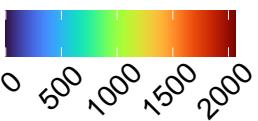
Cell Type 2

IBA1+ tumor cells
memory CD4+ T cells
dendritic cells
Unknown
B cells
memory CD8+ T cells
regulatory T cells
other APCs
CD4+ T cells
effector CD8+ T cells
NK
neutrophils
M1/M0 macrophages
M2 macrophages
endothelial cells
stromal cells
Ki67+ tumor cells
tumor cells



Cell Type 1

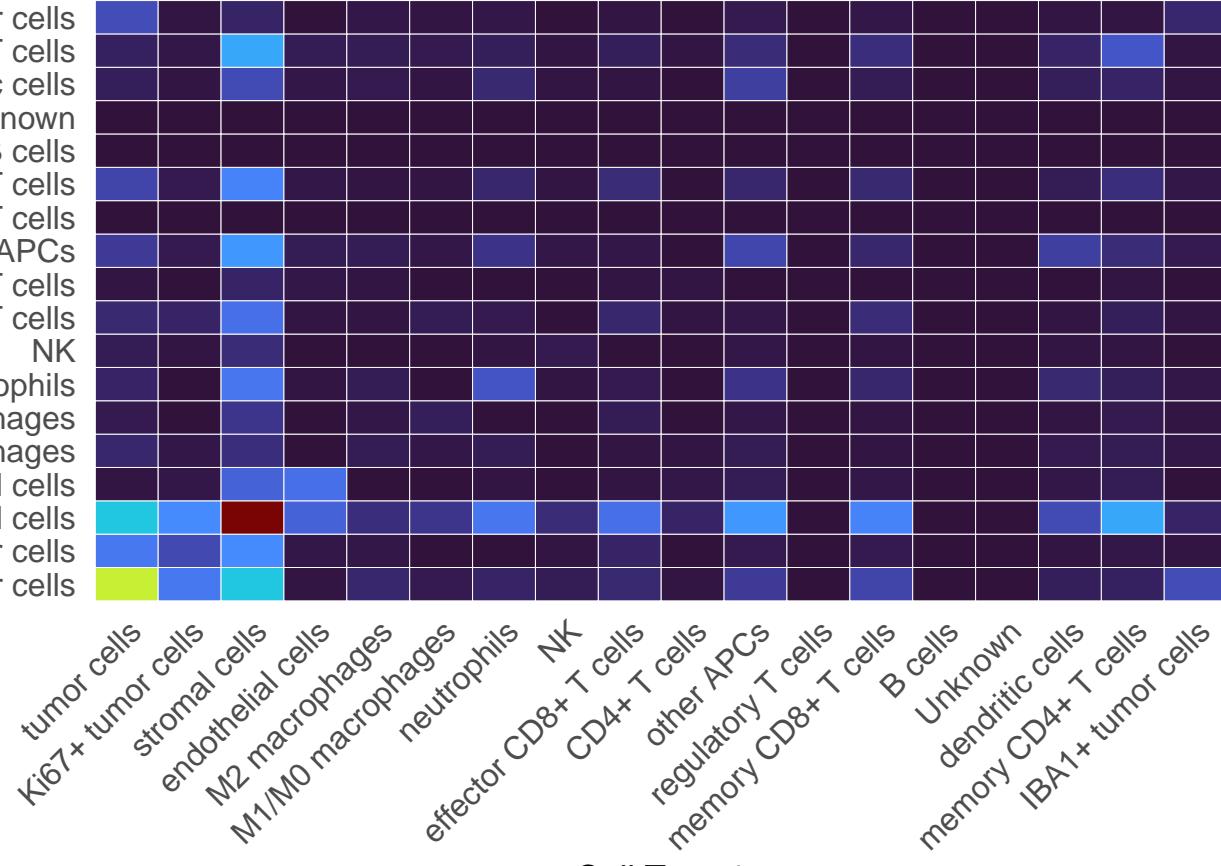
Number of Connections



PID 57 – carcinoma_invasive_F29P1_10.csv

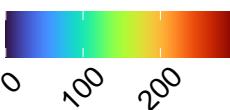
Cell Type 2

IBA1+ tumor cells
 memory CD4+ T cells
 dendritic cells
 Unknown
 B cells
 memory CD8+ T cells
 regulatory T cells
 other APCs
 CD4+ T cells
 effector CD8+ T cells
 NK
 neutrophils
 M1/M0 macrophages
 M2 macrophages
 endothelial cells
 stromal cells
 Ki67+ tumor cells
 tumor cells



Cell Type 1

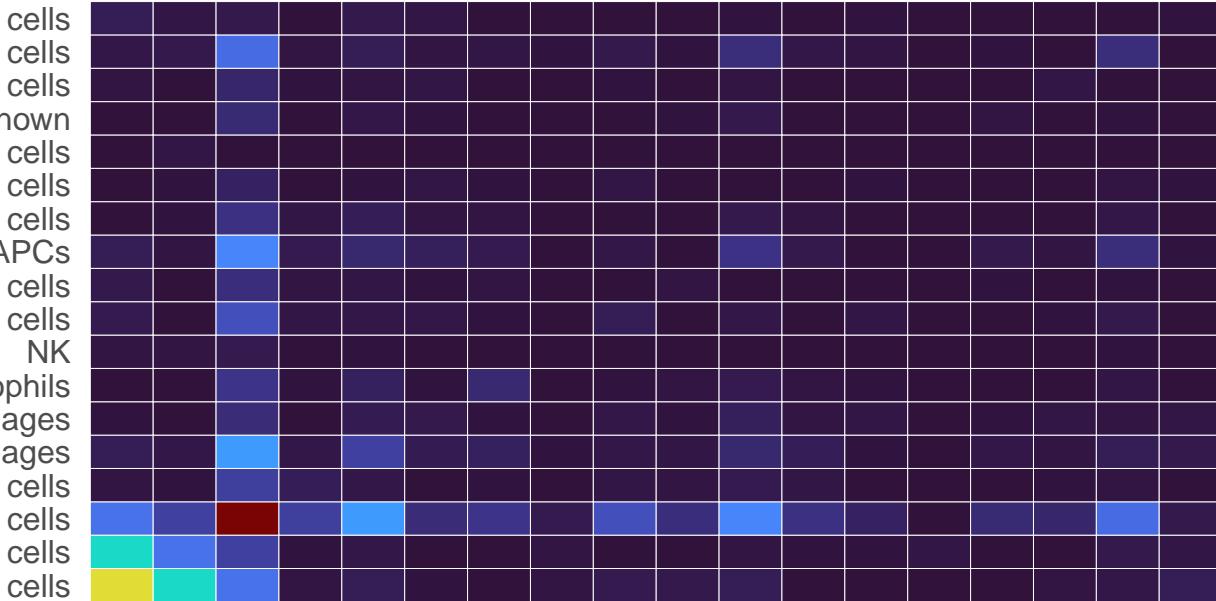
Number of Connections



PID 58 – carcinoma_invasive_F29P1_3.csv

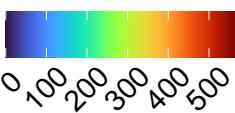
Cell Type 2

IBA1+ tumor cells
 memory CD4+ T cells
 dendritic cells
 Unknown
 B cells
 memory CD8+ T cells
 regulatory T cells
 other APCs
 CD4+ T cells
 effector CD8+ T cells
 NK
 neutrophils
 M1/M0 macrophages
 M2 macrophages
 endothelial cells
 stromal cells
 Ki67+ tumor cells
 tumor cells



Cell Type 1

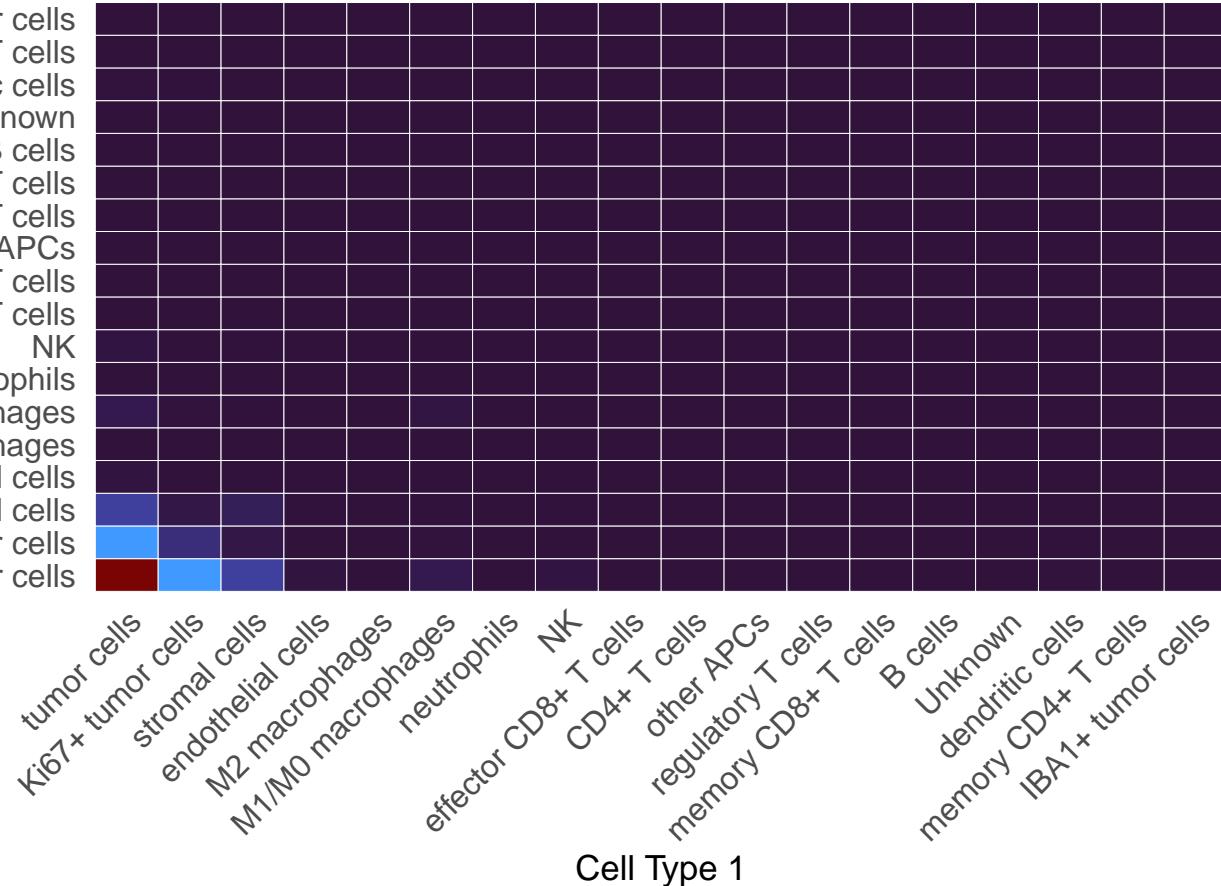
Number of Connections



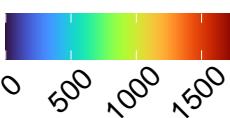
PID 59 – Carcinoma_AGSCC_2_14.csv

Cell Type 2

IBA1+ tumor cells
memory CD4+ T cells
dendritic cells
Unknown
B cells
memory CD8+ T cells
regulatory T cells
other APCs
CD4+ T cells
effector CD8+ T cells
NK
neutrophils
M1/M0 macrophages
M2 macrophages
endothelial cells
stromal cells
Ki67+ tumor cells
tumor cells



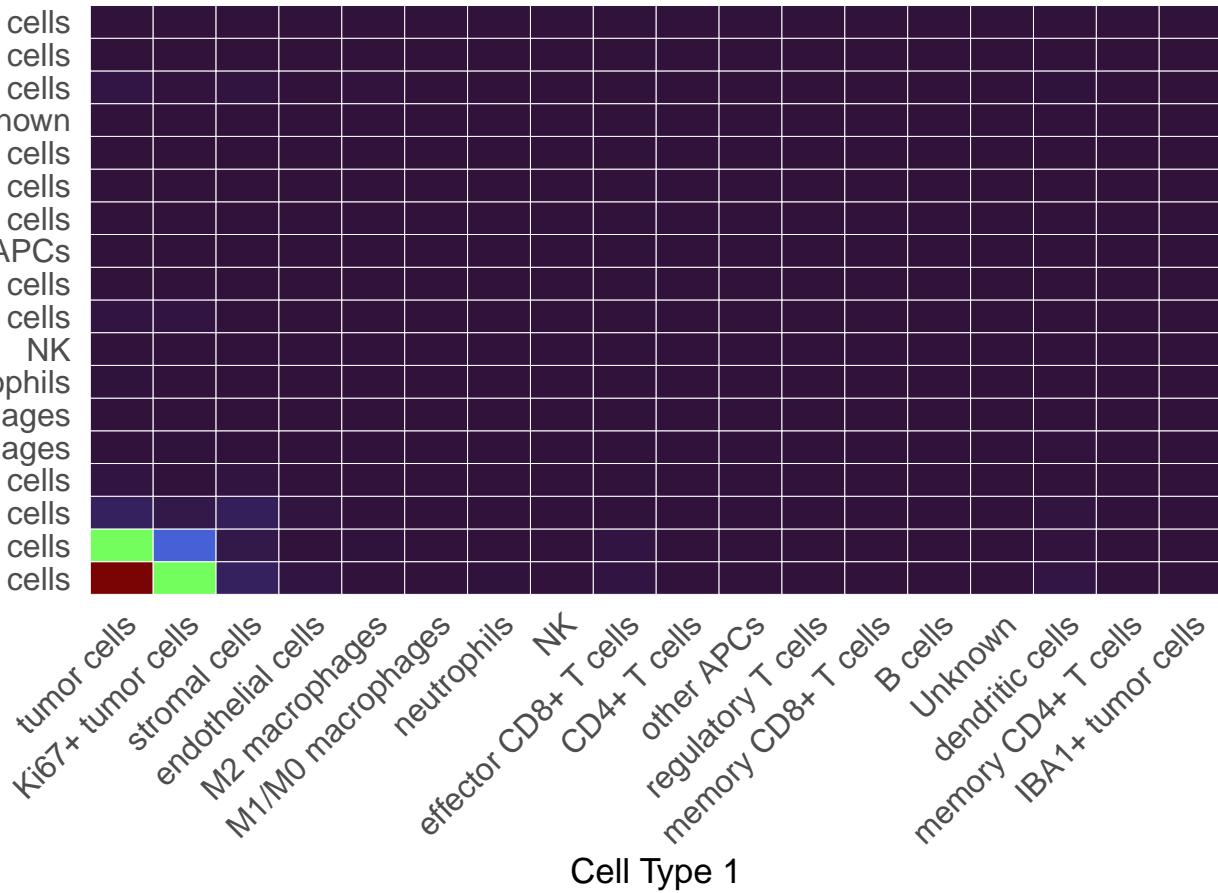
Number of Connections



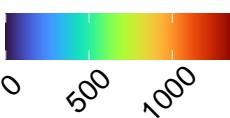
PID 60 – Carcinoma_AGSCC_2_18.csv

Cell Type 2

IBA1+ tumor cells
memory CD4+ T cells
dendritic cells
Unknown
B cells
memory CD8+ T cells
regulatory T cells
other APCs
CD4+ T cells
effector CD8+ T cells
NK
neutrophils
M1/M0 macrophages
M2 macrophages
endothelial cells
stromal cells
Ki67+ tumor cells
tumor cells



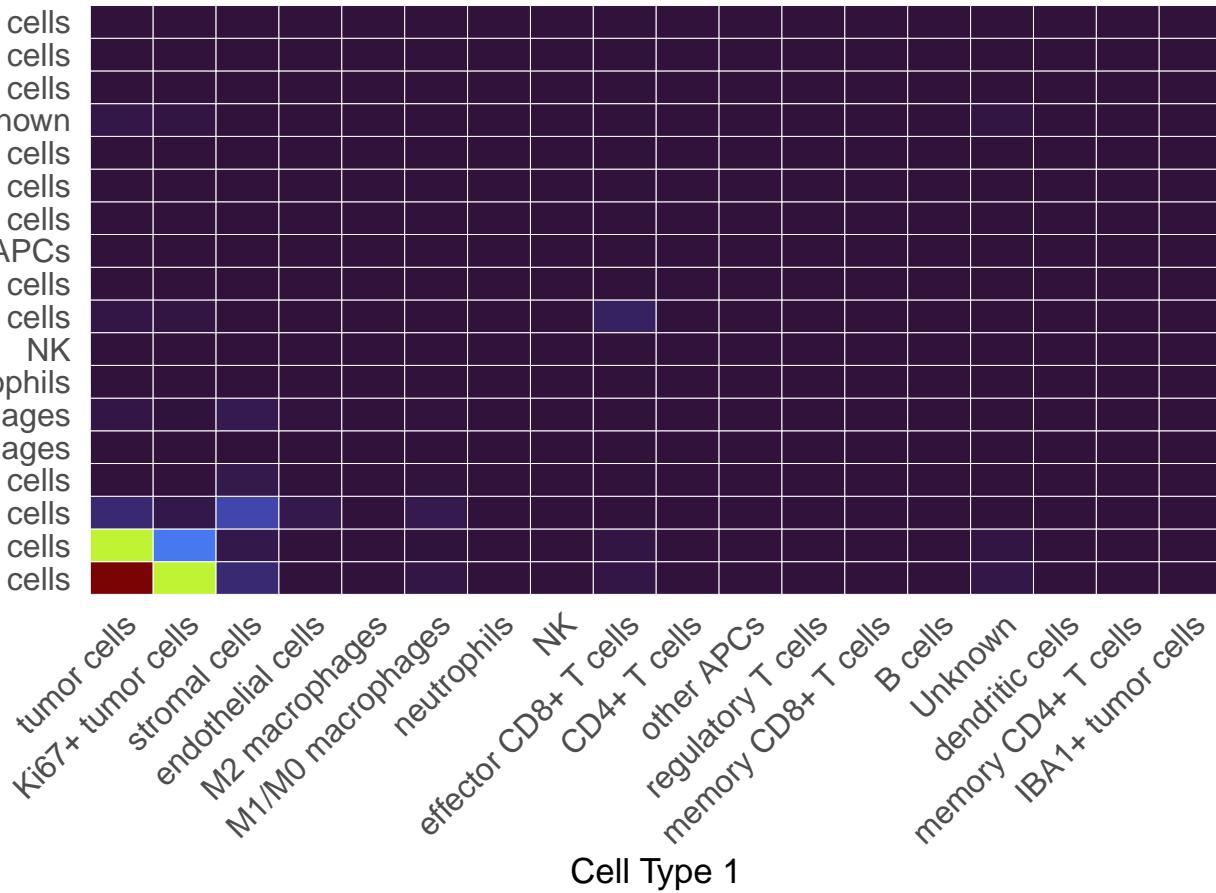
Number of Connections



PID 61 – Carcinoma_AGSCC_2_23.csv

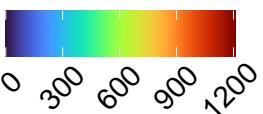
Cell Type 2

- IBA1+ tumor cells
- memory CD4+ T cells
- dendritic cells
- Unknown
- B cells
- memory CD8+ T cells
- regulatory T cells
- other APCs
- CD4+ T cells
- effector CD8+ T cells
- NK
- neutrophils
- M1/M0 macrophages
- M2 macrophages
- endothelial cells
- stromal cells
- Ki67+ tumor cells
- tumor cells



Cell Type 1

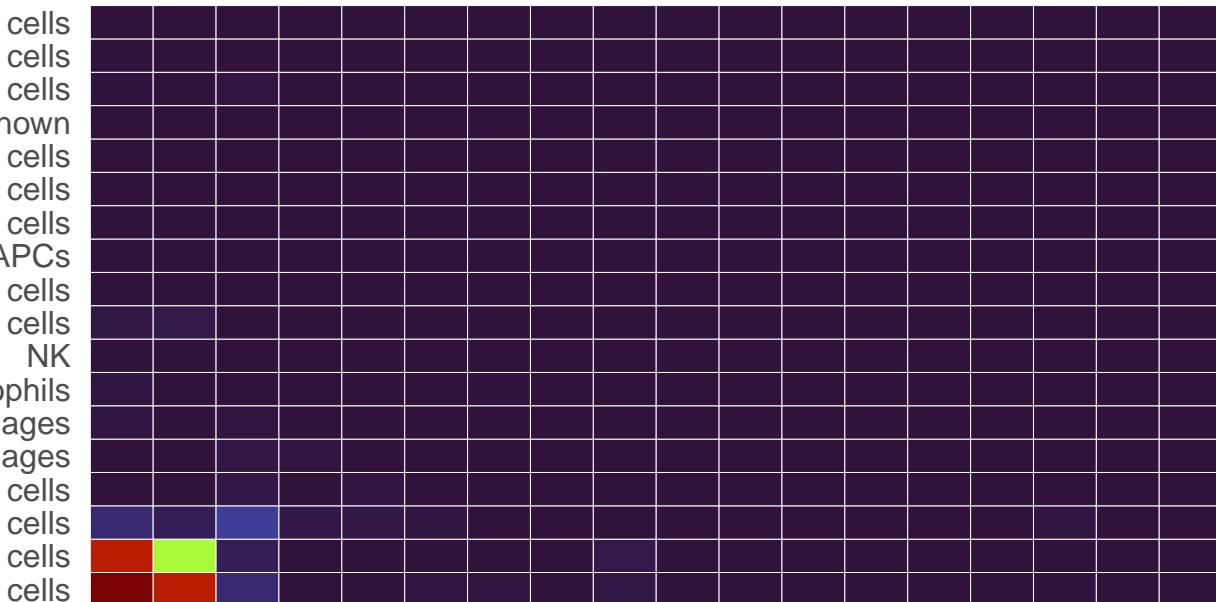
Number of Connections



PID 62 – Carcinoma_AGSCC_2_29.csv

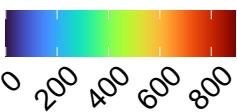
Cell Type 2

- IBA1+ tumor cells
- memory CD4+ T cells
- dendritic cells
- Unknown
- B cells
- memory CD8+ T cells
- regulatory T cells
- other APCs
- CD4+ T cells
- effector CD8+ T cells
- NK
- neutrophils
- M1/M0 macrophages
- M2 macrophages
- endothelial cells
- stromal cells
- Ki67+ tumor cells
- tumor cells



Cell Type 1

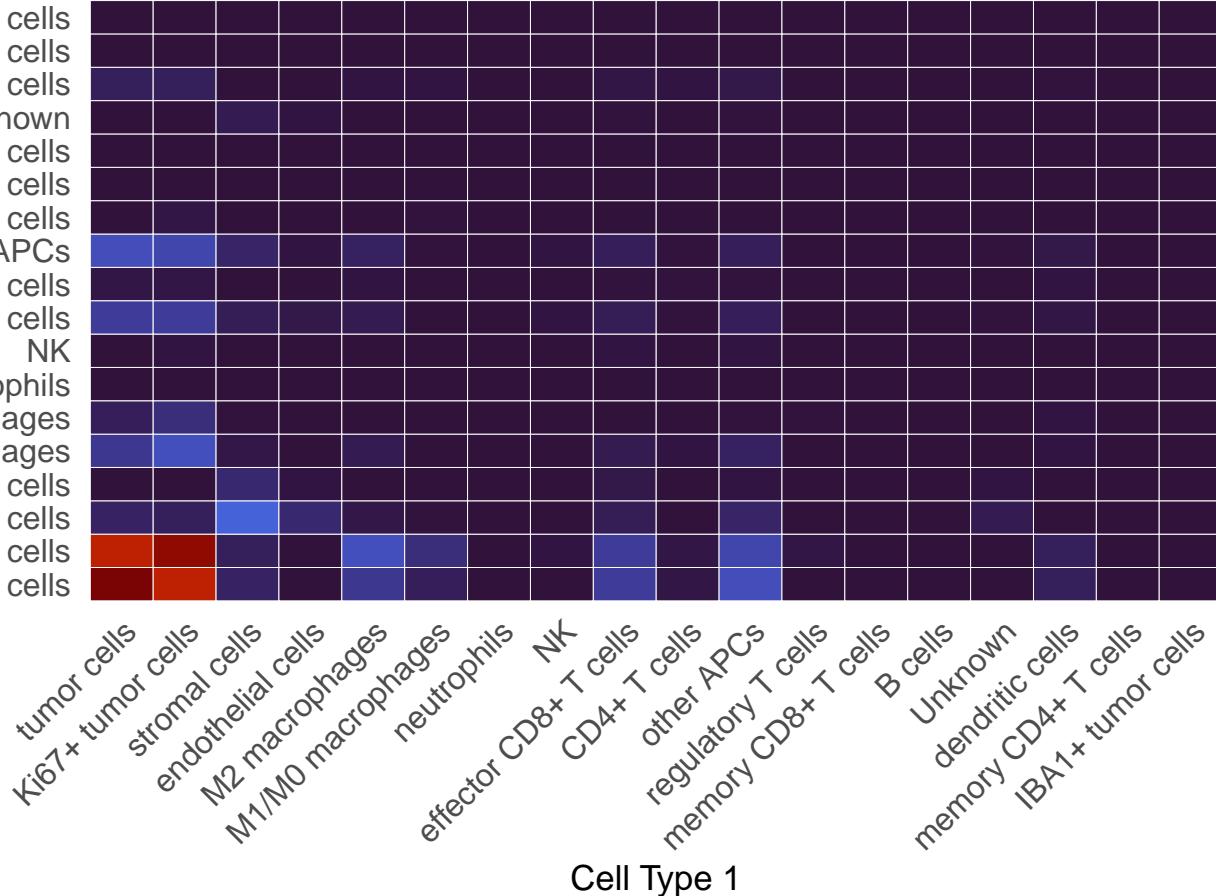
Number of Connections



PID 63 – carcinoma_in_situ_FAHNSCC_11B_1.csv

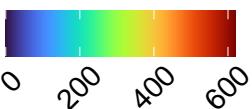
Cell Type 2

- IBA1+ tumor cells
- memory CD4+ T cells
- dendritic cells
- Unknown
- B cells
- memory CD8+ T cells
- regulatory T cells
- other APCs
- CD4+ T cells
- effector CD8+ T cells
- NK
- neutrophils
- M1/M0 macrophages
- M2 macrophages
- endothelial cells
- stromal cells
- Ki67+ tumor cells
- tumor cells



Cell Type 1

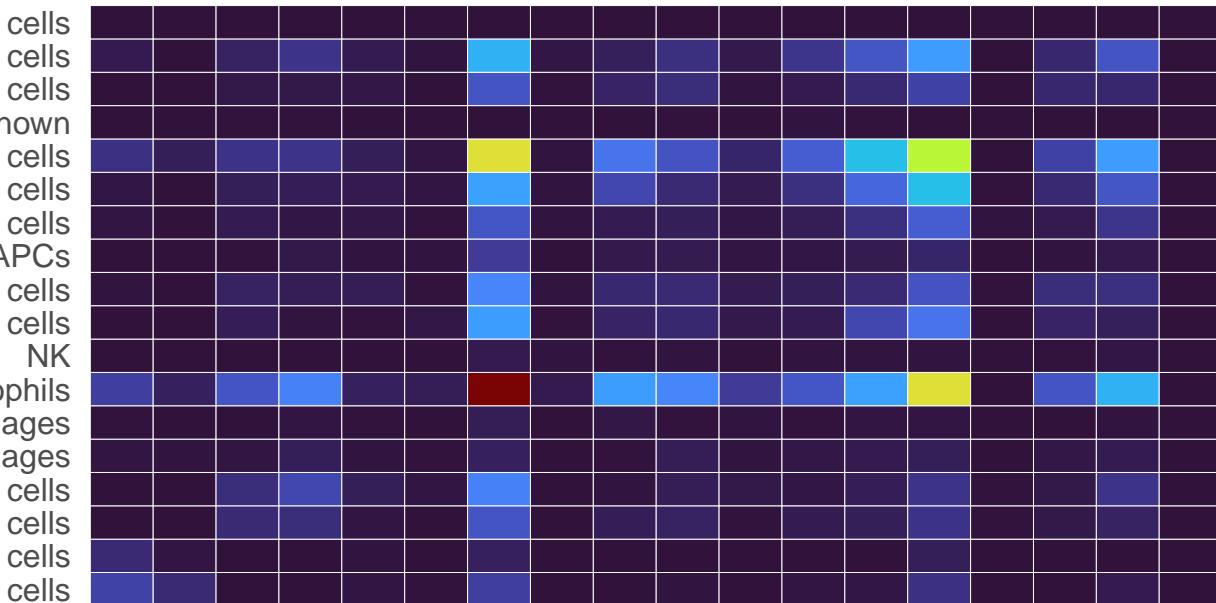
Number of Connections



PID 64 – carcinoma_invasive_F23P1_PRIM_10.csv

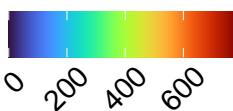
Cell Type 2

- IBA1+ tumor cells
- memory CD4+ T cells
- dendritic cells
- Unknown
- B cells
- memory CD8+ T cells
- regulatory T cells
- other APCs
- CD4+ T cells
- effector CD8+ T cells
- NK
- neutrophils
- M1/M0 macrophages
- M2 macrophages
- endothelial cells
- stromal cells
- Ki67+ tumor cells
- tumor cells



Cell Type 1

Number of Connections



PID 65 – carcinoma_invasive_F23P1_PRIM_4.csv

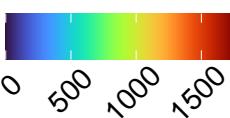
Cell Type 2

- IBA1+ tumor cells
- memory CD4+ T cells
- dendritic cells
- Unknown
- B cells
- memory CD8+ T cells
- regulatory T cells
- other APCs
- CD4+ T cells
- effector CD8+ T cells
- NK
- neutrophils
- M1/M0 macrophages
- M2 macrophages
- endothelial cells
- stromal cells
- Ki67+ tumor cells
- tumor cells

- tumor cells
- Ki67+ tumor cells
- stromal cells
- endothelial cells
- M2 macrophages
- M1/M0 macrophages
- neutrophils
- NK
- effector CD8+ T cells
- CD4+ T cells
- other APCs
- regulatory T cells
- memory CD8+ T cells
- B cells
- Unknown
- dendritic cells
- memory CD4+ T cells
- IBA1+ tumor cells

Cell Type 1

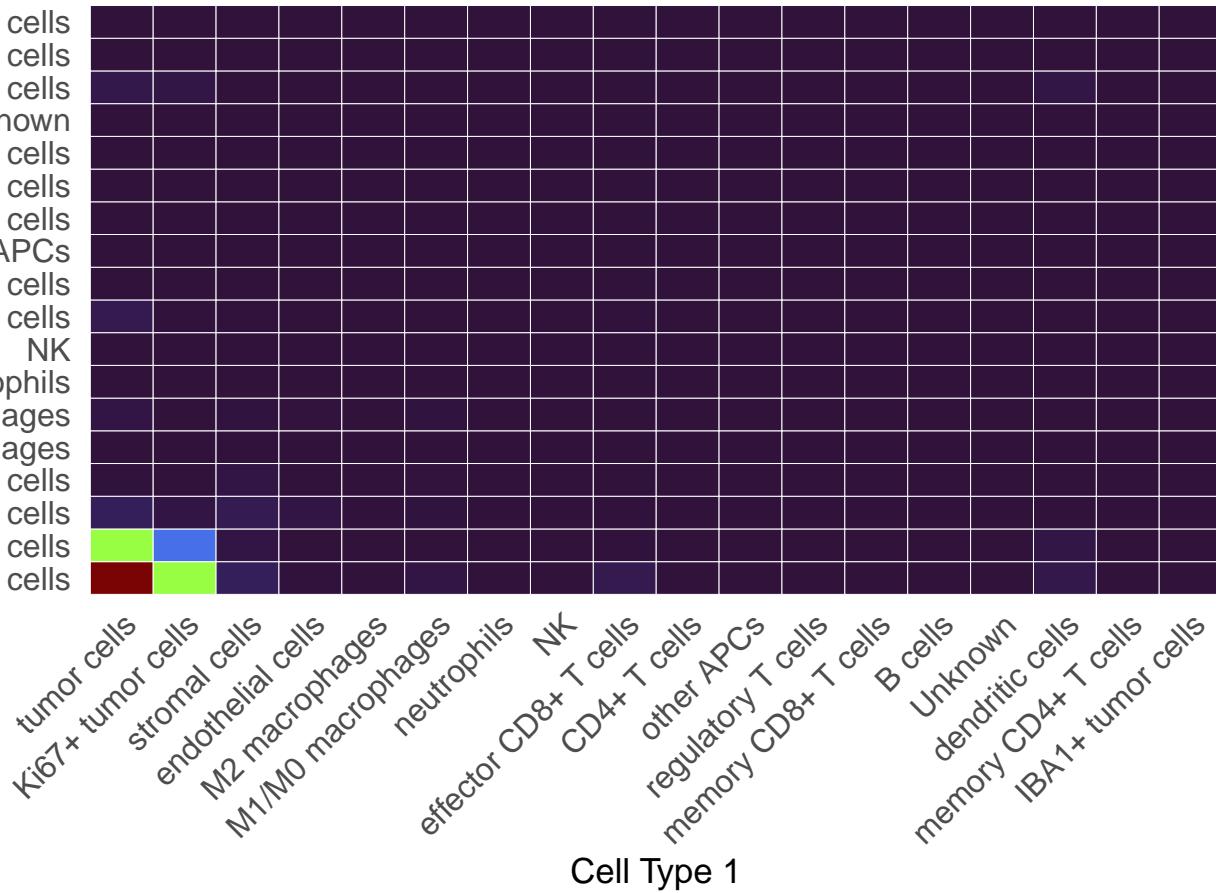
Number of Connections



PID 66 – Carcinoma_AGSCC_2_19.csv

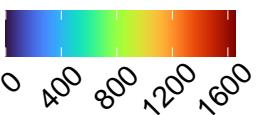
Cell Type 2

- IBA1+ tumor cells
- memory CD4+ T cells
- dendritic cells
- Unknown
- B cells
- memory CD8+ T cells
- regulatory T cells
- other APCs
- CD4+ T cells
- effector CD8+ T cells
- NK
- neutrophils
- M1/M0 macrophages
- M2 macrophages
- endothelial cells
- stromal cells
- Ki67+ tumor cells
- tumor cells



Cell Type 1

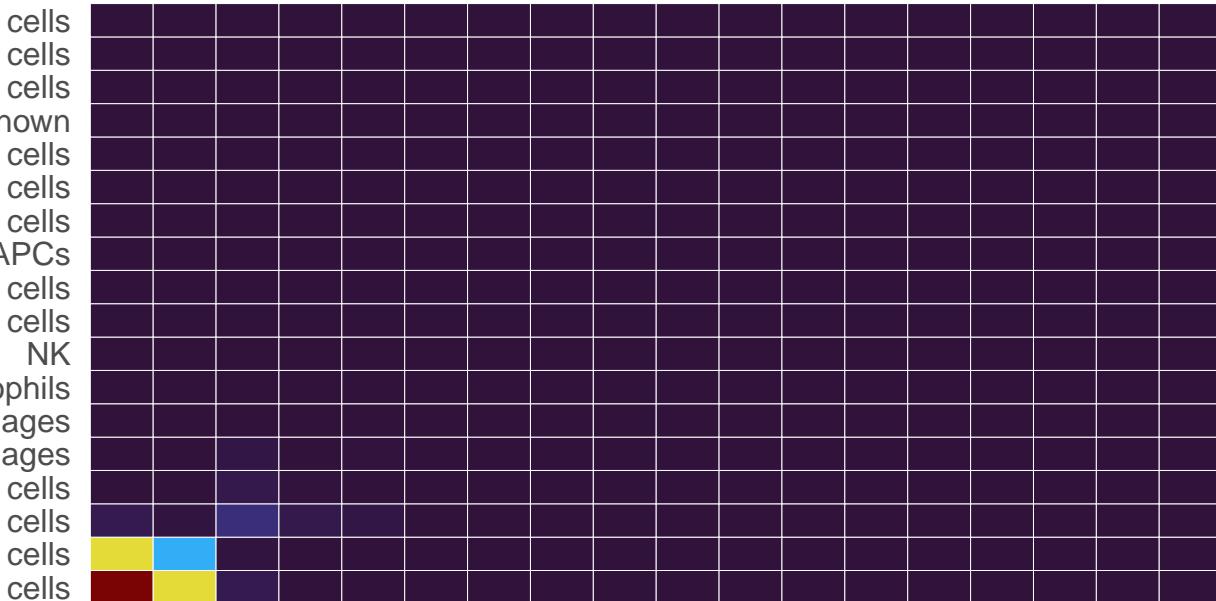
Number of Connections



PID 67 – Carcinoma_AGSCC_2_20.csv

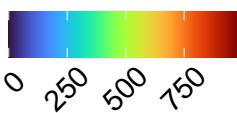
Cell Type 2

- IBA1+ tumor cells
- memory CD4+ T cells
- dendritic cells
- Unknown
- B cells
- memory CD8+ T cells
- regulatory T cells
- other APCs
- CD4+ T cells
- effector CD8+ T cells
- NK
- neutrophils
- M1/M0 macrophages
- M2 macrophages
- endothelial cells
- stromal cells
- Ki67+ tumor cells
- tumor cells



Cell Type 1

Number of Connections



PID 68 – Carcinoma_AGSCC_2_33.csv

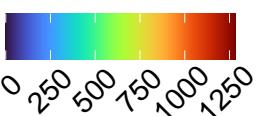
Cell Type 2

- IBA1+ tumor cells
- memory CD4+ T cells
- dendritic cells
- Unknown
- B cells
- memory CD8+ T cells
- regulatory T cells
- other APCs
- CD4+ T cells
- effector CD8+ T cells
- NK
- neutrophils
- M1/M0 macrophages
- M2 macrophages
- endothelial cells
- stromal cells
- Ki67+ tumor cells
- tumor cells

- tumor cells
- Ki67+ tumor cells
- stromal cells
- endothelial cells
- M2 macrophages
- M1/M0 macrophages
- neutrophils
- NK
- effector CD8+ T cells
- CD4+ T cells
- other APCs
- regulatory T cells
- memory CD8+ T cells
- B cells
- Unknown
- dendritic cells
- memory CD4+ T cells
- IBA1+ tumor cells

Cell Type 1

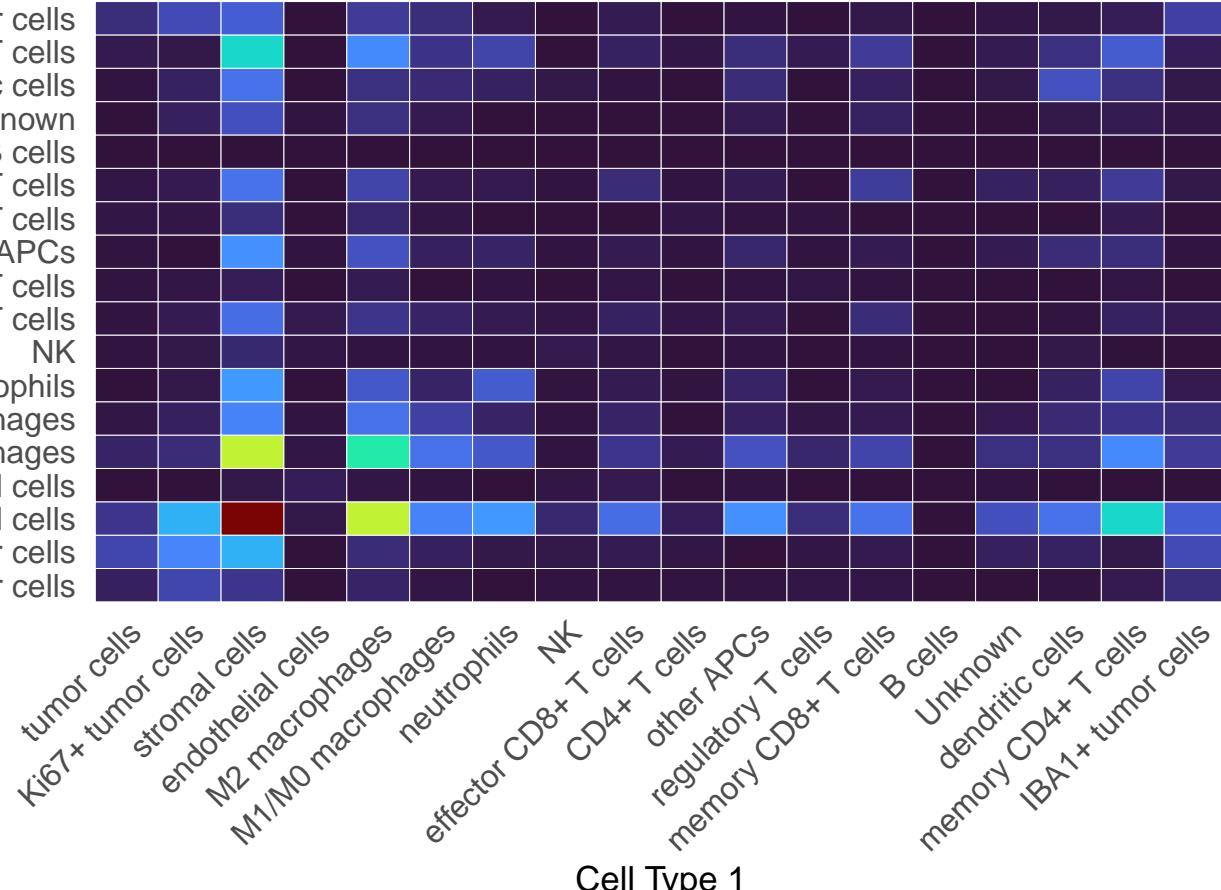
Number of Connections



PID 69 – carcinoma_invasive_F29P1_7.csv

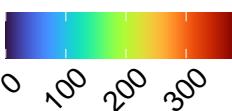
Cell Type 2

IBA1+ tumor cells
 memory CD4+ T cells
 dendritic cells
 Unknown
 B cells
 memory CD8+ T cells
 regulatory T cells
 other APCs
 CD4+ T cells
 effector CD8+ T cells
 NK
 neutrophils
 M1/M0 macrophages
 M2 macrophages
 endothelial cells
 stromal cells
 Ki67+ tumor cells
 tumor cells



Cell Type 1

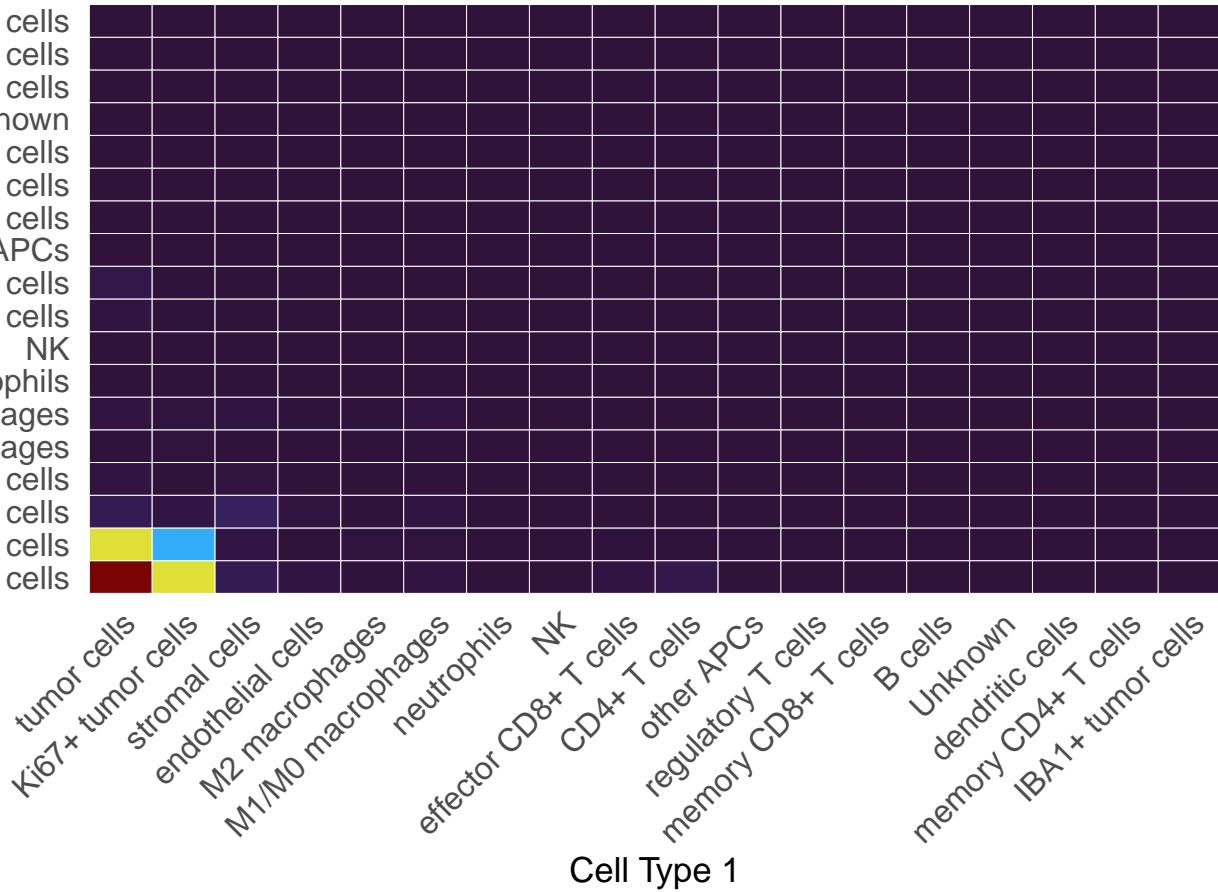
Number of Connections



PID 70 – Carcinoma_AGSCC_2_27.csv

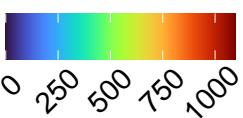
Cell Type 2

- IBA1+ tumor cells
- memory CD4+ T cells
- dendritic cells
- Unknown
- B cells
- memory CD8+ T cells
- regulatory T cells
- other APCs
- CD4+ T cells
- effector CD8+ T cells
- NK
- neutrophils
- M1/M0 macrophages
- M2 macrophages
- endothelial cells
- stromal cells
- Ki67+ tumor cells
- tumor cells



Cell Type 1

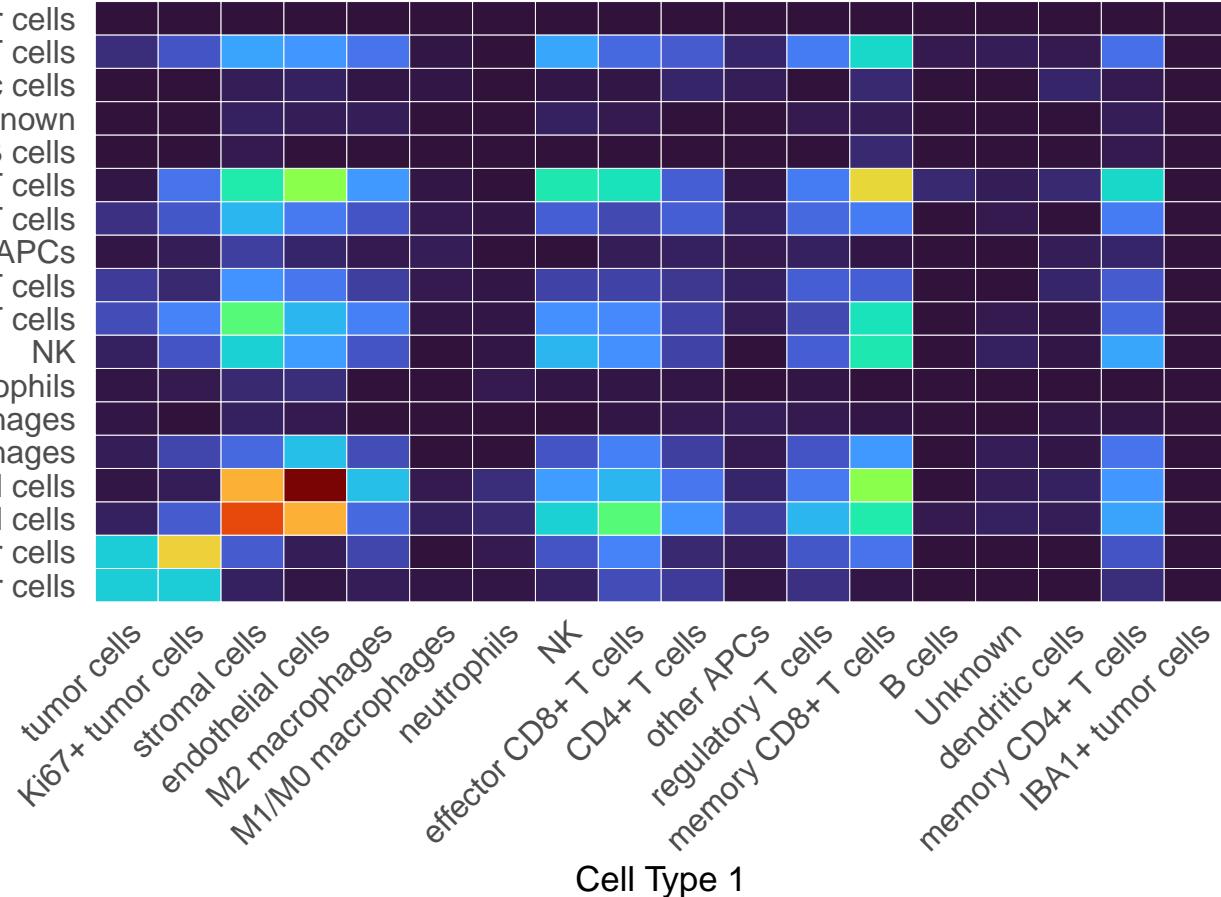
Number of Connections



PID 71 – carcinoma_invasive_F33P1_1.csv

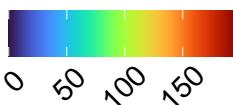
Cell Type 2

IBA1+ tumor cells
 memory CD4+ T cells
 dendritic cells
 Unknown
 B cells
 memory CD8+ T cells
 regulatory T cells
 other APCs
 CD4+ T cells
 effector CD8+ T cells
 NK
 neutrophils
 M1/M0 macrophages
 M2 macrophages
 endothelial cells
 stromal cells
 Ki67+ tumor cells
 tumor cells



Cell Type 1

Number of Connections



PID 72 – carcinoma_in_situ_F8P1_PRIM_1.csv

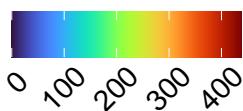
Cell Type 2

IBA1+ tumor cells
 memory CD4+ T cells
 dendritic cells
 Unknown
 B cells
 memory CD8+ T cells
 regulatory T cells
 other APCs
 CD4+ T cells
 effector CD8+ T cells
 NK
 neutrophils
 M1/M0 macrophages
 M2 macrophages
 endothelial cells
 stromal cells
 Ki67+ tumor cells
 tumor cells

tumor cells
 Ki67+ tumor cells
 stromal cells
 endothelial cells
 M2 macrophages
 M1/M0 macrophages
 neutrophils
 effector CD8+ T cells
 NK
 CD4+ T cells
 other APCs
 regulatory T cells
 memory CD8+ T cells
 B cells
 Unknown
 dendritic cells
 memory CD4+ T cells
 IBA1+ tumor cells

Cell Type 1

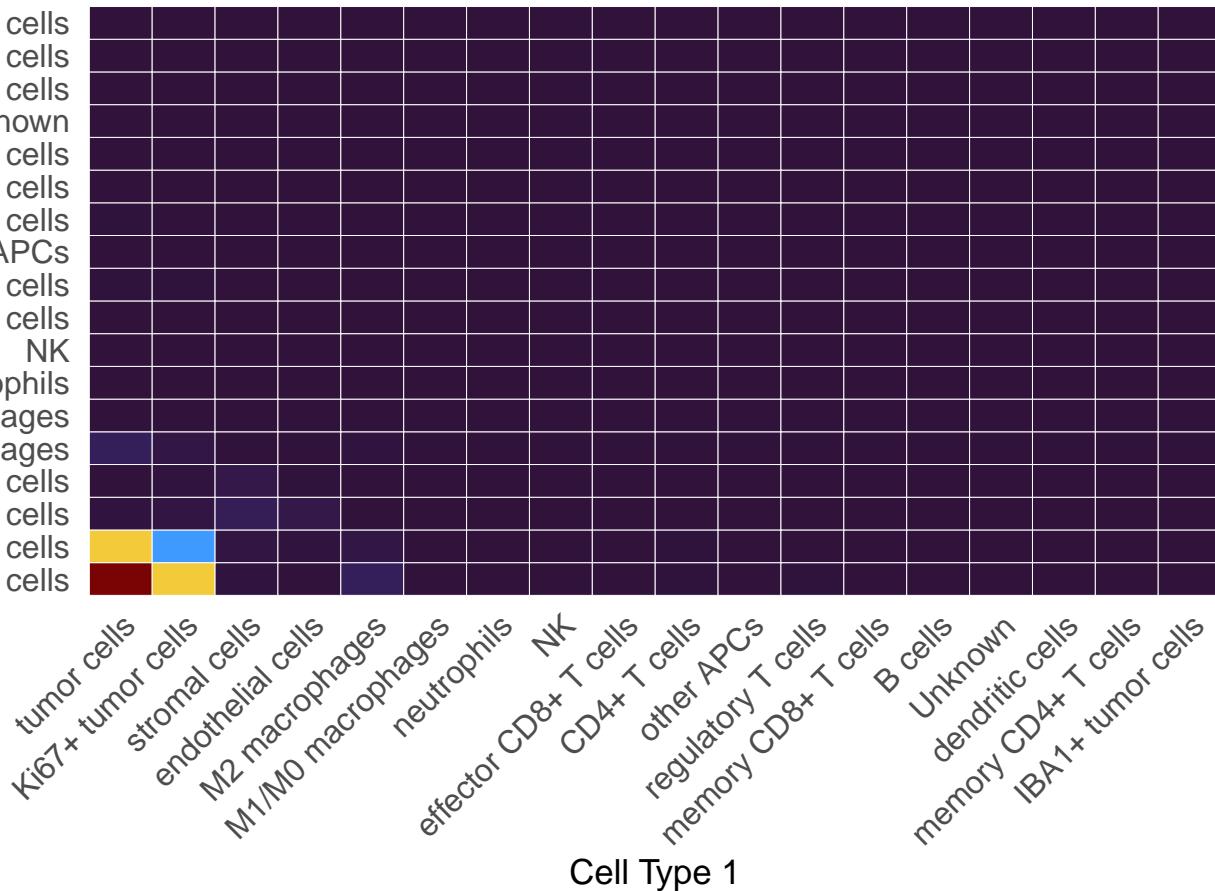
Number of Connections



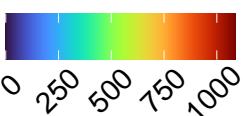
PID 73 – Carcinoma_AGSCC_2_36.csv

Cell Type 2

- IBA1+ tumor cells
- memory CD4+ T cells
- dendritic cells
- Unknown
- B cells
- memory CD8+ T cells
- regulatory T cells
- other APCs
- CD4+ T cells
- effector CD8+ T cells
- NK
- neutrophils
- M1/M0 macrophages
- M2 macrophages
- endothelial cells
- stromal cells
- Ki67+ tumor cells
- tumor cells



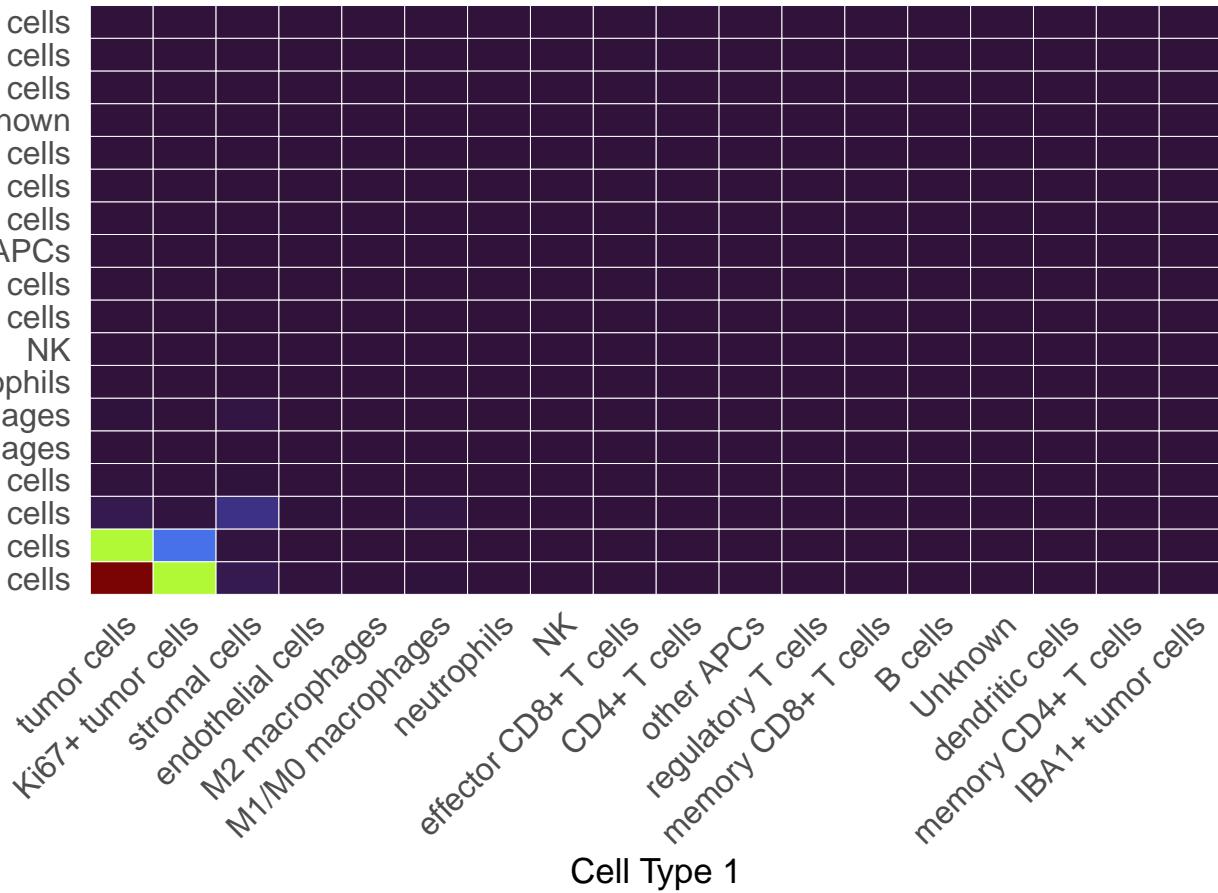
Number of Connections



PID 74 – Carcinoma_AGSCC_2_17.csv

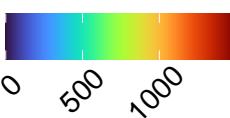
Cell Type 2

- IBA1+ tumor cells
- memory CD4+ T cells
- dendritic cells
- Unknown
- B cells
- memory CD8+ T cells
- regulatory T cells
- other APCs
- CD4+ T cells
- effector CD8+ T cells
- NK
- neutrophils
- M1/M0 macrophages
- M2 macrophages
- endothelial cells
- stromal cells
- Ki67+ tumor cells
- tumor cells



Cell Type 1

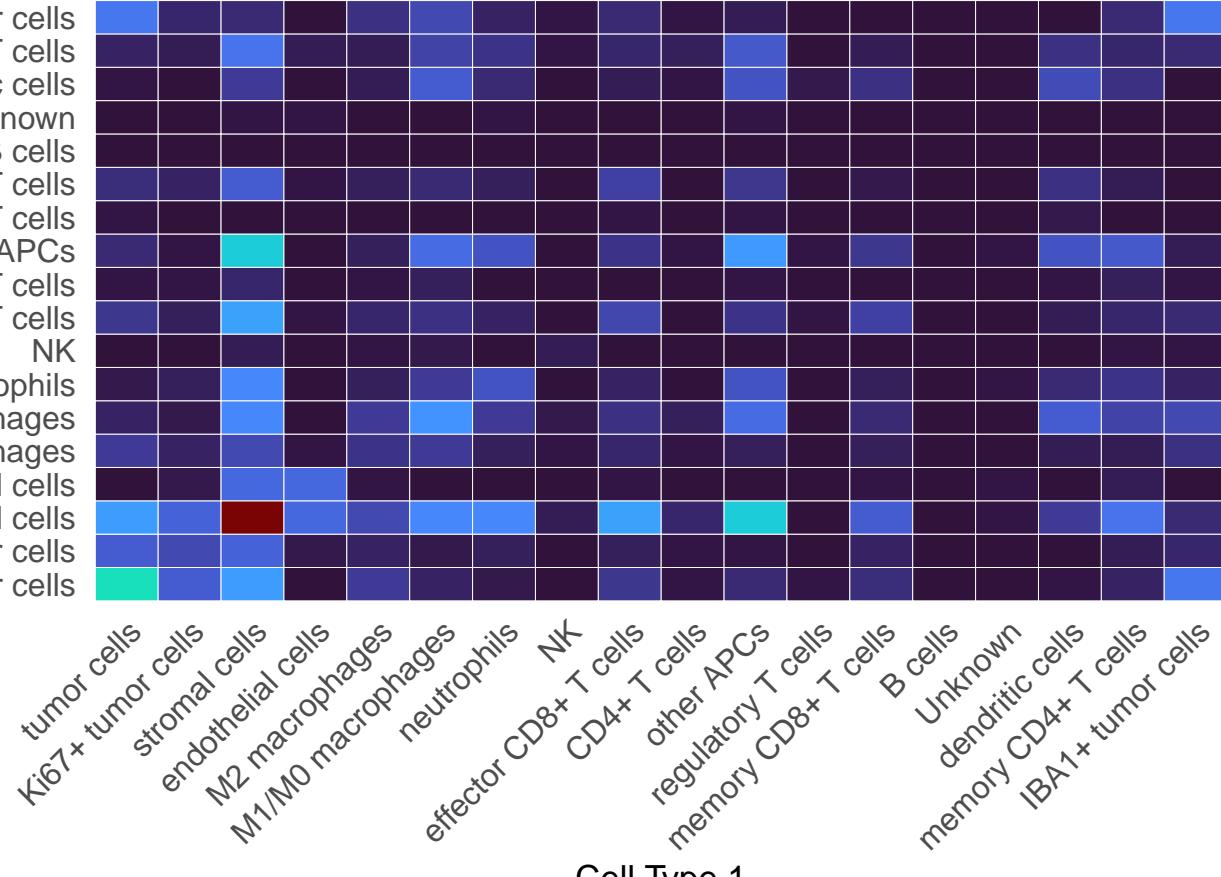
Number of Connections



PID 75 – carcinoma_invasive_F29P1_8.csv

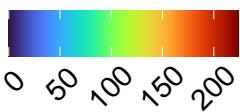
Cell Type 2

IBA1+ tumor cells
 memory CD4+ T cells
 dendritic cells
 Unknown
 B cells
 memory CD8+ T cells
 regulatory T cells
 other APCs
 CD4+ T cells
 effector CD8+ T cells
 NK
 neutrophils
 M1/M0 macrophages
 M2 macrophages
 endothelial cells
 stromal cells
 Ki67+ tumor cells
 tumor cells



Cell Type 1

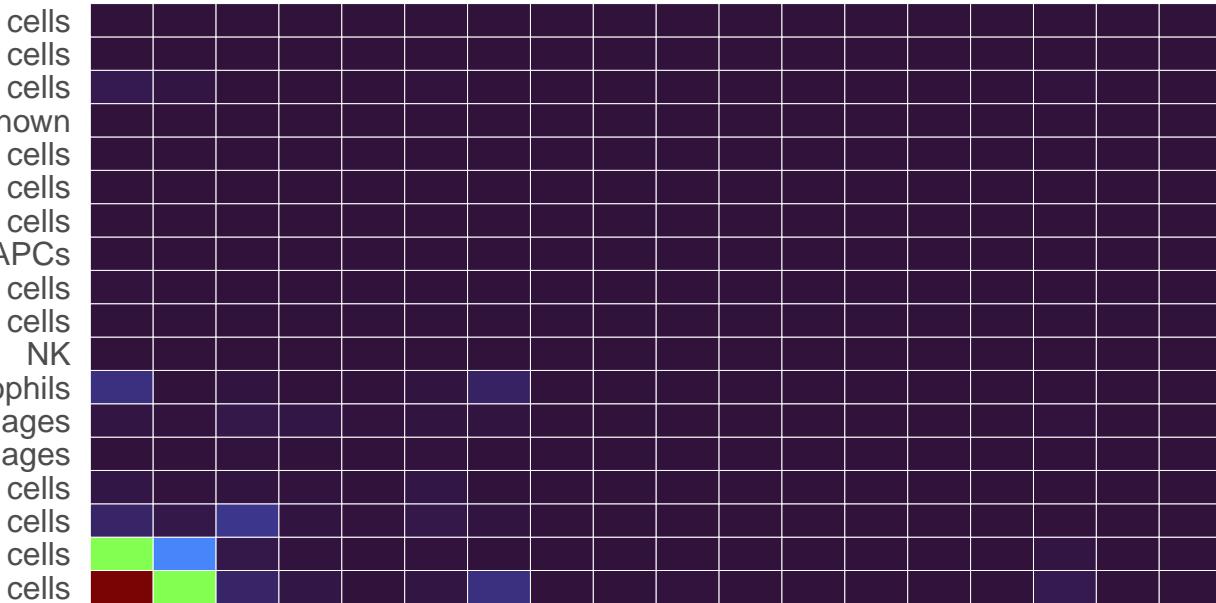
Number of Connections



PID 76 – Carcinoma_AGSCC_2_1.csv

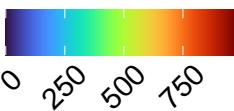
Cell Type 2

- IBA1+ tumor cells
- memory CD4+ T cells
- dendritic cells
- Unknown
- B cells
- memory CD8+ T cells
- regulatory T cells
- other APCs
- CD4+ T cells
- effector CD8+ T cells
- NK
- neutrophils
- M1/M0 macrophages
- M2 macrophages
- endothelial cells
- stromal cells
- Ki67+ tumor cells
- tumor cells



Cell Type 1

Number of Connections



PID 77 – Carcinoma_AGSCC_2_7.csv

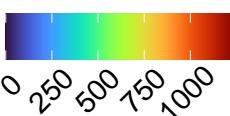
Cell Type 2

IBA1+ tumor cells
memory CD4+ T cells
dendritic cells
Unknown
B cells
memory CD8+ T cells
regulatory T cells
other APCs
CD4+ T cells
effector CD8+ T cells
NK
neutrophils
M1/M0 macrophages
M2 macrophages
endothelial cells
stromal cells
Ki67+ tumor cells
tumor cells

tumor cells
Ki67+ tumor cells
stromal cells
endothelial cells
M2 macrophages
M1/M0 macrophages
neutrophils
NK
effector CD8+ T cells
CD4+ T cells
other APCs
regulatory T cells
memory CD8+ T cells
B cells
Unknown
dendritic cells
memory CD4+ T cells
IBA1+ tumor cells

Cell Type 1

Number of Connections



PID 78 – carcinoma_invasive_F23P1_PRIM_8.csv

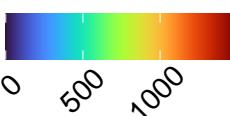
Cell Type 2

IBA1+ tumor cells
memory CD4+ T cells
dendritic cells
Unknown
B cells
memory CD8+ T cells
regulatory T cells
other APCs
CD4+ T cells
effector CD8+ T cells
NK
neutrophils
M1/M0 macrophages
M2 macrophages
endothelial cells
stromal cells
Ki67+ tumor cells
tumor cells

tumor cells
Ki67+ tumor cells
stromal cells
endothelial cells
M2 macrophages
M1/M0 macrophages
neutrophils
NK
effector CD8+ T cells
CD4+ T cells
other APCs
regulatory T cells
memory CD8+ T cells
B cells
Unknown
dendritic cells
memory CD4+ T cells
IBA1+ tumor cells

Cell Type 1

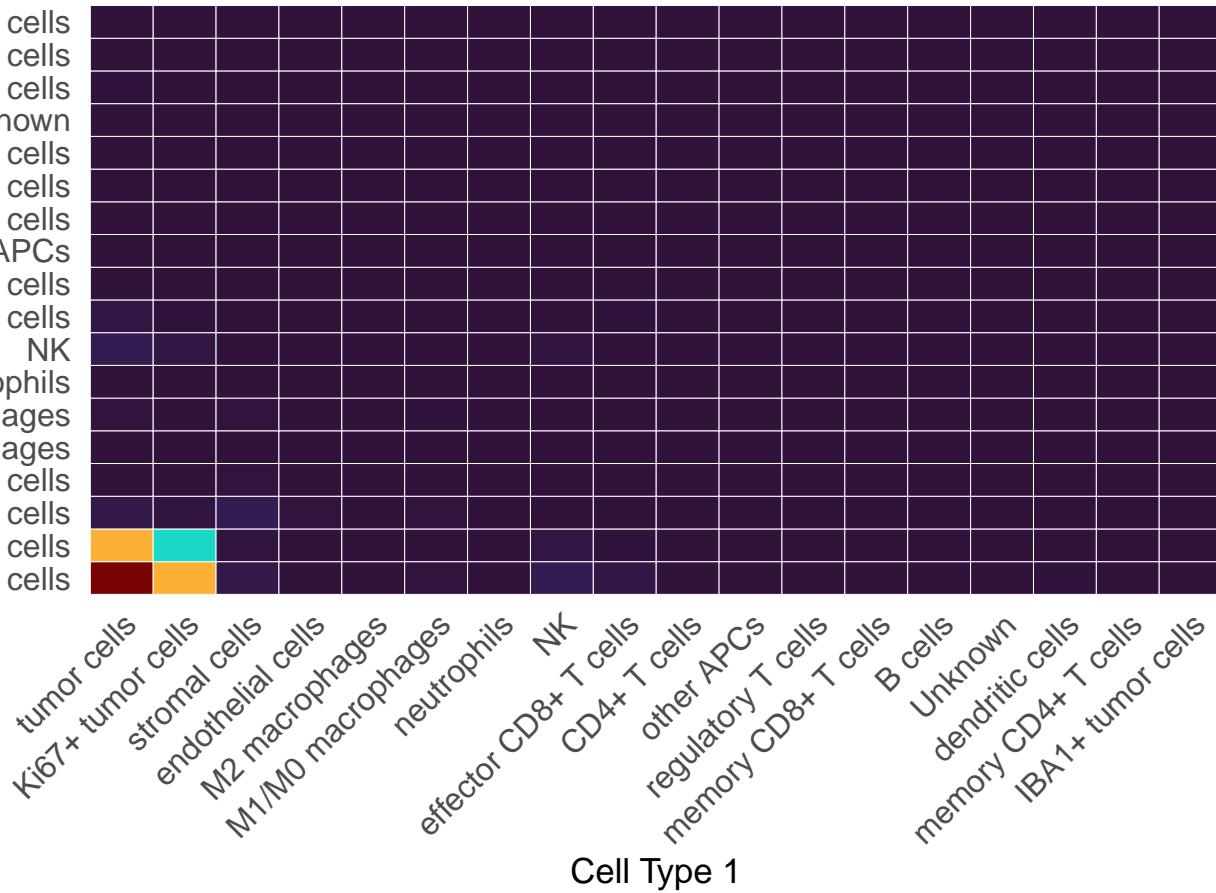
Number of Connections



PID 79 – Carcinoma_AGSCC_2_31.csv

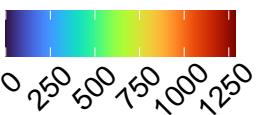
Cell Type 2

- IBA1+ tumor cells
- memory CD4+ T cells
- dendritic cells
- Unknown
- B cells
- memory CD8+ T cells
- regulatory T cells
- other APCs
- CD4+ T cells
- effector CD8+ T cells
- NK
- neutrophils
- M1/M0 macrophages
- M2 macrophages
- endothelial cells
- stromal cells
- Ki67+ tumor cells
- tumor cells



Cell Type 1

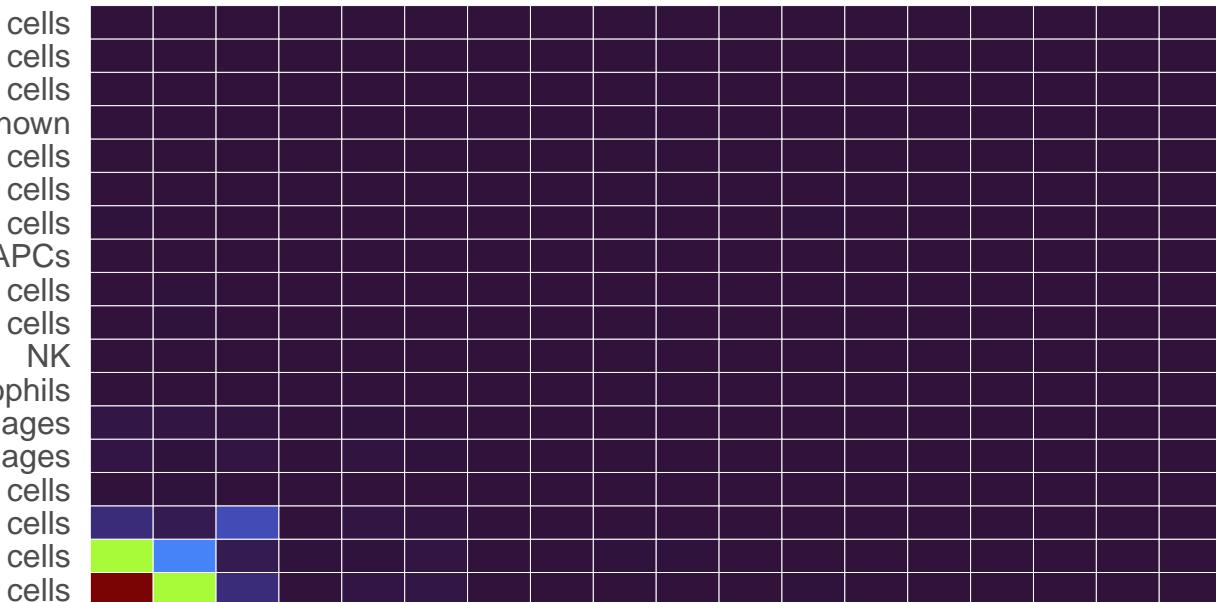
Number of Connections



PID 80 – Carcinoma_AGSCC_2_22.csv

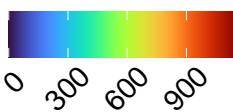
Cell Type 2

IBA1+ tumor cells
 memory CD4+ T cells
 dendritic cells
 Unknown
 B cells
 memory CD8+ T cells
 regulatory T cells
 other APCs
 CD4+ T cells
 effector CD8+ T cells
 NK
 neutrophils
 M1/M0 macrophages
 M2 macrophages
 endothelial cells
 stromal cells
 Ki67+ tumor cells
 tumor cells



Cell Type 1

Number of Connections



PID 81 – Carcinoma_AGSCC_2_5.csv

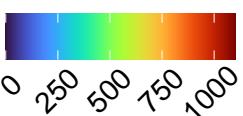
Cell Type 2

IBA1+ tumor cells
memory CD4+ T cells
dendritic cells
Unknown
B cells
memory CD8+ T cells
regulatory T cells
other APCs
CD4+ T cells
effector CD8+ T cells
NK
neutrophils
M1/M0 macrophages
M2 macrophages
endothelial cells
stromal cells
Ki67+ tumor cells
tumor cells

tumor cells
Ki67+ tumor cells
stromal cells
endothelial cells
M2 macrophages
M1/M0 macrophages
neutrophils
NK
effector CD8+ T cells
CD4+ T cells
other APCs
regulatory T cells
memory CD8+ T cells
B cells
Unknown
dendritic cells
memory CD4+ T cells
IBA1+ tumor cells

Cell Type 1

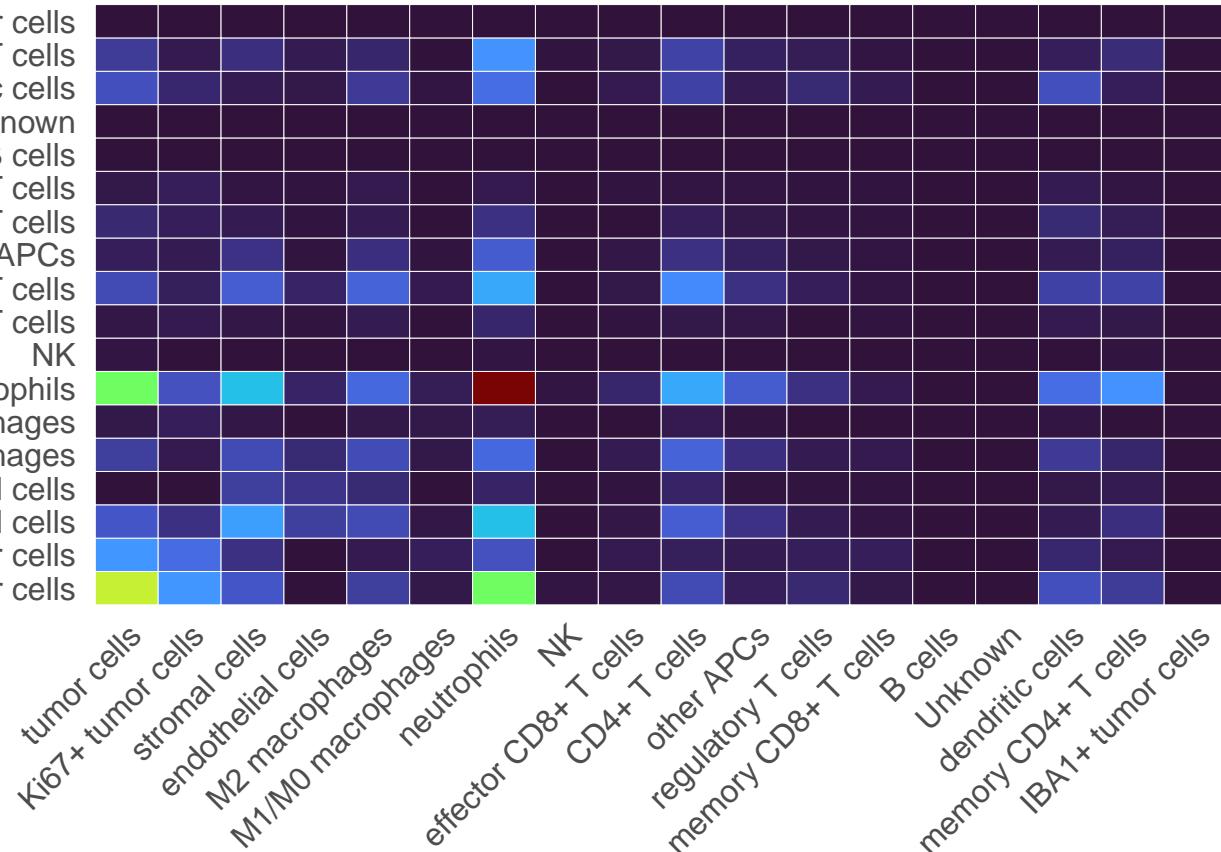
Number of Connections



PID 82 – carcinoma_invasive_F23P1_PRIM_2.csv

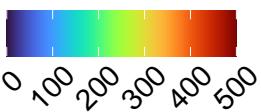
Cell Type 2

IBA1+ tumor cells
 memory CD4+ T cells
 dendritic cells
 Unknown
 B cells
 memory CD8+ T cells
 regulatory T cells
 other APCs
 CD4+ T cells
 effector CD8+ T cells
 NK
 neutrophils
 M1/M0 macrophages
 M2 macrophages
 endothelial cells
 stromal cells
 Ki67+ tumor cells
 tumor cells



Cell Type 1

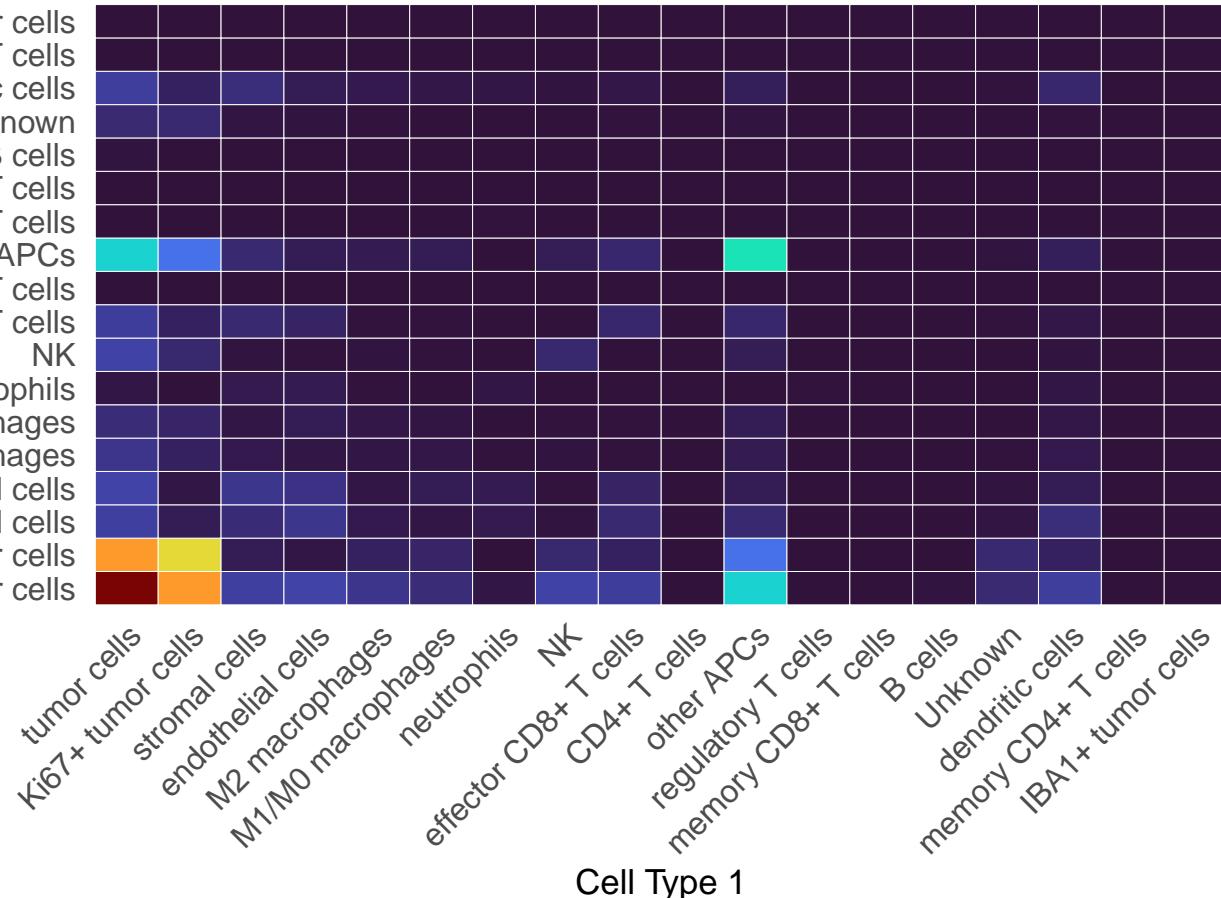
Number of Connections



PID 83 – Carcinoma_FAHNSCC_14_5.csv

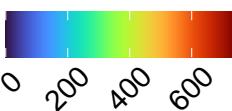
Cell Type 2

IBA1+ tumor cells
 memory CD4+ T cells
 dendritic cells
 Unknown
 B cells
 memory CD8+ T cells
 regulatory T cells
 other APCs
 CD4+ T cells
 effector CD8+ T cells
 NK
 neutrophils
 M1/M0 macrophages
 M2 macrophages
 endothelial cells
 stromal cells
 Ki67+ tumor cells
 tumor cells



Cell Type 1

Number of Connections



PID 84 – Carcinoma AGSCC 2 26.csv

