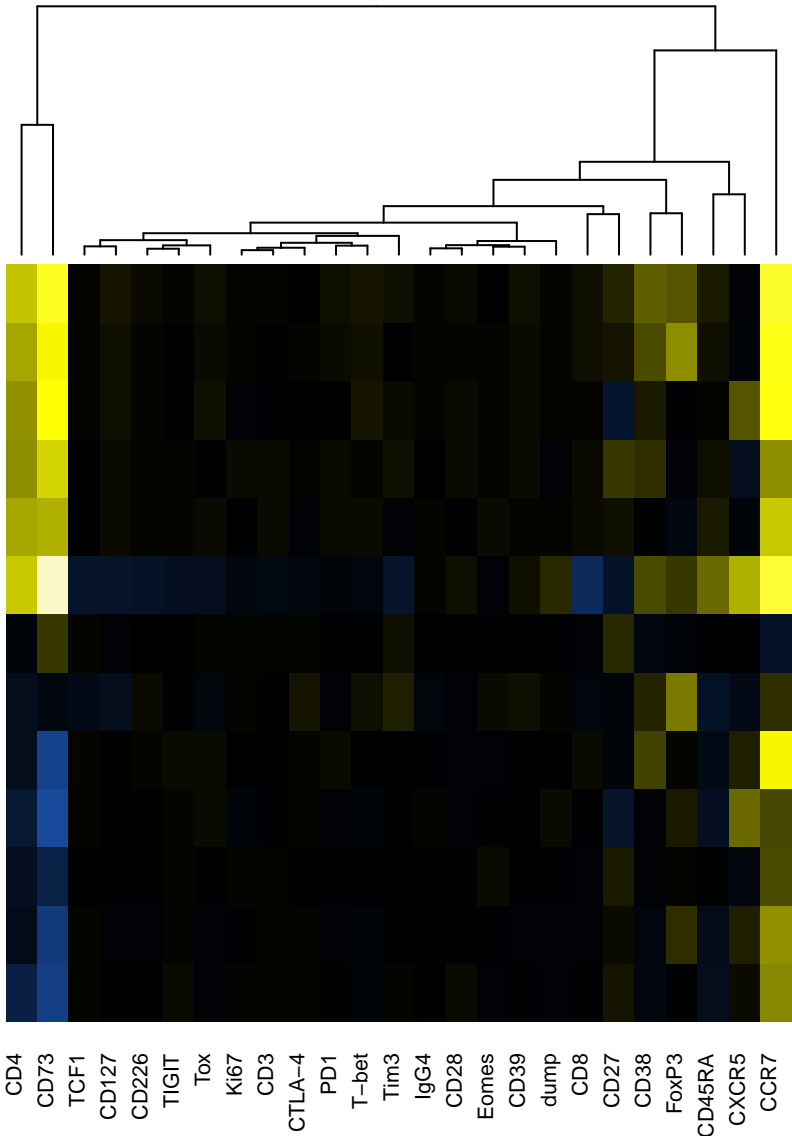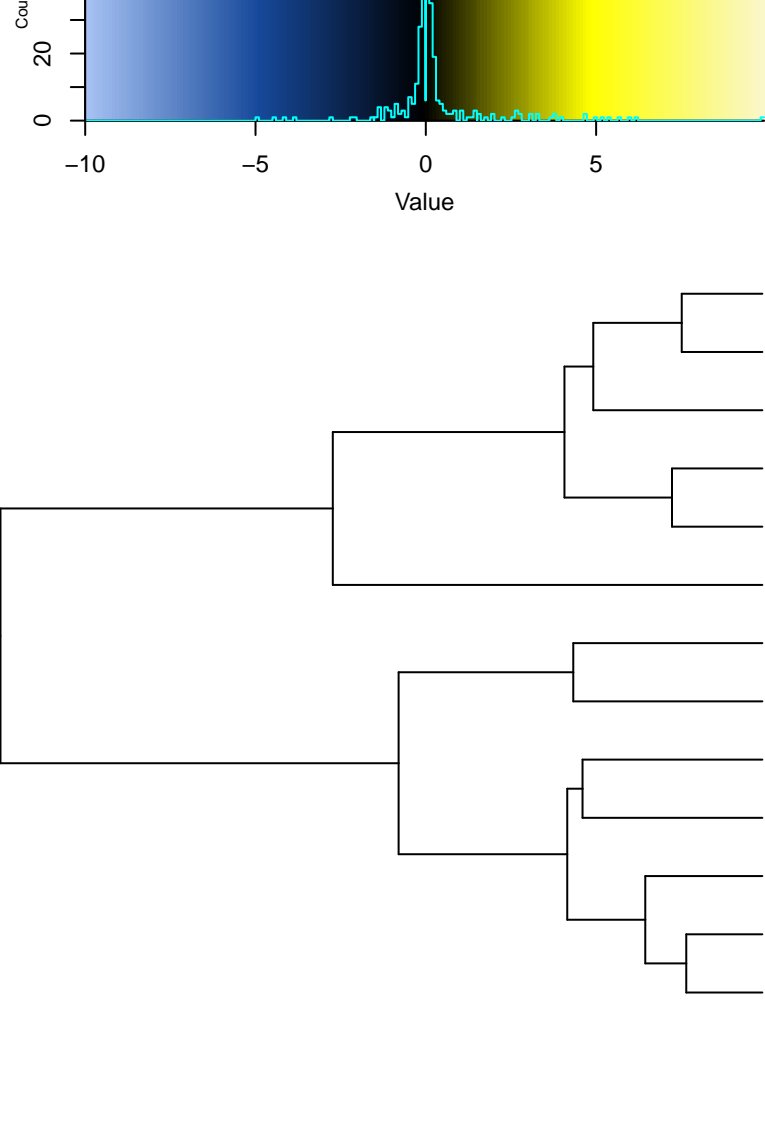**MEM heatmap**

Color Key and Histogram

Rows:
5 : UP CCR7+6 CD73+6 CD4+4 CD38+2 FoxP3+2 CD27+1 • DN None
9 : UP CCR7+5 CD73+5 FoxP3+3 CD4+3 CD38+1 • DN None
19 : UP CCR7+5 CD73+5 CD4+3 CXCR5+2 • DN CD27−1
3 : UP CD73+4 CCR7+3 CD4+3 CD38+1 CD27+1 • DN CXCR5−1
7 : UP CCR7+4 CD4+3 CD73+3 • DN FoxP3−1
1 : UP CD73+10 CCR7+6 CD4+4 CXCR5+3 CD45RA+2 dump+1 CD38+1 FoxP3+1 • DN CD8−3 CD127−1 Tox−1 Tim3−1 TCF1−1 CTLA−4−1 CD226−1 CD27−1 TIGIT−1 CD3−
14 : UP CD27+1 CD73+1 • DN CCR7−1
15 : UP FoxP3+2 Tim3+1 CD38+1 CCR7+1 • DN CD45RA−1 CXCR5−1 CD127−1 TCF1−1 CD4−1
18 : UP CCR7+5 CXCR5+1 CD38+1 • DN CD73−4 CD45RA−1 CD4−1
20 : UP CXCR5+2 CCR7+1 • DN CD73−5 CD4−2 CD45RA−1 CD27−1
8 : UP CCR7+1 • DN CD73−2 CD4−1
10 : UP CCR7+3 CXCR5+1 FoxP3+1 • DN CD73−4 CD45RA−1 CD4−1
16 : UP CCR7+3 • DN CD73−4 CD4−2 CD45RA−1

Columns: CD4, CD73, TCF1, CD127, CD226, TIGIT, Tox, Ki67, CD3, CTLA−4, PD1, T−bet, Tim3, IgG4, CD28, Eomes, CD39, dump, CD8, CD27, CD38, FoxP3, CD45RA, CXCR5, CCR7