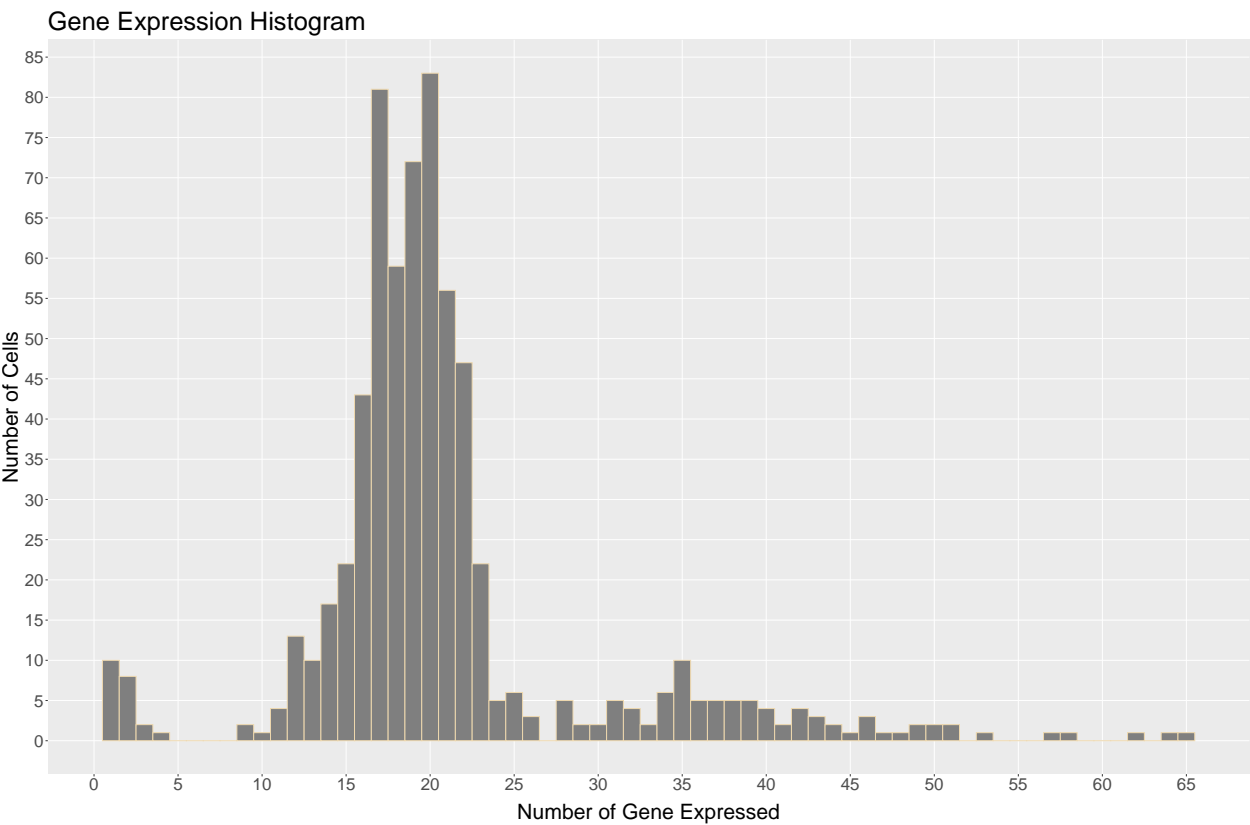


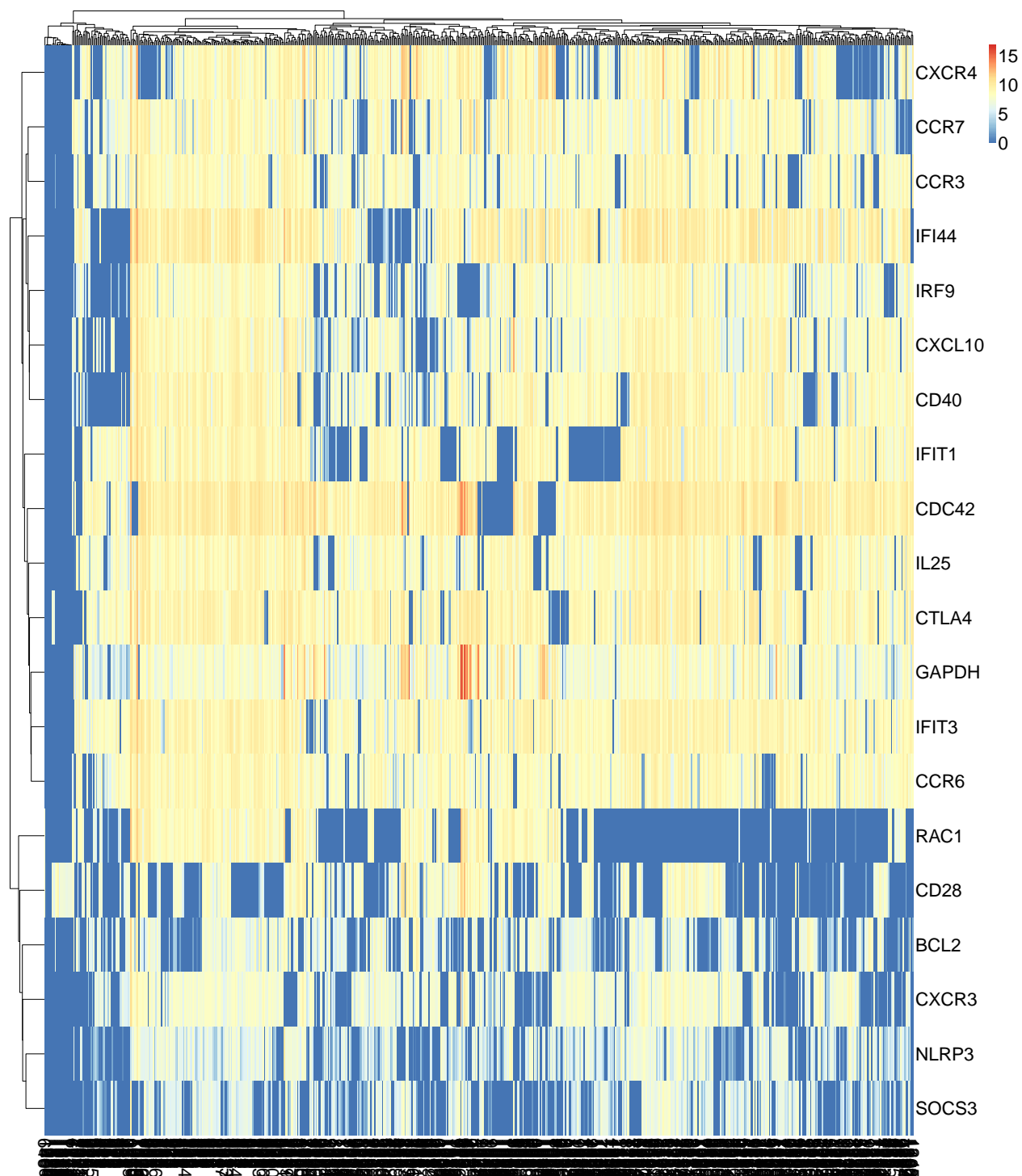
T1D_specific_analysis

No expression detected in 22/1480 cells

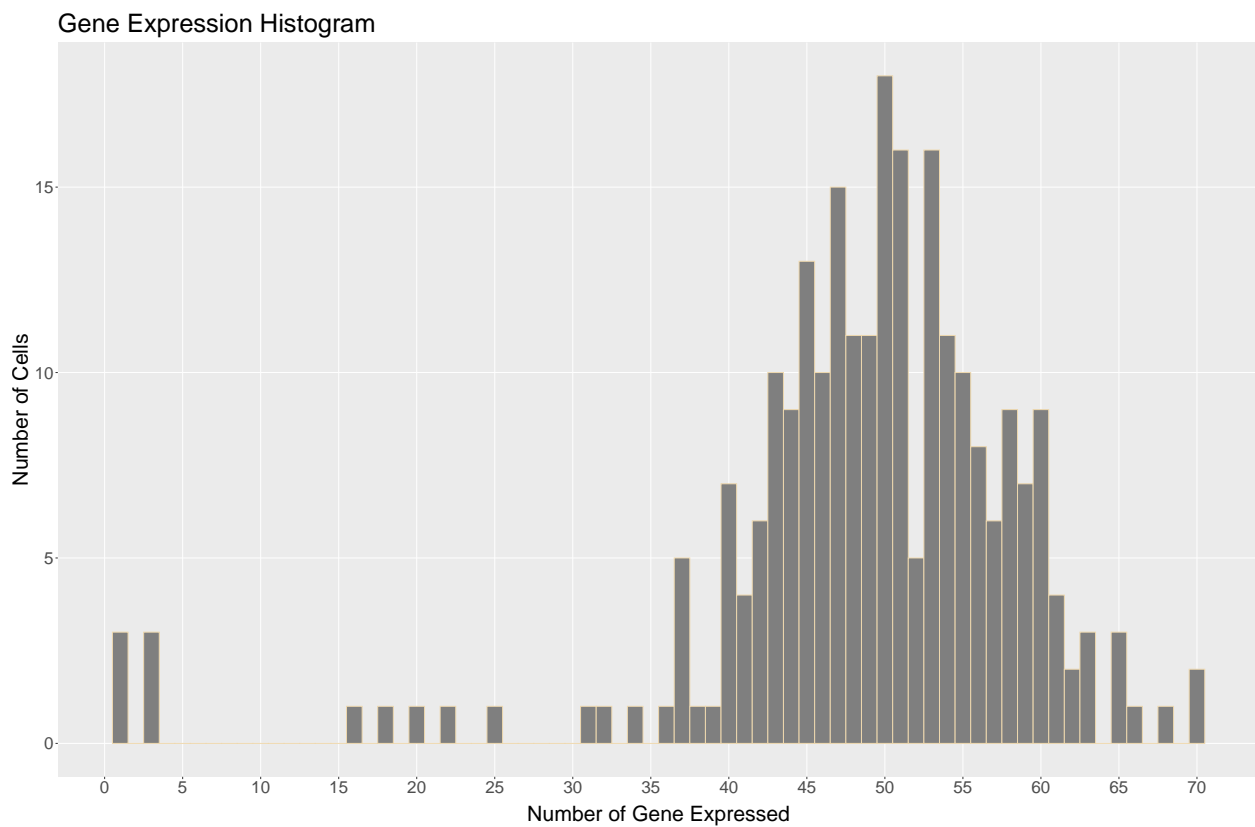
For all Tetramer cells



```
[1] "Total number of cells: 656"
[1] "Top 20 expressing genes: "
[1] "GAPDH" "IFIT3" "CCR6" "CTLA4" "CCR7" "IL25" "CDC42"
[8] "CCR3" "CXCL10" "IFI44" "CD40" "IRF9" "CXCR4" "IFIT1"
[15] "NLRP3" "CXCR3" "BCL2" "SOCS3" "CD28" "RAC1"
```



For all PD1+/ICOS+ cells



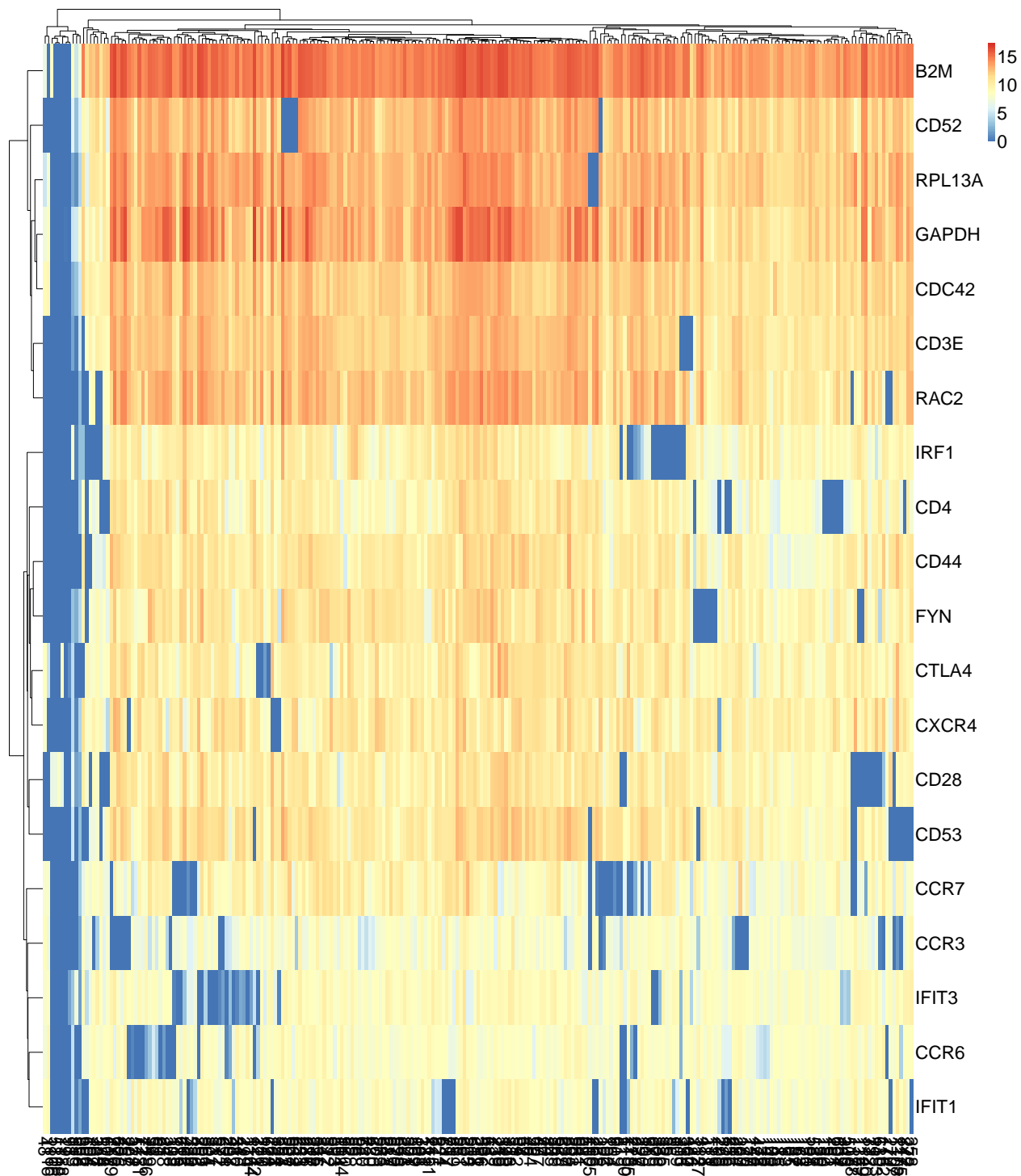
```
[1] "Total number of cells: 249"
```

```
[1] "Top 20 expressing genes: "
```

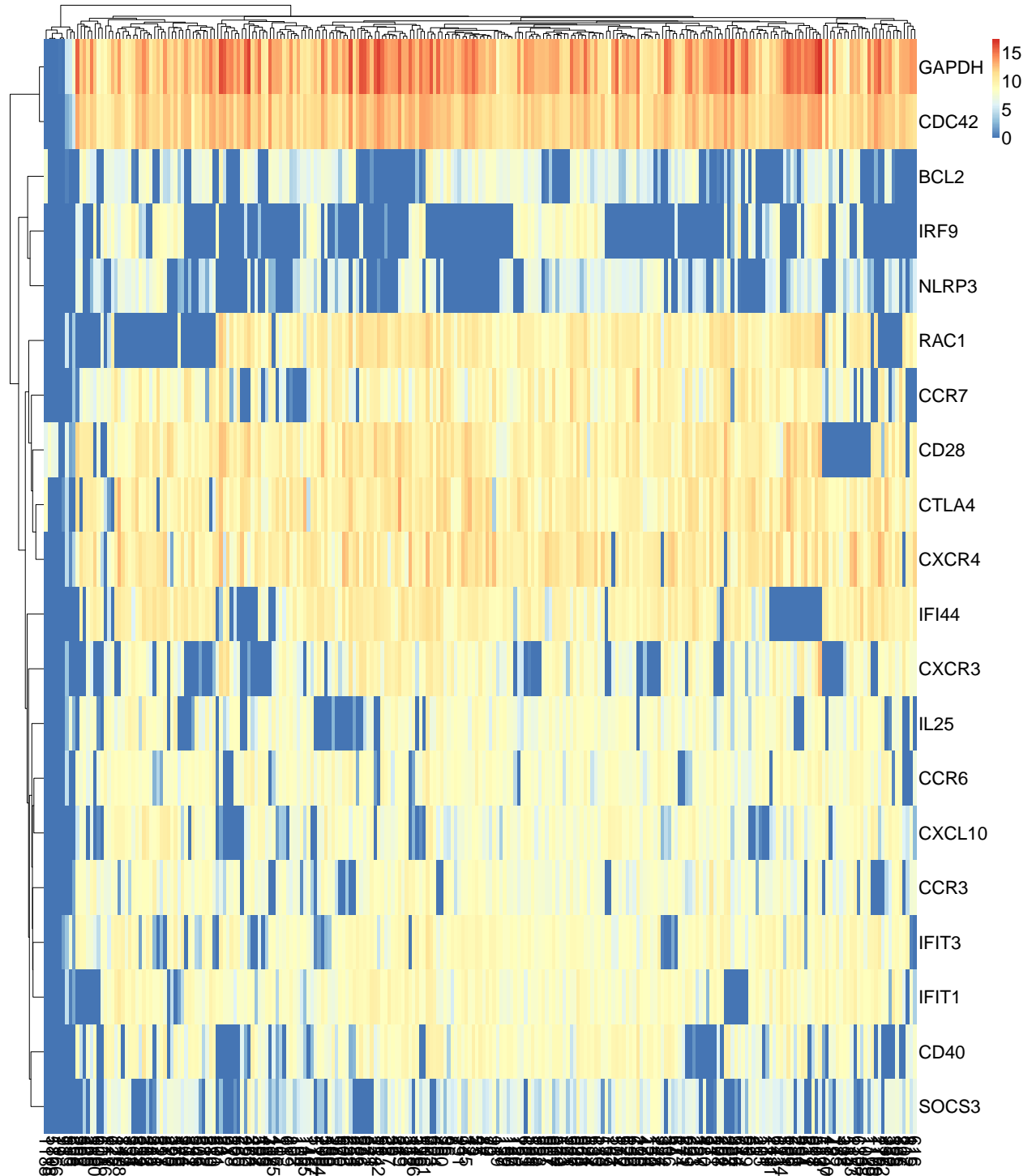
```
[1] "GAPDH" "B2M" "CDC42" "RPL13A" "CTLA4" "CXCR4" "CD3E"
```

```
[8] "CD44" "CD52" "RAC2" "FYN" "IFIT3" "CD28" "CCR6"
```

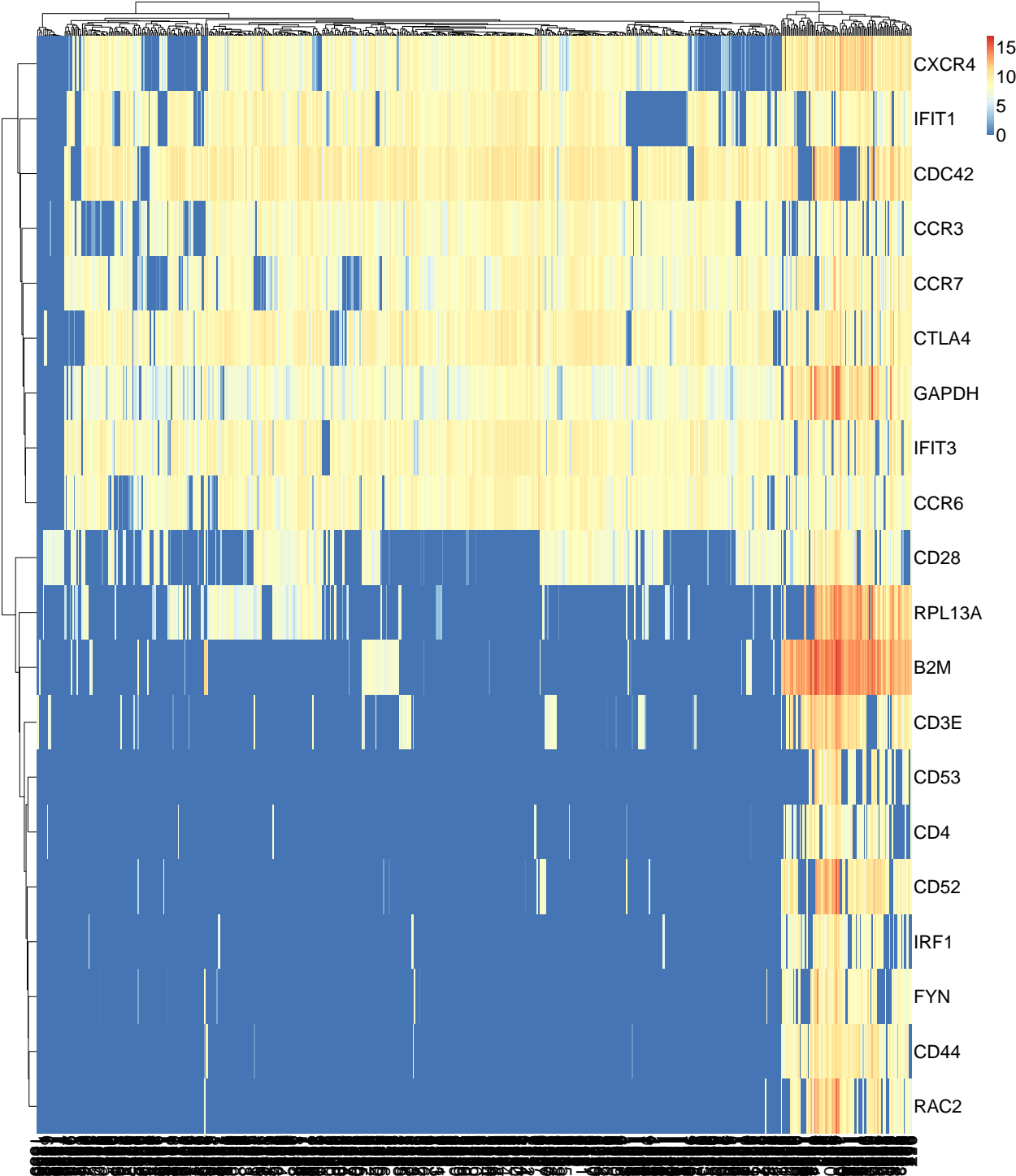
```
[15] "IFIT1" "CD53" "CD4" "CCR3" "IRF1" "CCR7"
```



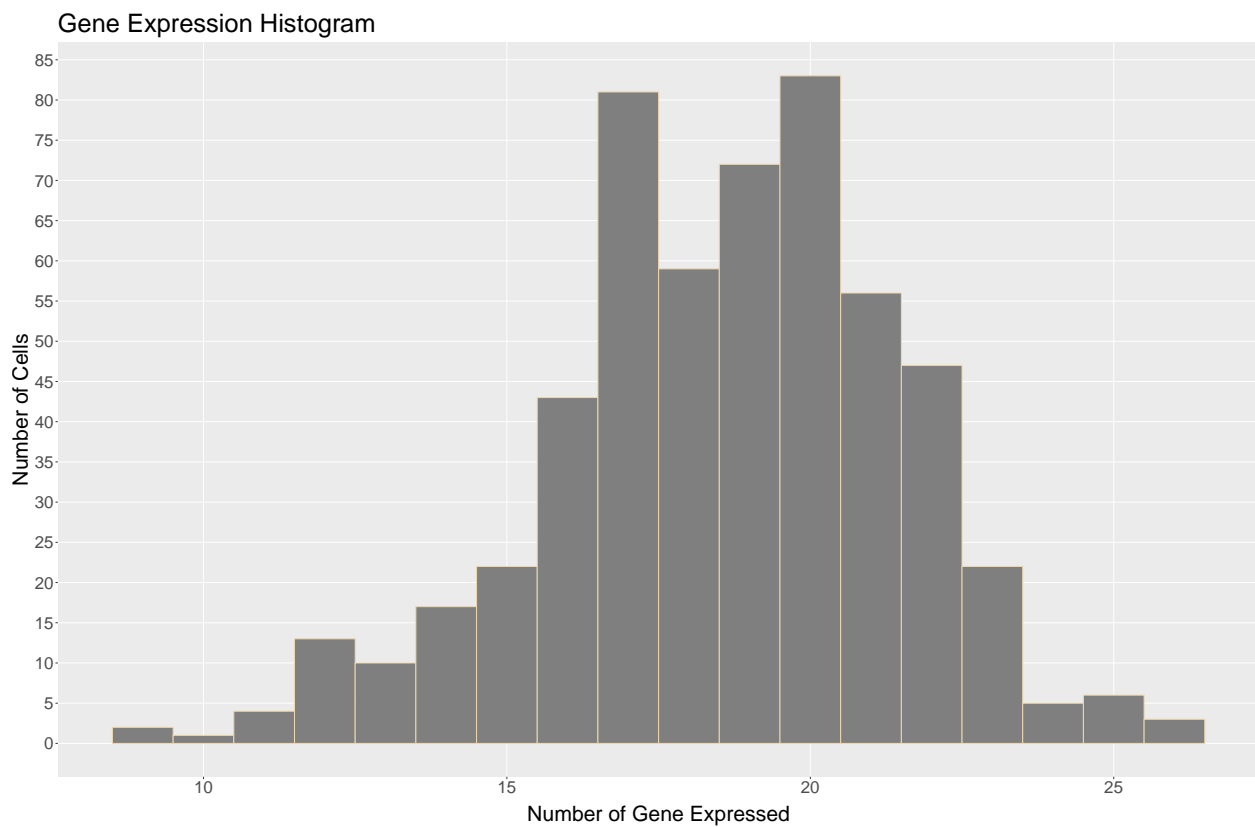
Cross comparison heat map: PD1+/ICOS+ cells with top_20 Tetramer expressing genes



Cross comparison heat map: Tetramer cells with top_20 PD1+/ICOS+ expressing genes



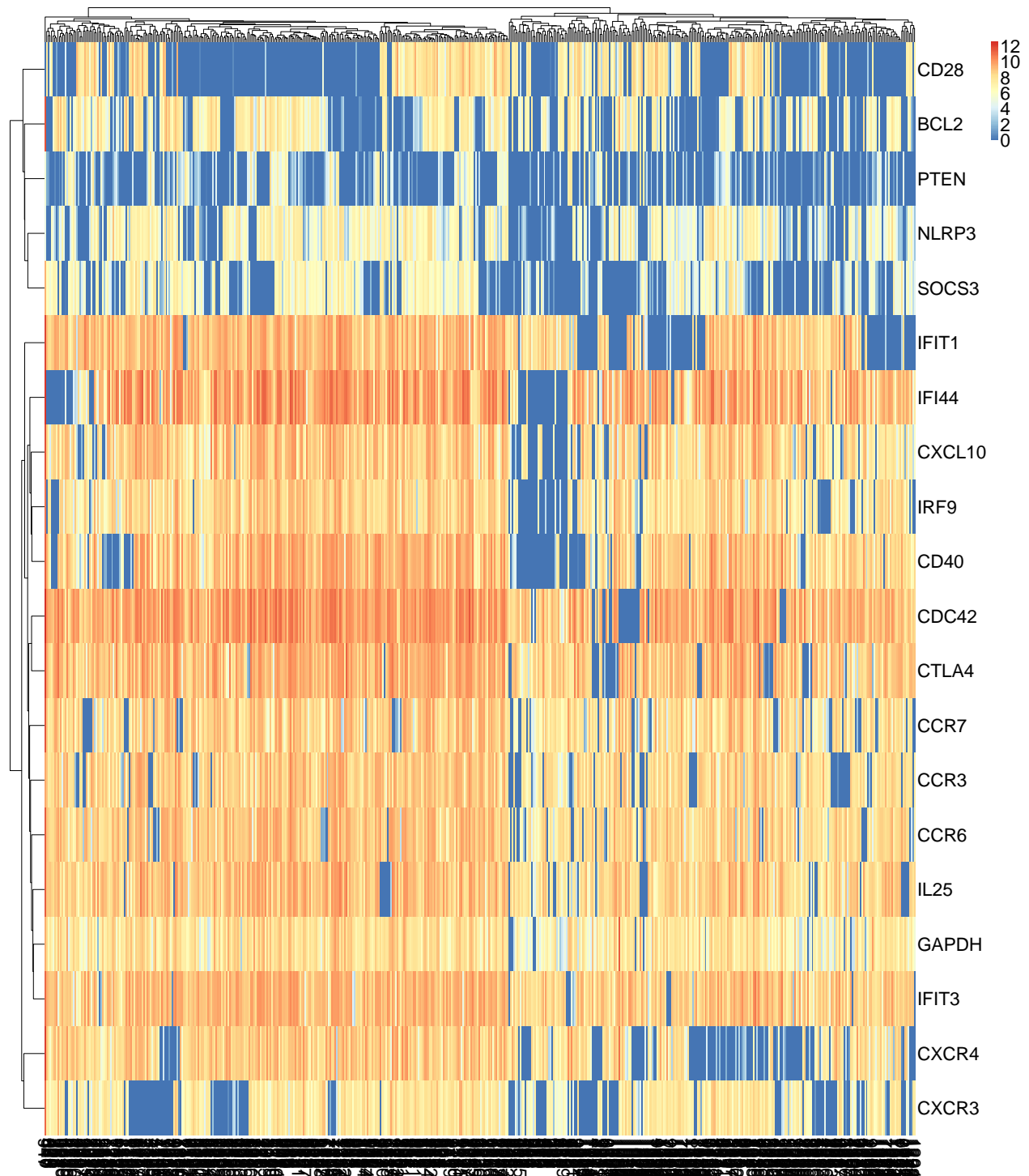
Tetramer cells with Low/High expression level analysis and Cross Comparision



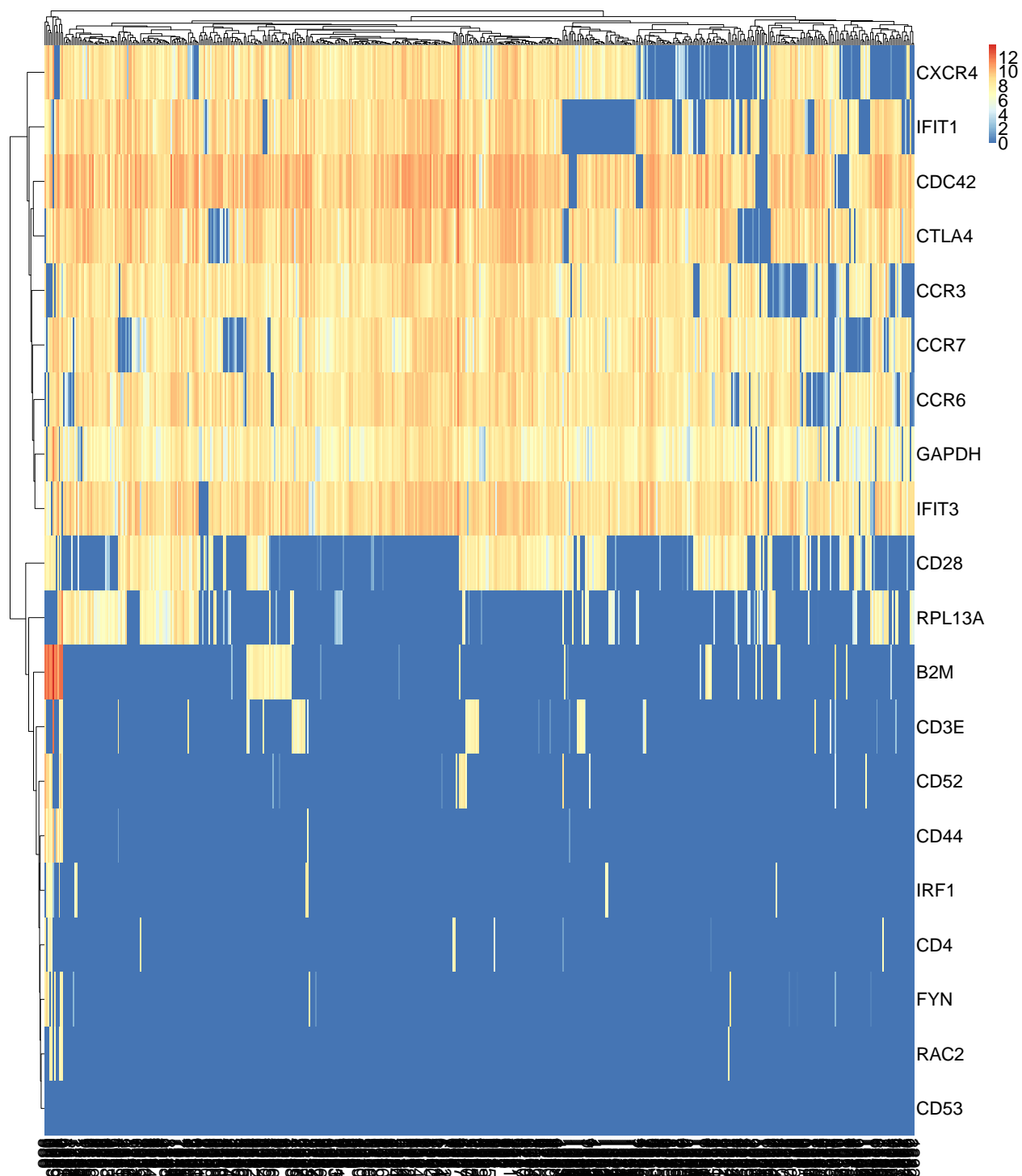
[1] "Total number of cells: 546"

[1] "Top 20 expressing genes: "

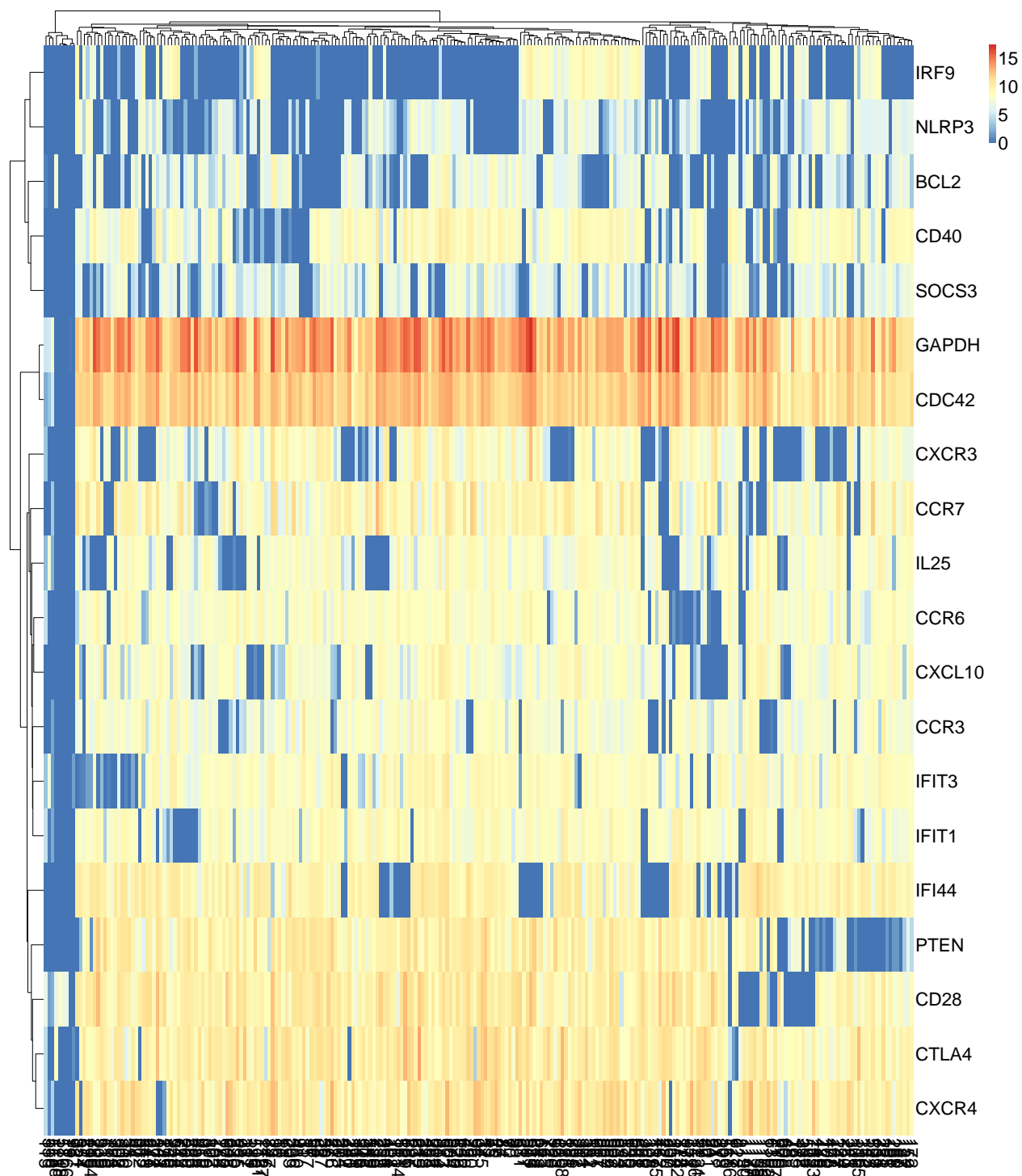
[1] "GAPDH"	"IFIT3"	"CCR6"	"CDC42"	"CTLA4"	"IL25"	"CCR7"
[8] "CCR3"	"CXCL10"	"IFI44"	"IRF9"	"CD40"	"IFIT1"	"CXCR4"
[15] "NLRP3"	"CXCR3"	"BCL2"	"SOCS3"	"CD28"	"PTEN"	



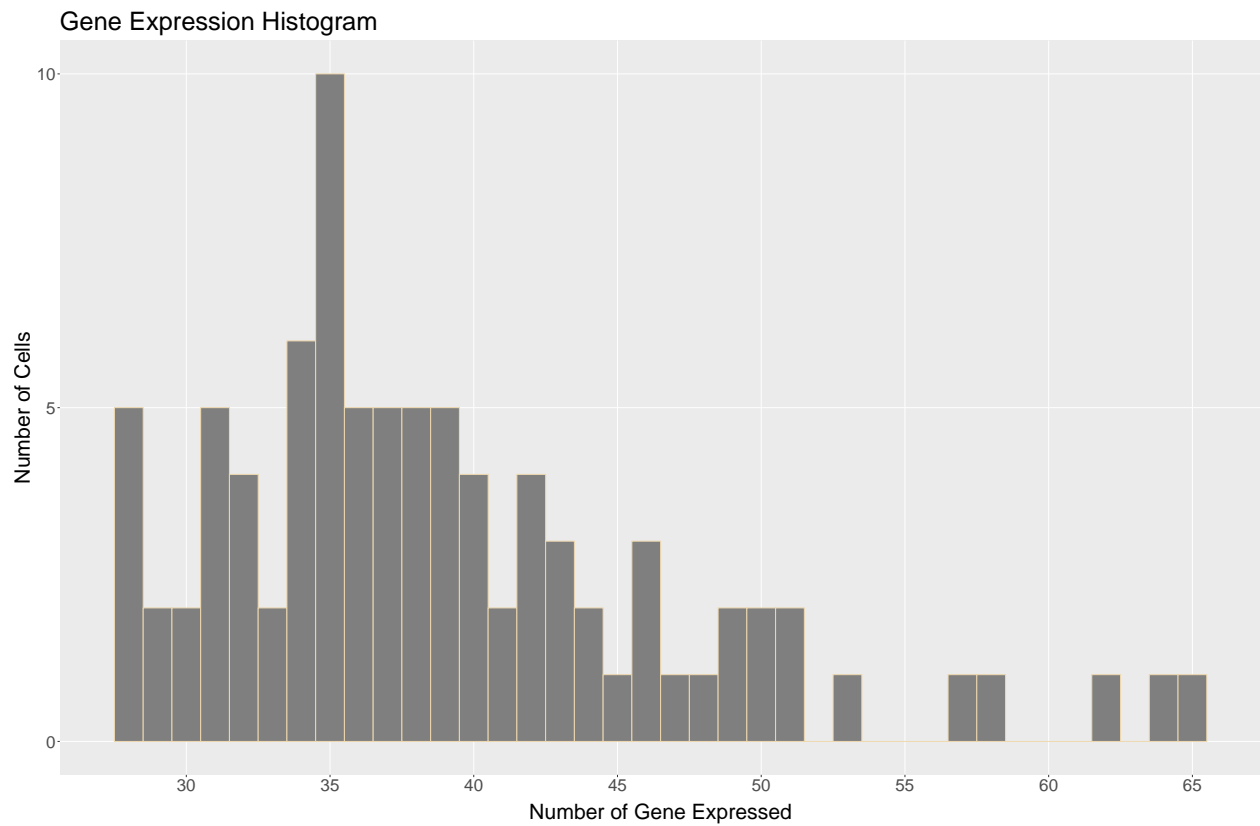
[1] "Specific analysis for cells with low expression level"



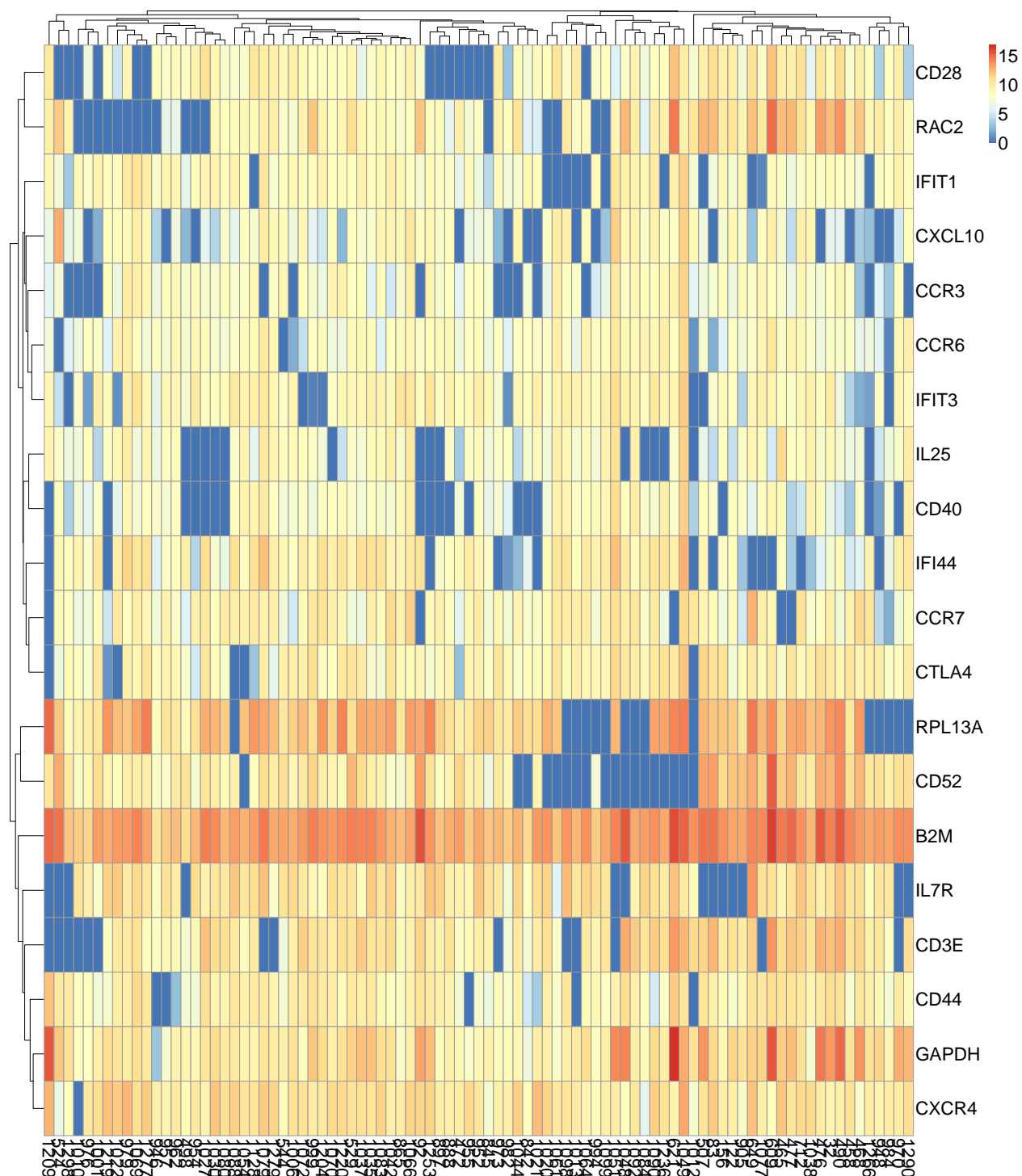
[1] "Cross Comparision: Low Expression Tetramer cells with Top 20 PD1/ICOS genes"



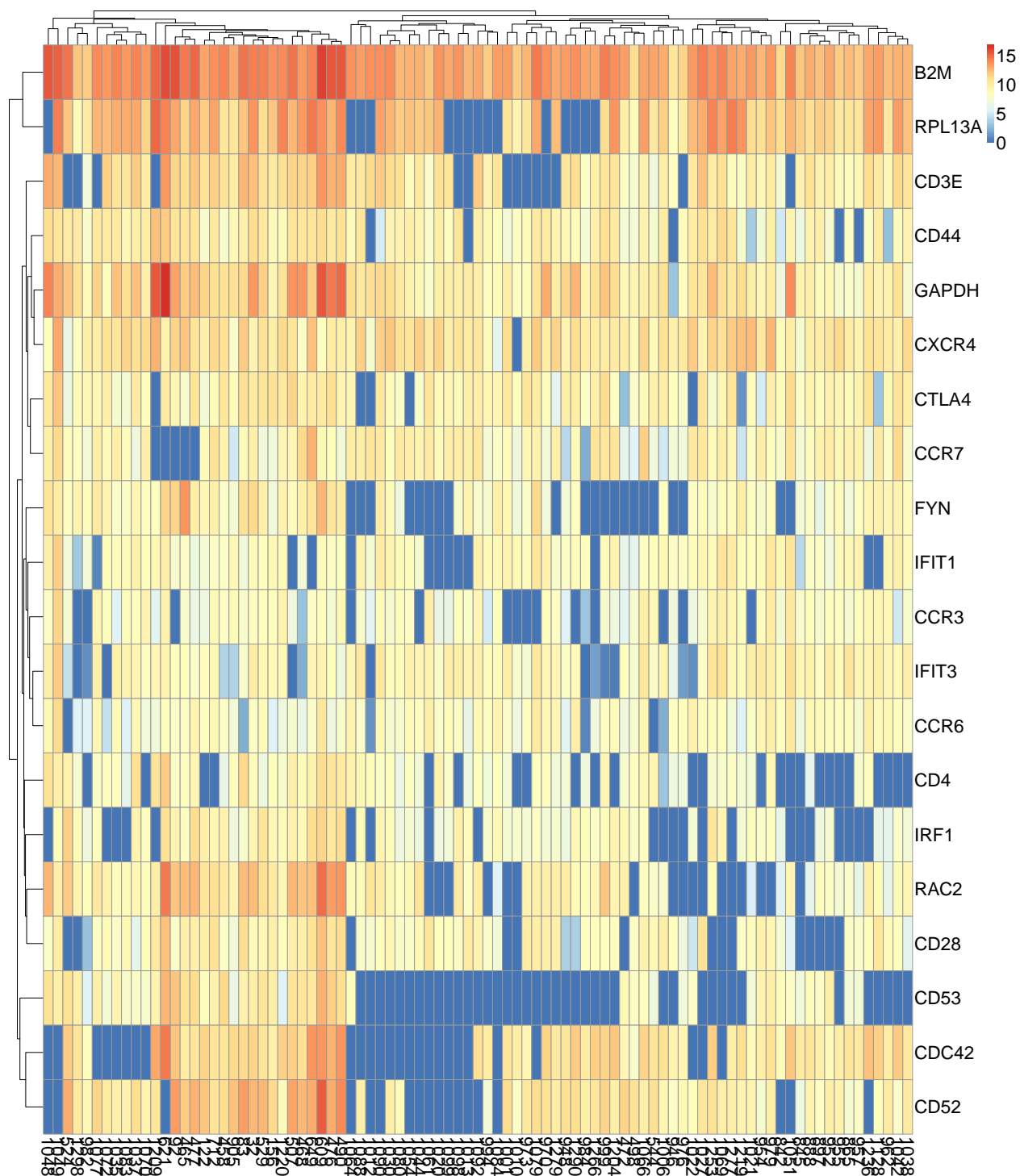
[1] "Cross Comparision: PD1/ICOS cells with Top 20 Low Expression Tetramer genes"



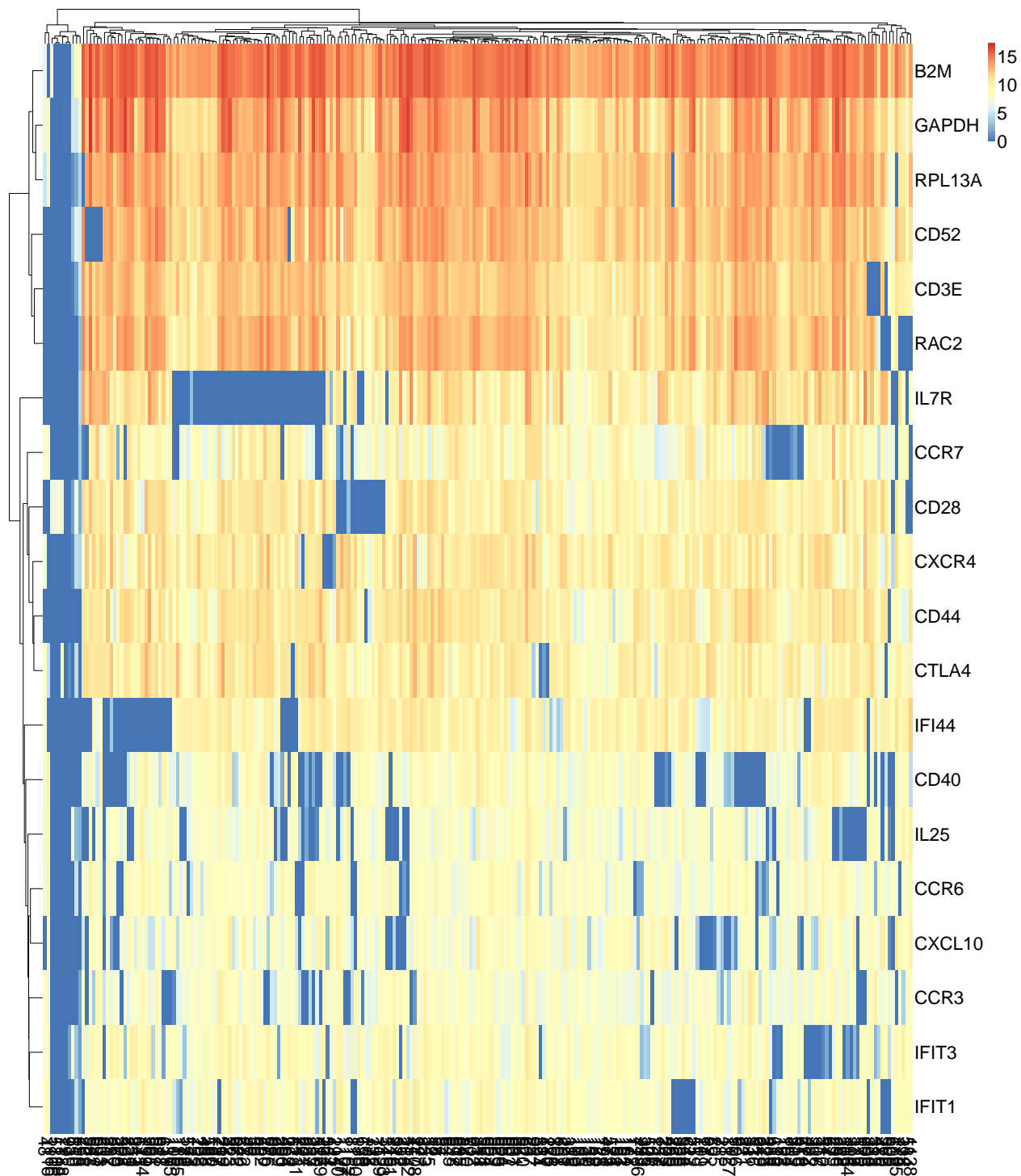
```
[1] "Total number of cells: 89"
[1] "Top 20 expressing genes: "
[1] "B2M"      "GAPDH"    "CXCR4"    "CCR6"     "IFIT3"    "CCR7"     "CD44"
[8] "CTLA4"    "IFIT1"    "IFI44"    "IL7R"     "CCR3"     "CD28"     "CD3E"
[15] "CXCL10"   "IL25"     "RPL13A"   "RAC2"     "CD40"     "CD52"
```



[1] "Specific analysis for cells with high expression level"



[1] "Cross Comparision: High Expression Tetramer cells with Top 20 PD1/ICOS genes"



[1] "Cross Comparision: PD1/ICOS cells with Top 20 high Expression Tetramer genes"