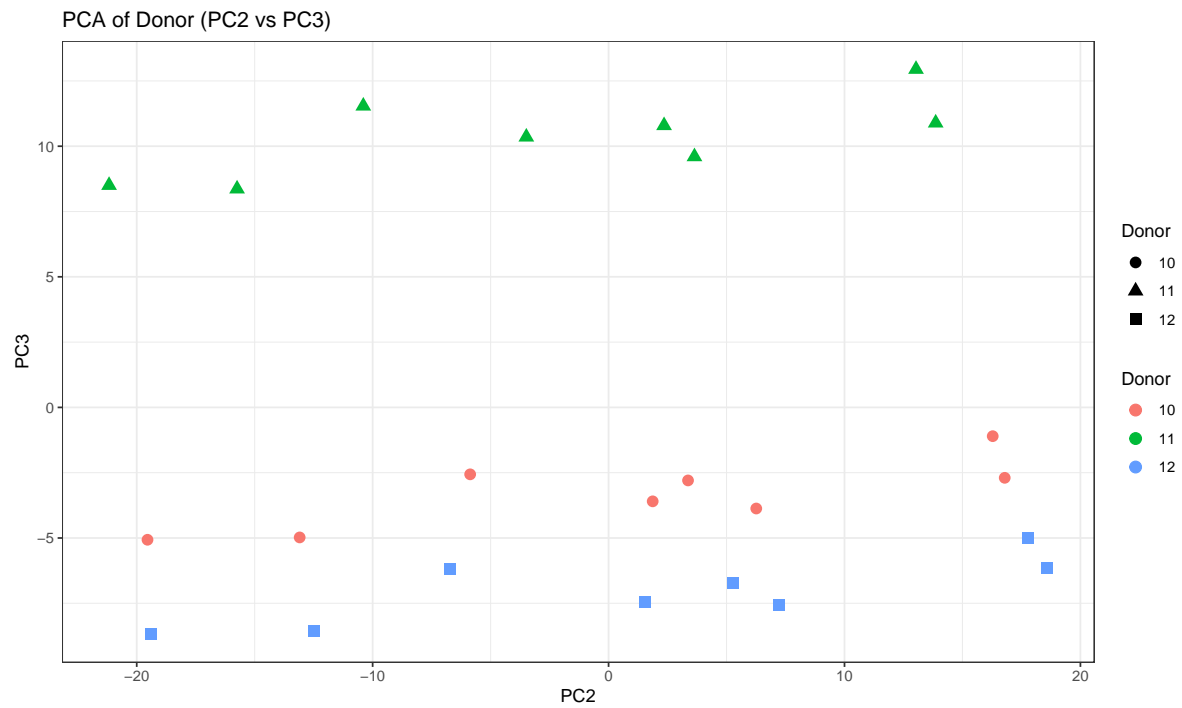


Rapport - Batch 2

General Overview Analysis: Global Expression Patterns

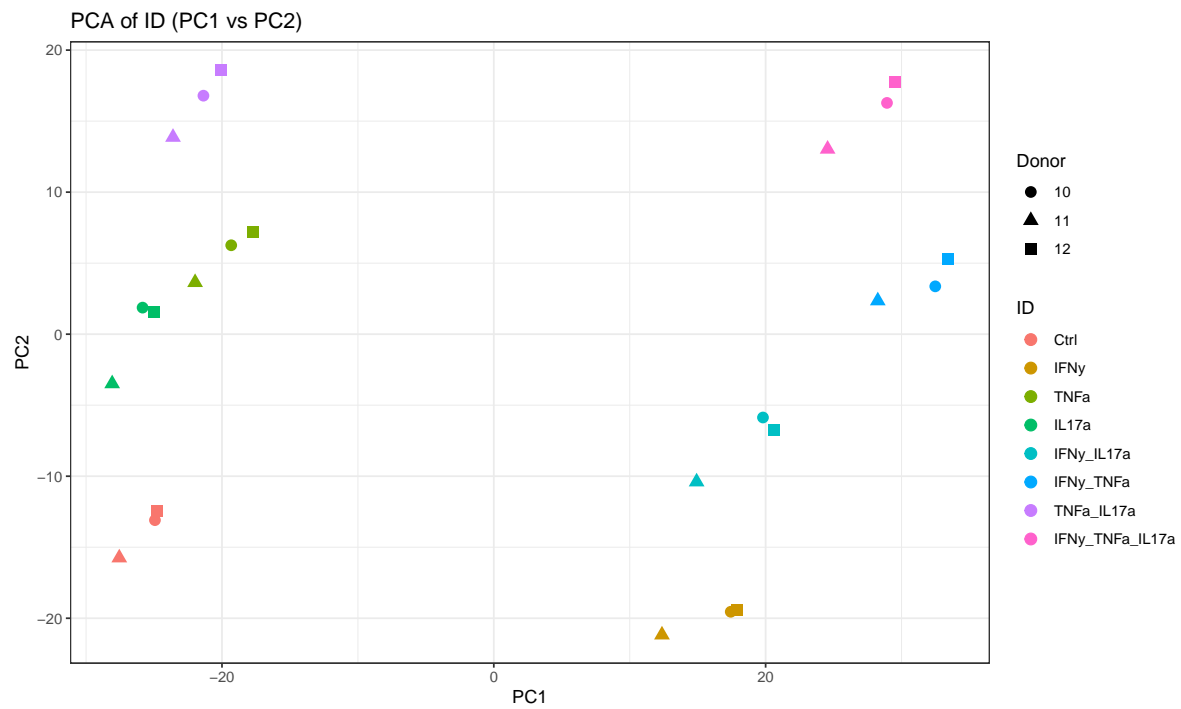
PCA - Donor Grouping of donors is seen in PC3. Donor 10 and 12 seems to be more similar than donor 11.

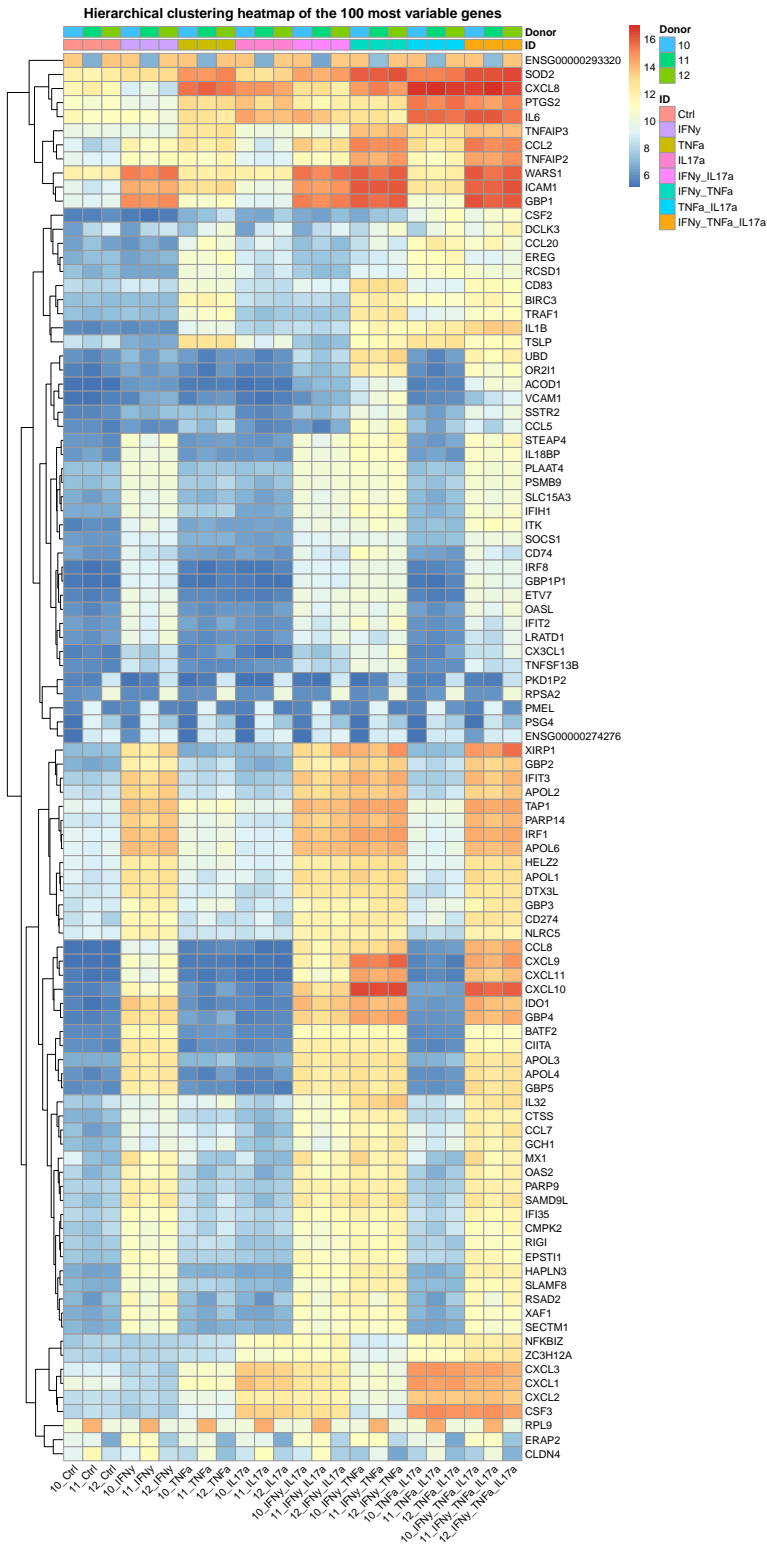


PCA - Treatment Grouping of treatment (ID) is seen in PC1 and PC2.

PC1 seems to separate treatments (ID) with and without INF γ .

PC2 seems to separate treatments (ID) with and without TNF α .





General Overview Analysis: Differential Expression Analysis

Example of p-value histogram. They all show this pattern which shows that the model fits the data well.

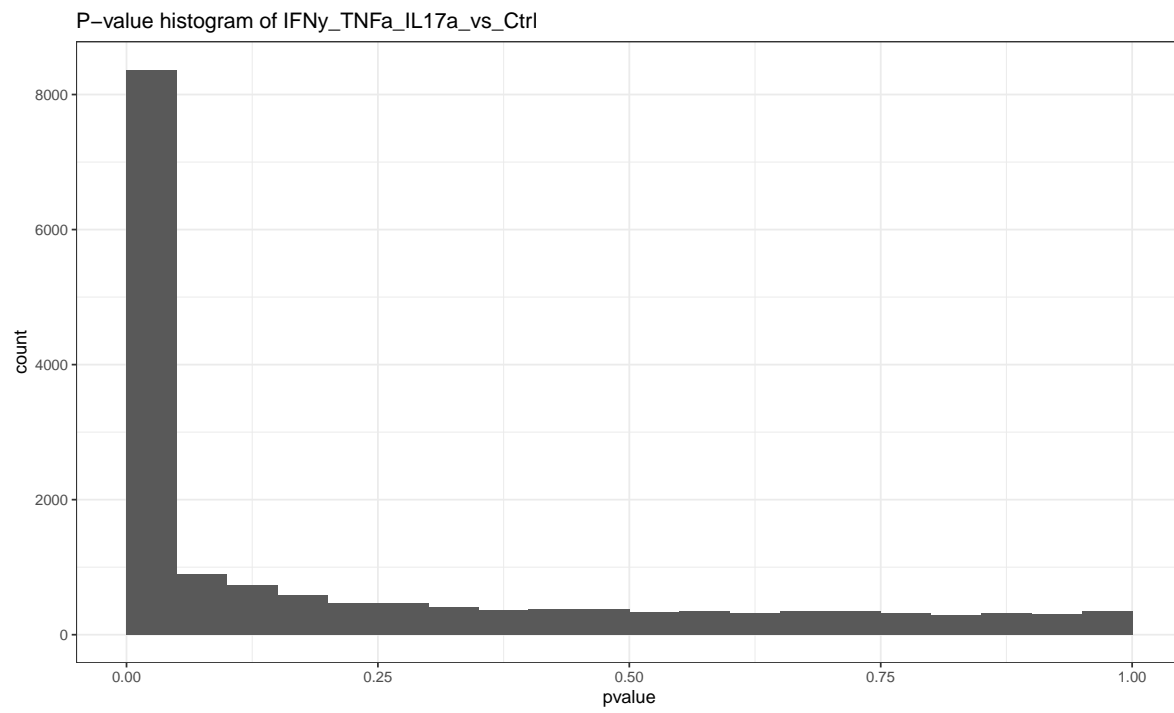
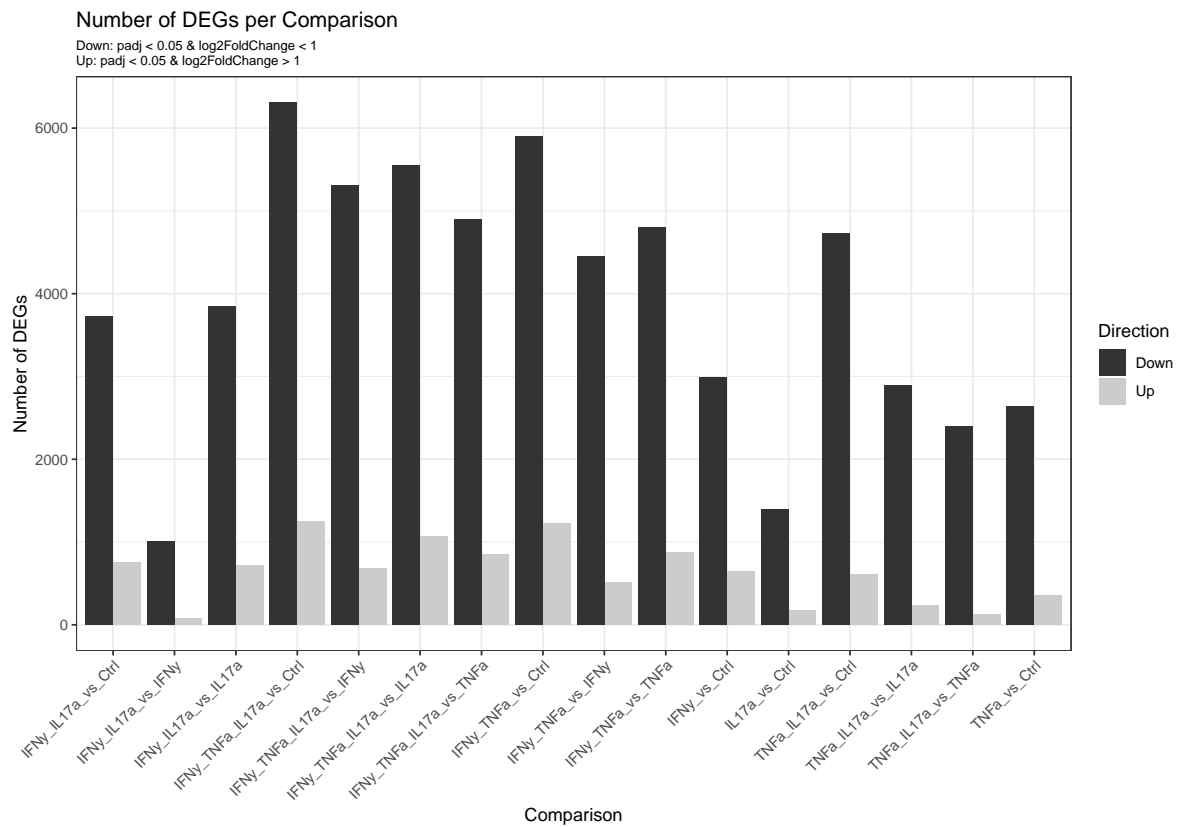


Figure 1: H

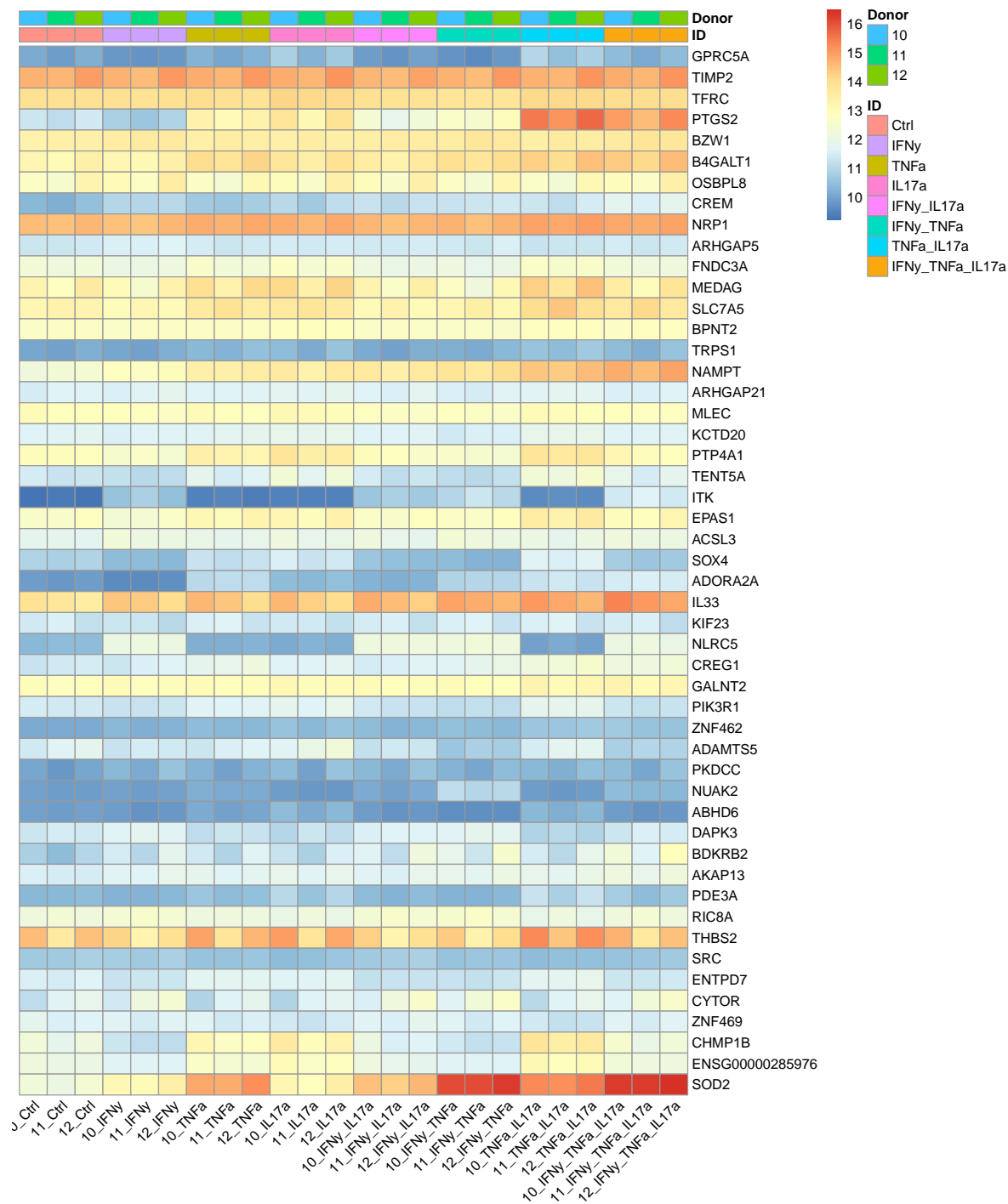
General Overview Analysis: Top Differential Expressed Genes

Number of DEGs in each comparison. Notice the thresholds in the subtitle of the plot.

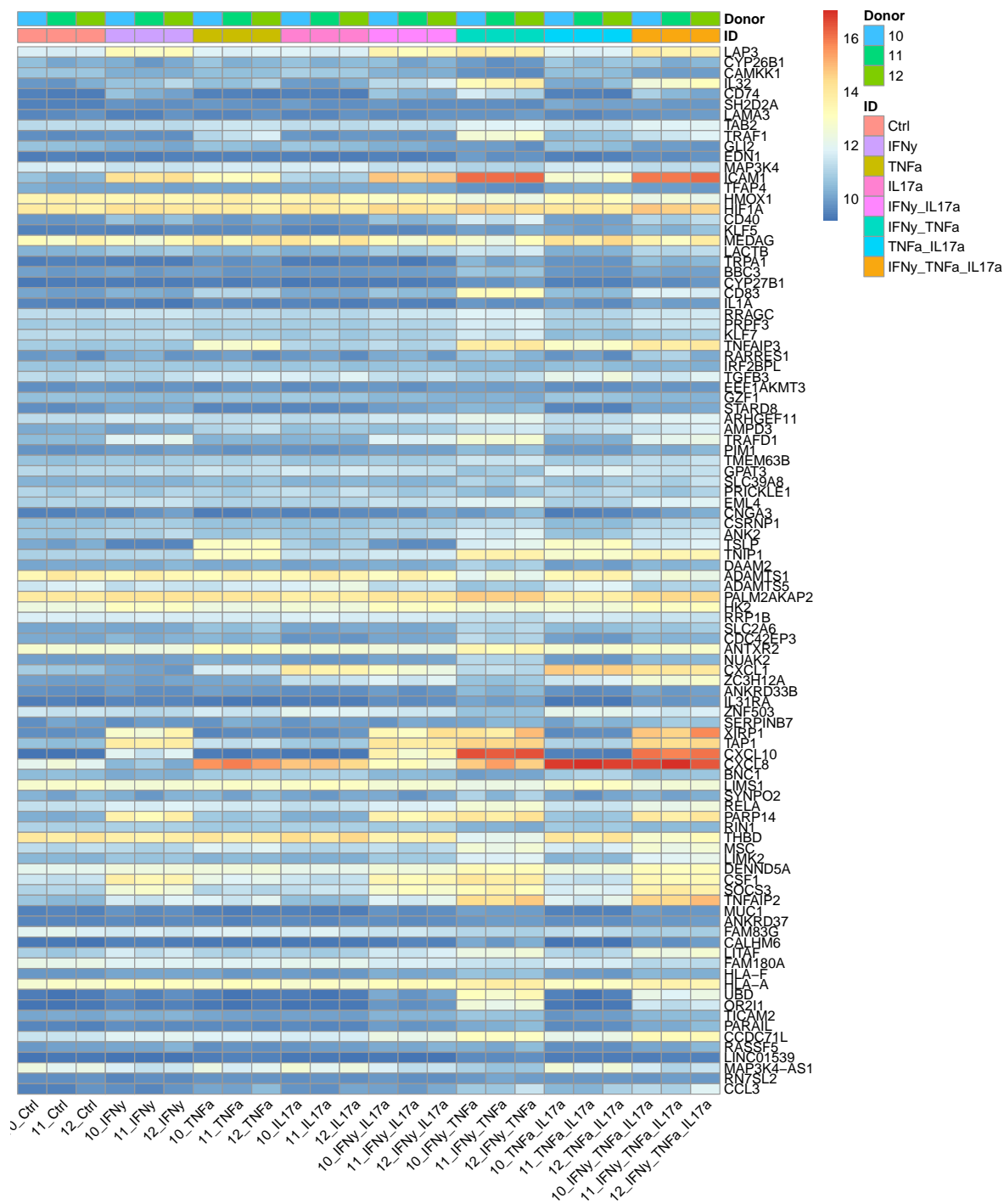


Synergy analysis

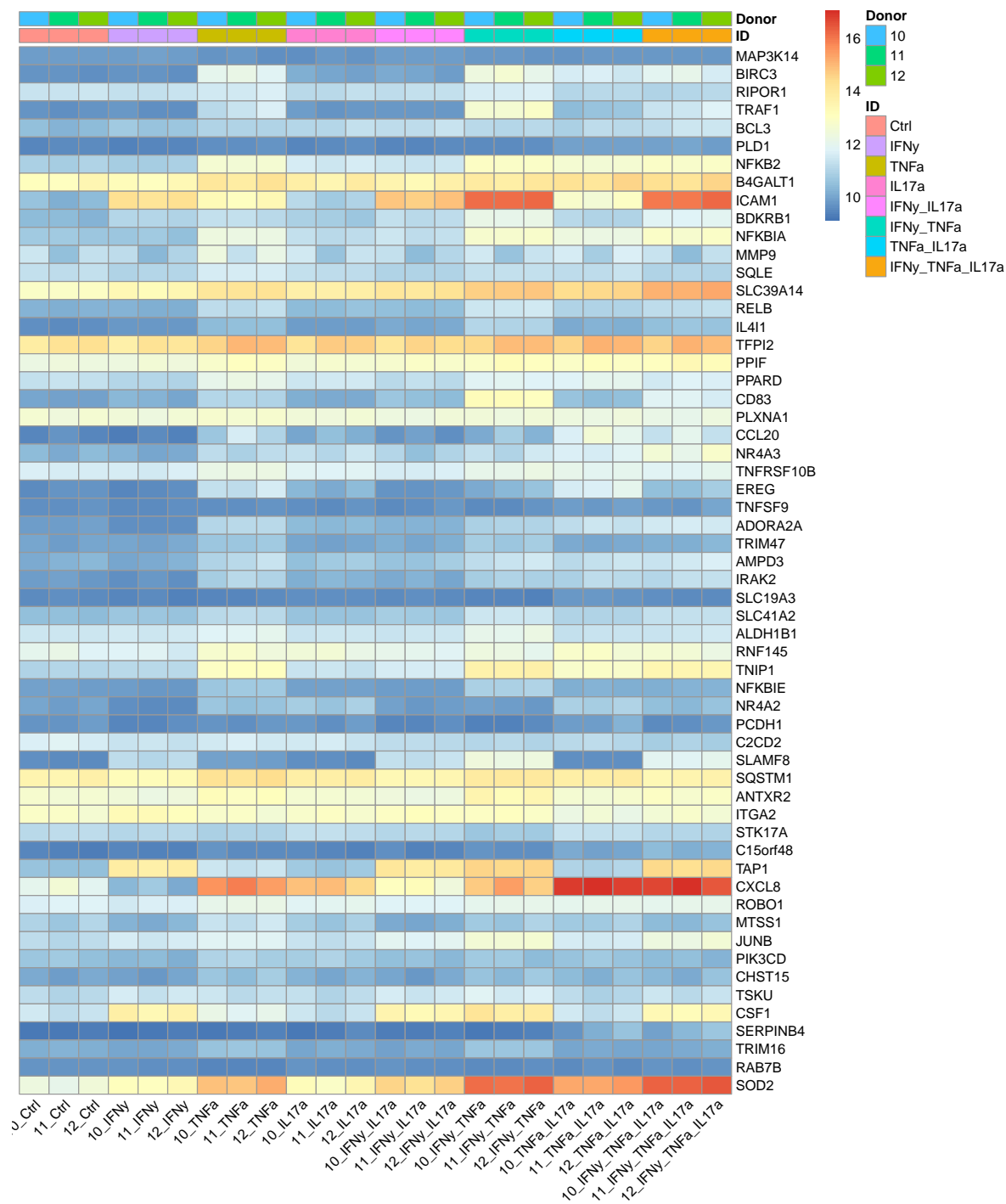
IFN γ _IL17a synergy



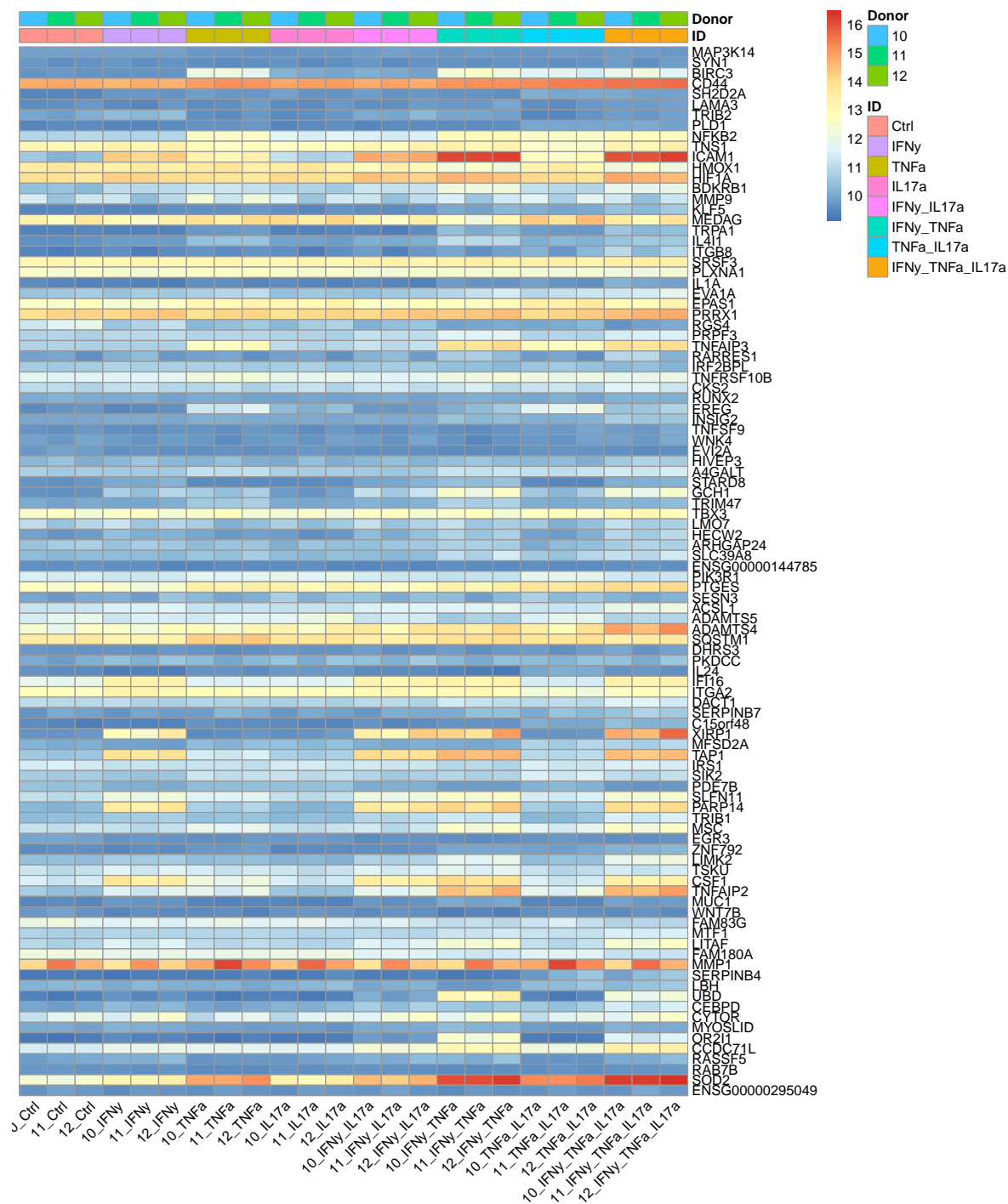
IFN γ _TNF α synergy



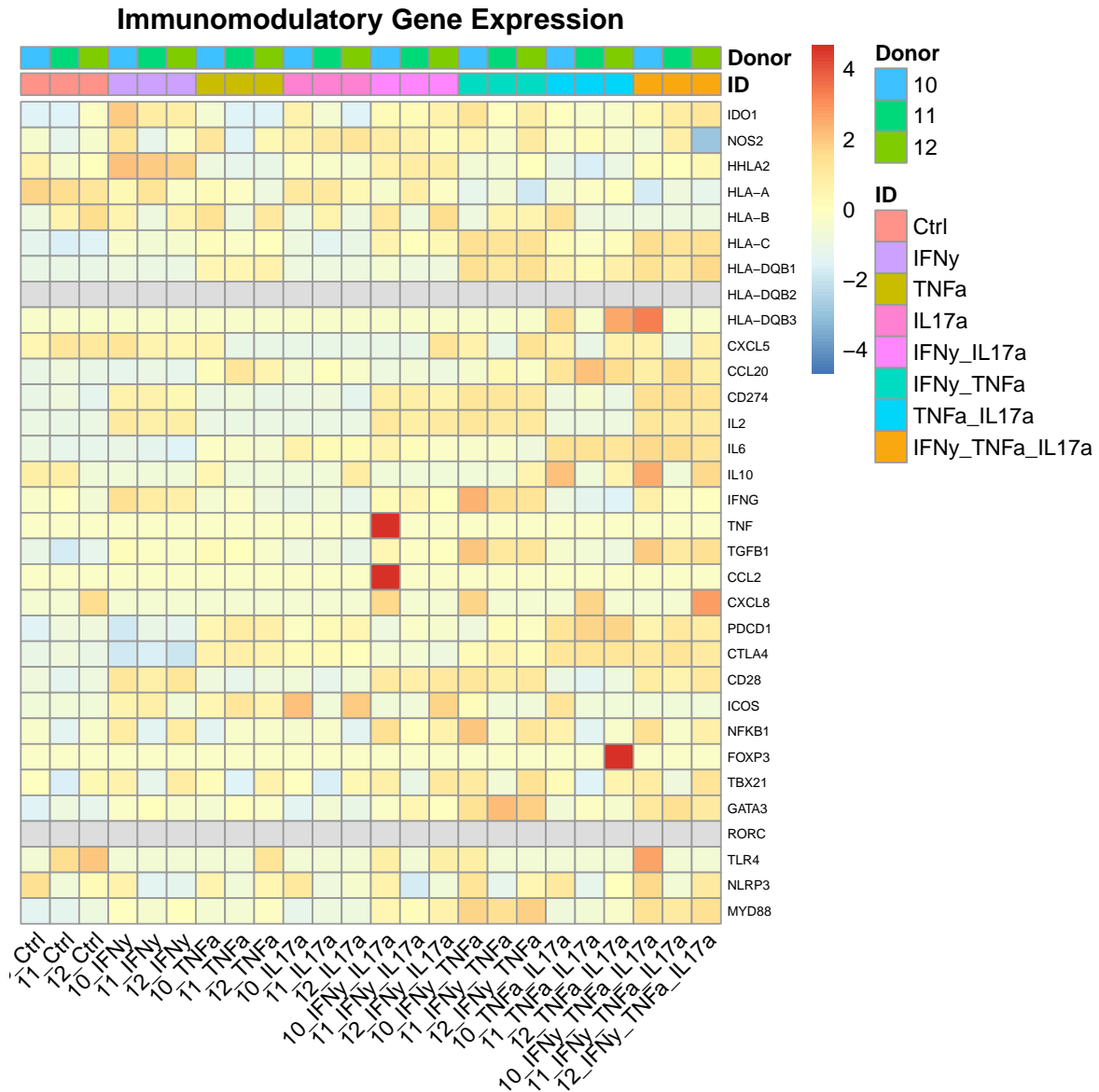
TNFa_IL17a synergy



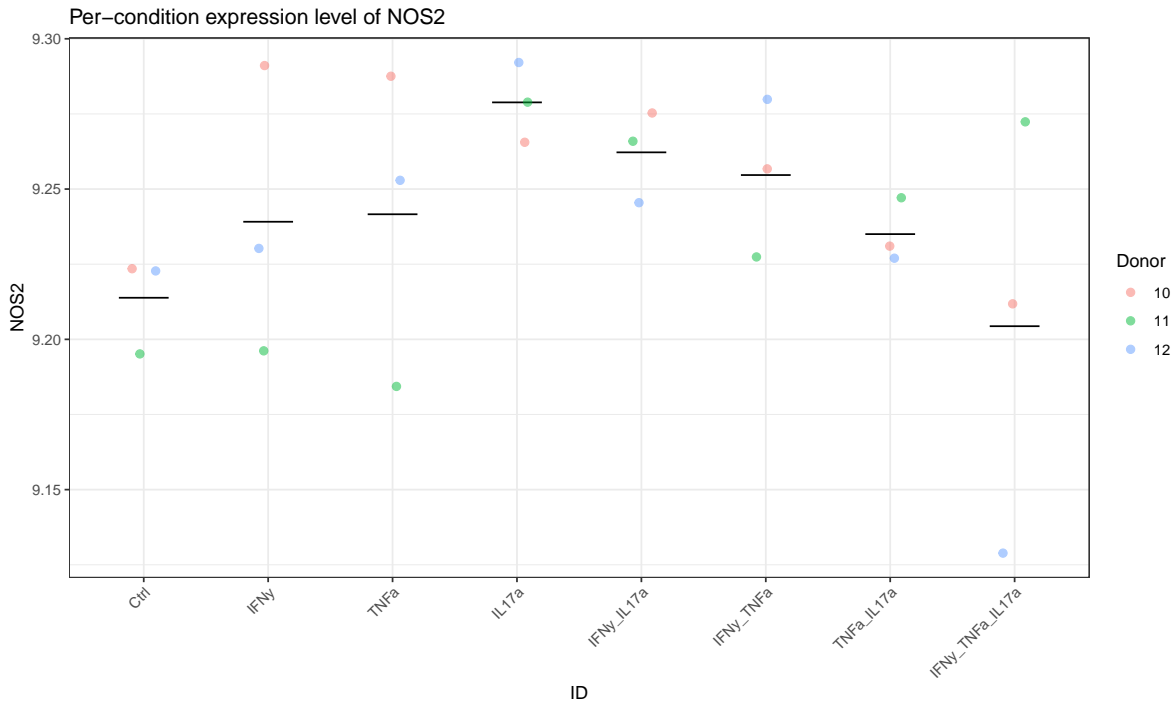
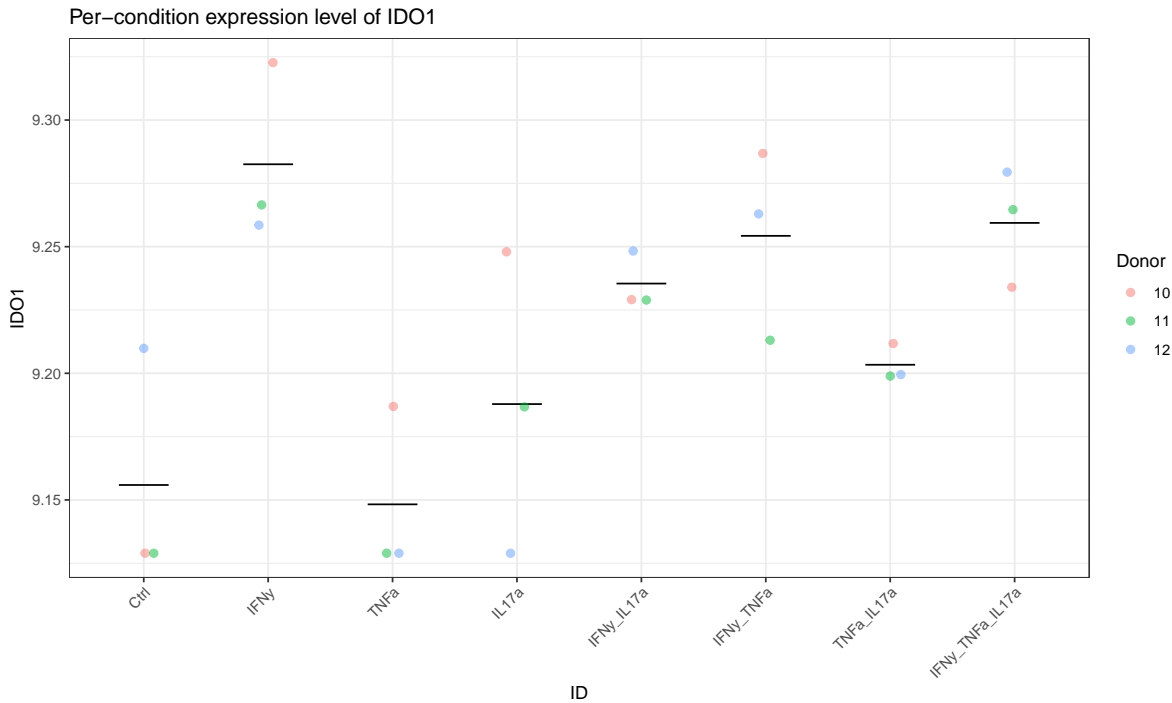
IFN γ _TNFa_IL17a synergy



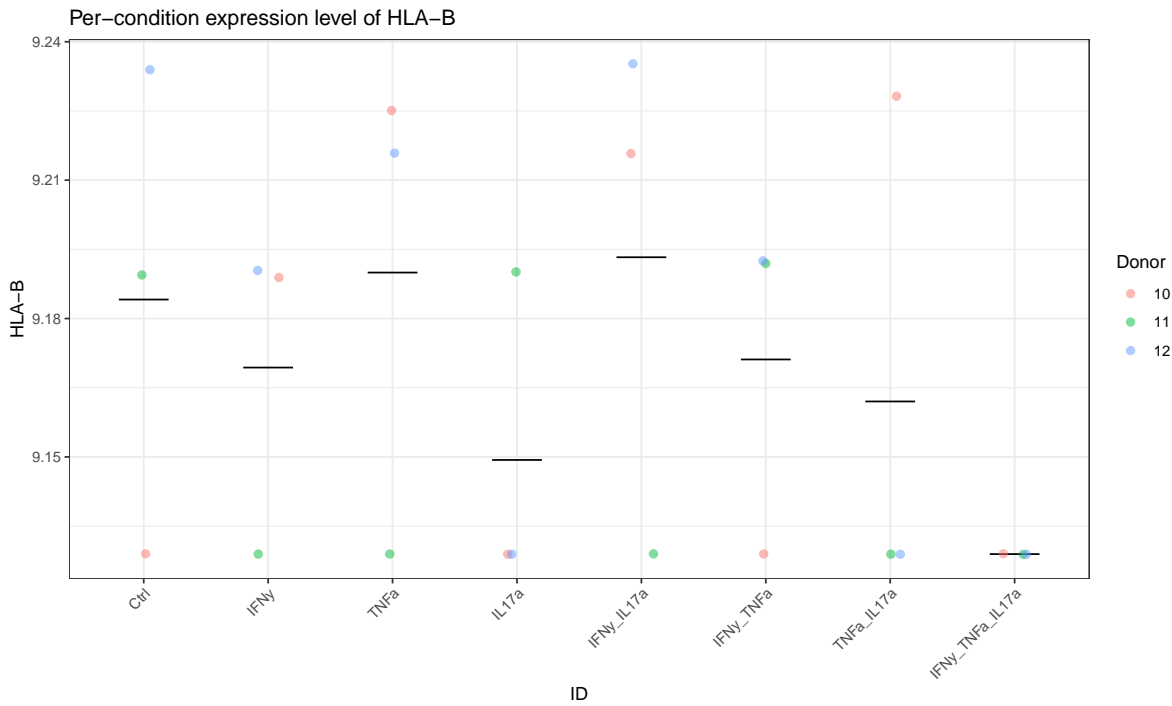
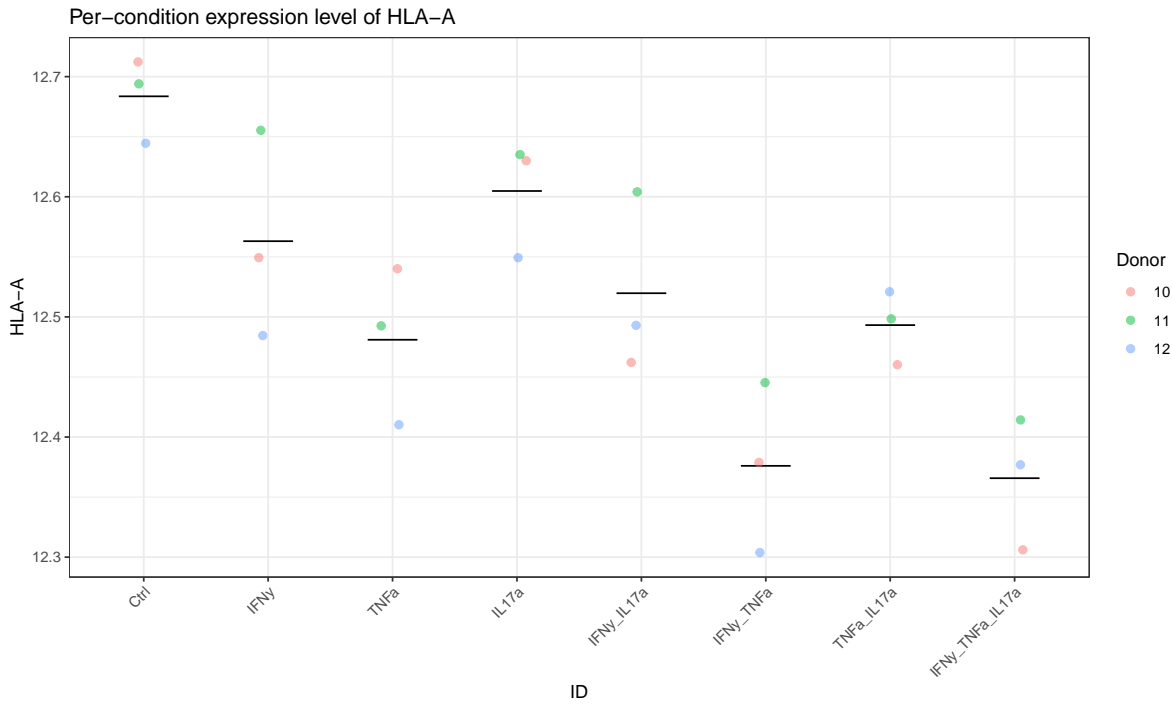
Heatmap of expression of some immunomodulatory genes.

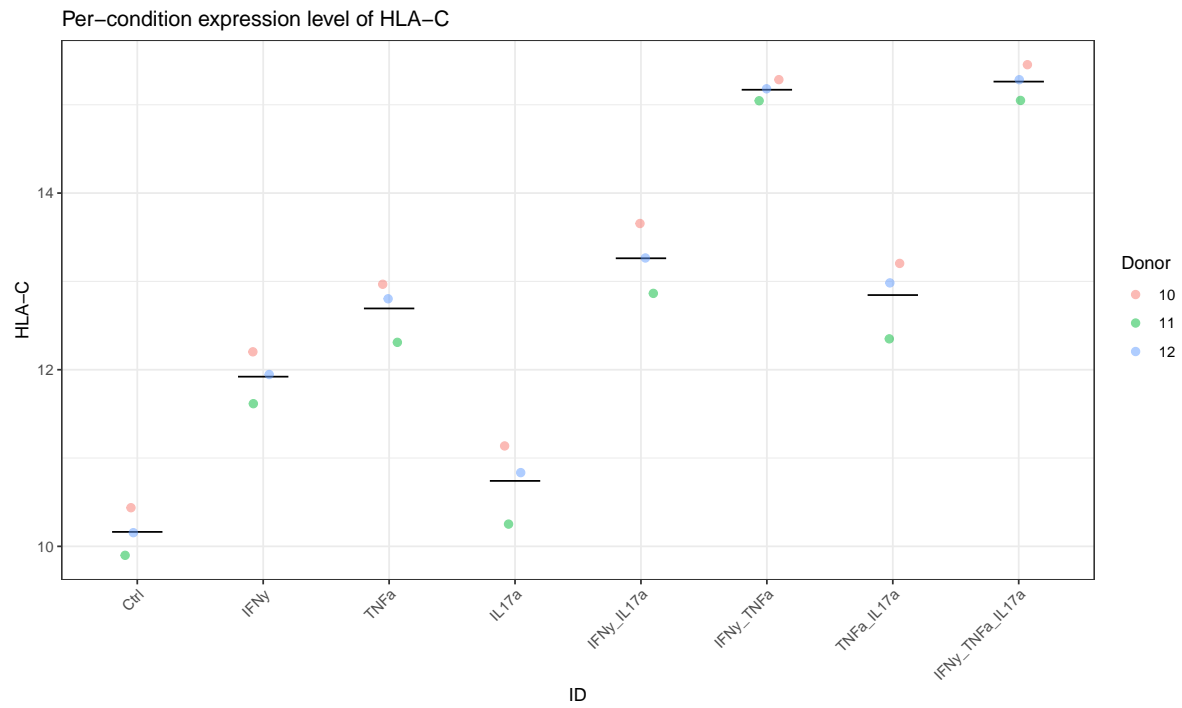


Zooming in on expression of specific immunomodulatory genes. Horizontal line is the mean.



Human Leukocyte Antigens (HLAs)





HLA-DQB1

