Graphs for Amita's paper

### Karen Cristine Goncalves dos Santos

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For this graph, I calculated the zscore ratios. The zscore I calculated with the formula:

$$zscore = (X - MEAN)/STDEV$$

Where X is the average abundance of each protein in a sample, MEAN and STDEV are the average and the standard deviation, respectively, of the abundance of each protein accross the experiment.

I calculated the ratios and did the log_2 transformation, then I did the filtering that the people from U Laval did (|zscore ratio| > 1.96 & qValue < 0.05).
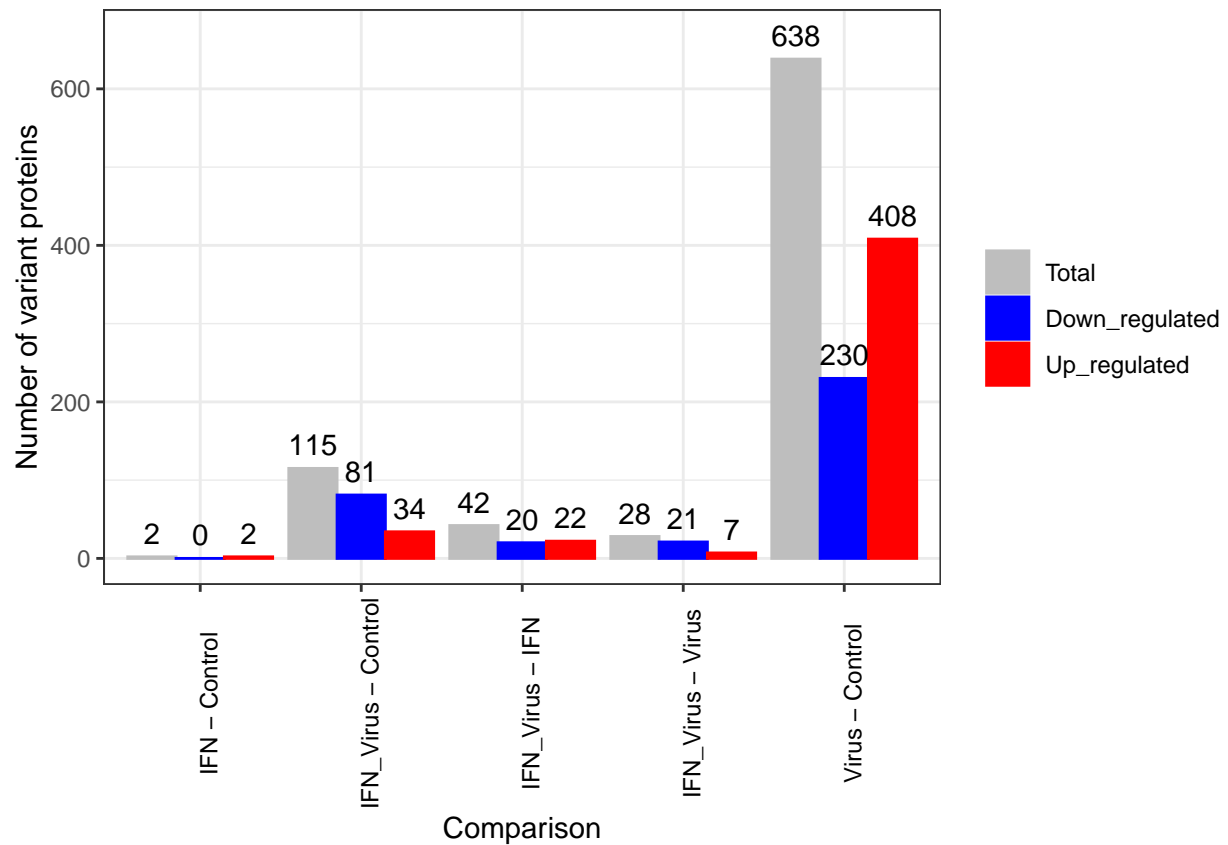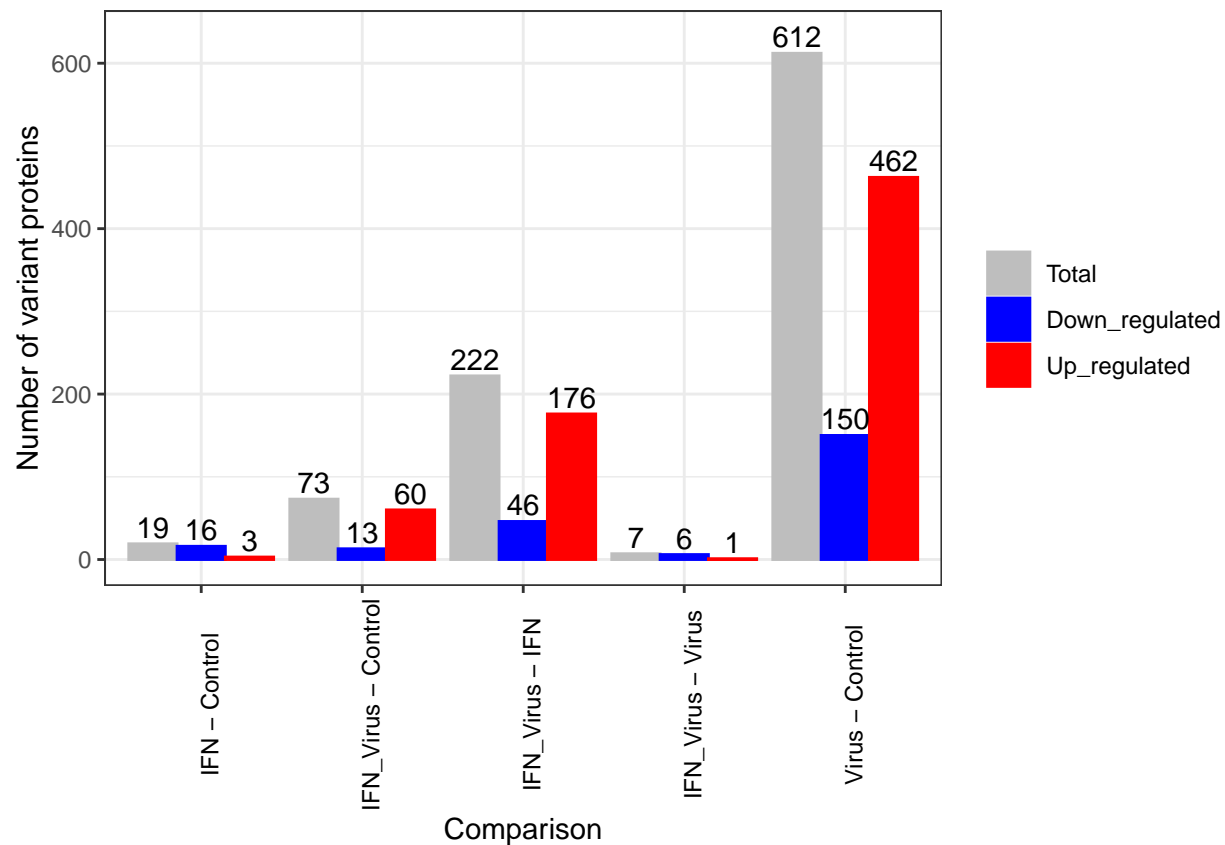
Here I took the log_2 transformed zscore ratios from the excel sheet, de-transformed the values (2^X, being X each abundance ratio) and got the inverse (1/de-transformed values). Then I did the filtering that the people from U Laval did ($|log_2(\text{zscore ratio})| > 1.96$ & qValue < 0.05).