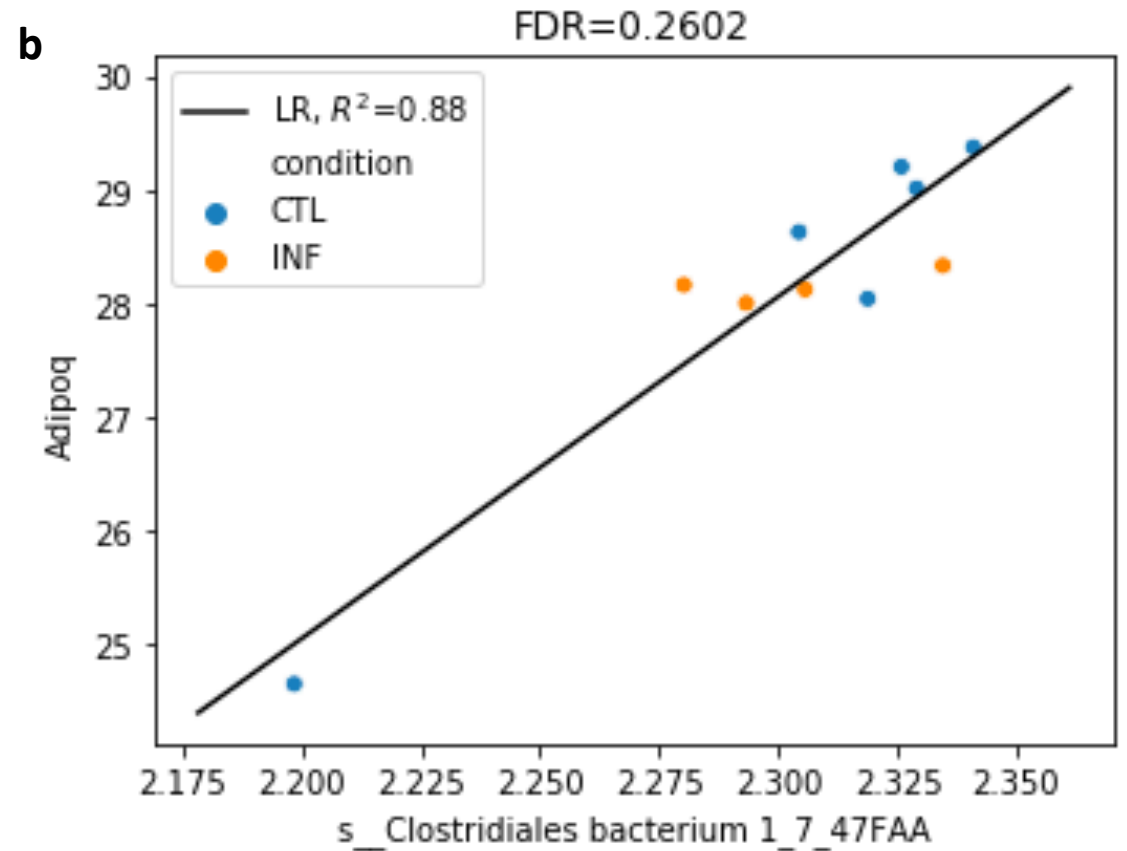
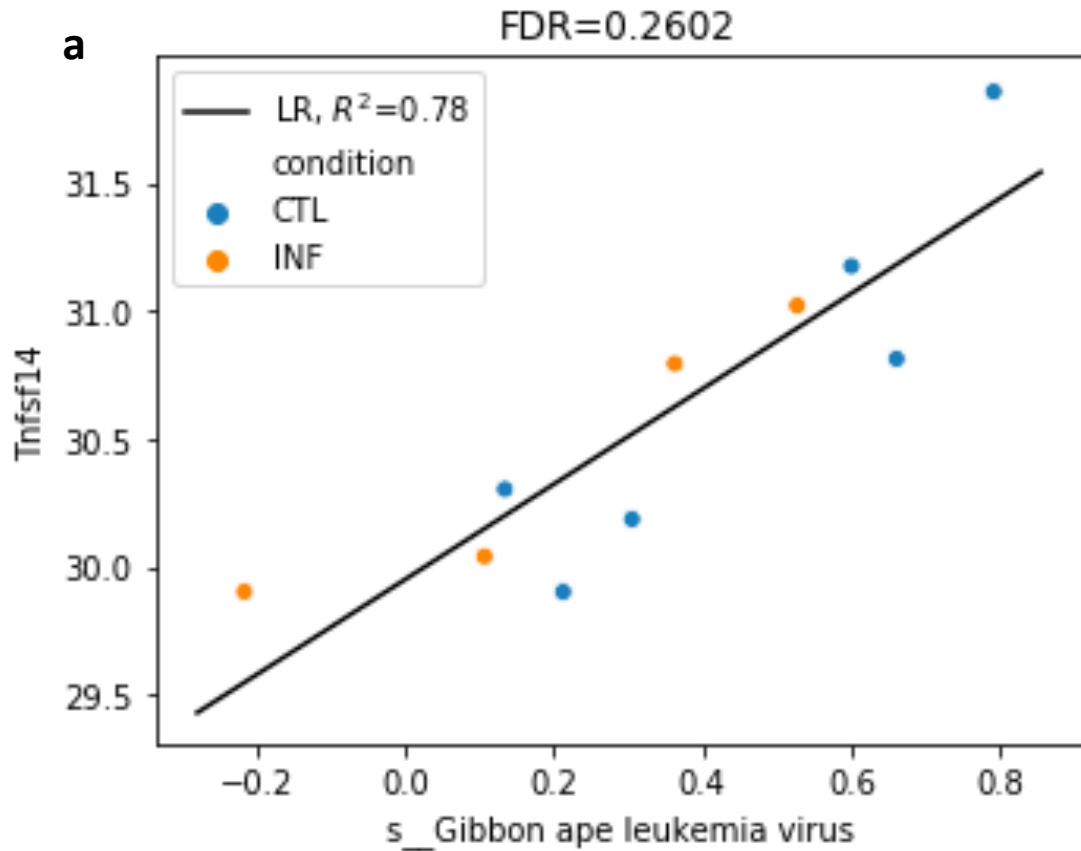


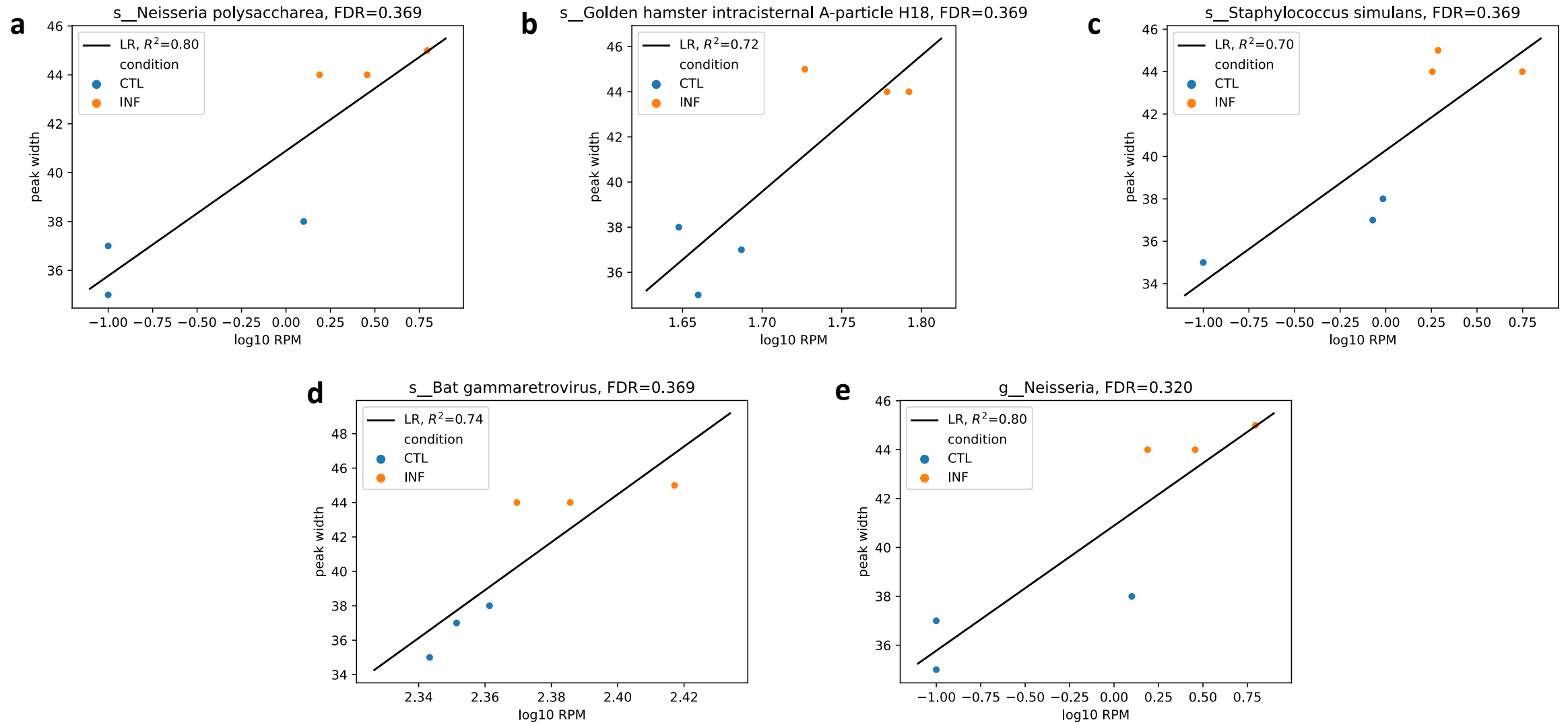
Supplemental Figure 1



Supplemental Figure 1. Specific immune genes are associated with specific bacterial and viral species

The graphs show the top viral (a; Gibbon ape leukemia virus) and bacterial (b; Clostridiales Bacterium) species that are associated with immune genes in this model. The X-axes show the abundance of microbes/viruses and the Y-axes show the level gene expression of the immune genes.

Supplemental Figure 2



Supplemental Figure 2. Specific viruses and bacteria are associated with increased PDL space

The graphs show the association between several viruses and bacteria (genus and species) and PDL space (a-e). The X-axes show the peak PDL width and the Y-axes show the viruses and bacterial species and genus.