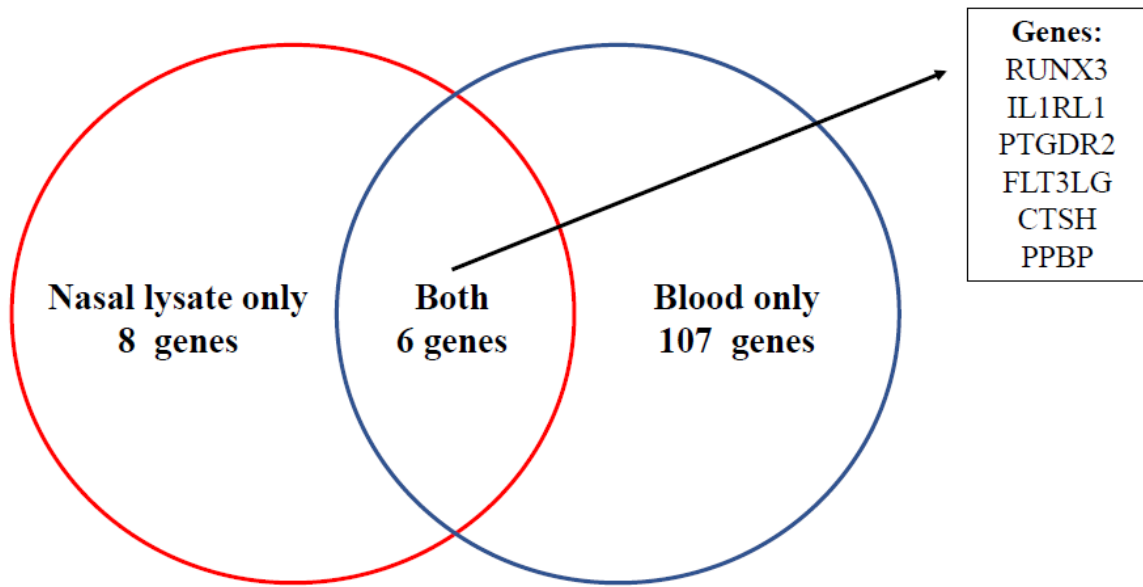


Supplementary Figure 1: Top 10 Individual correlation plots for the differentially expressed genes in blood and clinical factors. Each point represents a sample (filled circles). Clinical factors are on the y axis and gene counts are on the x axis. Lines of best fit are plotted as a solid line with the 95% confidence bands as a dotted line for each correlation. Each correlation was significant ($p < 0.05$) and the direction indicates a negative or positive correlation. Correlations for IgE *D.farinae* and IgE *D.pteronysinus* were conducted on AR samples only ($n=45$). The remaining correlations were performed with the inclusion of the control group samples ($n=69$ total).



Supplementary Figure 2. Venn diagram displaying the number of DEGs unique to nasal lysate and blood samples and DEGs that were shared between both sample types.