



Figure 7: Empirical validation of machine learning results. A. Boxplot of the pathogen colonization for each PR-strain treatment and controls. B. Boxplot of the pathogen colonization for random-strain treatments and controls. The inter quartile ranges of the axenic and SynCom-35 controls are shaded in grey. Significant differences in pathogen colonization were estimated with the best model including strain inoculation as fixed effect, and a random intercept for the experimental effect. Lettering corresponds to significance groups at a 0.05 level after Bonferroni correction with the whole family of pairwise comparisons in each panel.