

Supplemental Figure 1: Performance of discovery models to predict bacterial and viral disease. (A) AUROC curve of the discovery cohort for GF-B/V. (B) AUROC curve of the discovery cohort for the bacterial vs. non-bacterial model and the viral vs. non-viral for the GF-B/V/N. (C) Predicted probabilities for the GF-B/V model in the discovery cohort for bacterial pathogens (blue) compared to viral pathogens (orange). (D) The probabilities of bacterial pathogens (blue) using the bacterial vs. nonbacterial classifier and the viral pathogens (orange) using the viral vs. nonviral model. Performance of noninfectious control (green) samples are shown for each model. Gram negative bacilli = *Escherichia coli*, *Klebsiella pneumoniae*, RSV = Respiratory Syncytial Virus

