



Figure 4: Correlation among pathogen colonization, overall commensal colonization, evenness, and phylogenetic diversity. Regression lines were obtained from best mixed effect models (see Methods for more details). A. Pathogen colonization against overall Mini5SynCom commensal colonization. B. Pathogen colonization against Mini5SynCom evenness. C. pathogen colonization against mean pairwise distances weighted with strain abundances. Significance levels of the coefficient of the fixed effect are indicated above plots: 0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’. Abbreviations: Exp, experiment.