



**Figure S5 Genera with significantly different abundances between severe cases and mild cases and control individuals.** Boxplots show Hellinger transformed abundances for all genera that had significantly different abundances ( $P < 0.05$ ) in severe cases compared to ae/control individuals. P-values were computed based on two-sided Wilcoxon-Mann-Whitney tests after correction for confounding effects from samples processed during winter or summer months, respectively.