



**Figure S3.** Correlation heat maps showing associations (Kendall's rank correlations, not adjusted for multiple testing) between changes in clinical outcomes and bacteria abundances at the phylum level (A), class level (B), order level (C), family level (D) and genus level (E). Among the biochemical outcomes only correlations between IL-6 and glucose tAUC and *Veillonellaceae* ( $r = -0.90$ , adj.  $P = 0.042$  for both) were significant after correction of  $P$ -values for multiple testing at the family level (D).