



**Figure S10. The top 5 most abundant annotated species in relation to mouse strain and diet.** The figure shows the top 5 most abundant annotated species, which also clearly exhibited significant changes in abundance in relation to diet. Statistical differences were analyzed by unpaired Wilcoxon Rank-Sum test (with FDR correction). Statistically significant differences ( $P < 0.05$ ) between groups are denoted with different letters (a, b, c, d) on the top of the graphic boxes.