



**Supplementary Fig. 6.** PICRUSt (Phylogenetic Investigation of Communities by Reconstruction of Unobserved States) function prediction of the gut microbiota between groups before and after intervention. Bla-Pre-treat, the intervention group before intervention; Bla-1-treat, the intervention group after intervention; Con-Pre-treat, control group before intervention; Con-1-treat, control group before intervention. Difference with statistical significance (all  $P < 0.0001$ ).