



Fig. S2 A volcano plot of differential metabolites for (A) HN+dPep vs. FN. (B) HN+dPep vs. HN. Each point represents a metabolite, while the x-axis represents multiple changes in each substance in the group. The y-axis represents the p -value of the student's t -test, while the size of the scatter represents the VIP value of the OPLS-DA model. Red dots indicate up-regulated metabolites with significant differences ($p < 0.05$, $VIP > 1$), blue dots indicate down-regulated metabolites with significant differences ($p < 0.05$, $VIP > 1$), and gray dots indicate different metabolites with no significant differences ($p > 0.05$ or $VIP < 1$). FN, MRS (DeMan, Rogosa, Sharpe) medium; HN, MRS medium without half nitrogen source; HN+dPep, HN supplemented digested soybean peptides.