

Figure S1: The significantly different species in HFD and HFD+ATO groups using the nonparametric factorial Kruskal-Wallis rank sum test at a significance level of 0.05

A: LAD score, an LDA score higher than 2 indicated a higher relative abundance in the corresponding group than in the other group; B: LefSe taxonomic cladogram; different colors suggested enrichment of certain taxa in HFD and HFD+ATO groups.

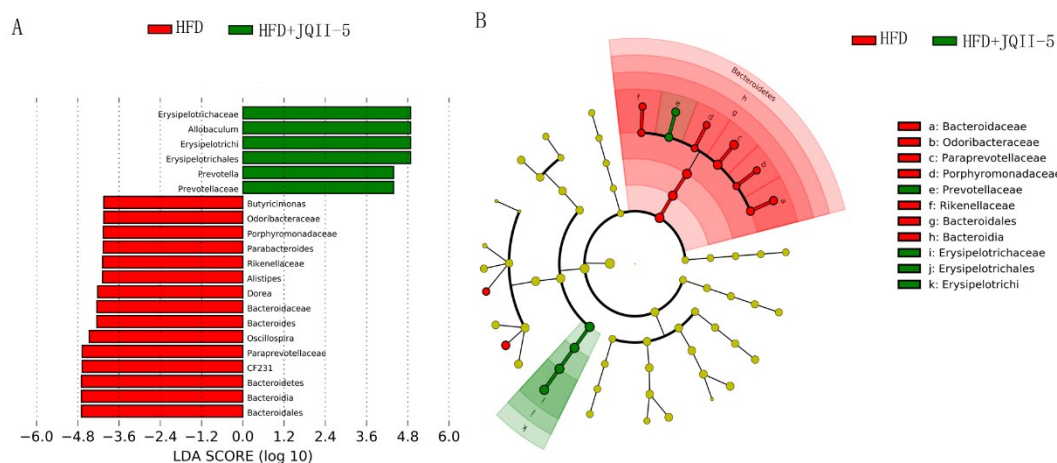


Figure S2: The significantly different species in HFD and HFD+JQII-5 groups using the nonparametric factorial Kruskal-Wallis rank sum test at a significance level of 0.05

A: LAD score, an LDA score higher than 2 indicated a higher relative abundance in the corresponding group than in the other group; B: LefSe taxonomic cladogram; different colors suggested enrichment of certain taxa in HFD and HFD+JQII-5 groups.

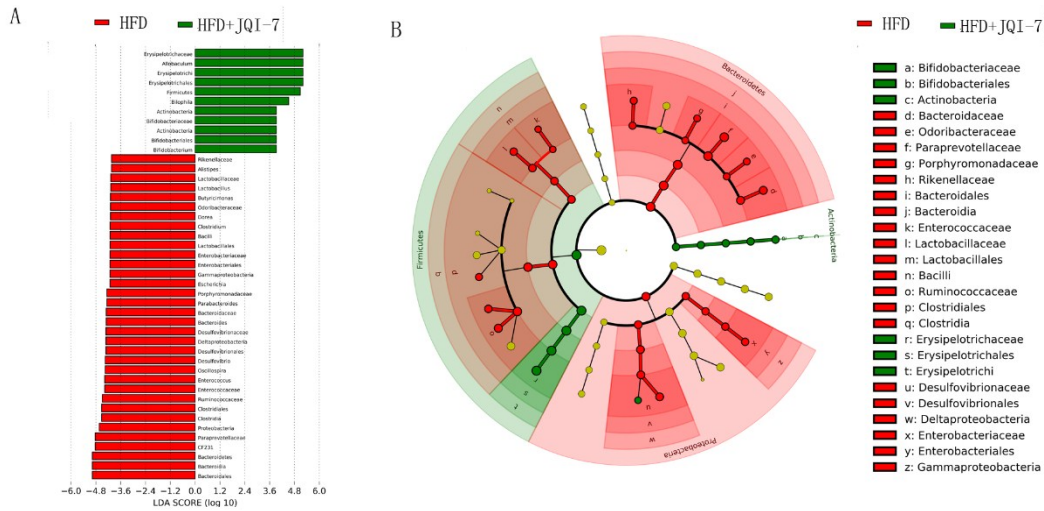


Figure S3: The significantly different species in HFD and HFD+JQI-7 groups using the nonparametric factorial Kruskal-Wallis rank sum test at a significance level of 0.05

A: LAD score, an LDA score higher than 2 indicated a higher relative abundance in the corresponding group than in the other group; B: LefSe taxonomic cladogram; different colors suggested enrichment of certain taxa in HFD and HFD+JQI-7 groups.

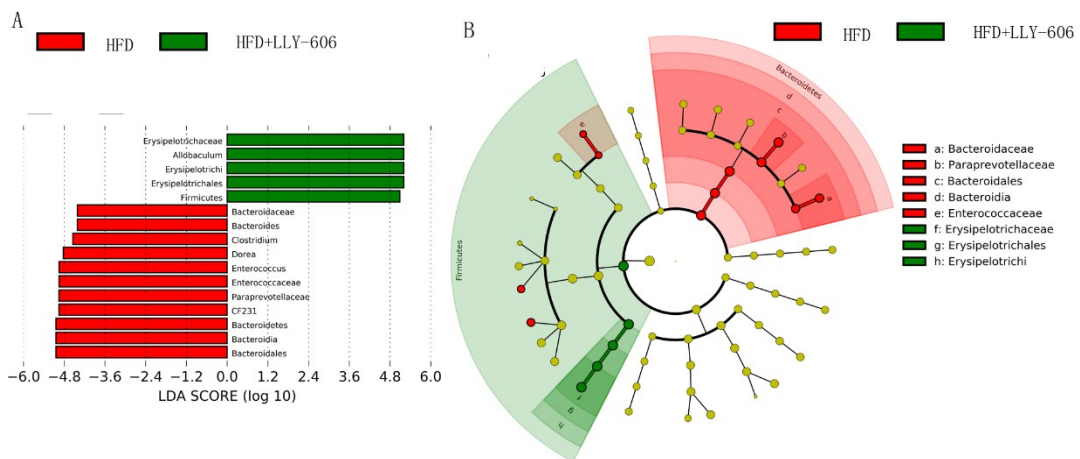


Figure S4: The significantly different species in HFD and HFD+LLY-606 groups using the nonparametric factorial Kruskal-Wallis rank sum test at a significance level of 0.05

A: LAD score, an LDA score higher than 2 indicated a higher relative abundance in the corresponding group than in the other group; B: LefSe taxonomic cladogram; different colors suggested enrichment of certain taxa in HFD and HFD+LLY-606 groups.

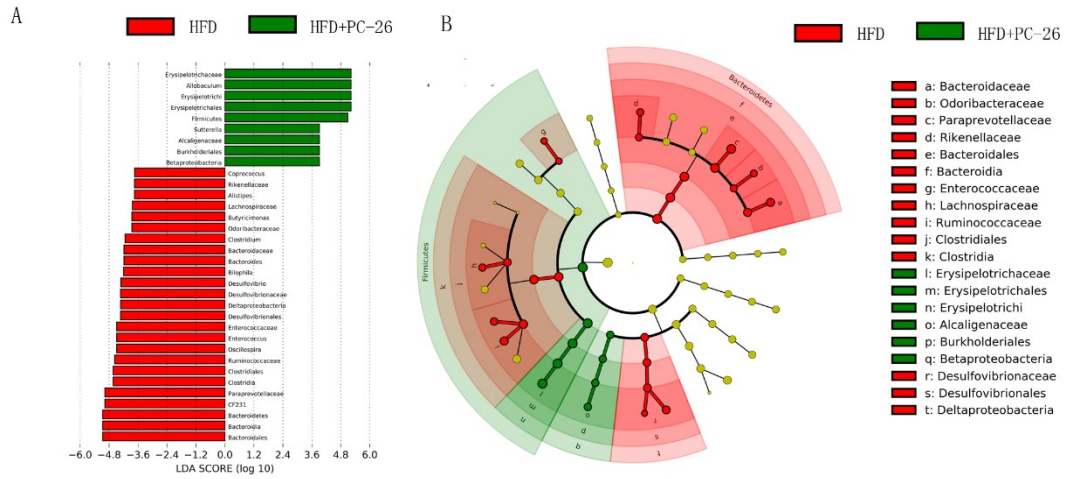


Figure S5: The significantly different species in HFD and HFD+PC-26 groups using the nonparametric factorial Kruskal-Wallis rank sum test at a significance level of 0.05

A: LAD score, an LDA score higher than 2 indicated a higher relative abundance in the corresponding group than in the other group; B: LefSe taxonomic cladogram; different colors suggested enrichment of certain taxa in HFD and HFD+PC-26 groups.