

Supplementary Table 1. Spearman's correlation between obesity-related biomarkers against gut microbiota composition represented by PCoA1 and PCoA2.

Obesity-related parameters ^b	PCoA1 ^a			PCoA2 ^a		
	<i>r</i>	<i>p</i>	<i>q</i>	<i>r</i>	<i>p</i>	<i>q</i>
Body weight	-0.374	0.155	0.243	0.441	0.089	0.098
Fat mass	-0.453	0.080	0.185	0.694	0.004	0.014
Relative fat mass	-0.497	0.052	0.185	0.726	0.002	0.011
Fasting glucose	-0.538	0.034	0.185	0.479	0.062	0.082
OGTTAUC	-0.329	0.213	0.292	0.424	0.104	0.104
Fasting insulin	-0.126	0.641	0.705	0.588	0.019	0.038
HOMA-IR	-0.200	0.456	0.558	0.665	0.006	0.017
Fatty liver score	-0.534	0.035	0.185	0.579	0.021	0.038

^aPCoA1 and PCoA2 was calculated based on Bray-Curtis distances of the 17-week-old HFD-fed mice's gut microbiota. The correlation was calculated by Spearman's correlation with FDR-adjusted p-value.

^bAbbreviations: AUC, area under the curve; HOMA-IR, homeostasis model assessment of insulin resistance; OGTT, oral glucose tolerance test; PCoA, principal coordinate analysis.