

Table 2. Analysis of beta diversity of male and female mice gut microbiota using PERMANOVA with Adonis test.

Sex	Source of variance	Df	SumsOfSqs	MeanSqs	F.Model	R²	Pr(>F)
Male	Groups ^a	3	0.106	0.035	1.949	0.268	0.044
	Residuals	16	0.290	0.018	NA	0.732	NA
	Total	19	0.397	NA	NA	1	NA
Female	Groups ^a	3	0.248	0.083	4.134	0.437	0.001
	Residuals	16	0.319	0.019	NA	0.563	NA
	Total	19	0.568	NA	NA	1	NA

^an=5 per group. Significant p-values (p<0.05). Df: Degree of freedom; MeanSqs: Mean Square; NA: not applicable; PERMANOVA: Permutational multivariate analysis of variance; SumsOfSqs: Sum of Squares.