

Table S1. Composition of basal diet (wt %)

Ingredient		Basal diet (high-fat diet)
Fat	Beef tallow	30.0
Protein & amino acids	Casein	20.0
	L-Cystine	0.3
Vitamins	Vitamin mixture (AIN-93)*	1.0
Minerals	Mineral mixture (AIN-93G)*	3.5
Carbohydrate	Dietary fiber (Cellulose)	5.0
	Sucrose	20.0
	Corn starch	20.2

*American Institute for Nutrition (AIN-93).

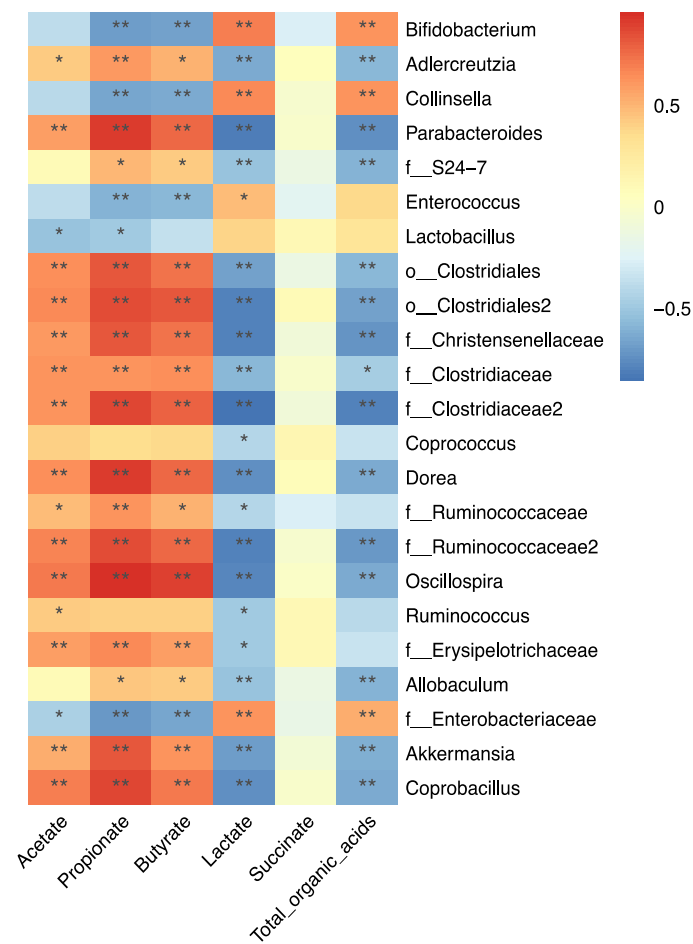


Figure S1. Correlation matrix (correlation coefficient, r) between cecal levels of organic acids and microbiota composition. The deep color bars indicate correlation strength. * $p < 0.05$, ** $p < 0.01$.