

Table S2 PERMANOVA results of ASVs abundance data from caecal samples on days 21, 24 and 29 using the Bray–Curtis dissimilarity matrix with 999 permutations.

Treatment	df	SS	F Model	R ²	P-adjusted
Day 21					
Diet (F2,21 = 1.13, P = 0.09)					
Control vs Salinomycin	1	0.17024	1.3808	0.08977	0.026
Day 24					
Diet (F2,21 = 1.97, P = 0.001)					
Salinomycin vs Butyrate	1	0.27413	2.863	0.16978	0.001
Salinomycin vs Control	1	0.16689	1.6052	0.11798	0.021
Day 29					
Diet (F2,21 = 1.93, P = 0.001)					
Control vs Salinomycin	1	0.20456	1.9526	0.1224	0.002
Butyrate vs Salinomycin	1	0.29239	2.8577	0.16952	0.001

Pairwise comparisons used Bonferroni correction. A p-value ≥ 0.05 is statistically significant.