

S2 Table. Caecal samples and extraction details.

Location	Flora	wet weight (mg)	Extraction solvent (μL)
Caecum	SPF	88.7	177.4 ^a
Caecum	SPF	59.9	119.8 ^a
Caecum	SPF	86.1	172.2 ^a
Caecum	SPF	84.3	168.6 ^a
Caecum	GF	137.4	274.8 ^b
Caecum	GF	210.0	420.0 ^b
Caecum	GF	172.7	345.4 ^b
Caecum	GF	106.4	212.8 ^b
Caecum	GF	141.5	283.0 ^b

^a IS spiked-in concentrations: 10 mM ^{13}C -Acetate / 1 mM ^{13}C -Propionate / 2.5 mM ^{13}C -Butyrate.

^b IS spiked-in concentrations: 100 μM ^{13}C -Acetate / 50 μM ^{13}C -Propionate / 50 μM ^{13}C -Butyrate.