

Table S1. Differences in the logit-transformed relative abundances of bacterial ASVs associated with delivery mode at 3 months of age, after adjustment for maternal pre-pregnancy BMI and breastfeeding in beta-binomial models. Unadjusted Mann-Whitney U test p-values provided in rightmost column.

Beta	SE	FDR p-value	Phylum	Class	Order	Family	Genus	Species	Mann-Whitney U p-value
3.52	0.94	0.001	Firmicutes	Bacilli	Lactobacillales	Streptococcaceae	Streptococcus	NA	0.27
2.72	1.02	0.028	Firmicutes	Clostridia	Clostridiales	Clostridiaceae	Clostridium	perfringens	0.04
2.66	1.04	0.036	Firmicutes	Bacilli	Lactobacillales	Lactobacillaceae	Lactobacillus	NA	0.67
2.41	0.75	0.008	Firmicutes	Clostridia	Clostridiales	Clostridiaceae	Clostridium	neonatale	0.06
2.35	0.95	0.046	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Lachnoclostridium	NA	0.04
1.76	0.59	0.013	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	NA	NA	0.95
-1.34	0.49	0.025	Actinobacteria	Actinobacteria	Bifidobacteriales	Bifidobacteriaceae	Bifidobacterium	bifidum	0.08
-1.64	0.59	0.021	Actinobacteria	Actinobacteria	Bifidobacteriales	Bifidobacteriaceae	Bifidobacterium	NA	0.006
-2.00	0.73	0.024	Firmicutes	Negativicutes	Selenomonadales	Veillonellaceae	Veillonella	rogosae	0.96
-2.08	0.62	0.005	Firmicutes	Negativicutes	Selenomonadales	Veillonellaceae	Veillonella	NA	0.21
-2.09	0.7	0.013	Firmicutes	Negativicutes	Selenomonadales	Veillonellaceae	Veillonella	rogosae	0.28
-2.85	0.51	<0.001	Firmicutes	Bacilli	Bacillales	Staphylococcaceae	Staphylococcus	NA	0.99
-3.09	1.18	0.032	Firmicutes	Negativicutes	Selenomonadales	Veillonellaceae	Veillonella	NA	0.34
-5.07	1.07	<0.001	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroides	NA	0.42