## Tables

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 $\begin{tabular}{ll} Table 2 \\ Model \ parameters \ for \ two-way \ PERMANOVAs \\ \end{tabular}$ 

Model Parameter	Sum of Squares	Sum of Squares Mean Sum of Squares		Df	p	R Square
Before CC						
childcarecenter	0.135	0.135	1.02	1	0.388	0.010
breastfeeding	0.254	0.254	1.912	1	0.112	0.020
childcarecenter:breastfeeding	0.065	0.065	0.489	1	0.768	0.005
Residuals	12.492	0.133	-	94	-	0.965
Total	12.946	-	-	97	-	1.000
After CC						
childcarecenter	0.110	0.11	1.018	1	0.38	0.010
breastfeeding	0.161	0.161	1.489	1	0.15	0.015
childcarecenter:breastfeeding	0.073	0.073	0.674	1	0.646	0.007
Residuals	10.144	0.108	-	94	-	0.967
Total	10.487	-	-	97	-	1.000

Note. Two way analyses of variances did not show significant differences in the mean between the groups for the continuous measures.

## Appendix

## A Tables

Table 1
Descriptive statistics for infants and mothers included in the present study.

	BF + CC	no BF $+$ CC	BF + no CC	no BF $+$ no CC
Childsex				
Male	16	7	18	10
Female	14	8	16	8
Apgar score				
mean (sd)	$9.7 \pm 0.5$	$9.4 \pm 0.7$	$9.8 \pm 0.5$	$9.7\pm0.5$
$\min$	8	8	8	9
max	10	10	10	10
Maternal age				
mean (sd)	$32.4 \pm 3.4$	$33.5 \pm 2.2$	$32.7 \pm 3.3$	$31.9 \pm 4.2$
$\min$	25.1	30.4	25.8	22.5
max	42.0	39.0	40.1	37.1
Maternal educ	ation			
mean (sd)	$7.2 \pm 1.1$	$6.4 \pm 1.5$	$6.7 \pm 1.5$	$6.2 \pm 1.7$
$\min$	4	4	3	2
max	8	8	8	8
Birthweight (g	gram)			
mean (sd)	$3706.0 \pm 560.5$	$3609.3 \pm 427.1$	$3539.6 \pm 487.2$	$3636.9 \pm 465.2$
min	2708	2810	2645	2685
max	4600	4285	4730	4580

Note. Two way analyses of variances did not show significant differences in the mean between the groups for the continuous measures.

Table 3
Log fold change within childcare groups for significant linear mixed effects models.

Genus	Change CC	Change noCC	F	Df	p	FDR adjusted
Enterococcus	-0.302	0.520	7.835	1.94	0.006	0.477
Anaerofustis	-0.051	0.015	5.565	1.94	0.020	0.501
Aerococcus	-0.043	0.113	6.729	1.94	0.011	0.477
Granulicatella	0.020	0.693	7.287	1.94	0.008	0.477
Aquabacterium	-0.015	-0.019	5.261	1.94	0.024	0.501
Bilophila	-0.014	-0.026	4.268	1.94	0.042	0.501
Bifidobacteriun	0.007	-0.063	4.484	1.94	0.037	0.501
Aeromonas	-0.006	-0.014	4.471	1.94	0.037	0.501
Clostridium	0.005	-0.012	4.194	1.94	0.043	0.501
Asteroleplasma	-0.005	-0.016	4.767	1.94	0.032	0.501

 $\it Note.$  FDR adjustment based on Benjamini Hochberg correction.