

Additional file 1

Effect of bovine milk fat-based infant formulae on microbiota, metabolites and stool parameters in healthy term infants in a randomized, crossover, placebo-controlled trial

Supplementary Table 1 Data per subject

Subject	Available data					questionnaires
	intervention period 1	intervention period 2	microbiota	metabolites	fatty acid profile & calcium	
1	MF	VF	Y	Y	Y	Y
2	VF	MF	N	N	N	Y
3	MF	VF	Y	Y	Y	Y
4	VF	MF	Y	Y	Y	Y
5	MF	VF	N	N	N	N
6	VF	MF	Y	Y	Y	Y
7	MF	VF	Y	Y	Y	Y
8	VF	MF	Y	Y	Y	Y
9	MF	VF	Y	Y	Y	Y
10	VF	MF	Y	Y	Y	Y
11	VF	MF	Y	Y	Y	Y
12	VF	MF	N	N	N	N
13	MF	VF	Y	Y	Y	Y
14	VF	MF	N	N	N	N
15	MF	VF	Y	Y*	Y	Y
16	VF	MF	Y	Y	Y	Y
17	MF	VF	Y	Y	Y	Y
18	VF	MF	Y	Y	Y	Y
19	MF	VF	Y	Y	Y	Y
20	VF	MF	Y	Y	N	N
21	MF	VF	Y	Y	Y	Y
22	MF	VF	N	N	N	Y
			n=17	n=17	n=16	n=18

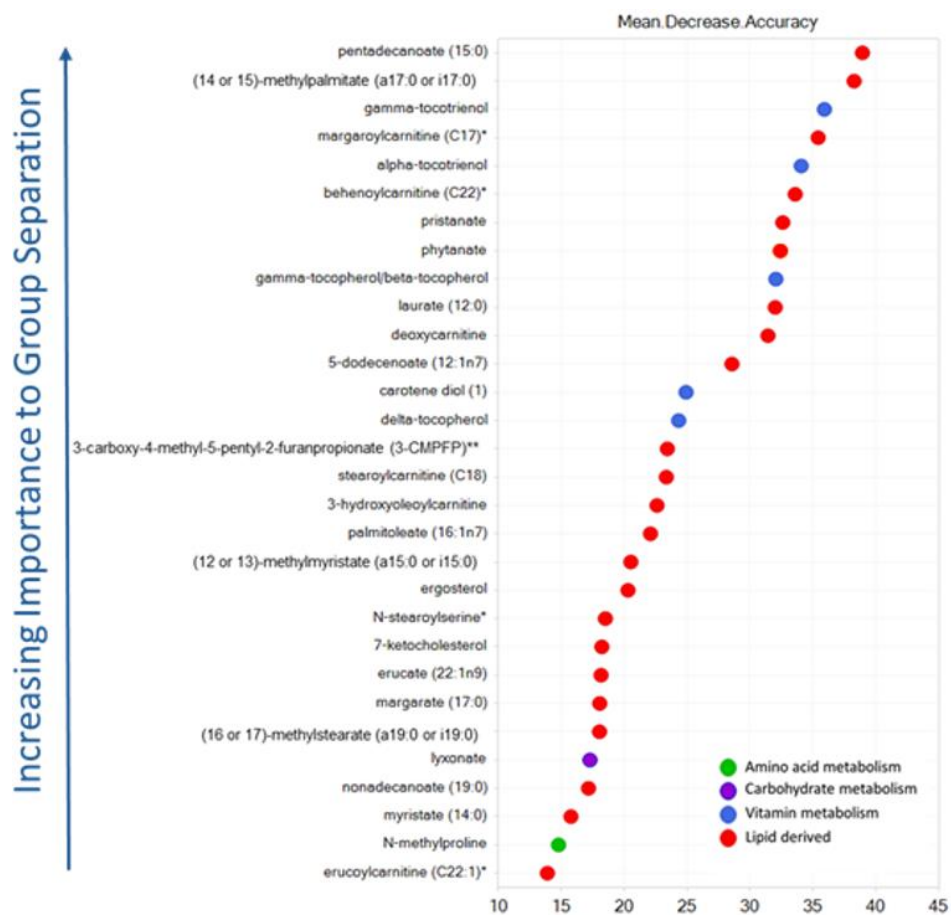
* except for second time point;

VF: standard formula with 100% vegetable fat source; MF: test formula with 50% milk fat; Y: data available; N: data not available

Supplementary Table 2 Formula consumption and anthropometric data at the end of run-in (baseline) and each of the two intervention periods.

	Run-in VF (n=19)	Intervention MF (n=18)	Intervention VF (n=19)	p-value intervention
Average weekly milk intake, ml				0.243
Mean (SD)	5907 (763)	5966 (1155)	6317 (1132)	
Median	6125	5985	6139	
Min-max	4284-7070	4200-8729	4704-8589	
Weight, g				
Mean (SD)	6380 (746)	6819 (817)	6877 (864)	0.799
Median	6450	6652	6907	
Min-max	4900-7500	5600-8540	5050-8197	
Length, cm				
Mean (SD)	64.1 (2.5)	66.0 (2.5)	66.3 (3.0)	0.890
Median	64.0	65.4	65.8	
Min-max	59.9-70.0	61.0-70.0	61.5-71.9	

Comparisons between the formula groups were conducted using the Wilcoxon signed-rank test; VF: standard formula with 100% vegetable fat source; MF: test formula with 50% milk fat.



Supplementary Fig. 1 Random Forest Analysis showing metabolites that made the largest contribution to the separation of samples based on intervention.