

Sample	Reads	Good's Coverage	Time Point	Maternal Diet	Sample	Reads	Good's Coverage	Time Point	Maternal Diet
1	35553	0.999729	Maternal	Control	29	38549	0.999549	3 years	Control
2	33301	0.999689	Maternal	Control	30	32309	0.999719	Maternal	High-fat
3	37438	0.999734	Maternal	Control	31	37141	0.999649	Maternal	High-fat
4	39889	0.999489	Maternal	Control	32	30245	0.999875	Maternal	High-fat
5	32941	0.999789	Maternal	Control	33	41645	0.999669	Maternal	High-fat
6	37338	0.999714	Maternal	Control	34	30077	0.999814	Maternal	High-fat
7	45089	0.999022	Maternal	Control	35	27879	0.999885	Maternal	High-fat
8	39376	0.999499	Maternal	Control	36	36425	0.999709	Maternal	High-fat
9	35075	0.999704	Maternal	Control	37	32461	0.999835	Maternal	High-fat
10	31163	0.999729	Maternal	Control	38	39795	0.999689	Maternal	High-fat
11	36057	0.999494	Maternal	Control	39	35405	0.999719	Maternal	High-fat
12	39153	0.999524	Maternal	Control	40	37173	0.999574	1 year	High-fat
13	26592	0.999845	Maternal	Control	41	42185	0.999388	1 year	High-fat
14	40965	0.999433	1 year	Control	42	38219	0.999438	1 year	High-fat
15	33404	0.999769	1 year	Control	43	42723	0.999589	1 year	High-fat
16	35550	0.999604	1 year	Control	44	36125	0.999308	1 year	High-fat
17	40240	0.999539	1 year	Control	45	43104	0.999363	1 year	High-fat
18	38256	0.999544	1 year	Control	46	39444	0.999714	6 months	High-fat
19	27033	0.999865	1 year	Control	47	34364	0.999784	6 months	High-fat
20	40826	0.999479	6 months	Control	48	33563	0.999734	6 months	High-fat
21	43374	0.999318	6 months	Control	49	34087	0.999699	6 months	High-fat
22	34151	0.999814	6 months	Control	50	39221	0.999684	6 months	High-fat
23	37657	0.999840	6 months	Control	51	35687	0.999699	6 months	High-fat
24	32693	0.999549	6 months	Control	52	44201	0.999288	3 years	High-fat
25	32659	0.999804	6 months	Control	53	36805	0.999368	3 years	High-fat
26	41291	0.999423	3 years	Control	54	28862	0.999774	3 years	High-fat
27	38236	0.999749	3 years	Control	55	37994	0.999499	3 years	High-fat
28	41257	0.999504	3 years	Control					

Supplemental Table 1. Quality of sequences by read count and Good's Coverage.

Maternal Characteristics	Offspring Age			High versus Low <i>Treponema</i> Relative Abundance		
	6 & 13 months	36 months	<i>p</i>	High <i>Treponema</i>	Low <i>Treponema</i>	<i>p</i>
Maternal age	11.2 (± 2.4)	9.9 (±2.7)	0.18	10.7 (± 2.6)	11.2 (± 2.4)	0.50
Maternal parity	3.8 (±2.2)	3.5 (±1.1)	>0.99	4.0 (± 1.9)	3.4 (± 2.0)	0.38
Maternal weight	11.1 (± 1.4)	10.0 (± 2.4)	0.17	10.7 (± 2.1)	10.9 (± 1.2)	0.75
Maternal lean mass	66.4% (± 5.5)	75.1% (± 10.2)	0.11	70.1% (± 8.7)	66.4% (± 5.5)	0.45
Maternal fat mass	29.5% (± 5.9)	20.7% (± 10.8)	0.11	25.8% (± 9.2)	29.5% (± 5.9)	0.45

Supplemental Table 2. Absence of a significant association between maternal characteristics with offspring age and DMM cluster.

Maternal (dam) weight and body mass were measured just prior to pregnancy, and association with offspring age and relative *Treponema* abundance was determined. Significance (*p*) was determined using Mann-Whitney.