

Supplemental Table 1.

Characteristics	Mothers (n=3)
Age at delivery (y)	31±3
Infant GA at birth (wk)	26±1
Infant BW (g)	677±172
Post-partum day (listed)	5, 6, 5
Dietary restrictions*	None
Race [‡]	2 White, 1 Black

Supplemental Table 1. Maternal details for preterm milk samples. Averages in mean ± SD, unless stated. Documented in medical record.[‡]All patients were non-Hispanic.

Supplemental Table 2.

Bacteria	Strains	Media Control	Stdev	Human Milk	Stdev	Preterm Formula	Stdev	Term Formula	Stdev
<i>B. infantis</i>	ATCC 15697	2.12E+08	3.35E+07	3.14E+08	1.09E+07	3.28E+08	3.10E+07	3.20E+08	1.59E+07
<i>B. breve</i>	ATCC 15698	1.35E+08	2.32E+07	2.47E+08	2.57E+07	2.67E+08	4.68E+07	2.69E+08	3.79E+07
<i>B. bifidum</i>	MIMB	1.36E+08	1.36E+08	4.41E+08	3.60E+07	3.59E+08	2.83E+07	2.63E+08	2.30E+07
<i>B. angulatum</i>	ATCC 27535	1.33E+08	2.07E+07	5.94E+08	5.82E+06	3.04E+08	7.93E+07	2.50E+08	5.66E+06
<i>B. animalis</i>	Bi-07	1.33E+08	1.55E+07	6.37E+08	3.51E+06	3.16E+08	4.98E+07	2.80E+08	5.77E+07
<i>B. longum</i>	ATCC 55813	1.30E+08	5.01E+06	3.68E+08	2.80E+07	2.61E+08	1.07E+06	1.60E+08	1.32E+07
<i>B. dentium</i>	ATCC 27678	1.42E+08	1.86E+07	6.23E+08	4.09E+07	2.22E+08	2.69E+07	1.87E+08	1.95E+06
<i>B. gallicum</i>	ATCC 20093	1.33E+08	3.76E+07	6.31E+08	2.55E+06	2.46E+08	2.56E+07	2.42E+08	7.52E+06
<i>L. acidophilus</i>	ATCC 4796	1.37E+08	6.02E+06	2.20E+08	3.32E+06	2.56E+08	5.01E+06	1.79E+08	3.09E+06
<i>L. johnsonii</i>	ATCC 33200	1.44E+08	5.92E+06	2.10E+08	6.98E+06	2.46E+08	1.38E+07	1.81E+08	9.84E+06
<i>L. paracasei</i>	ATCC 25302	1.81E+08	5.79E+06	2.28E+08	2.37E+06	2.81E+08	6.93E+06	2.31E+08	1.29E+07
<i>L. plantarum</i>	ATCC 14917	2.24E+08	1.98E+07	2.83E+08	6.88E+06	3.90E+08	1.42E+07	3.26E+08	4.90E+06
<i>L. fermentum</i>	ATCC 14931	1.45E+08	6.93E+06	2.30E+08	8.08E+06	2.01E+08	1.05E+07	2.13E+08	1.26E+07
<i>L. gasseri</i>	ATCC 3323	1.36E+08	8.46E+06	2.30E+08	9.00E+06	2.27E+08	6.31E+06	1.81E+08	8.78E+06
<i>L. delbrueckii</i>	ATCC 11842	1.39E+08	3.62E+06	2.13E+08	1.02E+07	2.24E+08	7.63E+06	1.76E+08	7.94E+06
<i>L. brevis</i>	ATCC 27303	1.28E+08	1.13E+07	1.92E+08	1.23E+07	2.81E+08	8.89E+06	1.58E+08	1.53E+07
<i>S. salivarius</i>	ATCC 13419	8.13E+08	2.41E+07	6.50E+08	1.89E+07	9.9+0E+08	4.42E+07	9.73E+08	6.01E+07
<i>S. sanguinis</i>	ATCC 49296	4.36E+08	1.87E+07	8.87E+08	1.49E+07	1.32E+09	1.06E+08	7.68E+08	3.00E+07

<i>S. parasanguinis</i>	ATCC 15912	5.54E+08	8.16E+07	8.87E+08	1.49E+07	1.04E+09	1.20E+07	7.68E+08	3.00E+07
<i>S. thermophilus</i>	ATCC 491	1.35E+09	1.82E+08	7.77E+08	5.24E+07	1.46E+09	2.50E+07	1.42E+09	2.68E+08
<i>S. pyogenes</i>	CB1	7.34E+08	9.18E+07	8.12E+08	1.62E+08	9.36E+08	7.58E+07	8.58E+08	2.33E+07
<i>S. mitis</i>	ATCC 6249	1.09E+09	1.28E+08	1.24E+09	2.18E+08	1.13E+09	1.14E+07	9.90E+08	3.28E+08
<i>S. pasteurians</i>	ATCC 49133	1.05E+09	2.39E+08	1.05E+09	6.20E+07	1.15E+09	1.20E+07	9.12E+08	1.10E+08
<i>S. oralis</i>	ATCC 35037	1.17E+09	1.45E+08	8.92E+08	8.66E+07	1.05E+09	8.48E+07	1.30E+09	2.27E+08
<i>E. faecalis</i>	NCTC 775	2.81E+08	3.11E+07	5.13E+08	1.12E+07	1.34E+09	9.32E+07	1.19E+09	6.40E+07
<i>E. faecium</i>	ATCC 8459	2.46E+08	1.35E+07	4.87E+08	1.03E+08	1.02E+09	1.33E+08	1.23E+09	5.12E+07
<i>E. faecium</i>	NCTC 12204	6.15E+08	1.81E+08	9.83E+08	1.06E+08	1.17E+09	3.95E+07	1.21E+09	1.44E+08
<i>K. aerogenes</i>	CB1	1.78E+08	4.51E+07	3.33E+08	4.13E+07	1.24E+09	2.36E+08	7.91E+08	8.63E+07
<i>K. aerogenes</i>	ATCC 35029	2.54E+08	8.71E+07	5.80E+08	4.05E+07	1.36E+09	1.04E+08	1.08E+09	3.92E+07
<i>K. pneumoniae</i>	ATCC 700607	2.64E+08	1.15E+08	5.83E+08	5.97E+06	1.31E+09	6.53E+06	8.96E+08	2.97E+07
<i>K. pneumoniae</i>	ATCC 13883	1.80E+08	5.93E+07	7.18E+08	3.70E+07	1.27E+09	2.07E+08	1.28E+09	2.51E+07
<i>K. pneumoniae</i>	ATCC 35657	2.00E+08	1.09E+08	7.57E+08	1.43E+07	1.22E+09	1.18E+08	1.24E+09	4.67E+07

Supplemental Table 2: Bacteria strain is listed with the designation, cell count of growth that was monitored after anaerobic incubation at 20 hr by measuring OD_{600nm}. OD_{600nm} measurements were back-calculated to standard curves made from the bacteria using the Quantum Tx Bacterial Cell Counter (Logos Biosystems). Each experiment was performed two independent times in triplicate.