

Supplemental Material to:

**Joann Romano-Keeler, Daniel J Moore,
Chunlin Wang, Robert M Brucker, Christopher
Fonnesbeck, James C Slaughter, Haijing Li,
Danielle P Curran, Shufang Meng, Hernan
Correa, Harold N Lovvorn III, Yi-Wei Tang, Seth
Bordenstein, Alfred L George Jr, and Jörn-
Hendrik Weitekamp**

**Early life establishment of site-specific microbial
communities in the gut**

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Supplemental Table 1. Tissue and fecal bacterial DNA loads are independent of diversity metrics (Simpson’s inverse index, Shannon-Wiener, and Chao1) based on real-time PCR for samples from twelve study patients.

Patient ID	Tissue bacterial DNA load [log ₂ (fold change over median bacterial content)]	Simpson’s inverse index	Shannon	Chao 1	Fecal bacterial DNA load [log ₂ (fold change over median bacterial content)]	Simpson’s	Shannon	Chao 1
1	1.11	16.44	3.75	551	0.80	13.91	3.57	527
2	-3.43	6.37	2.90	548	-0.34	3.12	2.03	375
3	1.25	4.55	2.25	147	-1.55	5.07	2.18	163
7	-0.54	12.44	3.46	236	-2.38	13.35	3.24	122
8	0.99	3.75	2.38	101	-5.03	3.84	2.17	141
9	-4.49	4.07	2.52	152	-4.39	3.22	1.81	35
10	1.40	23.66	3.91	331	3.62	3.50	2.16	57
11	1.51	7.82	2.70	171	-1.91	3.04	1.91	153
12	0.27	4.48	2.19	88	-1.31	4.13	2.07	48
13	1.17	1.62	1.30	97	4.36	1.99	1.36	74
14	1.26	1.75	1.10	90	-3.65	2.86	1.76	46
15	-1.85	11.10	3.38	226	2.78	2.03	1.54	59

Supplemental Table 2. Total number of operational taxonomic units (OTUs) for each phyla (Patients 1-15), both fecal and tissue samples.

		Firmicutes	Proteobacteria	Actinobacteria	Bacteroidetes	Rare Phyla
Patient 1	Tissue	632	1638	569	115	114
	Feces	305	3886	648	380	277
Patient 2	Tissue	136	2469	1590	67	195
	Feces	4182	1821	4	0	18
Patient 3	Tissue	1174	839	25	0	42
	Feces	703	661	2	0	2
Patient 4	Tissue	408	4414	259	85	316
	Feces	3946	18	300	5	43
Patient 5	Tissue	831	12044	568	143	202
	Feces	8605	83	7	7	40
Patient 6	Tissue	693	2310	1102	678	116
	Feces	50	12	9	2	0
Patient 7	Tissue	718	3053	678	4829	527
	Feces	717	547	377	209	12
Patient 8	Tissue	173	395	260	74	357
	Feces	33	2174	58	651	11
Patient 9	Tissue	228	2651	424	169	106
	Feces	80	767	233	254	11
Patient 10	Tissue	162	1195	548	106	67
	Feces	3196	76	21	10	14
Patient 11	Tissue	372	6857	201	73	203
	Feces	32	795	83	381	6
Patient 12	Tissue	4255	483	42	30	392
	Feces	4361	666	75	359	6
Patient 13	Tissue	107	2950	109	51	28
	Feces	1667	3994	59	51	25
Patient 14	Tissue	96	1541	51	2473	12
	Feces	223	816	183	2314	22
Patient 15	Tissue	281	1307	310	102	305
	Feces	2377	53	204	33	32