

Supplemental table 2

Cytokine/chemokine	Abnormal Microbiota Present	Abnormal Microbiota absent ¹	p-value
	Median (IQR)	Median (IQR)	
Log ₂ IL-1 β	6.05 (3.24, 8.22)	3.21 (1.87, 5.83)	0.012
Log ₂ IL-6	0.77 (-0.82, 2.59)	0.27 (-1.08, 2.22)	0.882
Log ₂ IL-8	11.06 (7.67, 11.76)	9.55 (7.72, 11.40)	0.336
Log ₂ IL-10	-2.01 (-2.91, 1.13)	-2.13 (-3.54, -0.51)	0.443
Log ₂ IP-10	4.37 (2.60, 7.49)	5.34 (4.18, 6.95)	0.235
Log ₂ TNF α	0.19 (-1.56, 2.22)	-0.69 (-2.13, 0.82)	0.166
Bacterial taxa			
Log ₁₀ <i>Dialister micraerophilus</i>	6.91 (6.36, 7.38)	4.41 (2.41, 6.06)	<0.001
Log ₁₀ <i>Eggerthella</i> species Type 1	7.24 (3.92, 7.93)	1.97 (1.97, 3.89)	<0.001
Log ₁₀ <i>Gemella asaccharolytica</i>	6.42 (1.97, 6.95)	1.97 (1.97, 4.33)	<0.001
Log ₁₀ <i>Lactobacillus crispatus</i>	1.80 (1.80, 1.80)	1.80 (1.80, 6.31)	0.004
Log ₁₀ <i>Leptotrichia/Sneathia</i> species	7.45 (5.57, 8.35)	2.94 (1.80, 4.56)	<0.001
Log ₁₀ <i>Megasphaera</i> species	5.71 (1.97, 7.63)	1.97 (1.97, 1.97)	<0.001
Log ₁₀ <i>Mycoplasma hominis</i>	5.80 (1.97, 6.80)	2.27 (1.97, 2.27)	0.007
Log ₁₀ <i>Parvimonas</i> species Type 1	1.97 (1.97, 3.35)	1.97 (1.97, 1.97)	0.018
Log ₁₀ <i>Parvimonas</i> species Type 2	5.60 (1.97, 7.04)	1.97 (1.97, 1.97)	<0.001
Suboptimal taxa score	0.91 (-0.14, 1.22)	-0.92 (-1.105, -0.41)	<0.001

Supplemental Table 2: Association between concentrations of cytokines, chemokines, and bacterial taxa, and the presence of abnormal microbiota.

Wilcoxon rank-sum was used to assess for associations between the log₂ concentrations of cytokines and chemokines tested, or the log₁₀ concentrations of bacterial taxa tested, and the presence of abnormal microbiota (defined as Nugent score ≥ 4). Cytokine concentrations are reported as log₂ pcg/mL. Bacterial concentrations are reported as log₁₀ genome copies/swab.

