

Supplemental Table 2. Correlations between intestinal length/fecal weight to microbial diversity and abundance in GH-/ and bGH microbiomes.

Predictor/Outcome	GH-/ microbiome				bGH microbiome			
	SI Length	LI Length	Fecal Weight	Calprotectin	SI Length	LI Length	Fecal Weight	Calprotectin
Microbial Richness	0.24 (<i>p</i> = 0.30)	0.31 (<i>p</i> = 0.19)	0.35 (<i>p</i> = 0.17)	-0.24 (<i>p</i> = 0.49)	0.22 (<i>p</i> = 0.52)	0.14 (<i>p</i> = 0.68)	0.14 (<i>p</i> = 0.68)	-0.50 (<i>p</i> = 0.18)
Microbial Evenness	0.002 (<i>p</i> = 0.99)	-0.42 (<i>p</i> = 0.07)	-0.17 (<i>p</i> = 0.51)	-0.39 (<i>p</i> = 0.24)	-0.03 (<i>p</i> = 0.94)	-0.18 (<i>p</i> = 0.60)	-0.53 (<i>p</i> = 0.02)	-0.40 (<i>p</i> = 0.29)
Proteobacteria abundance	0.71 (<i>p</i> = 0.0004)	-0.05 (<i>p</i> = 0.84)	0.62 (<i>p</i> = 0.009)	0.11 (<i>p</i> = 0.75)	0.55 (<i>p</i> = 0.08)	0.59 (<i>p</i> = 0.05)	0.23 (<i>p</i> = 0.33)	-0.25 (<i>p</i> = 0.52)
Campylobacterota abundance	0.74 (<i>p</i> = 0.002)	0.44 (<i>p</i> = 0.05)	0.72 (<i>p</i> = 0.002)	0.48 (<i>p</i> = 0.14)	0.37 (<i>p</i> = 0.27)	0.38 (<i>p</i> = 0.25)	-0.07 (<i>p</i> = 0.78)	-0.35 (<i>p</i> = 0.36)

*Due to the number of correlations made for each outcome (microbiome), statistical significance was set at 0.0125 rather than 0.05 using a Bonferroni correction. Therefore, only SI length and fecal weight in Proteobacteria abundance was deemed significant.