

Table S5 Intra-Facility PERMANOVA statistics

HSCR dataset <i>Boston vs. Boston</i>	Total Beta Diversity							
	ADONIS				ANOSIM			
	Unweighted UniFrac		Weighted UniFrac		Unweighted UniFrac		Weighted UniFrac	
Colon Samples	R ²	<i>P</i>	R ²	<i>P</i>	R	<i>P</i>	R	<i>P</i>
P07-WT vs. P07-KO	17.0%	0.064	34.4%	0.071	0.356	0.024**	0.284	0.087
P20-WT vs. P20-KO	31.0%	0.008**	67.5%	0.007**	0.604	0.008**	1.000	0.008**
P24-WT vs. P24-KO	29.2%	0.100	57.6%	0.100	0.889	0.099	1.000	0.100
Fecal Samples								
P07-WT vs. P07-KO	42.6%	0.008**	18.1%	0.133	1	0.007**	0.244	0.016**
P20-WT vs. P20-KO	26.2%	0.008**	79.6%	0.008**	0.588	0.007**	1	0.008**
P24-WT vs. P24-KO	29.8%	0.100	33.3%	0.200	0.889	0.1006	0.037**	0.499
<i>Laramie vs.</i>								
Colon Samples								
P07-WT vs. P07-KO	14.9%	0.142	19.1%	0.166	0.156	0.128	0.225	0.128
P20-WT vs. P20-KO	9.3%	0.354	5.9%	0.620	0.002	0.458	0.070	0.731
P24-WT vs. P24-KO	13.6%	0.046**	14.3%	0.165	0.286	0.050**	0.085	0.305
Fecal Samples								
P07-WT vs. P07-KO	13.4%	0.118	12.0%	0.388	0.104	0.2289	0.016	0.42
P20-WT vs. P20-KO	9.3%	0.413	8.0%	0.499	0.004	0.4431	0.011	0.362
P24-WT vs. P24-KO	24.1%	0.029**	25.7%	0.171	0.615	0.028**	0.271	0.142

** indicates *P*-values < 0.05