

Table S6 Intra-Facility taxonomy statistics

HSCR Dataset				Mean Relative Abundance	Kruskal- Wallis <i>P</i>	Pairwise Wilcoxon <i>P</i>
Colon Samples						
Association		Taxonomic Classification				
Facility	Group	Rank	Taxon			
Boston	P20-KO	Family	Enterobacteriaceae	7%	0.026	NS
Fecal Samples						
Boston	P07-WT	Phylum	Firmicutes	99.9%	NS	0.037
	P20-KO	Phylum	Bacteroidetes	60%	NS	0.040
	P20-KO	Family	S24-7	60%	NS	0.040
Laramie	P20-WT	Family	S24-7	20%	NS	0.042
	P20-KO	Family	Enterobacteriaceae	6%	NS	0.038
	P24-WT	Family	S24-7	26%	NS	0.042
	P24-KO	Phylum	Proteobacteria	11%	NS	0.031
	P24-KO	Family	Enterobacteriaceae	11%	NS	0.050
	P24-KO	Genus	<i>Bacteroides</i>	39%	NS	0.046
	P24-KO	Genus	<i>Parabacteroides</i>	22%	0.034	NS

Only those taxa with mean relative abundances above 6% and that exhibited significant differences between age- and genotype-matched Boston and Laramie mice are shown.