

**Table S7** Differentially abundant non-candidate OTUs and taxa conserved between facilities

OTU-ID	Taxonomic Identity	Statistical Test	Sample Type	Association	Facility	Log <sub>2</sub> FC
549756 <sup>^</sup>	G: <i>Lactobacillus</i>	G-Test	Fecal	P07-WT	Boston	-0.29
				P07-KO	Laramie	+2.4
n/a	G: <i>Streptococcus</i>	Kruskal-Wallis	Fecal	P07-KO	Boston	+10
				P07-WT	Laramie	-2.5
n/a	P: Actinobacteria	Kruskal-Wallis	Colon	P20-KO	Boston	+10
				P20-WT	Laramie	-6.7
		Nonparametric T		P20-KO	Boston	+10
				P20-WT	Laramie	-6.7
n/a	F: S24-7 <sup>^</sup>	Kruskal-Wallis	Fecal	P20-KO	Boston	+1.4
				P20-WT	Laramie	-0.94
		Nonparametric T		P20-KO	Boston	+1.4
				P20-WT	Laramie	-0.94
n/a	F: Ruminococcaceae	Kruskal-Wallis	Fecal	P24-KO	Boston	+2.7
				P24-WT	Laramie	-4.8

<sup>^</sup> Indicates OTUs or taxa observed at multiple ages. P: represents Phylum. F: represents Family. G: represents Genus. Log<sub>2</sub> Fold Change (FC) was calculated KO/WT, therefore (+) indicates association with KO mice and (-) indicates association with WT mice.