

Table S3 Alpha Diversity statistics

Ednrb mice - HSCR Dataset <i>Boston vs. Laramie</i>	Chao1		Observed OTUs	
	Kruskal- Wallis	Pairwise Wilcoxon	Kruskal- Wallis	Pairwise Wilcoxon
	<i>FDR-P</i>	<i>FDR-P</i>	<i>FDR-P</i>	<i>FDR-P</i>
Colon Samples				
P07-WT vs. P07-WT	0.12	0.054	0.036**	0.07
P20-WT vs. P20-WT	0.75	0.47	0.93	0.77
P24-WT vs. P24-WT	0.36	0.12	0.48	0.45
P07-KO vs. P07-KO	0.25	0.08	0.52	0.08
P20-KO vs. P20-KO	0.025**	0.054	0.53	0.36
P24-KO vs. P24-KO	0.31	0.18	0.22	0.46
Fecal Samples				
P07-WT vs. P07-WT	0.15	0.07	0.051	0.07
P20-WT vs. P20-WT	0.54	0.24	0.87	0.88
P24-WT vs. P24-WT	0.99	1.00	0.78	1.00
P07-KO vs. P07-KO	0.54	0.08	0.50	0.07
P20-KO vs. P20-KO	0.62	0.46	0.87	0.53
P24-KO vs. P24-KO	0.59	0.14	0.39	0.12
<i>Boston vs. Boston</i>				
Colon Samples				
P07-WT vs. P07-KO	0.45	0.051	0.67	0.29
P20-WT vs. P20-KO	0.45	0.08	0.50	0.07
P24-WT vs. P24-KO	0.96	1.00	0.67	0.20
Fecal Samples				
P07-WT vs. P07-KO	0.55	0.08	0.42	0.047**
P20-WT vs. P20-KO	0.17	0.037**	0.44	0.46
P24-WT vs. P24-KO	0.60	0.41	0.37	0.11
<i>Laramie vs. Laramie</i>				
Colon Samples				
P07-WT vs. P07-KO	0.48	0.36	0.31	0.27
P20-WT vs. P20-KO	0.88	1.00	0.90	0.94
P24-WT vs. P24-KO	0.37	0.39	0.31	0.48
Fecal Samples				
P07-WT vs. P07-KO	0.57	0.62	0.51	0.74
P20-WT vs. P20-KO	0.75	0.62	0.60	0.89
P24-WT vs. P24-KO	0.97	0.89	0.60	0.89
C57BL/6J mice				
<i>Boston vs. Laramie</i>	0.26	0.27	0.45	0.47

** indicates *FDR-P*-values < 0.05