

**Table S2 - Indicator groups identified by mothur**

	<b>Phylum</b>	<b>Class</b>	<b>Order</b>	<b>Family</b>	<b>Genus</b>	<b>P value</b>
<b>Conventional microbiota mice</b>						
Otu002	<i>Bacteroidetes</i>	<i>Bacteroidia</i>	<i>Bacteroidales</i>	<i>Porphyromonadaceae</i>	unclassified	0.024
Otu005	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>	unclassified	unclassified	0.048
Otu012	<i>Firmicutes</i>	<i>Bacilli</i>	<i>Lactobacillales</i>	<i>Lactobacillaceae</i>	<i>Lactobacillus</i>	0.008
Otu022	<i>Firmicutes</i>	<i>Bacilli</i>	<i>Lactobacillales</i>	unclassified	unclassified	<0.001000
Otu029	<i>Firmicutes</i>	<i>Bacilli</i>	<i>Lactobacillales</i>	<i>Lactobacillaceae</i>	unclassified	0.016
Otu032	<i>Firmicutes</i>	<i>Clostridia</i>	unclassified	unclassified	unclassified	0.024
Otu039	<i>Tenericutes</i>	<i>Mollicutes</i>	<i>Anaeroplasmatales</i>	<i>Anaeroplasmataceae</i>	<i>Anaeroplasma</i>	0.032
Otu040	<i>Firmicutes</i>	<i>Erysipelotrichia</i>	<i>Erysipelotrichales</i>	<i>Erysipelotrichaceae</i>	<i>Allobaculum</i>	0.032
Otu041	<i>Firmicutes</i>	<i>Bacilli</i>	unclassified	unclassified	unclassified	<0.001000
Otu047	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>	<i>Lachnospiraceae</i>	<i>Clostridium_XIVb</i>	0.024
<b>Humanized microbiota mice</b>						
Otu003	<i>Bacteroidetes</i>	<i>Bacteroidia</i>	<i>Bacteroidales</i>	<i>Bacteroidaceae</i>	<i>Bacteroides</i>	0.032
Otu008	<i>Bacteroidetes</i>	<i>Bacteroidia</i>	<i>Bacteroidales</i>	<i>Porphyromonadaceae</i>	<i>Parabacteroides</i>	0.048
Otu013	<i>Bacteroidetes</i>	<i>Bacteroidia</i>	<i>Bacteroidales</i>	<i>Rikenellaceae</i>	<i>Alistipes</i>	0.048
Otu019	<i>Proteobacteria</i>	<i>Betaproteobacteria</i>	<i>Burkholderiales</i>	<i>Sutterellaceae</i>	<i>Sutterella</i>	0.016
Otu025	<i>Proteobacteria</i>	<i>Betaproteobacteria</i>	unclassified	unclassified	unclassified	0.032
Otu049	<i>Proteobacteria</i>	<i>Epsilonproteobacteria</i>	<i>Campylobacteriales</i>	<i>Campylobacteraceae</i>	<i>Campylobacter</i>	0.04
Otu079	<i>Proteobacteria</i>	<i>Betaproteobacteria</i>	<i>Burkholderiales</i>	<i>Oxalobacteraceae</i>	unclassified	0.008