

Table S2. List of the most abundant genera in fecal samples of young mice before and after 10-day broad-spectrum antibiotic treatment.

Genus	Average relative abundance	
	Before Abx	After Abx
A2	1.03%	0.24%
<i>Acetatifactor</i>	0.44%	0.18%
<i>Alistipes</i>	11.39%	
<i>Anaeroplasma</i>	6.24%	
<i>Anaerovorax</i>	0.05%	
ASF356	0.70%	0.66%
<i>Bifidobacterium</i>	8.62%	34.66%
<i>Bilophila</i>	0.15%	0.09%
<i>Butyricicoccus</i>	0.15%	
<i>Candidatus_Arthromitus</i>	0.15%	
<i>Candidatus_Stoquefichus</i>	0.20%	
<i>Clostridium_sensu_stricto_1</i>	1.58%	
<i>Coriobacteriaceae_UCG-002</i>	0.77%	
<i>Desulfovibrio</i>	1.11%	0.34%
<i>Enterococcus</i>	2.21%	
<i>Enterorhabdus</i>	0.07%	0.13%
<i>Erysipelatoclostridium</i>	0.11%	
<i>Faecalibaculum</i>	1.58%	
<i>Family_XIII_UCG-001</i>	0.09%	
GCA-900066575	0.40%	0.12%
<i>Harryflintia</i>	0.09%	
<i>Intestinimonas</i>	0.91%	0.58%
<i>Lachnoclostridium</i>	1.47%	0.48%
<i>Lachnospiraceae_FCS020_group</i>	0.21%	0.29%
<i>Lachnospiraceae_NK4A136_group</i>	13.56%	10.72%
<i>Lachnospiraceae_UCG-001</i>	7.98%	0.82%
<i>Lachnospiraceae_UCG-006</i>	0.17%	
<i>Lactobacillus</i>	9.68%	35.86%
<i>Muribaculum</i>	1.29%	0.29%
<i>Oscillibacter</i>	2.62%	1.04%
<i>Parabacteroides</i>	3.12%	6.50%
<i>Romboutsia</i>	0.22%	
<i>Roseburia</i>	1.61%	1.25%
<i>Ruminiclostridium</i>	3.66%	0.28%
<i>Ruminiclostridium_5</i>	0.43%	0.38%
<i>Ruminiclostridium_6</i>	1.89%	0.12%
<i>Ruminiclostridium_9</i>	1.59%	0.73%
<i>Ruminococcaceae_NK4A214_group</i>	0.13%	
<i>Ruminococcaceae_UCG-005</i>	0.34%	
<i>Ruminococcaceae_UCG-009</i>	0.30%	0.07%
<i>Ruminococcaceae_UCG-010</i>	0.34%	
<i>Ruminococcaceae_UCG-014</i>	9.96%	1.60%
<i>Ruminococcus_1</i>	1.30%	
<i>Shuttleworthia</i>	0.10%	
<i>Turicibacter</i>	1.97%	
<i>Tyzzereella</i>	0.14%	
UBA1819	0.12%	