

Table S1. Relative abundance (%) of faecal microbiota genera of mice during the 15- and 30-day intervention period

Phylum	Genus	CG1		CG2			TG1		TG2		
		At start	On Day 15	At start	On Day 15	On Day 30	At start	On Day 15	At start	On Day 15	On Day 30
<i>Bacteroidota</i>	<i>Muribaculaceae</i>	33.9	34.7	4.4	6.9	34.0	49.4	6.9	6.0	5.9	37.2
	<i>Alistipes</i>	19.6	1.0	18.5	12.3	13.0	13.4	20.7	11.0	9.8	0.9
	<i>Prevotellaceae_UCG-1</i>	2.0	1.0	0.0	1.2	1.8	1.8	4.7	0.0	2.9	1.4
	<i>Bacteroides</i>	0.0	6.4	1.8	8.9	7.3	9.9	9.0	15.0	13.5	0.6
	<i>Muribaculum</i>	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.3	0.0	0.0
<i>Bacillota</i>	<i>Bacillus</i>	4.0	0.0	0.0	0.0	0.7	1.4	0.0	0.9	0.0	0.0
	<i>Lachnospiraceae A2</i>	3.4	2.3	5.6	5.5	2.4	0.0	0.0	3.4	0.0	1.2
	<i>Lactobacillus</i>	2.9	0.6	1.2	1.2	0.6	1.4	1.8	0.7	1.2	1.2
	<i>RF39</i>	2.6	0.9	0.0	0.0	0.0	0.0	2.4	0.0	0.0	1.0
	<i>Lachnospiraceae_NK4A136_group</i>	2.3	23.9	32.1	24.1	1.1	2.8	2.2	29.3	25.7	22.9
	<i>Oscillibacter</i>	1.7	1.0	0.0	1.3	0.9	1.3	1.2	1.7	1.5	1.1
	<i>Clostridiales_vadin BB6_group</i>	1.4	1.2	1.9	0.9	1.0	0.0	1.7	0.0	1.4	0.8
	<i>Lachnospiraceae_UCG-1</i>	1.1	1.4	1.6	1.7	0.9	2.0	2.1	0.0	0.0	0.7
	<i>Colidextribacter</i>	1.1	1.0	1.3	0.9	0.8	0.0	1.0	1.1	1.3	0.7
	<i>Streptococcus</i>	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<i>Clostridia_UCG-14</i>	0.0	3.7	4.4	2.3	4.4	2.8	4.1	2.8	1.1	0.0
	<i>Roseburia</i>	0.0	3.4	3.5	2.7	0.0	0.6	3.2	0.9	7.9	5.6
	<i>Marvinbryantia</i>	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<i>Staphylococcus</i>	0.0	0.0	0.9	0.0	0.0	0.0	2.4	0.0	0.0	0.0
	<i>[Eubacterium]_xylanophilum_group</i>	0.0	0.0	0.7	0.7	0.3	0.0	0.0	0.5	0.6	1.0
	<i>Lachnospiraceae_UCG-6</i>	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.5	1.1
<i>Actinomycetota</i>	<i>Kocuria</i>	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<i>Micrococcus</i>	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<i>Adlercreutzia</i>	0.0	0.5	0.0	4.4	4.7	0.7	0.7	6.2	0.7	3.7
	<i>Bifidobacterium</i>	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0
<i>Candidatus Patescibacteria</i>	<i>Candidatus Saccharimonas</i>	2.9	7.8	2.3	12.7	15.7	0.6	17.6	6.9	11.0	7.9
<i>Thermodesulfobacteriota</i>	<i>Desulfovibrio</i>	1.5	0.8	1.8	1.4	0.8	1.1	1.2	1.6	1.4	0.6
<i>Deferrribacterota</i>	<i>Mucispirillum</i>	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0

<i>Mycoplasmatota</i>	<i>Anaeroplasma</i>	2.0	0.8	2.2	0.7	0.8	1.6	3.2	1.1	0.9	0.9
<i>Pseudomonadota</i>	<i>Pseudomonas</i>	0.0	0.0	1.9	0.0	2.0	0.0	0.0	0.0	0.6	0.0
<i>Streptophyta</i>	<i>Incertae_sedis</i>	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.6	0.0

CG – control group, TG – test group.