

S1 Table. Correlation between bacterial taxa and hepatic gene expression or GSH levels

Dependent variable	Bacterial taxa	Spearman coefficient r	p-value
CYP1A2 mRNA level	<i>g_Bifidobacterium</i>	-0.813	<0.001
	<i>f_Rikenellaceae;g_undefined</i>	-0.522	<0.05
	<i>g_Lactobacillus</i>	-0.550	<0.05
	<i>f_Clostridiaceae;g_undefined</i>	-0.490	<0.05
	<i>g_Anaerostipes</i>	-0.710	<0.001
	<i>g_Akkermansia</i>	0.565	<0.05
CYP2E1 mRNA level	<i>g_Bifidobacterium</i>	-0.767	<0.001
	<i>f_Rikenellaceae;g_undefined</i>	-0.596	<0.01
	<i>g_Anaerostipes</i>	-0.583	<0.05
	<i>g_Akkermansia</i>	0.513	<0.05
Hsp70 mRNA level	<i>g_Anaerostipes</i>	0.542	<0.05
	<i>g_Akkermansia</i>	-0.757	<0.01
GSH level	<i>g_Bifidobacterium</i>	0.680	<0.01
	<i>f_Rikenellaceae;g_undefined</i>	0.593	<0.01
	<i>f_Clostridiaceae;g_undefined</i>	0.497	<0.05
	<i>g_Anaerostipes</i>	0.785	<0.001
	<i>g_Akkermansia</i>	-0.728	<0.001