Table S2 : Genera significantly enriched or depleted in WT-HFD mice compared to WT-CT.

		WT-CT		WT-HFD	
Species	***p***	**Mean**	**SEM**	**Mean**	**SEM**
Allobaculum	0,00117	14,757	3,565	1,389	0,407
Anaeroplasma	0,00008	14,457	2,638	1,633	0,347
Bacteroides	0,00353	0,368	0,058	1,122	0,223
c__0Clostridia	0,00000	0,104	0,021	0,711	0,084
Clostridium	0,03889	0,014	0,005	0,002	0,001
Coprococcus	0,01274	0,255	0,052	0,107	0,014
Dorea	0,01373	0,022	0,007	0,054	0,010
f__0Lachnospiraceae	0,02615	0,051	0,014	0,094	0,011
f__0Ruminococcaceae	0,00000	0,183	0,023	0,742	0,085
f__Lachnospiraceae	0,00965	1,124	0,129	1,659	0,138
f__Peptococcaceae	0,00001	0,032	0,006	0,325	0,050
f__Rikenellaceae	0,00000	7,699	1,147	21,063	1,810
f__Ruminococcaceae	0,00001	0,790	0,144	3,240	0,394
f__S24-7	0,02158	5,356	1,150	2,481	0,167
k__Bacteria	0,02062	0,002	0,001	0,011	0,004
o__0Bacteroidales	0,01063	0,039	0,006	0,069	0,009
o__Clostridiales	0,03448	24,387	2,759	33,068	2,687
o__RF32	0,01817	1,744	0,629	0,127	0,073
Odoribacter	0,00222	1,646	0,261	2,765	0,191
Oscillospira	0,00005	3,743	0,657	9,684	0,984
Ruminococcus	0,00782	0,299	0,062	1,902	0,544
Sutterella	0,01391	2,212	0,794	0,086	0,057

Data are shown as the means and SEM. Significant differences ($P < 0.05$) between the two groups are indicated. P values are based on the 2-sample t-test assuming equal variances.
Student t-test results were corrected by an FDR test according to the Benjamini-Hochberg procedure, with an α of < 0.05, significant p-values after FDR correction are depicted in red.