

**Supplemental Table 2.** Average abundance of phylum-level OTUs in C57BL/6N mice treated with control, HFD or HFD + EGCG

(%)

Taxon (Phylum level)	Control	HFD	HFD + EGCG
Actinobacteria	0.39 ± 0.11	0.08 ± 0.05*	0.70 ± 0.21*. <sup>†</sup>
Bacteroidetes	50.76 ± 6.34	37.58 ± 7.46*	44.06 ± 2.10*
Deferribacteres	0.67 ± 0.74	2.13 ± 1.71*	0.57 ± 0.69 <sup>†</sup>
Firmicutes	43.61 ± 5.63	42.81 ± 4.65	26.55 ± 3.47*. <sup>†</sup>
Proteobacteria	3.38 ± 1.93	17.36 ± 3.90*	10.23 ± 2.56*. <sup>†</sup>
TM7	0.02 ± 0.07	0.00 ± 0.00	0.08 ± 0.17
Tenericutes	0.03 ± 0.07	0.00 ± 0.00	0.00 ± 0.00
Verrucumicrobia	1.10 ± 1.53	0.01 ± 0.04	17.76 ± 2.54*. <sup>†</sup>
Others	0.00 ± 0.00	0.04 ± 0.05	0.05 ± 0.08

C57BL/6N mice were fed with the control CE-2 diet (control), a high-fat diet (HFD), or the HFD supplemented with 0.32% EGCG (HFD + EGCG) for 8 weeks. Values are expressed as the means ± SEM (%) of eight mice in each group; \* $p < 0.05$  compared with the control group. <sup>†</sup> $p < 0.05$  compared with the HFD group.