

Supplementary Information

Table. S1 The indexes of Shannon, Simpson, and Chao1 for gut microbiota from the high fat diet control group (HFD) and nobiletin treatment group (NOB) at the 4th- and 8th- week. Oneway ANOVA and Bonferroni post-test was used to examined for the significance level.

	Shannon	Simpson	Chao1
HFD_4wk	6.24±0.18 ^a	0.95±0.00 ^a	1337.94±93.88 ^a
NOB_4wk	6.92±0.14 ^b	0.97±0.00 ^b	1910.93±75.41 ^b
HFD_8wk	6.94±0.37 ^b	0.96±0.01 ^a	1737.34±165.78 ^b
NOB_8wk	6.50±0.24 ^{ab}	0.95±0.00 ^a	1792.80±217.96 ^b

Different letters (i.e., a, b, c) in superscript within the same column indicated the statistical significance level $p < 0.05$