

Table S1. Hematology analyses results

Groups	WBC	RBC	HGB	HCT	MCV	MCH	MCHC	RDW	PLT	MPV
	K/ul	M/ul	g/dL	%	fL	Pg	g/dL	%	K/ul	fL
NCD	9.57±3.1	8.39±0.43	164.5±8.81	48.65±2.72	58.02±2.47	19.61±0.77	338.3±6.65	13.9±0.62	653.67±31.73	6.26±0.32
HD	9.42±3.56	8.37±0.61	165±13.8	49.08±4.41	58.61±1.99	19.71±0.47	336.4±5.46	13.94±0.74	704.89±64.47	6.34±0.3
HF	8.86±2.09	8.05±0.77	150.78±13.25	44.83±4.09	55.78±2.08	18.77±0.66	336.44±6.22	17.23±1.61	647.56±108.51	6.29±0.31
HFD	8.83±1.77	8.28±0.63	156.9±10	48.09±2.65	58.26±3.54	19±0.94	326.2±10.13	15.4±2.78	681.1±179.2	6.31±0.24

The values are described as the mean ± SD (n = 8).

Table S2. Blood biochemical analyses results.

Groups	TP	ALB	ALP	BUN	CREA	Ca	P	LDH	HDL
	g/l	g/l	U/L	mmol/l	umol/l	mmol/l	mg/dl	U/L	mmol/l
NCD	65.04±6.88	29.64±3.24	142.25±18.48	6.61±0.81	66.38±3.46	2.6±0.32	2.78±0.41	2476.5±618.39	1.38±0.28
HD	65.59±2.71	30.44±1.84	140.25±17.6	6.38±1.04	62.25±5.65	2.57±0.17	2.87±0.18	2684.13±302.88	1.33±0.27
HF	64.11±4.16	28.68±1.57	135.75±17.23	4.76±0.74	63.5±6.91	2.5±0.18	2.39±0.4	1640.5±545.67	1.73±0.35
HFD	62.69±2.18	27.69±1.22	150±33.62	5.6±1.41	62.63±8.25	2.57±0.11	2.63±0.28	1805.5±661.51	1.55±0.21

The values are described as the mean ± SD (n = 8).

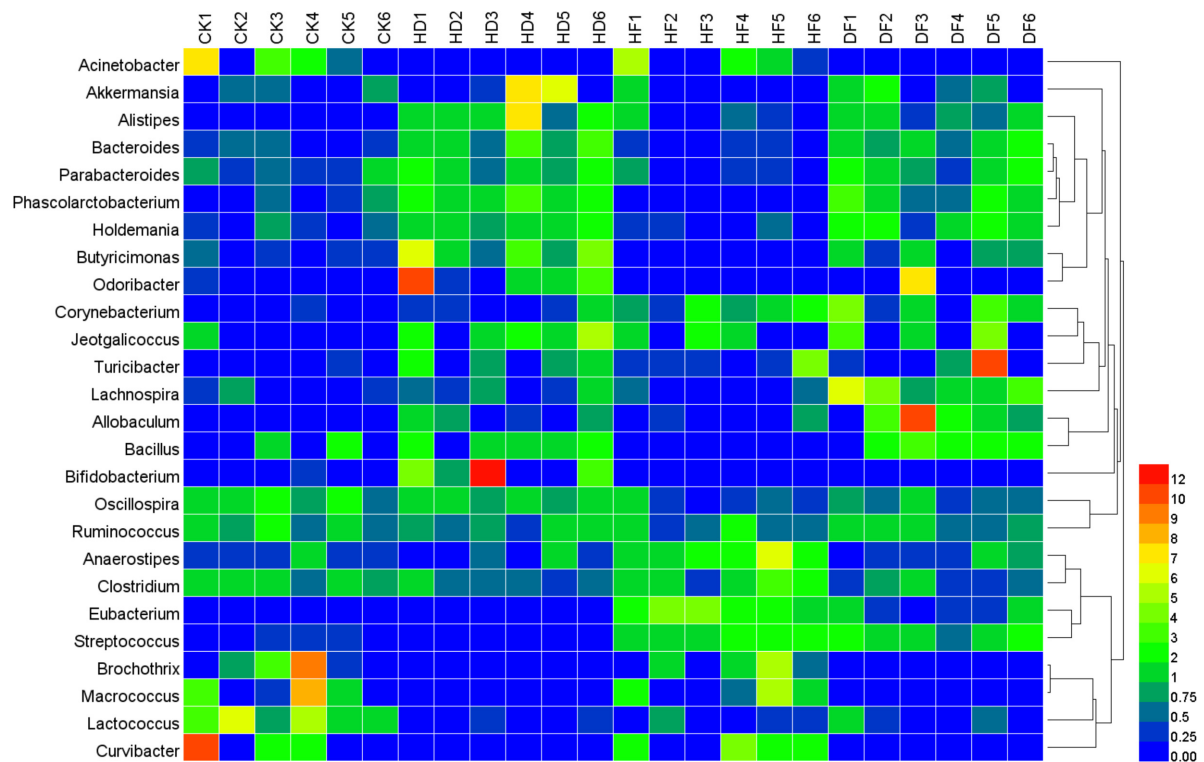


Fig. S1. Heat map of the abundance (%) of differently presented genera between the gut microbiota of NCD and HD group, or HF and HFD group according to the results of LefSe.