

## Supplementary materials

**Table S1**

Dietary energy distribution of the normal-fat diet (NFD, #D12450B) and high-fat diet (HFD, #D12451) purchased from Research Diets Co. Ltd. (New Brunswick, NJ, USA).

<b>Nutritional Components</b>	<b>Normal-fat diet (10% dietary fat)</b>	<b>High-fat diet (45% dietary fat)</b>
Protein	20	20
Carbohydrate	70	35
Fat	10	45
Total kcal/g	100	100

**Table S2**

Composition of the normal-fat diet (NFD, #D12450B) and high-fat diet (HFD, #D12451) used in the animal experiment.

<b>Ingredients</b>	<b>Normal-fat diet (10% dietary fat)</b>		<b>High-fat diet (45% dietary fat)</b>	
	<b>g</b>	<b>kcal</b>	<b>g</b>	<b>kcal</b>
Casein, 30 mesh	200	800	200	800
L-cystine	3	12	3	12
Corn starch	315	1260	72.8	291
Maltodextrin 10	35	140	100	400
Aucose	350	1400	172.8	691
Cellulose, BW200	50	0	50	0
Soybean oil	25	225	25	225
Lard	20	180	177.5	1598
Mineral mix S10026	10	0	10	0
Dicalcium phosphate	13	0	13	0
Calcium carbonate	5.5	0	5.5	0
Potassium citrate	16.5	0	16.5	0
Vitamin mix V10001	10	40	10	40
Choline bitartrate	2	0	2	0
FD&C yellow dye	0.05	0	-	-
FD&C red dye	-	-	0.05	0