

**Table S1.** The composition of normal-chow diet and high-fat diet.

Ingredients	XTCO50H (g)	XTHF45(g)
Casein, 30 Mesh	200	200
L-Cystine	3	3
Corn Starch	315	72.8
Maltodextrin 10	35	100
Sucrose	350	172.8
Cellulose, BW200	50	50
Soybean Oil	25	25
Lard	20	177.5
Mineral Mix S10026	10	10
DiCalcium Phosphate	13	13
Calcium Carbonate	5.5	5.5
Potassium Citrate, 1 H <sub>2</sub> O	16.5	16.5
Vitamin Mix V10001	10	10
Choline Bitartrate	2	2
FD&C Yellow Dye #5	0.05	
FD&C Red Dye #40		0.05
Total	1055.05	858.15
Caloric Information		
Protein, kcal %	20	20
Fat, kcal %	10	45
Carbohydrate, kcal %	70	35
Energy density	3.85kcal/g	4.73kcal/g