

**Supplementary Table 1.** The rat feed formula

	Normal chow diet		High-fat and high-sucrose diet	
	g	kcal	g	kcal
<b>Macronutrients</b>				
Calories from protein, %	14.7		19.5	
Carbohydrate, %	75.9		33.3	
Fat, %	9.4		47.2	
<b>Ingredients</b>				
Corn starch	496	1,985	72.8	291
Maltodextrin	125	500	100	400
Sucrose	100	400	173	691
Soybean oil	40	360	25	225
Lard	0	0	177.5	1,598
Casein	140	560	200	800
L-cystine	1.8	7.2	3	12
Cellulose	50	0	50	0
Mineral mix	35	0	10	0
Vitamin mix	10	40	10	40
Choline bitartrate	2.5	0	2	0