

**Table S1.** Composition of Rodent Diets

diet <i>product #</i>	ND <i>D12450J</i>		HFD <i>D12451</i>	
	<i>gm%</i>	<i>kcal%</i>	<i>gm%</i>	<i>kcal%</i>
protein	19.2	20	24	20
carbohydrate	67.3	70	41	35
fat	4.3	10	24	45
total		100		100
kcal/gm	3.85		4.73	
<i>ingredient</i>	<i>gm</i>	<i>kcal</i>	<i>gm</i>	<i>kcal</i>
casein	200	800	200	800
L-cysteine	3	12	3	12
corn starch	506.2	2024.8	72.8	291
maltodextrin 10	125	500	100	400
sucrose	68.8	275.2	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, 1 H <sub>2</sub> O	16.5	0	16.5	0
vitamin mix, V10001	10	40	10	40
choline bitartrate	2	0	2	0
<b>total</b>	<b>1055</b>	<b>4057</b>	<b>858.1</b>	<b>4057</b>

ND, normal control diet; HFD, high-fat and high-sucrose diet.