

Table S1. Detailed composition information for the experimental diets.

Macronutrients		D12450B			D12451			
		gm%		Kcal%		gm%		Kcal%
Protein		19.2		20		24		20
Carbohydrate		67.3		70		41		35
Fat		4.3		10		24		45
Total (Kcal/gm)			3.85				4.73	
Ingredient		gm%		Kcal%		gm%		Kcal%
Casein, 80 Mesh		200		800		200		800
L-Cystine		3		12		3		12
Corn Starch		315		1260		72.8		291
Maltodextrin 10		35		140		100		400
Sucrose		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,1H2O		16.5		0		16.5		0
Vitamin Mix V1001		10		40		10		40
Choline Bitartrate		2		0		2		0
FD&C Yellow Dye #5		0.05		0		0		0
FD&C Red Dye #40		0		0		0.05		0
Total		1055.05		4057		858.15		4057

Table S2. Primers for PCR analysis of gene expression.

Genes	Forward Primer	Reverse Primer
FAS	GGCTGCAGTGAATGAATTTG	TTCGTACCTCCTTGGCAAAC
LDLR	GGGAGTTTGGCTCCAGAGTTT	TGTGTCTTCAGGGGTCCTTAG
ACC1	GCCATCCGGTTTGTGTCA	GGATACCTGCAGTTTGAGCCA
DGAT2	GCGCTACTTCCGAGACTACTT	GGGCCTTATGCCAGGAAACT
HSL	CCTGGCAAGCCTCATCGTC	AGCAGCCCGGCTAGTAGTAG
ATGL	TCCGTGGCTGTCTACTAAAGA	TGGGATATGATGACGTTCTCTCC
GLP-1	CTGGTGGAAGGCGTGTATCTAT	TGGAAGGAAGTGAAGGAGAGTT
PYY	ACCTCCATCTCCTCCTGCT	CTCTGGTTTGGCAGGGTAGG
GAPDH	CGTCCCGTAGACAAAATGGT	TTGATGGCAACAATCTCCAC