

**Table S1.** Basal diet composition (as-fed basis)

Items	Day 1 to 28	Day 29 to 56
Ingredients, %		
Corn	61.50	65.10
Soybean	28.50	23.00
Soybean oil	1.70	3.50
Calcium hydrogen phosphate	1.93	1.65
Shell power	2.22	2.67
Salt	0.30	0.30
Methionine	0.17	0.12
Lysine	0.16	0.15
Zeolite powder	1.52	1.51
Vitamin premix ¹	1.00	1.00
Mineral premix ²	1.00	1.00
Nutrient level		
Metabolic energy, MJ/kg	2.91	3.06
Crude protein, %	21.00	19.00
Crude fat, %	2.94	3.39
Calcium, %	1.00	0.90
Available phosphorous, %	0.45	0.41
Methionine, %	0.45	0.36
Lysine, %	1.13	0.98

¹ Provided per kilogram of complete diet: 12,800IU Vitamin A, 1,600IU Vitamin D₃, 60IU Vitamin E, 1.6mg Vitamin K₃, 0.12mg Biotin, 50mg Choline, 1.2mg Folic acid, 32mg Nicotinic acid, 16mg Pantothenic acid, 4.8mg Riboflavin, 2.4mg Thiamine (VB₁), 3.2mg Vitamin B₆, and 0.03 mg Vitamin B₁₂.

² Provided per kilogram of diet: Mg, 79mg as manganese oxide; Zn, 60mg as zinc oxide; Cu 100mg as copper sulfate; Fe, 120mg as iron sulfate; I, 0.96mg as potassium iodine; Co, 0.16mg as cobalt sulfate and Se, 0.24mg as sodium selenite.

Table S2. Primers for real-time PCR

Gene ¹	Accession NO.	Primer sequence (5' to 3')	Product size, bp
<i>β-actin</i>	L08165	F: ATCCGGACCCTCCATTGTC R: AGCCATGCCAATCTCGTCTT	113
<i>ChREBP</i>	EU152408	F: ATTGACCCGACCCTGACG R: CATACTGGATGTACCACGCTCT	160
<i>SREBP-1c</i>	XM_015294109	F: GCCCTCTGTGCCTTTGTCTTC R: ACTCAGCCATGATGCTTCTTC	130
<i>FAS</i>	J03860	F: TTTGGTGGTTCGAGGTGGTA R: CAAAGGTTGTATTTCCGGGAGC	215
<i>ACC</i>	J03541	F: GCTTCCCATTGCGCTCCTA R: GCCATTCTCACCACCTGATTACTG	185
<i>SCD1</i>	NM_204890	F: GTTTCACAACACTACCACCATAACATT R: CCATCTCCAGTCCGCATTTT	175
<i>PPARα</i>	AF163809	F: TTAAACGGA GTTCCA ATCGC R: AACCCCTTACAACCTTCACAAGC	224
<i>MTTP</i>	NM_001109784	F: GCAGATGGACAGAGTTGGCT R: ACACCAAAAAGTGCAAGGTGC	224
<i>LPL</i>	NM_205282	F: CCGATCCCGAAGCTGAGATG R: ACATTCTGTACCGTCCAC	186
<i>CPT1</i>	AY675193	F: TAGAGGGCGTGGACCAATAA R: TGGGATGCGGGAGGTATT	229
<i>ApoB</i>	NM_001044633	F: ATCAGCCAAGCAGAGCTTCC R: GCCGAGCAGTGATACCATGA	122
<i>FABP1</i>	HQ640427.1	F: GAGCTCCAGTCCCATGAAAA R: TCAGCAGCTCCATCTCACAC	120
<i>PPARγ</i>	NM_001001460	F: CACTGCAGGAACAGAACAAAGAA R: TCCACAGAGCGAAACTGACATC	120
<i>C/EBPα</i>	NM_001031459	F: CGCGGCAAATCCAAAAAG R: GGCGCACGCGGTACTC	120
<i>C/EBPβ</i>	NM_205253	F: GCCGCCCGCCTTTAAA R: CCAAACAGTCCGCCTCGTAA	120

¹ *ChREBP*, carbohydrate responsive element binding protein, *SREBP-1c*, sterol regulatory element-binding protein 1c; *FAS*, fatty acid synthase; *ACC*, acetyl-coenzyme carboxylase; *SCD*, stearoyl-CoA desaturase; *PPAR*, proliferator-activated regulator; *MTTP*, microsomal triglyceride transfer protein; *LPL*, lipoprotein lipase; *CPT*, carnitine palmitoyl transferase; *ApoB*, Apolipoprotein B; *FABP*, fatty acid binding protein; *C/EBP*, CCAAT/enhancer binding protein.