Table S1. Composition and nutrient levels of the basal diet (air-dry basis).

Item	
Ingredients, %	
Corn	65.00
Wheat bran	5.00
Soybean meal	26.00
Vitamin and mineral premix	4.00[a]
Total	100
Nutrient level	
Digestible energy, Kcal/kg	3150.00
Crude protein, %	18.50
Lysine, %	1.00
Threonine, %	0.74
Calcium, %	0.75
Total phosphorus, %	0.65
Available phosphorus, %	0.40

[a]The premix provided the following per kg of the diet: 100000 IU vitamin A, 50000 IU vitamin D3, 400 mg vitamin E, 30 mg vitamin K3, 45 mg vitamin B1, 100 mg vitamin B2, 70 mg vitamin B6, 0.35 mg vitamin B12, 550 mg nicotinic acid, 450 mg pantothenic acid, 18 mg folic acid, 5 mg biotin, 15 g choline chloride, 1 g Fe, 0.2 g Cu, 1 g Zn, 0.5 g Mn, 3.5 mg I, 2.5 mg Se, 10% Ca, 2.5% total phosphorus, 10% water, 3% Lysine.

Table S2. Primer sequences information.

Genes	Accession	Primer sequences (5'-3')	Produce size, bp
GAPDH	NM_001206359	Forward: CGTGTCGGTTGTGGATCTGA Reverse: TGACGAAGTGGTCGTTGAGG	209
MyHC I	AB053226	Forward: AAGGGCTTGAACGAGGAGTAGA Reverse: TTATTCTGCTTCCTCCAAAGGG	115
MyHC IIa	AB025260	Forward: GCTGAGCGAGCTGAAATCC Reverse: ACTGAGACACCAGAGCTTCT	137
MyHC IIx	AB025262	Forward: AGAAGATCAACTGAGTGAACT Reverse: AGAGCTGAGAAACTAACGTG	149
MyHC IIb	AB025261	Forward: ATGAAGAGGAACCACATTA Reverse: TTATTGCCTCAGTAGCTTG	166
MSTN	NM_214435	Forward: CTCCACTCCGGGAACTGATT Reverse: GAAGATCAGACTCTGTAGGCAT	129
Smad2	NM_001256148.1	Forward: TGTCGTCCATCTTGCCATTCACTC Reverse: GCTCTCCTCCACCTGCTCCTC	96
FoxO1	NM_214014.3	Forward: TGTCCTACGCCGACCTCATCAC Reverse: GCACGCTCTTGACCATCCACTC	96
MyoG	NM_001012406.1	Forward: GGAGAAGCGCAGGCTCAAGAAG Reverse: GCAGGCACTCGATGTACTGGATG	131
NR1D2	XM_021071424.1	Forward: TGAGATGCAGAGTGCGATGAAGAC Reverse: CTGGACTGGTAAGGCTGTCTGTTC	106
IL1RAP	JF735997.1	Forward: CGCCTCCTGGTTGTTCTAAGTCC Reverse: GACCGTGAGCACCGTCTTAGC	183
IRS1	NM_001244489.1	Forward: AGCACAAGCCAGTCCTCTCCTAC Reverse:	169

		CTGCTGGTGGATGACGACGAATC	
FASN	AY952929.1	Forward: TGCTCCTCTGTCGCCGTCTATAAG Reverse: TTCCAGGTCAGCCACAGGTAGC	125
FOMX1	XM_021092454.1	Forward: CCAGTGCCAACCGCTACTTGAC Reverse: GGCAGCAGTGGCTTCATCTTCC	181
CCNB3	XM_013990898.2	Forward: TGTCCACCACCACTGCTCCTG Reverse: TGCTCCTCCTGTGATCTCTTGCC	157
IL18	NM_213997.1	Forward: CAGGGACATCAAGCCGTGTT Reverse: TGCCAGACCTCTAGTGAGGC	114
SCD	AY487829	Forward: TGGTGATGTTCCAGAGGAGGTA Reverse: ATGGCGTAACGAAGAAAGGTG	139

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