

**Supplementary Table S1.** Composition of basal diets and nutrient levels.

Ingredients	Percentage (%)	Nutrient level	Content
Wheat	68.40	ME (kcal/kg)	2750
Soybean meal	15.00	Crude protein (%)	16.50
Soybean oil	1.30	Calcium (%)	3.60
DDGS	3.00	Available phosphorus (%)	0.35
Limestone	9.00	Met (%)	0.35
CaHPO <sub>4</sub>	0.80	Lys (%)	0.80
Bran	1.00	Met + Cys (%)	0.70
Premix <sup>1</sup>	1.50		

<sup>1</sup>The premix provided the following per kg of diet: vitamin A, 15,000 IU; cholecalciferol 4,000 IU; vitamin E, 50 mg; thiamine, 3.60 mg; riboflavin, 10 mg; pyridoxine, 5.5 mg; iron, 100 mg; manganese, 110 mg; copper, 10 mg; zinc, 100 mg; selenium, 0.4 mg; iodine, 0.3 mg.

**Supplementary Table S2.** Primers for PCR<sup>1</sup>.

Gene name	Accession	Primer sequence (5'-3')	Product size (bp)	Amplification efficiency (%)
<i>HMGCR</i>	NM_204485.3	F: AGGAGCTTGCTGTGAAAACG R: AAGCTTTCACCTCTGCAGCC	254	99.7
<i>MVK</i>	XM_015275510.4	F: TCGGGTGTGGATAATGCTGT R: CCAGAACACTTTGGCACTCC	238	98.6
<i>FDPS</i>	NM_001396601.1	F: AGGAGTTCGTGGGGTTCTTC R: AACAACTCGATGCACCAACC	241	98.3
<i>FDFT1</i>	NM_001039294.2	F: AAGGTCCCGATGCTGAATGA R: AGAGAAGAGTCGGGAAAGGC	288	99.8
<i>SQLE</i>	NM_001194927.2	F: TTGTGGGTTCAGGTGTCCTT R: CCTCCGACTTGCTCTCTAGG	234	99.5
<i>VLDLR</i>	NM_205229.2	F: AAGGACTGGAGTGATGAGCC R: GTTCTTTCCCCACAGCCTTG	289	99.2
<i>β-actin</i>	NM_205518.2	F: AGTACCCCATTTGAACACGGT R: ATACATGGCTGGGGTGTGTA	197	98.5

<sup>1</sup> Abbreviation represents: *HMGCR*, 3-hydroxy-3-methylglutaryl-CoA reductase; *MVK*, mevalonate kinase; *FDPS*, farnesyl diphosphate synthase; *FDFT1*, farnesyl-diphosphate farnesyltransferase 1; *SQLE*, squalene epoxidase; *VLDLR*, very low density lipoprotein receptor; *β-actin*, actin beta.