

Supplementary Material

Effect of nutritionally induced hyperlipidaemia on *in vitro* bovine embryo quality depends on the type of major fatty acid in the diet

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Table S1. Details of primers used for qRT-PCT

Gene symbol	Gene name	Forward and reverse primer sequences (5'-3')	Product size (bp)	Gene Bank accession no.
H2AFZ	H2A histone family member Z	AGGACGACTAGCCATGGACGTG TG CCACCACCAGCAATTGTAGCCTT G	212	NM_016750
GAPDH	Glyceraldehyde-3-phosphate dehydrogenase	ACCCAGAAGACTGTGGATGG AYGCCTGCTTCACCACCTTC	247	BC102589
SOD2	Mitochondrial superoxide dismutase 2	GCTTACAGATTGCTGCTTGT AAGGTAATAAGCATGCTCCC	101	S67818.1
DNMT3A	DNA cytosine-5-methyltransferase 3 alpha	CTGGTGCTGAAGGACTTGGGC CAGAAGAAGGGGCGGTCATC	318	AY271299
SCL2A1	Solute carrier family 2 (facilitated glucose transporter) member 1	CTGATCCTGGGTCGCTTCAT ACGTACATGGGCACAAAACCA	68	NM_174602.2
GPX1	Glutathione peroxidase 1	GCAACCAGTTTGGGCATCA CTCGCACTTTTCGAAGAGCATA	116	NM_174076.3
ACCA	Acetyl-coa carboxylase, carboxytransferase, alpha subunit	AAGCAATGGATGAACCTTCTTC GATGCCCAAGTCAGAGAGC	196	FN185963.1
G6PD	Glucose-6-phosphate dehydrogenase	CGCTGGGACGGGGTGCCCTTCA TC CGCCAGGCCTCCCGCAGTTCATC A	264	NM_001244135.1
SLC2A4	Solute carrier family 2 (facilitated glucose transporter) member 4	TGCGCCATCTTGATGACTGT GGCCAGGGCCAATTTCAAAG	115	NM_174604.1
SREBF	Sterol regulatory element-binding protein	GACGGCCAGGTGAATCCAGA CAGGACCATCTTGCCCTCA	224	NM_001113302.1
PLIN2	Lipid droplet-associated protein	CGTCCCTGTGACGCAATGCAGAG TGCGAGTTCTGGACAGGCTCTG	235	NM_173980
PTGS2	Prostaglandin-endoperoxide synthase-2	ATCTACCCGCCTCATGTTCTT GGATTAGCCTGCTTGTCTGGA	187	AF031698
BCL2	B- cell lymphoma 2	GTCCCGCCTCTTCACCTTTCAG GATTCTGGTGTTCCTCCGTTGG	147	NM_009741.4
SHC1SHC	Src homology 2 domain-containing transforming protein 1	GTGAGGTCTGGGGAGAAGC GGTTCGGACAAAGGATCACC	334	NM_001075305