

10.1071/RD16297\_AC

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Supplementary Material: *Reproduction, Fertility and Development*, 2017, 29(9), 1856–1867.

## 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**

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