

Supplementary Table 1. Primer pair sequences, efficiency, amplicon size and annealing temperature for the genes used for real-time PCR.

Name	Gene symbol	5'-3' primer sequence		Amplicon size (bp)	Annealing temperature (°C)	Primer efficiency	GeneBank accession no.	Reference
		Forward	Reverse					
3-hydroxy-3-methylglutaryl-CoA reductase	<i>hmgcr</i>	ccttcagccatgaactggat	tctgtccacaggaatgta	224	60	1.88	NM_001173919	1
3-hydroxy-3-methylglutaryl-CoA synthase	<i>hmgcs</i>	ctgtcatcgacacaacaca	tatccaatccagagccagc	135	60	1.97	AM402497	This study
7-dehydrocholesterol reductase	<i>dhcr7</i>	cccggcagcctcataaacaagta	aaggcaaaaggtggacacagcatag	183	60	1.93	TC206309	1
Acyl-coA cholesterol acyltransferase	<i>acat</i>	tgctggagtttgacctgttg	gctgcgatgtagagagtc	139	60	1.98	GE793368	This study
Alcohol dehydrogenase class-3	<i>adh3</i>	gagtggtggctgaagtga	cacacaggttgctttggg	113	60	1.99	EG929557	This study
Apolipoprotein AI	<i>apo-AI</i>	ctgtcctcgcactaacat	tggacctctgtgcagcaac	144	60	1.96	NM_001123663	This study
Apolipoprotein AIV	<i>apo-AIV</i>	caggaccagtctcagcaaca	gttgacctctgtgccact	131	60	1.90	BT048822	This study
Apolipoprotein B48	<i>apo-B48</i>	ccctgagatggtgtccgtat	gcgtgcactccatagcttc	131	63	1.80	CB504205	This study
ATP-binding cassette A1	<i>abca1</i>	acagtggagggaacatgagg	cccctcctgacgatactga	149	60	1.95	TC187143	This study
ATP-binding cassette G5	<i>abcg5</i>	agactgcctcgtccaact	ccatttctgtaacgtgtacc	157	60	1.94	CU073172	2
Beta-actin	<i>actb</i>	caaagccaacaggagaagatga	accggagtcctatgacgatac	133	60	1.86	AF012125	3
cholesteryl ester transfer protein	<i>cetp</i>	acactgcagatggtgaagc	tctgagaacaacactgggg	164	60	1.91	TC200602	This study
Cluster of differentiation 36	<i>cd36</i>	caagtcagcgacaaccaga	aggagacatggcgatgtagg	91	60	1.93	AY606034	This study
cysteine sulfinate decarboxylase	<i>csd</i>	ctcttgacgggtgggacta	ctgccaccaacttagaga	152	60	2.00	377783949	This study
Cytochrome P450 27A1	<i>cyp27a1</i>	ggaggaattcagaagcagag	ccactccaataacacagc	134	60	1.83	CA372466	This study
Cytochrome P450 51	<i>cyp51</i>	tgcatggggagaactttgc	atctgatgacgggttgtgt	148	60	1.91	DY731118	This study
Cytochrome P450 7A1	<i>cyp7a1</i>	tcctcaacacctggagaac	cagcagtgcttagccaggt	125	63	2.00	BT059202	2
Diphosphomevalonate decarboxylase	<i>mvd</i>	gcaatcagttccatgccact	ggttatagcgtgcaaacgg	99	60	1.89	NM_001140496	This study
Elongation factor 1 alpha	<i>ef1a</i>	gtgctgtcttatcgttgg	ggctctgtgtagtccattt	148	60	1.91	AF321836	3
Farnesoid X receptor	<i>fxr</i>	ttcaacatcactcaatca	tagcaggtcctcattgat	102	60	2.00	NM_001173830	2
Farnesyl pyrophosphate synthetase	<i>fpps</i>	aagaggaaacacaacgcc	tgtccaatctcccctgca	116	60	1.95	NM_001140378	This study
Fatty acid binding protein 2a1	<i>fabp2a1</i>	gggtctgaaaactaccagagcca	ggattgaacgtagctctcttgg	152	60	2.00	EU880417	4
Fatty acid transport protein	<i>fatp</i>	aggagagaactctccacca	cgcatcacagtaaatgtcc	159	60	1.88	CA373015	This study
Glyceraldehyde-3-phosphate dehydrogenase	<i>gapdh</i>	aaagtgaagcaggagggtgaa	cagcctcaccctattgatg	96	60	1.85	BT050045	3
Isopentenyl-diphosphate delta isomerase 1	<i>idi1</i>	tacctccaaaatggcactc	cgctccctatagcagcttc	132	60	1.89	EG840055	This study
lanosterol synthase	<i>lss</i>	cacaccacacagcactac	cagctcttgaccgctcttc	100	60	1.93	DY715679	This study
Lathosterol oxidase	<i>sc5d</i>	tcctctccctcgcacaag	cggtgaccacctccttagt	120	60	1.94	NM_001140116	This study
lipoprotein lipase	<i>lpl</i>	atggagcctgggagaatac	agatgacacaggtggagg	90	60	1.95	AF358669	This study
Liver X receptor	<i>lxr</i>	gccgccctatctgaaatctg	caatccggcaaccaatctgtagg	210	60	1.88	FJ470290	1
mevalonate kinase	<i>mkv</i>	agggtgggtgaggtgagatgga	tgcgaggagccttggtttgtg	199	62	1.96	Ssa#S31979800	1
Microsomal triglyceride transfer protein	<i>mtp</i>	aacgtgacagtgacatgga	ggaccgtggtgatgaagtct	89	60	2.00	CA042356	This study
Monoacylglycerol acyltransferase 2-A	<i>mgat2a</i>	acgctacaggctcaggaaa	ggaatcagacctccatcat	116	60	2.05	NM_001140718	This study
Niemann-Pick C1 like 1	<i>npc1l1</i>	ccaaagacctgatcctggaa	cgaagcacacatcctcaga	108	60	1.90	CB505644	This study
Peroxisome proliferator activated receptor alpha	<i>ppara</i>	gcttcacaccaggagttt	tcactgtcatccagctccag	113	60	1.99	NM_0011235960	2
Peroxisome proliferator activated receptor gamma	<i>pparg</i>	tgctgcaggctgagtttatg	caggggaaagtgtctgtgtg	107	58	1.96	NM_0011235946	2
phosphomevalonate kinase	<i>pmvk</i>	caatacgcacagaccatgg	cactggatcatgacagcag	89	62	2.00	Omy#S15268923	This study
RNA polymerase II	<i>rnapolII</i>	ccaatacatgacaaatgaaagg	atgatgatggggatctcctgc	157	60	1.80	BG936649	3
squalene monooxygenase	<i>sqle</i>	tcaccaccagctgagaagg	cacggcaaaagagtgccaa	130	60	1.84	Ssa#S31977705	This study
Squalene synthetase	<i>fdft</i>	cctactaacctcaccctgc	acaggacaggtgaatggag	111	60	1.99	BT07216	This study
sterol element regulatory binding protein 1	<i>srebp1</i>	gccatcgcagggtgtttctca	tctggccaggacgcactcacact	151	63	1.91	HM561860	1
Sterol element regulatory binding protein 2	<i>srebp2</i>	tcggcctcctgatgatt	agggctaggtgactgttctgg	147	60	1.91	HM561861	1
Taurine transporter	<i>slc6a6</i>	ggaggtggaagacagatca	acatgccaccttctgtacc	143	60	1.97	NM_00112363	5

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