

Table S1. Sequence information of primers designed for PCR and RT-qPCR

Name	Primer	Sequence	Amlicon size (bp)	Gene ID	Purpose of primers
<i>FASN</i> (WT)	Forward	CGAGCTCGCCCATAGGACCAGCACC	509	XM_027974304.1	pmirGLO vector
	Reverse	CCGCTCGAGAGAGCGAACGAGGGATTTA			
<i>FASN</i> (MUT)	Forward	GAGGTTTTTATTGCGTTGCCATGGGGGGCGGGG	607	NM_001009254.1	
	Reverse	CAACGCAATAAAAACCTCAAACAGAAAAACGACAACCACACC			
<i>SCD</i> (WT)	Forward	CGAGCTCGTTTCTGGTCCTTGGATT	607	NM_001009254.1	
	Reverse	CCGCTCGAGGCCTTGTTCCCACTTCA			
<i>SCD</i> (MUT)	Forward	ATTGCGCGGTTTCGCAAGCAGTTGGTCAGTCATTG	435	NM_001009394.1	
	Reverse	CTTGCGAACC GCGCAATGAGGAGAAAGAGAAAGGAA			
<i>LPL</i> (WT)	Forward	CGAGCTCTGAGGTGTATAGTGCCAAAT	435	NM_001009394.1	
	Reverse	CCGCTCGAGGATGCAACCAACCGTAGA			
<i>LPL</i> (MUT)	Forward	GCTTTGAGGTCTCTAAATATAGAAAGTAGGATTTTTTGCAG	207	NM_001009394.1	RT-qPCR
	Reverse	TTAGAGAACCTCAAAGCTTTGAGAAGGTTATCAACCTA			
<i>LPL</i>	Forward	ACCTGAAGACTCGTTCTC	207	NM_001009394.1	RT-qPCR
	Reverse	CACCTCCGTGTAAAGTAG			
<i>SCD</i>	Forward	AGATTTATCCGACCTAAGAGC	115	NM_001009254.1	
	Reverse	CCATAGATACCACGGCAC			
<i>FABP4</i>	Forward	TGTCCTTCAAATTGGGCCAGG	187	NM_001114667.1	
	Reverse	AGCAGTGACACCGTTCATGAC			
<i>LPINI</i>	Forward	GACAACCCTGCCCTCATT	176	NM_001113773.1	
	Reverse	CATCTTCCTCCCTTTCTGG			
<i>ACACA</i>	Forward	GTCCTCTGCCAGTTTCCC	173	NM_001009256.1	
	Reverse	TCCATCACCACAGCCTTC			
<i>β-actin</i>	Forward	AGCCTTCCTTCCTGGGCATGGA	113	NM_001009784.3	
	Reverse	GGACAGCACCGTGTGGCGTA			

Note: WT: The primers used for constructing wild-type (WT) pmirGLO vector.

MUT: The primers used for constructing mutated (MUT) pmirGLO vector.