

## Online-Only Appendix

**Table 1.** Oligonucleotide primers for quantitative real-time PCR.

Gene	Genbank accession number	Primers (forward/reverse)
SPT1	Y08685	GGATTTGCCACCATAGCC / GAGTTACACGAGCCTTGC
SPT2	Y08686	AGGATGTGGATGTTATGATGG / AATGTGTTTCGCAGGTAGTC
al/n-CDase	AF449759	ACATTACCACTTATGAAGAATACC / CCGTAGCAATAGCCTTAGC
a-CDase	NM_004315	AGCGTGGGTGTTGAATCC / ACAGCAGTTAGAACCAGAAGG
SPHK1	AF238083	AAGACCTCCTGACCAACTG / ACGCCGATACTTCTCACTC
SPHK2	AF245447	CATCCAGACAGAACGACAG / CACAGGCATCTTCACAGC
n-SMase	NM_017751	GTGGAGTACAGCATCGTGATG / ACCAGGCAAGTAGGAGACAG
a-SMase	NM_000543	GCCTTAATCCTGGTTACCGTGTG / ATGTTTGCCTGGGTCAGATTCAG
CPT1-M/L	NM_004377	GTGTATCCGCCTTCTATCCAG / CGGTAATATTCCTCATCATCCAAC
FAT/CD36	NM_001001548	GGACGCTGAGGACAACAC / GCCAGATTGAGAAGTGTGAAG
LPL	NM_000237	CAGACTCATCTACACAGCAGTATG / CCCTTTCTTCGTCCTCTCC
PDK4	NM_002612	GAAGGTTGGCAGACCAGTTG / TGCTTCCCTCTCTTCCTATATCC
ACO1	NM_004035	TGGGTCATTGGTTGTCTTGGGAAG / AGTGTAGTCCGCAGTCTGAATGTG
$\beta$ -actin	NM_001101	TCGTGCGTGACATTAAGGAG / GAAGGAAGGCTGGAAGAGTG

Primers were designed using Beacon Designer Software (Premier Biosoft). SPT – serine palmitoyltransferase, al/n-CDase – neutral/alkaline ceramidase, a-CDase – acid ceramidase, SPHK – sphingosine kinase, n-SMase – neutral sphingomyelinase, a-SMase – acid sphingomyelinase, CPT1-M/L – carnitine palmitoyltransferase 1 muscle/liver isoform, FAT/CD36 – fatty acid translocase/CD36, LPL – lipoprotein lipase, PDK4 – pyruvate dehydrogenase kinase 4, ACO1 – acyl-CoA oxidase 1.