

Table S1: Sequences of the primers used in SYBR Green assays and references of the probes used in TaqMan assays. **The NCBI accession numbers have been included.**

Gene	TaqMan Probe	
18s	4310893E – 1510059	
mPpara	Mm00440939_m1	
mFabp1	Mm00444340_m1	
	Primer Forward (SBYR green)	Primer Reverse (SBYR green)
mB2M NM_009735.3	F-5`-ACTGATACATACGCCTGCAGAGTT -3`	R-5`-TCACATGTCTCGATCCCAGTAGA -3`
mCPT1a NM_013495.2	F-5`- AGAATCTCATTGGCCACCAG -3`	R-5`- CAGGGTCTCACTCTCCTTGC -3`
mEhhadh NM_023737.3	F-5`-AATACAGCGATACCAGAAGCC -3`	R-5`-ATTCCCAGCATCACTTCCG -3`
mG6Pase NM_008061.4	F-5`- CAGTGGTCGGAGACTGGTTC -3`	R-5`- GTCCAGGACCCACCAATACG-3`
mPepck NM_011044.2	F-5`- CTTTGGTGGCCGTAGACCTG-3`	R-5`- GATGATCTTGCCCTTGTGTTCTG-3`
mSmile NM_145151.3	F-5`- GGATACAGCTGTTGGGGCA -3`	R-5`- CAGCAGAAGCCCTGATATTACCT -3`
mPgc1a NM_008904.2	F- 5'-AACCACACCCACAGGATCAGA-3'	R- 5'-CTCTTCGCTTTATTGCTCCATGA-3'
mLxra NM_001177730.1	F-5`- CAGGGTGAGGAGAGGAAGGA -3`	R-5`- ACATCTCTTCCTGGAGCCCT -3`
mLxrb NM_00128517.1	F-5`-GCGGGGCCTGGAACAA -3`	R-5`-GAACCATTCACAGGCACG -3`
mCyp7a1 NM_007824.3	F-5`-TTGATCTGGGGGATTGCTGT -3`	R-5`-GGATCCGAACCTTCAGAGCACA -3`

mPltp NM_011125.2	F-5`-CATCACCATCCCAGACGTGTA -3`	R-5`- CAGATCTTGGTCTGGCTGGAA-3`
mFasn NM_007988.3	F-5`-GCTGCGGAAACTTCAGGAAAT -3`	R-5`-AGAGACGTGTCACTCCTGGACTT -3`
mScd1 NM_009127.4	F-5`CTTGGGATCTTCCTTATCATT- -3`	R-5`-GATCTCGGGCCCATTCG -3`
mElolv6 NM_130450.2	F-5`-TGCAGGAAAAGTGAAGAAGTCT -3`	R-5`-ATGCCGACCACCAAAGATAAA -3`
mSrebp1c NM_001358314.1	F-5`-GGAGCCATGGATTGCACATT-3`	R-5`-GGCCCGGGAAGTCACTGT-3`
mChrebpb NM_001359237.1	F-5`- TCTGCAGATCGGTGGAG-3`	R-5`-CTTGTCCCGGCATAGCAAC -3`

Figure S1: Stability of the Housekeeping genes. Hepatic mRNA relative levels of *18s* and *B2m* were measured by qRT-PCR in HFD (n=9) and HFDM (n=14). Bars represent the mRNA relative levels in the HFD animals, considered the control group and assigned to an arbitrary value of 1, and in the HFDM. Data are presented as the mean $\pm$ SEM.

