

Supplementary Table 1: RT-PCR primers

Name	Sequence (5'-3')
18S-F	ACCGCAGCTAGGAATAATGGA
18S-R	CAAATGCTTTCGCTCTGGTC
mUCP1-F	ACTGCCACACCTCCAGTCATT
mUCP1-R	CTTTGCCTCACTCAGGATTGG
mTR α -F	ATGGAACAGAAGCCAAGCAA
mTR α -R	TTCCATCTGGTGACCTGGCA
mTR β -F	AGGGTACCACTATCGCTGCA
mTR β -R	GCGGGTGACTTTGTCTATGA
mChREBP-F	CACTCAGGGAATACACGCCTAC
mChREBP-R	ATCTTGGTCTTAGGGTCTTCAGG
mChREBP α -F	CGACACTCACCCACCTCTTC
mChREBP α -R	TTGTTCA GCCGGATCTTGTC
mChREBP β -F	TTGTTCA GCCGGATCTTGTC
mChREBP β -R	CTTGTC CCGGCATAGCAAC
mSREBP1C-F	GCAGCCACCATCTAGCCTG
mSREBP1C-R	CAGCAGTGAGTCTGCCTTGAT
mELOVL6-F	TCAGCAAAGCACCCGAAC
mELOVL6-R	AGCGACCATGTCTTTGTAGGAG
mGLUT4-F	GTGACTGGAACACTGGTCCTA
mGLUT4-R	CCAGCCAGTTGCATTGTAG
mACC1-F	TGGACAGACTGATCGCAGAGAAAG
mACC1-R	TGGAGAGCCCCACACACA
mATGL-F	TGTGGCCTCATTCCTCCTAC
mATGL-R	TCGTGGATGTTGGTGGAGCT
mCPT1B-F	TTCAAACTACACGCATCCC
mCPT1B-R	TGGACAGACTGATCGCAGAGAAAG
mPPAR α -F	AGAGCCCCATCTGTCCTCTC
mPPAR α -R	ACTGGTAGTCTGCAAAACCAAA
mACLY-F	ACCCTTTCACTGGGGATCACA
mACLY-R	GACAGGGATCAGGTATTCCTTG
mSCD1-F	TTCTTGCGATACTCTGGTGC
mSCD1-R	CGGGATTGAATGTTCTTGTCGT
mFASN-F	AAGCGGTCTGGAAAGCTGAA
mFASN-R	AGGCTGGGTTGATACCTCCA
mVLCAD-F	CTACTGTGCTTCAGGGACAAC
mVLCAD-R	CAAAGGACTTCGATTCTGCCC
mDIO2-F	CAGTGTGGTGCACGTCTCCAATC
mDIO2-R	TGAACCAAAGTTGACCACCAG
mCOX8B-F	GAACCATGAAGCCAACGACT
mCOX8B-R	GCGAAGTTCACAGTGGTTCC
mCIDEA-F	TGCTCTTCTGTATCGCCCAGT
mCIDEA-R	GCCGTGTTAAGGAATCTGCTG

mPGC1 α -F	TGATGTGAATGACTTGGATACAGACA
mPGC1 α -R	GCTCATTGTTGTACTGGTTGGATATG
mHK2-F	AGAGAACAAGGGCGAGGAG
mHK2-R	GGAAGCGGACATCACAATC
mPFK1-F	GCCTATCTCATCCAGCTACG
mPFK1-R	CTTGCTACTCAGGAT TCGGT
mPFKP-F	AAGCTATCGGTGTCCTGACC
mPFKP-R	TCCCACCCACT TGCAGAAT
mPGK1-F	GAGCCTCACTGTCCAAACTA
mPGK1-R	CTTTAGCGCCTCCCAAGATA
mPKM2-F	TGCTGCAGTGGGGCCATTAT
mPKM2-R	GAGTCACGGCAATGATAGGA
mGAPDH-F	AGAACATCATCCCTGCATCC
mGAPDH-R	GGTCCTCAGTGTAGCCCAAG
mPDK4-F	AGGGAGGTCGAGCTGTTCTC
mPDK4-R	GGAGTGTTCACTAAGCGGTCA
mGYK-F	ACCCTCCATGCCTGAAACAA
mGYK-R	ACCACTTTCTGGAGACTGAGTT
mDGAT2-F	GCGCTACTTCCGAGACTACTT
mDGAT2-R	GGGCCTTATGCCAGGAAACT

Supplementary Table 2: Antibodies for western blot

Antibody	Source (Catalog number)
UCP1	Abcam (ab10983)
ChREBP	Novus Biologicals (NB400-135)
ACLY	CST (4332S)
ACC1	CST (C83B10)
FASN	CST (3180S)
SCD1	CST (2794S)
ACTIN	CST (4970S)
HSP90	CST (4874S)
TUBULIN	Sigma/flu/Ald (420289)

Supplementary Table 3: Primers for ChIP assay

Name	Sequence (5'-3')
ChREBP-F	AGGAAGGATGCCAGGGGA
ChREBP-R	ATTTCGTCCTCGGGTGGC
ACLY-F	AAAGCAGGTCTAACGCACTGG
ACLY-R	GCTATAGCACTTCTCCCTGGAC
ACC1-F	TCCTTCCTCTCCTTCCTTAG
ACC1-R	GTGTTTAGCACTGTTTTGCGG

FASN-F	CCTATCCTGCCTACTGCTCCCG
FASN-R	GGCAACAGCGGCAAAGCACT
SCD1-F	CTTTACCCTTTGCTGGCA
SCD1-R	CGTTGGTGTAGGCGAGT
GLUT4-F	AAGGCTCCATCTCCTTTGCC
GLUT4-R	AACTCCAGCAGGATGACATAG
PDK4-F	GTGAGCTCTCATGGGGGAAAA
PDK4-R	GGGACGCTGTAACGACTTGG
UCP1-F	TAGTCGTCACCTTTCCACTC
UCP1-R	TATGGCAGAATGAAATTCTC
