

Supporting information

Figure S1. Effects of pioglitazone on the levels of protein FASN, Acox1 and ACC in the liver of KKAY mice.

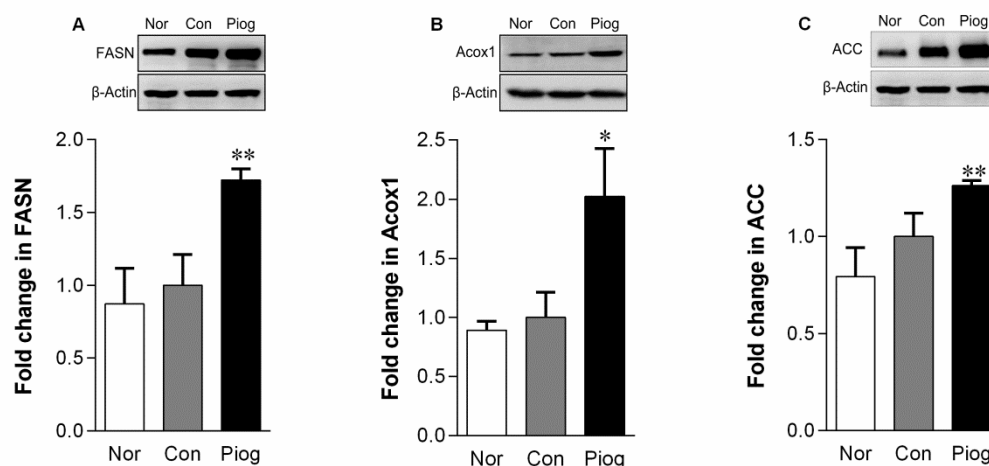


Figure S1. Effects of pioglitazone on the levels of protein FASN, Acox1 and ACC in the liver of KKAY mice. Representative Western blot for FASN (A), Acox1 (B), ACC (C) and β-actin. The bar graph represents statistical data from six individual mice per group. The bands were determined by densitometric analysis and expressed as fold change, after correction for β-actin levels, relative to the control mice. Nor, C57BL/6J mice; Con, vehicle-treated KKAY mice; Piog, pioglitazone-treated KKAY mice. Data are presented as mean ± S.E.M. *P<0.05, **P<0.01 vs. Con.

Table S1. Sequences of primers for real-time PCR.

Gene	5'-Sense primer-3'	5'-Antisense primer-3'	Gene Bank Accession.Version
FABP4/ap2	TCACCATCCGGTCAGAGAGT	TTCATCGAATTCCACGCCCA	NM_024406.2
LPL	CGTAGTTCCAGCAGCAAAGC	GAAGGCGGTCAAACCTCTGGA	NM_008509.2
FAT/CD36	CTCCTAGTAGGCGTGGGTCT	CACGGGGTCTCAACCATTC	NM_001159558.1
FSP27	ATGGTGCCAGAGTGGTTAGC	AGAGTCCCAGGTGAGAGACC	NM_178373.3
AdipoQ	CCCAGTCATGCCGAAGATGA	CACAAGTCCCTTGGGTGGA	NM_009605.4
ACC	GCTAAACCAGCACTCCCGAT	GTATCTGAGCTGACGGAGGC	NM_133360.2
FASN	CTTCTGGTGTGCAACTGTGC	AGGGCAGCTACCATGTTGTC	NM_007988.3
SCD1	GCGCTCTTACCCCTTGCTG	GACTCTCGGGATGGGTGTC	NM_009127.4
DGAT-2	ACTGGAACACGCCCAAGAAA	GTAGTCTCGGAAGTAGCGCC	NM_026384.3
FATP-1	CGCCGATGTGCTCTATGACT	ACACAGTCATCCCAGAAGCG	NM_011977.3
CPT-1a	GACCGCGCTCTTAGGACTAC	GAGCAGCAAGGAAGGACACT	NM_013495.2
ACOX-1	GGAGACAGGTTGTCATCGCT	TTCATGACGGAGACCAGTGC	NM_015729.3
mCAD	TCAAGATCGCAATGGGTGCT	GCTCCACTAGCAGCTTTCCA	NM_007382.4

ApoB	<i>GTCCAGGTTGAATCACGGGT</i>	<i>AGGATCCTGCAAGGTCAAGC</i>	NM_009693.2
ApoC2	<i>GTCTCGGTTCTTCTGGCTC</i>	<i>TCCTTGGCAGAGGTCCAGTA</i>	NM_009695.3
ApoC3	<i>GCTAAGTAGCGTGCAGGAGT</i>	<i>GCTCCAGTAGCCTTTCAGGG</i>	NM_023114.3
MTTP	<i>GTTTTTCCCGGTCAAGCGTT</i>	<i>TCTTTCAGTGGGGCGATCTT</i>	NM_001163457.1
HL	<i>GTCGCTGCTGGGAACAAAAG</i>	<i>GGATCAACTCGCCGATGTCT</i>	NM_008280.2
ATGL	<i>TGTGCAAAACAGGGCTACAGAG</i>	<i>AAAGGGTTGGGTTGGTTCAG</i>	NM_001163689.1
HSL	<i>GTGAATGAGATGGCGAGGGT</i>	<i>GGAGTCGCGTTAGAGTCACC</i>	NM_010719.5
SREBP-1	<i>ACTTTTCCTTAACGTGGGCCT</i>	<i>CATCTCGGCCAGTGTCTGTT</i>	NM_011480.3
SREBP-2	<i>CATAGCACTGTCCCCGACTC</i>	<i>CTCCTTGGCTGCTGACTTGA</i>	NM_033218.1
PPAR γ	<i>GTCACACTCTGACAGGAGCC</i>	<i>AGAACGTGACTTCTCAGCCC</i>	NM_001127330.1
PPAR α	<i>CCGAACATTGGTGTTTCGAG</i>	<i>GATACGCCCAAATGCACCAC</i>	NM_011144.6
PPAR β	<i>ATGGGACTCACTCAGAGGCT</i>	<i>TGGCTGTTCCATGACTGACC</i>	NM_011145.3
LXR α	<i>AGAGTCTTGGGTCGCCAGTA</i>	<i>CTGGAGCCCTGGACATTACC</i>	NM_013839.4
LXR β	<i>GCTAGCCATCATCTCGGTCC</i>	<i>TCTCAATGGTGGACGCCTTC</i>	NM_009473.2
FXR	<i>GGCTGCAAAGGTTTCTTCGG</i>	<i>ACATTAGCCAACATCCCCA</i>	NM_001163700.1
HMGR	<i>TGCCTGGATGGGAAGGAGTA</i>	<i>GCCTCGAGTCATCCCATCTG</i>	NM_008255.2
ApoA1	<i>GAACGAGTACCACACAGGG</i>	<i>ATGGGCATCAGACTATGGCG</i>	NM_009692.3
ApoE	<i>CCTGAACCGCTTCTGGGATT</i>	<i>CCATCAGTGCCGTCAGTTCT</i>	NM_009696.3
SR-BI	<i>GTGCCCATCATCTGCCAACT</i>	<i>TAGGCCTGAATGGCCTCCTT</i>	NM_016741.2
LDLR	<i>GGGAACATTTGCGGGTCTGT</i>	<i>AGTCTTCTGCTGCAACTCCG</i>	NM_010700.3
ABCA1	<i>GCCTGGATCTACTCTGTGCG</i>	<i>GCCATTGTCCAGACCCATGA</i>	NM_013454.3
ABCG5	<i>CTATCAGCTTGTGGGTGCCA</i>	<i>GAGGACGTGTAGCACGTAGG</i>	NM_031884.1
ABCG8	<i>AAGACCCTTGGGCGTTACAG</i>	<i>CCACTGTGAAAGCCGATCCT</i>	NM_026180.2
ABCB11	<i>TCATCGCCGTCATGTCACAA</i>	<i>TAGTAGGCCCCCTTCTGGTC</i>	NM_021022.3
ABCB4	<i>GAGCAAAGTCCAGGTCTGCG</i>	<i>TTGGTTGCTGATGCTGCCTA</i>	NM_008830.2
Cyp7a1	<i>GGGAGGCTTGGGAATTTTG</i>	<i>AACGCTCAGCAGTCGTTACA</i>	NM_007824.2
Cyp27a1	<i>CGGGCAGAGAGTGAATCAGG</i>	<i>AGATCTGATGAAGGCGGCAG</i>	NM_024264.4
NPC1-L1	<i>GTGGAGTTCGTGTCCACAT</i>	<i>TGAGCAAAGCCCAGGATGAG</i>	NM_207242.2
ACAT-2	<i>TTACCTCAGTCGCAGACAGG</i>	<i>TGAGCCCGCATTCATCTTGT</i>	NM_009338.3
β -ACTIN	<i>ACTCTTCCAGCCTTCTTTC</i>	<i>ATCTCCTTCTGCATCCTGTC</i>	

Table S1. Sequences of primers for real-time PCR. FABP4/ap2, adipocyte fatty acid binding protein 4; LPL, lipoprotein lipase; FAT/CD36, fatty acid translocase/ CD36 antigen; FSP27, fat specific protein 27; AdipoQ, adiponectin; ACC, acetyl-coenzyme A carboxylase; FASN, fatty acid synthase; SCD1, steroyl-coenzyme A desaturase 1; DGAT-2, diacylglycerol O-acyltransferase 2; FATP-1, long-chain fatty acid transport protein 1; CPT-1a, carnitine-palmitoyl transferase 1a; ACOX-1, acyl-Coenzyme A oxidase 1; mCAD, middle-chain acyl-CoA dehydrogenase; ApoB, apolipoprotein B; ApoC2, apolipoprotein C-II; ApoC3, apolipoprotein C-III; MTTP, microsomal triglyceride transfer protein; HL, hepatic lipase; ATGL, adipose triglyceride lipase; HSL, hormone sensitive lipase; SREBP-1, sterol regulatory element binding transcription factor 1; SREBP-2, sterol regulatory element binding transcription factor 2; PPAR γ , peroxisome proliferator activated receptor gamma; PPAR α , peroxisome proliferator activated receptor alpha; PPAR β/δ , peroxisome

proliferator activated receptor delta; LXR α , liver X receptor alpha; LXR β , liver X receptor beta; FXR, farnesoid X receptor; HMGCR, 3-hydroxy-3-methylglutaryl-Coenzyme A reductase; ApoA1, apolipoprotein A-I; ApoE, apolipoprotein E; SR-BI, scavenger receptor class B, member 1; LDLR, low density lipoprotein receptor; ABCA1, ATP-binding cassette, sub-family A , member 1; ABCG5, ATP-binding cassette, sub-family G, member 5; ABCG8, ATP-binding cassette, sub-family G , member 8; ABCB11, ATP-binding cassette, sub-family B (MDR/TAP), member 11; ABCB4, ATP-binding cassette, sub-family B (MDR/TAP), member 4; Cyp7a1, cytochrome P450, family 7, subfamily a, polypeptide 1; Cyp27a1, cytochrome P450, family 27, subfamily a, polypeptide 1; NPC1-L1, Niemann–Pick C1 Like 1; ACAT-2, acetyl-Coenzyme A acetyltransferase 2.

