

Supplemental Table 1

Antibodies		
Anti-Akt	Cell Signaling Technology	Cat#9273, RRID:AB_329827
Anti-pAkt	Cell Signaling Technology	Cat# 9270, RRID:AB_329824
Fluorochrome-conjugated AB specific for Live/Dead	Life Technology	Cat#NC0945383
Anti-F4/80 (BM8)	ebioscience	Cat#25-4801-82
Anti-CD68 (FA-11)	BioLegend	Cat#137017
Anti-CD11b(M1-70)	BioLegend	Cat#101257
Anti-CD4 (GK1.5)	BD Bioscience	Cat#563050
Anti-CD8 (53.6.7)	BD Bioscience	Cat#563046
Anti-TNF α (MP6-XT22)	BD Bioscience	Cat#560659
Anti-pIRS-1 (Y612)	Life technology	Cat#44814G
Anti-IRS-1	Cell Signaling Technology	Cat#2382
Anti-pGSK-3 β	Cell Signaling Technology	Cat#9323
Anti-GSK-3 β	Cell Signaling Technology	Cat#9315
Anti-pp70S6K	Cell Signaling Technology	Cat#9205
Anti-p70S6K	Cell Signaling Technology	Cat#9202
Anti-GAPDH	Cell Signaling Technology	Cat#2118
Anti-rabbit antibody	Jackson ImmunoResearch	Cat#111-035-003 RRID:AB_2313567
Critical Commercial Assays		
FGF21 Elisa Kit	R&D Systems	Cat#DY3057
Omniscript cDNA synthesis kit	QIAGEN	Cat#205113
DNase	Ambion	Cat#AM1907
RNA isolation kit	QIAGEN	Cat#74106
RNase inhibitor	Life Technology	Cat#10777019
SYBR PCR Mix	Bio-Rad	Cat#170-8891
Triglyceride Kit	Pointe sci	Cat#T7532-120
Cholesterol Kit	Thermo sci	Cat#TR13421
AST Kit	Sigma	Cat#MAK055-1KT
T3, TSH multiplex Kit	Millipore	Cat#MPTMAG-49K
NEFA Kit	Wako Pure chemical industries	Cat#991-34891 Cat#995-34791
Insulin Elisa Kit	Chrystal Chem	Cat#90080
Glucose test strips	Abbott	Cat#10020-16
Thyroid hormone multiplex Elisa kit	Millipore	Cat# RTHYMAG-30K
Deposited Data		

Raw and Analyzed Data	GEO	GEO:GSE108192
Experimental Models: Organisms/Strains		
Mouse: C57BL/6J male	The Jackson Laboratory	#000664
Oligonucleotides		
Mouse Primers	IDT	Supplemental Table 2
Software and Algorithms		
Graph Pad Prism 7	GraphPad Software	Ggraphpad.com
Ingenuity	QIAGEN	RRID:SCR_008653
Enrichr		http://amp.pharm.mssm.edu/Enrichr/

Supplemental Table 2

Genes		
<i>Hsl</i>	F,	CATCAACCACTGTGAGGGTAA
	R,	AAGGGAGGTGAGATGGTAACT
<i>Pparα</i>	F,	CGAAGACAAAGAGGCAGAGG
	R,	TGATGTCACAGAACGGCTTC
<i>Adipoq</i>	F,	ATGGCAGAGATGGCACTCCT
	R,	CCTTCAGCTCCTGTCATTCCA
<i>Pparg2</i>	F,	AACTCTGGGAGATTCTCCTGTTGA
	R,	GAAGTGCTCATAGGCAGTGCAT
<i>Srebp1c</i>	F,	GGAGCCATGGATTGCACATT
	R,	GGCCCGGGAAGTCACTGT
<i>Fas</i>	F,	GCTTTGCTGCCGTGTCCTTCT
	R,	TCTAGCCCTCCCGTACACTCA
<i>Pgc1α</i>	F,	ATGTGTCGCCTTCTTGCTCT
	R,	ATCTACTGCCTGGGGACCTT
<i>Scd1</i>	F,	CCTACGACAAGAACATTCAATC
	R,	TTCTCTTAATCCTGGCTAAGAC
<i>Fgf21</i>	F,	CTACACAGATGACGACCAAGAC
	R,	CTTTGAGCTCCAGGAGACTTTC
<i>Ucp1</i>	F,	AGGCTTCCAGTACCATTAGGT
	R,	CTGAGTGAGGCAAAGCTGATTT
<i>Cytb</i>	F,	TCATACCTCAAAGCAACGAAGC
	R,	GGCCCCCAATTCAGGTTAAG
<i>Cpt1α</i>	F,	CTCCGCCTGAGCCATGAAG
	R,	CACCAGTGATGATGCCATTCT
<i>Cpt1β</i>	F,	CTCCTGGAAGAAACGCCTTAT
	R,	GATGTCCACCTTGCAGTAGTT
<i>Cidea</i>	F,	GGACACAGAGGAGTTCTTTCAG
	R,	TTGCAGACTGGGACATACTTAC
<i>Elov3</i>	F,	TACATCTGGAGGCAGGAGAA
	R,	GGTGGAAGAAGTGAGCGAATAG
<i>Prdm16</i>	F,	CACAAGTCCTACACGCAGTT
	R,	TTGTTGAGGGAGGAGGTAGT
<i>F4/80</i>	F	TGCCACAACACTCTCGGAAGCTAT
	R,	TCCTGGAGCACTCATCCACATCTT
<i>Il-1β</i>	F,	CTCGCAGCAGCACATCAAC

	R,	ACGGGAAAGACACAGGTAGC
<i>Il-6</i>	F,	CTTCCATCCAGTTGCCTTC
	R,	ATTTCCACGATTTCCCAGAG
<i>Tnfα</i>	F,	CCAACGGCATGGATCTCAAAGACA
	R,	AGATAGCAAATCGGCTGACGGTGT
<i>Mcp1</i>	F,	CCACTCACCTGCTGCTACTCAT
	R,	TGGTGATCCTCTTGTAGCTCTCC
<i>Cd68</i>	F,	CCC ACC TGT CTC TCT CAT TTC
	R,	GTA TTC CAC CGC CAT GTA GT
<i>Cd45</i>	F,	GAACATGCTGCCAATGGTTCT
	R,	TGTCCCACATGACTCCTTTCC
<i>Cyclophilin</i>	F,	CAGACGCCACTGTCGCTTT
	R,	TGTCTTTGGAACTTTGTCTG
