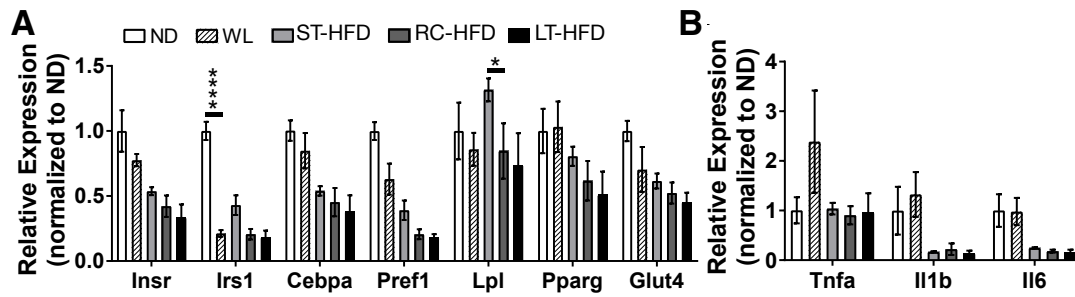
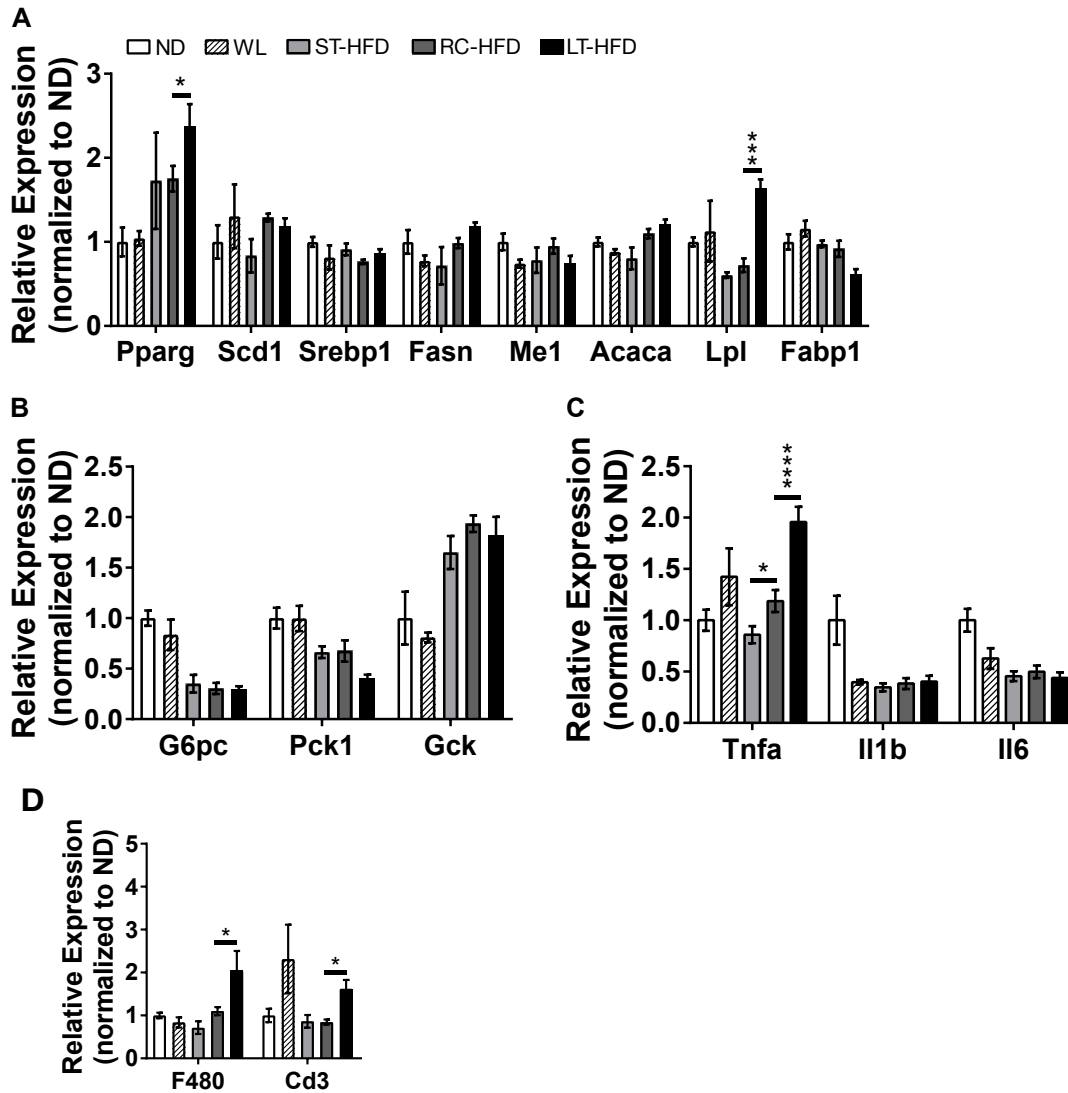


Figure S1

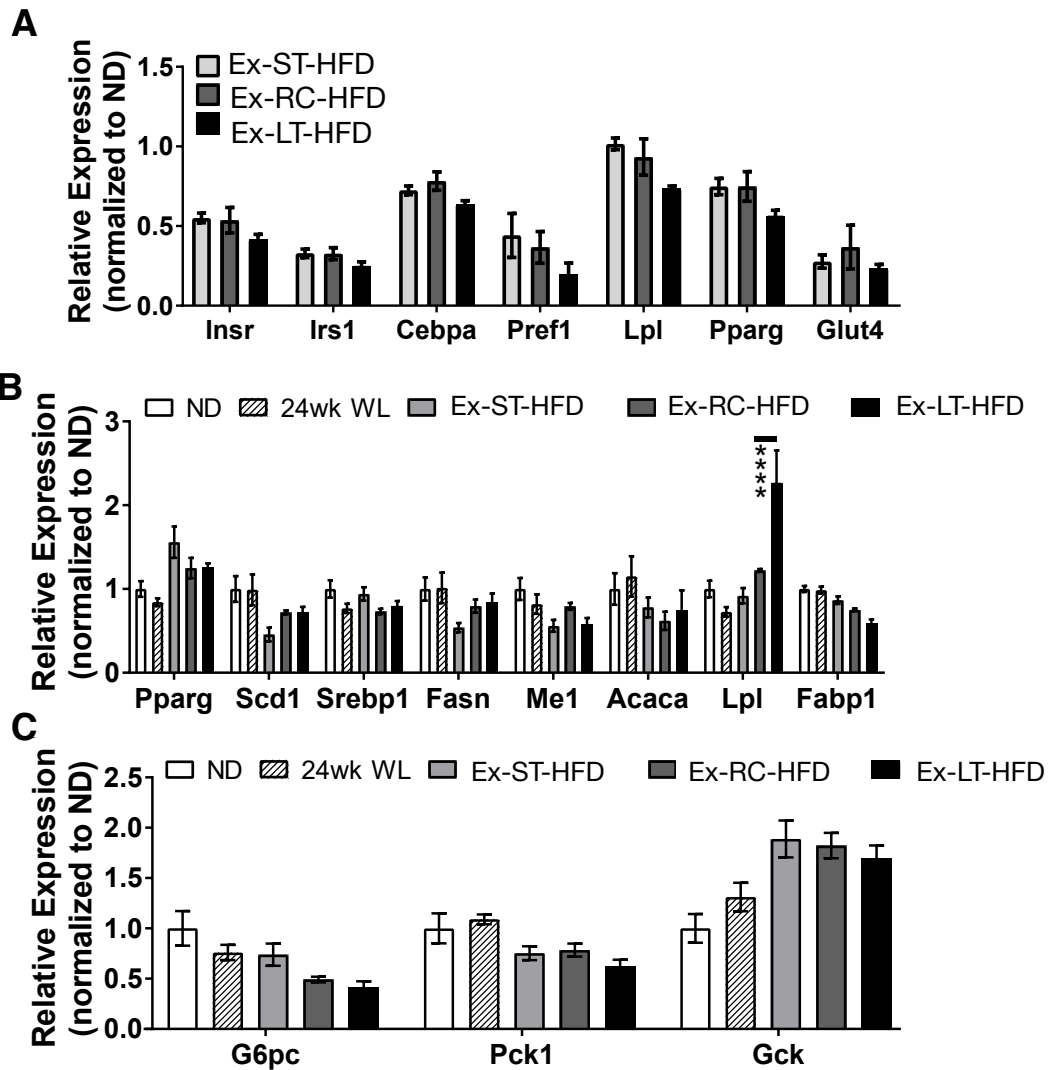


Inguinal adipose tissue gene expression. (A) Adipogenic genes. (B) Inflammatory genes. * $p < 0.05$, ** $p < 0.01$, **** $p < 0.0001$, significance was only compared for ST HFD versus RC HFD, LT HFD versus RC HFD or ND versus WL.

Figure S2



Liver lipid metabolism and lipogenesis gene expression is not significantly different between ST HFD and RC HFD mice groups. Gene expression for select liver (A) lipid metabolism, (B) glucose metabolism, (C) inflammatory cytokine genes, and (D) leukocyte genes. * $p < 0.05$, *** $p < 0.001$, **** $p < 0.0001$, significance was only compared for ST HFD versus RC HFD, LT HFD versus RC HFD or ND versus WL.

Figure S3

Adipose tissue and liver gene expression after rechallenge after prolonged period off diet. (A)

Expression of select adipocyte maturation genes from whole eWAT. Gene expression for select

liver (B) lipid metabolism and (C) glucose metabolism genes. * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$,

**** $p < 0.0001$, significance was only compared for Ex-ST-HFD versus Ex-RC-HFD, Ex-LT-HFD

versus Ex-RC-HFD, or ND versus WL.

Table S1 - Primers for qRT-PCR analysis

Gene	Forward Primer	Reverse Primer
Insr	TTTGTCATGGATGGAGGCTA	CCTCATCTTGGGGTTGAACT
Irs1	CGATGGCTTCTCAGACGTG	CAGCCCGCTTGTTGATGTTG
Cebpa	CAAGAACAGCAACGAGTACCG	GTCACTGGTCAACTCCAGCAC
Pref1 (Dlk1)	TTCGGGCTTGACCTCAA	GGAGCATTCTGACTGGCCTTT
Lpl	TGTGTCTTCAGGGGTCCTTAG	GGGAGTTTGGCTCCAGAGTTT
Pparg	GGAAGACCACTCGCATTCTT	TCGCACTTTGGTATTCTTGGAG
Akt1	ATGAACGACGTAGCCATTGTG	TTGTAGCCAATAAAGGTGCCAT
Glut4	GTGACTGGAACACTGGTCCTA	CCAGCCACGTTGCATTGTAG
Tnfa	ACGGCATGGATCTCAAAGAC	AGATAGCAAATCGGCTGACG
Il1b	AAATACCTGTGGCCTTGGGC	CTTGGGATCCACACTCTCCAG
Il6	AGTGAGGAACAAGCCAGAGC	CATTTGTGGTTGGGTCAGG
Scd1	GCTGGAGTACGTCTGGAGGAA	TCCCGAAGAGGCAGGTGTAG
Srebp1	GATGTGCGAACTGGACACAG	CATAGGGGGCGTCAAACAG
Fasn	GGAGGTGGTGATAGCCGGTAT	TGGGTAATCCATAGAGCCCAG
Me1	GTCGTGCATCTCTCACAGAAG	TGAGGGCAGTTGGTTTTATCTTT
Acaca	TAATGGGCTGCTTCTGTGACTC	CTCAATATCGCCATCAGTCTTG
Fabp1	ATGAACTTCTCCGGCAAGTACC	CTGACACCCCCTTGATGTCC
G6pc	CGACTCGCTATCTCCAAGTGA	GTTGAACCAGTCTCCGACCA
Pck1	CTGCATAACGGTCTGGACTTC	CAGCAACTGCCCGTACTCC
Gck	ATGGCTGTGGATACTACAAGGA	TTCAGGCCACGGTCCATCT
Fabp4	AAGGTGAAGAGCATCATAACCCT	TCACGCCTTTCATAACACATTCC