

Supplemental Table 4. Key resources

REAGENT or RESOURCE	SOURCE	IDENTIFIER
Antibodies		
IRF4 Rabbit Polyclonal Antibody	Proteintech	RRID: AB_2264940
Total OXPHOS Rodent WB Antibody Cocktail	Abcam	RRID: AB_2629281
Phospho-mTOR (Ser2448) Antibody	Cell Signaling Technology	RRID: AB_330970
Phospho-p70 S6 Kinase (Thr389) (108D2) Rabbit mAb	Cell Signaling Technology	RRID: AB_2269803
mTOR Antibody	Cell Signaling Technology	RRID: AB_330978
p70 S6 Kinase (49D7) rabbit mAb	Cell Signaling Technology	RRID: AB_390722
BCATm Polyclonal Antibody	Thermo Fisher Scientific	RRID:AB_11157217
β -Actin Antibody	Cell Signaling Technology	RRID: AB_330288
GAPDH Antibody	Proteintech	RRID:AB_2107436
PGC1 α Antibody	Millipore	RRID:AB_2043459
Phospho-BCKDHA Antibody	Thermo Fisher Scientific	RRID:AB_2620867
BCKDHA Antibody	Abcam	Cat# ab138460
Tom20 (FL-145) Antibody	Santa Cruz Biotechnology	RRID: AB_2207533
Goat anti-rabbit IgG-HRP	Santa Cruz Biotechnology	RRID: AB_631747
Goat anti-mouse IgG-HRP	Santa Cruz Biotechnology	RRID: AB_650499
Chemicals, Peptides, and Recombinant Proteins		
SYBR Green PCR Master Mix	Life Technologies	Cat# 4312704
Critical Commercial Assays		
Branched Chain Amino Acid Kit	Sigma-Aldrich	MAK003
Glycogen Assay kit II	Abcam	Ab169558
Lipofectamine LTX with Plus Reagent	Thermo Fisher Scientific	15338100
Experimental Models: Cell Lines		
Mouse: C2C12	ATCC	ATCC CRL-1772
Human: HEK 293T	ATCC	ATCC CRL-11268
Experimental Models: Organisms/Strains		
Mouse: C57BL/6J	Jackson Laboratory	RRID:IMSR_JAX:000664
Mouse: B6.129S1-Irf4 ^{tm1Rdf} /J	Jackson Laboratory	RRID:IMSR_JAX:009380
Mouse: Myl1 ^{tm1(cre)Sjb} /J	Jackson Laboratory	RRID:IMSR_JAX:024713
Mouse: Rosa26-LSL-IRF4	PMID:24995979	N/A
Mouse: B6.BKS(D)-Lepr ^{db} /J	Jackson Laboratory	RRID:IMSR_JAX:000697
Oligonucleotides		
A full list of Primers is in Table S3	This paper	N/A
Software and Algorithms		
GraphPad Prism 7	GraphPad Software	https://www.graphpad.com/scientificsoftware/prism/
ImageJ Java 1.6.0_2.4	NIH	https://imagej.nih.gov/ij/

CalRVersion 1.2
AdipoCount

PMID: 30017358
CSBio

<https://calrapp.org/>
<http://www.csbio.sjtu.edu.cn/bioinf/AdipoCount/>
