

S1 Table: Materials Table

REAGENT or RESOURCE	SOURCE	IDENTIFIER
Antibodies		
phosphorylated IKB α	Cell Signaling	Cat#9246S; RRID:
IKB α	Cell Signaling	Cat#9242S; RRID:
Traf6	Abcam	Cat#ab33915; RRID: AB_778572
beta actin	Abcam	Cat#ab8226; RRID:AB_306371
GAPDH	Santa Cruz	Cat#sc-25778 RRID:AB_1016766 8
PerCP/Cy5.5 anti-mouse CD45 Antibody	BioLegend	Cat#103131 RRID:AB_893344
APC CD11b	BioLegend	Cat#101212 RRID:AB_312795
PE anti-mouse F4/80 [BM8] Antibody	BioLegend	Cat#123110 RRID:AB_893486
Chemicals, Peptides, and Recombinant Proteins		
Glucose	Sigma	G8270
Recombinant Mouse M-CSF (carrier-free)	Biolegend	Cat#576404
GoTaq Master Mix	Promega	Cat#A6002
Lipopolysaccharides from Escherichia coli 026:B6	Sigma Chemical	Cat#L5543-2ML
Rapamycin	LC Laboratories	Cat#R-5000
CD40-Traf6 Signaling Inhibitor	Millipore Sigma	Cat#5.30352.0001
Captisol	Ligand	Cat#RC-0C7-100
PEG400	Sigma-Aldrich	Cat#202398-250G
Critical Commercial Assays		

Seahorse XF-96 Mito Stress Test	Agilent	https://www.agilent.com/en/products/cell-analysis/seahorse-analyzers/seahorse-xfe96-analyzer
Ultra Sensitive Mouse Insulin ELISA	Crystal Chem	Cat#90080
miRNeasy Mini Kit	Qiagen	Cat#217004
qScript Flex cDNA Synthesis Kit	Quanta Biosciences, VWR	Cat#101414-110
MAGPIX mouse metabolic hormone panel	Merck Millipore	Cat#MMHMAG-44K
Deposited Data		
RNA-Sequencing Data in ATMs	NCBI GEO Repository	Refer to materials and methods in paper
Experimental Models: Cell Lines		
RAW 264.7 Cell line	ATCC	
Experimental Models: Organisms/Strains		
<i>M. musculus</i> : Strain C57BL/6 miR-146a-/-	This Paper	N/A
<i>M. musculus</i> : Strain C57BL/6 WT	This Paper	N/A
<i>M. musculus</i> : Strain C57BL/6 miR-146a-/-	The Jackson Laboratory	Stock no.: 016239
<i>M. musculus</i> : Strain C57BL/6 WT	The Jackson Laboratory	Stock no.: 000664
Oligonucleotides		
Traf6 Crispr guide #1: GGAGATCCAGGGCTACGATG	This paper	N/A
Traf6 Crispr guide #2: GATGGAAGTGGACATCTCG	This paper	N/A
hsa-miR-146a-5p LNA miRNA PCR Assay (Primer set, UniRT)	Qiagen	Cat#339306
<i>Cxcl10</i> F: GAAATCATCCCTGCGAGCCTATCC R: GCAATTAGGACTAGCCATCCACTGGG	IDT	N/A
<i>Tnfa</i> F: CCCTCACACTCAGATCATCTTCT R: GCTACGACGTGGGCTACAG	IDT	N/A
MHCII (<i>H2-Ab1</i> exon 1/2) F: CTGCCATTACCTGTGCCTTAG R: GTAGCACTCGCCCATGAACT	IDT	N/A
F4/80 (<i>Adgre1</i>) F: TGGGAAAGACTGGATTCTGGG R: GGAGCCATTCAAGACAAAGCC	IDT	N/A

CD11b (<i>Itgam</i>) F: CCTTCATCAACAACAACCAGAGTGG R: CGAGGTGCTCCTAAAACCAAGC	IDT	N/A
<i>Cd36</i> F: TCCTCTGACATTTGCAGGTCTATC R: AAAGGCATTGGCTGGAAGAA	IDT	N/A
<i>Fabp4</i> F: AAGAAGTGGGAGTGGGGCTTTG R: CTGTCGTCTGCGGTGATTC	IDT	N/A
<i>Il12p40</i> F: AGATGACATCACCTGGACCT R: GCCATGAGCACGTGAACCGT	IDT	N/A
<i>Ccl2</i> F: TAAAAACCTGGATCGGAACCAAA R: GCATTAGCTTCAGATTTACGGGT	IDT	N/A
<i>Traf6</i> F: AAGCCTGCATCATCAAATCC R: CTGGCACTTCTGGAAAGGAC	IDT	N/A
<i>Nos2</i> F: CAGCTGGGCTGTACAAACCTT R: CATTGGAAGTGAAGCGGTTCCG	IDT	N/A
<i>IL-6</i> F: TAGTCCTTCTACCCCAATTTCC R: TTGGTCCTTAGCCACTCCTTC	IDT	N/A
<i>CD45 (PTPRC)</i> F: GGGTCCACCTACATAAATGCCAG R: GTTCTGTTCCTTCTTCACATCG	IDT	N/A
<i>Leptin</i> F: GAGACCCCTGTGTCGGTTC R: CTGCGTGTGTGAAATGTCATTG	IDT	N/A
<i>Ucp1</i> F: CGTACCAAGCTGTGCGATGT R: GAGTCGCAGAAAAGAAGCCAC	IDT	N/A
<i>Dio2</i> F: CTGCGCTGTGTCTGGAAC R: GGAGCATCTTCACCCAGTTT	IDT	N/A
<i>Elov13</i> F: TCCGCGTTCTCATGTAGGTCT R: GGACCTGATGCAACCCTATGA	IDT	N/A
<i>Cidea</i> F: ATCACAACCTGGCCTGGTTACG R: TACTACCCGGTGTCCATTTCT	IDT	N/A

<i>Pgc1a</i> F: CCCTGCCATTGTTAAGACC R: TGCTGCTGTTCCCTGTTTTC	IDT	N/A
<i>Prdm16</i> F: CAGCACGGTGAAGCCATTC R: GCGTGCATCCGCTTGTG	IDT	N/A
<i>Acc1</i> F: TGTACAAGCAGTGTGGGCTGGCT R: CCACATGGCCTGGCTTGGAGGG	IDT	N/A
<i>Chrebp</i> F: GGCCTGGCTGGAACAGTA R: CGAAGGGAATTCAGGACAGT	IDT	N/A
<i>Srebp1c</i> F: GGCCCGGGAAGTCACTGT R: GGAGCCATGGATTGCACATT	IDT	N/A
Software and Algorithms		
Prism 7	GraphPad Software	https://www.graphpad.com/company/
Illumina HiSeq 50 cycle single-read sequencing version 4	University of Utah High Throughput Genomics Core Facility	N/A
Other		
10% kcal control mouse feed	Research Diets	D12450Bi
45% kcal diet, irradiated	Research Diets	D12451i