

1 **SUPPLEMENTAL DATA**

2 **Supplementary Table 1. qPCR primer sequences.** MGAT (monoacylglycerol acyltransferase-2), ER
 3 GPAT (endoplasmic reticulum glycerol-3-phosphate-3), MT GPAT (mitochondrial GPAT-1), DGAT
 4 (diacylglycerol acyltransferase), MGL (monoacylglycerol lipase), PPAR α (peroxisome proliferator
 5 activated receptor- α), CB1 (cannabinoid receptor-1), ACADL (long chain acyl-CoA dehydrogenase),
 6 ACOX1 (acyl-CoA oxidase-1), CCOX (cytochrome C oxidase), CD36 (cluster of Differentiation 36),
 7 SRB1 (scavenger receptor class B type 1), NPC1L1 (Niemann-Pick C1 like protein 1), NADH De
 8 (nicotine adenine dinucleotide dehydrogenase), SUCCDE (succinate dehydrogenase).
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qPCR primer sequences

β -ACTIN	forward	5'-GGC TGT ATT CCC CTC CAT CG-3'
	reverse	5'-CCA GTT GGT AAC AAT GCC ATG T-3'
MGAT2	forward	5'-TGG GAG CGC AGG TTA CAG A-3'
	reverse	5'-CAG GTG GCA TAC AGG ACA GA-3'
ER GPAT (GPAT3)	forward	5'-TAT CCA AAG AGA TGA GTC ACC CA-3'
	reverse	5'-CAC AAT GGC TTC CAA CCC CTT-3'
MT GPAT (GPAT1)	forward	5'- CTG CTT GCC TAC CTG AAG ACC-3'
	reverse	5'- GAT ACG GCG GTA TAG GTG CTT-3'
DGAT1	forward	5'-TGT TCA CGT CAG ACA GTG GTT-3'
	reverse	5'-CCA CCA GGA TGC CAT ACT TGA T-3'
DGAT2	forward	5'-TTC CTG GCA TAA GGC CCT ATT-3'
	reverse	5'-AGT CTA TGG TGT CTC GGT TGA C-3'
MGL	forward	5'-CAG AGA GGC CCA CCT ACT TTT-3'
	reverse	5'-ATG CGC CCC AAG GTC ATA TTT-3'
PPAR α	forward	5'-TCG GCG AAC TAT TCG GCT G-3'
	reverse	5'-GCA CTT GTG AAA ACG GCA GT-3'
CB1	forward	5'-GGG CAC CTT CAC GGT TCT G-3'
	reverse	5'-GTG GAA GTC AAC AAA GCT GTA GA-3'
ACADL	forward	5'-TCC AGA GGT CAG TCA ACA TGA-3'
	reverse	5'-CCT GGT CAA TTT TTC GAG AGT CC-3'
ACOX1	forward	5'-GCA CCC CGA CAT AGA GAG C-3'
	reverse	5'-TAA ACT CCG GGT AAC TGT GGA-3'
CCOX	forward	5'-TCA ACG TGT TCC TCA AGT CGC-3'
	reverse	5'-AGG GTA TGG TTA CCG TCT CCC-3'
CD36	forward	5'- TCC CCC TAC TAG AAG AAG TGG G-3'
	reverse	5'- TCC AAC AGA TTG GTT TCG TTC A-3'
SRB1	forward	5'- TGA CAT CAG GGA CTC AGA GTA G-3'
	reverse	5'- TTT GGA GTG GTA GTA AAA AGG GC-3'
NPC1L1	forward	5'- GCT TCT TCC GCA AGA TAT ACA CTC CC-3'
	reverse	5'- GAG GAT GCA GCA ATA GCC ACA TAA GAC-3'
NADH De	forward	5'-GGT ACT TTG CTT GCT TGA TGA GA-3'
	reverse	5'-TGG GAA GAT ATA CGG CTG AGG-3'
SUCCDE	forward	5'-AAT TTG CCA TTT ACC GAT GGG A-3'
	reverse	5'-CTC CTG GGA CTC ATC CTT CTT-3'

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13 **Supplementary figure 1. Expression of lipid synthetic genes in the small intestinal mucosa of WT,**
14 **IFABP^{-/-}, and LFABP^{-/-} mice. Data are means ± SEM, n=3-4 per group.**

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