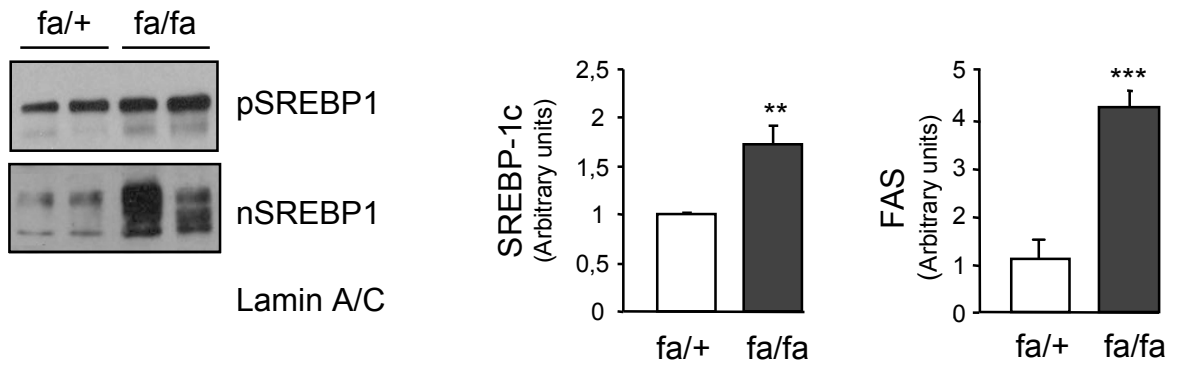
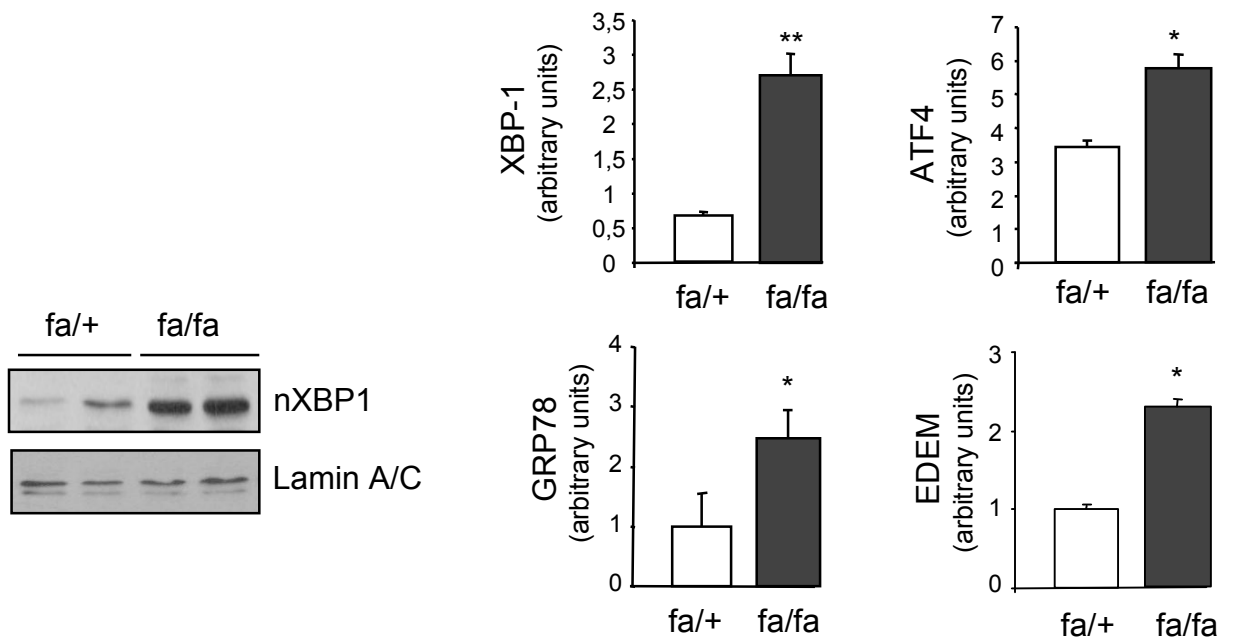


Supplemental Figure 1: Expression of SREBP-1c proteins, SREBP-1c target genes and ER stress markers in fa/+ and fa/fa rats. Livers from 12 week-old fa/+ and fa/fa rats were used to prepare nuclear extracts, microsomes and total RNA. A) Immunoblot analysis of SREBP-1c precursor (pSREBP-1c), nuclear SREBP-1c (nSREBP-1c) and lamin A/C from fa/+ and fa/fa mice (left panel). Quantification by RTQ-PCR of SREBP-1c and FAS mRNA in the livers of fa/+ and fa/fa mice (right panel). (B) Immunoblot analysis of XBP-1 in nuclear extracts from lean and obese rats (left panel). Quantification of XBP-1, GRP78, ATF4, and EDEM mRNA levels by RTQ-PCR. Results are the mean \pm SE, n = 4-5 animals per group. *, ** show statistical difference at $p < 0.05$ or $p < 0.01$ when compared to lean animals (fa/+).

A**B****Supplemental Figure 1**

Supplemental Table 1: List of primers used

	Mouse	Rat
SREBP1c	5'-ggagccatggattgcacatt-3' 5'-ggccccggaagtcactgt-3'	5'-ggagccatggattgcacatt-3' 5'-ggccccggaagtcactgt-3'
SREBP2	5'-cccttgactccttgctgca-3' 5'-gcgtgagtggtggcgcaatc-3'	5'-cccttgactccttgctgca-3' 5'-gcgtgagtggtggcgcaatc-3'
Insig2	5'-cctaagccgtaaaacaaaatgtgg-3' 5'-tgtgagctggactagcttctt-3'	5'-tgg act att gta ccc ctg cat-3' 5'-gcg tga ttt ata ccc acg aac-3'
Insig1	5'-tgcagatccagcggaatgt-3' 5'-ccaggcggaggagaagatg-3'	5'-tgcagatccagcggaatgt-3' 5'-ccaggcggaggagaagatg-3'
ChREBP	5'-gtccgatatctccgacacactctt-3' 5'-cattgccaacataagcgtcttctg-3'	5'-gtccgatatctccgacacactctt-3' 5'-cattgccaacataagcgtcttctg-3'
FAS	5'-tgctcccagctgcaggc-3' 5'-gccccgtagctctgggtgta-3'	5'-gtgatagccggtatgtccgg-3' 5'-ggcgtcgaacttgacagat-3'
SCD1	5'-acctgcctcttcgggatttt-3' 5'-gtcggcgtgtgttctgaga-3'	5'-gatccccctccaaggtct-3' 5'-ccccgggccattcatatac-3'
Malic Enzyme	5'-gggcatcccctgtgggtaaa-3' 5'-gaaggcgtcactcagggc-3'	
GK	5'-cgactctggggaccgaaggcagatc-3' 5'-ctcgggtgcagctgtacacggagc-3'	5'-ggaggcagggcagtgga-3' 5'-cacaggaaggagaaggtgaag-3'
PEPCK	5'-cccctgtctatgaagccctca-3' 5'-gccctgtgttctgcagcag-3'	
G6Pase	5'-tcggagactggtcaacctc-3' 5'-acaggtgacaggaactgct-3'	
HMGCoARed	5'-gattctggcagtcagtgaggaa-3' 5'-gtttagccgcctatgctcc-3'	5'-gatgcagcacagaatgtggg-3' 5'-tgcattttctccaggattgtc-3'
HMGCoASynth	5'-gccgtgaactgggtcgaa-3' 5'-gcatatatagcaatgtctcctgcaa-3'	
LDL-R	5'-gaggaactggcggctgaa-3' 5'-gtgctggatggggaggct-3'	
Squalene Synthase	5'-cataaccaacacctacagcaca-3' 5'-tgcttggcccctccgaa-3'	
Farnesyl diP	5'-atggagatggcgagttctc-3' 5'-ccgaccttcccgtcaca-3'	
IRS2	5'-taccctgtctctccgcc-3' 5'-gcg ggt gct agg ctt gg-3'	
IRS1	5'-ggc tgg caa tac ggt-3' 5'-gcc aaa tcc agg tct atg ta-3'	
TRB3	5'-ctc tga ggc tcc agg aca ag-3' 5'-ggc tca ggc tca tct ctc ac-3'	5'-gcaggaagaaaccggttg-3' 5'-aagtctgaggcgggaggt-3'
GRP78	5'-gaa agg atg gtt aat gat gct gag-3' 5'-gtc ttc aat gtc cgc atc ctg-3'	5'-agtaagttcactgtggtggc-3' 5'-gcgcttggcgtcgaagac-3'
ATF4	5'-acacagccctccacctcc-3' 5'-cacgggaaccacctggag-3'	5'-acacagccctccacctcc-3' 5'-gctgctgtctgttttctcc-3'
EDEM	5'-ggatcccctatccctcgggt-3' 5'-gttctccgcaagttccag-3'	