

Supplementary Materials

The Stress-Responsive microRNA-34a Alters Insulin Signaling and Actions in Adipocytes through Induction of the Tyrosine Phosphatase PTP1B

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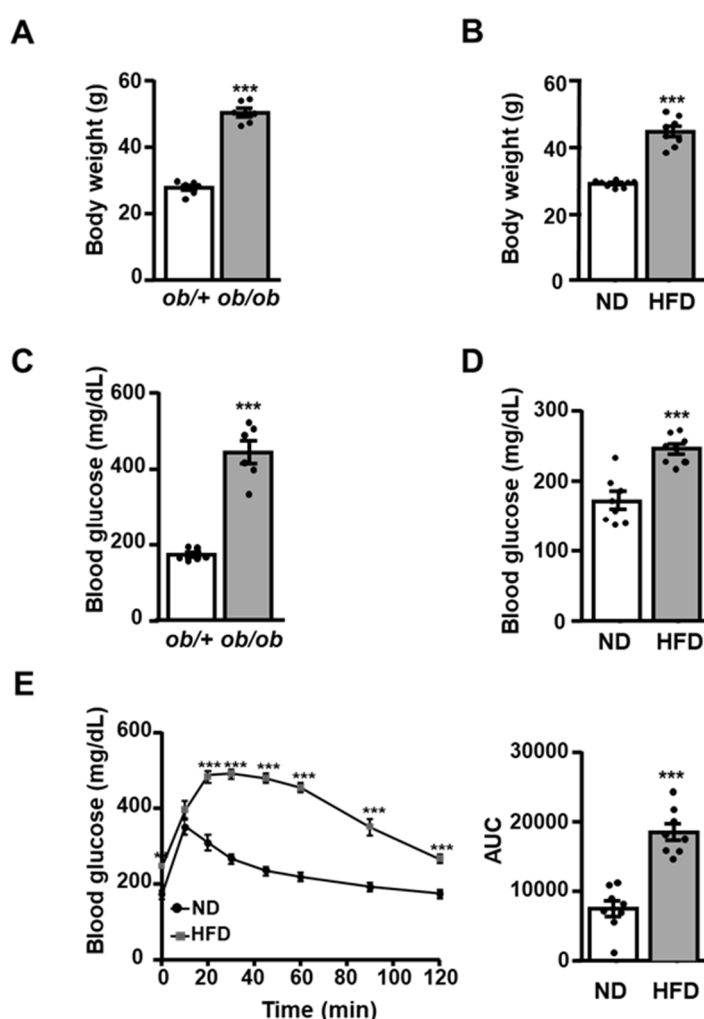


Figure S1. (A) Body weight of the genetically obese *ob/ob* mice and their lean *ob/+* littermates ($n = 6$). (B) Body weight of wild-type (WT) chow-fed mice (ND) and HFD-fed mice ($n = 8$). (C) Fed glycemia of the genetically obese *ob/ob* mice and their lean *ob/+* lit-

termates ($n = 6$). (D) Glycemia of WT chow-fed mice (ND) and HFD-fed mice ($n = 8$). (E) Intraperitoneal glucose tolerance test (IPGTT) of WT chow-fed and HFD-fed mice with area under the curve (AUC) quantitated in the bar graph ($n = 8$). Bar graphs are mean values \pm SEM. *** $p < 0.001$. Unpaired two-tailed Student t-test was used for the comparison of two conditions in the bar graphs. Two-way ANOVA followed by Bonferonni's posttest was used for the comparison of the IPGTT curve.

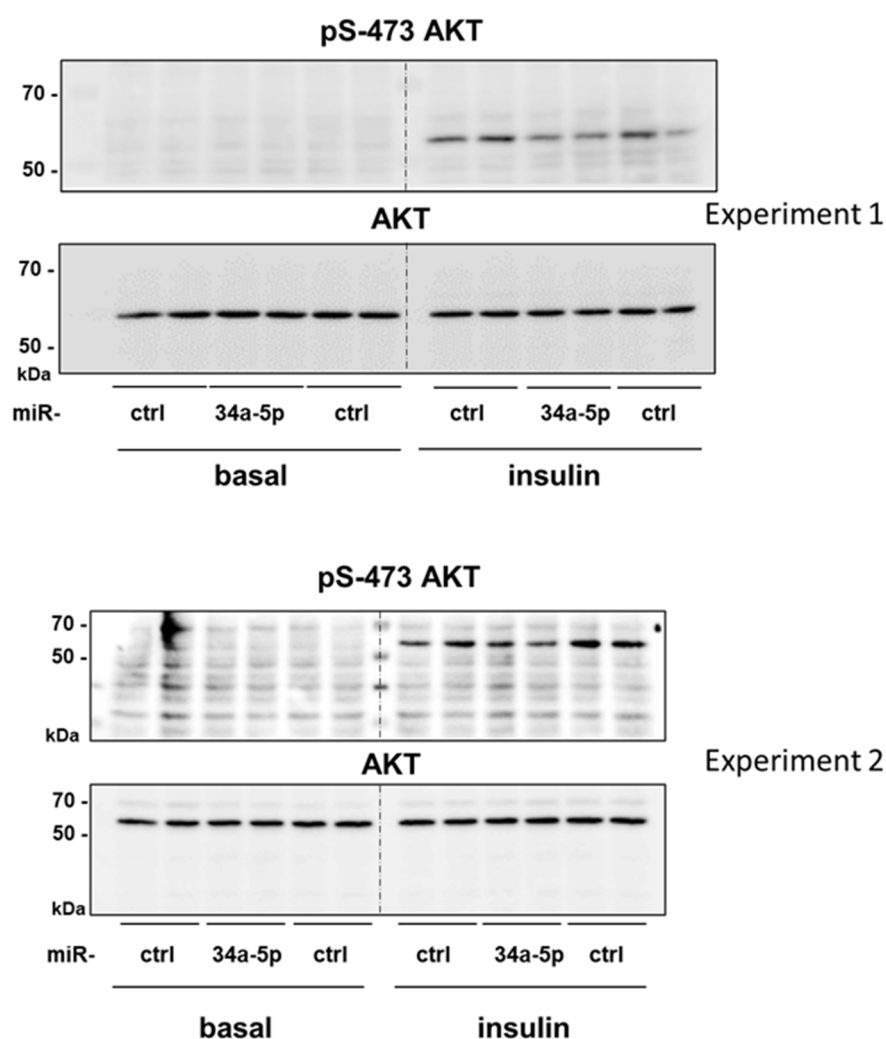


Figure S2. Immunoblot from two independent experiments of the level of phosphoSer473-AKT (pS-473 AKT) and total AKT in 3T3-L1 adipocytes transfected with a control miRNA (miR-Ctrl) or a miR-34a mimic (miR-34a-5p) and treated without or with insulin (0.5 nM) for 10 min.