

1 **Supplementary Data**

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3 Figure legends

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5 **Figure S1. Adipose tissue distribution and histology.** Chow-fed and long-term
6 HFD-fed *neil1^{+/+}* and *neil1^{-/-}* animals were euthanized by CO₂ inhalation, and visceral
7 (VAT) and sub-cutaneous (SAT) adipose tissues were excised and weighed (A). While
8 HFD-feeding increased both VAT and SAT accumulation as anticipated, there were no
9 differences in the pattern of fat deposition between *neil1^{+/+}* and *neil1^{-/-}* animals. VAT was
10 also fixed in formalin and subsequently paraffin-embedded, sectioned, and stained with
11 H&E (B). While HFD-feeding increased adipocyte size as expected, there were no
12 marked differences in adipose tissue morphology between *neil1^{+/+}* and *neil1^{-/-}* animals.
13 Tissue weights are represented as means \pm SEM of 5-7 animals, and histology data are
14 representative of 5-7 animals per group. #, p<0.05 vs. Chow.