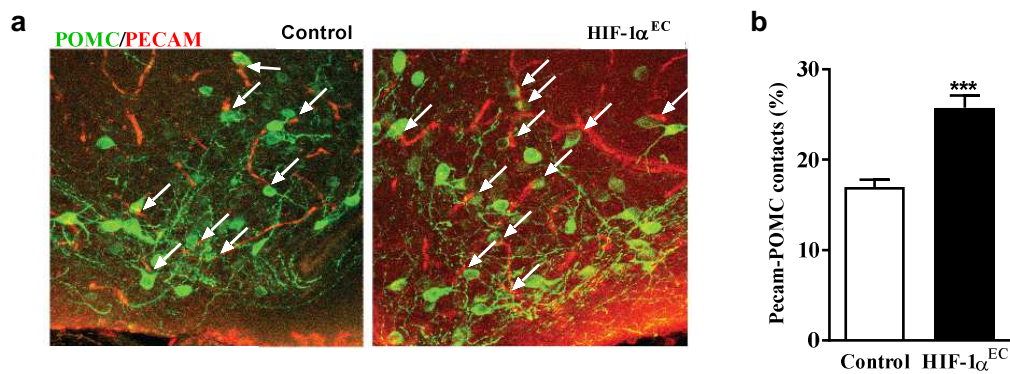


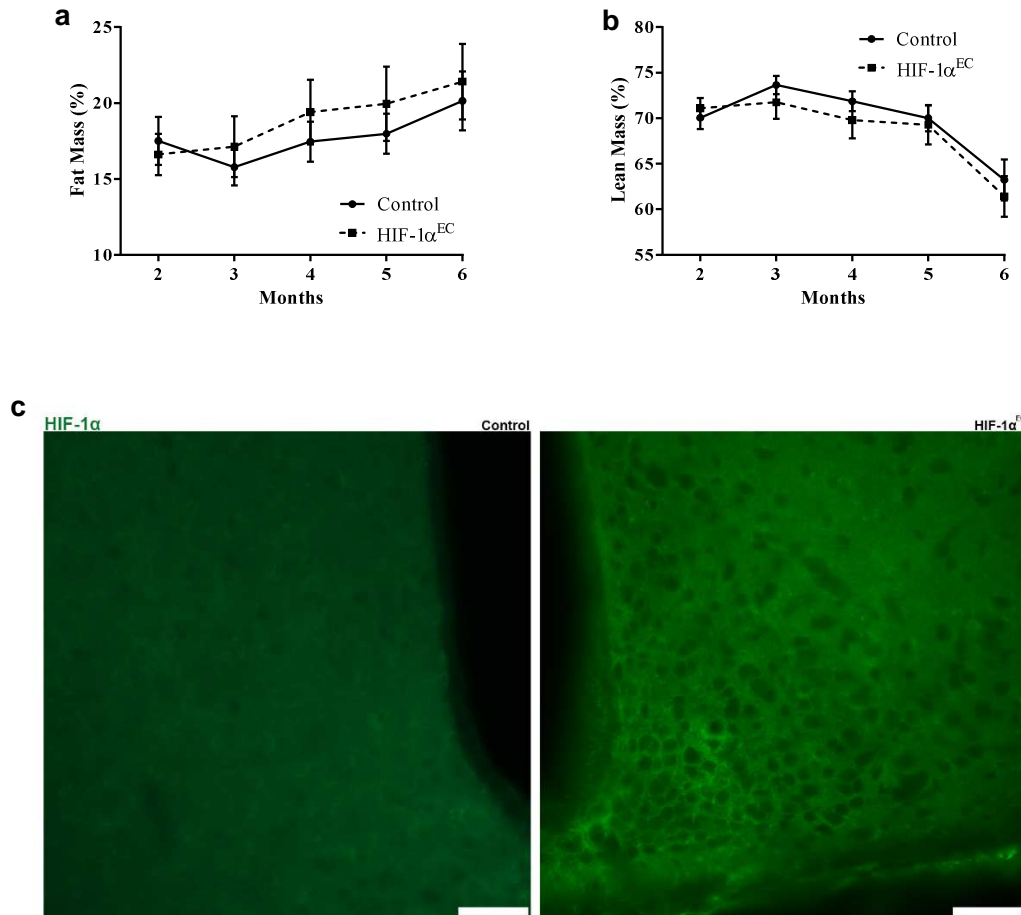
SUPPLEMENTARY DATA

Supplementary Figure 1. Altered morphology in the Arcuate of HIF-1 α ^{EC} mice. A) Representative images of vessels in close proximity to POMC neurons. c) Quantification of vessels in the proximity of POMC neurons from HIF-1 α ^{EC} mice and their control littermates. Scale bars = 50 μ m



SUPPLEMENTARY DATA

Supplementary Figure 2. Body composition of HIF-1 α^{EC} mice. a) Fat mass and b) Lean mass percentage HIF-1 α^{EC} mice and their control littermates. c) Representative images of PECAM in the Arc of wild-type mice in fed and fasted condition. Scale bars = 50 μ m



SUPPLEMENTARY DATA

Supplementary Figure 3. Frequency of synaptic events onto POMC cells. Frequency of mEPSC onto POMC neurons of a) Control and b) HIF-1 α^{EC} mice in fed and fasted condition. Frequency of mIPSC onto POMC neurons of a) Control and b) HIF-1 α^{EC} mice in fed and fasted condition.

