

Supplemental Figure 4

In situ hybridization on wildtype adult brains in arcuate nucleus (ARC) of the hypothalamus. A) Probes for Mks5 (green) and Mks6 (red) revealed no overt differences in gene expression pattern in wildtype ad libitum fed animals. B) Positive control (+ Control) probes for housekeeping genes RNA Pol II subunit A (POLR2A, green) and peptidylprolyl isomerase B (PPIB, red) show staining throughout the sample. Negative control (- Control) probes for the non-mammalian gene Dihydrodipicolinate reductase (dapB, red and green) show no staining. Scale bars 10µm and DAPI stained nuclei are blue.