

Supplemental Data

qPCR Primer	Forward Sequence	Reverse Sequence
AGRP	5'-GAG TCC TGC TTG GGA CAG C -3'	5'-CTT GCG GCA GTA GCA AAA GG-3'
NPY	5'-GGA CTG ACC CTC GCT CTA TC-3'	5'-AGT GTC GCA GAG CGG AGT AG-3'
POMC	5'-TGG AAG ATG CCG AGA TTC TGC-3'	5'-CAA GCC AGC AGG TTG CTC TC-3'
ACTB	5'-GCGCAAGTACTCTGTGTGGA-3'	5'-GAAAGGGTGTAACCGCAGC-3'

Single Cell RT-PCR Primers	Forward Sequence	Reverse Sequence
MC4R	5'-ACGGTTAGGCGGGTCGGGAT-3'	5'-TGGTCCCTGTGCCTGGGAGG-3'
MC4R Nested	5'-ATCATCATAAGTTGTATCTGGG-3'	5'-ACAGCAATCCTCTTAATGTGA-3'
ACTB	5'-CTGGAGAAGAGCTATGAGCTGCCT-3'	5'-CTCCTGCTTGCTGATCCACATCTG-3'
ACTB Nested	5'-GCGCAAGTACTCTGTGTGGA-3'	5'-GAAAGGGTGTAACCGCAGC-3'