

Table S1 The sequence information of qPCR and ChIP-qPCR primers

Gene name	sequence
<i>18s</i>	F: GTAACCCGTTGAACCCCAT R: CCATCCAATCGGTAGTAGCG
<i>Irs3</i>	F: CTCGGCTCACCGTTTCCTT R: CGCGCTTGCTAATAGTGCAG
<i>Slc4a2</i>	F: GTGACTGGAACACTGGTCCTA R: CCAGCCACGTTGCATTGTAG
<i>Pck1</i>	F: CTGCATAACGGTCTGGACTTC R: GCCTTCCACGAACTTCCTCAC
<i>Pygl</i>	F: GAGAAGCGACGGCAGATCAG R: CTTGACCAGAGTGAAGTGCAG
<i>Gysl</i>	F: GAACGCAGTGCTTTTCGAGG R: GCTCCGTGTATGGTCCCAC
<i>Sorsb1</i>	F: AGACATGGACCCTACCAAAATCT R: GACTTGCTTTCATGCTTCGGA
<i>Pde3b</i>	F: AAAGCGCAGCCGGTACTAT R: CCATATTGCGAGCTTCATTTAGC
<i>Acaca</i>	F: CTCCCGATTCAATGGGTCTG R: TCGACCTTGTTTTACTAGGTGC
<i>Acacb</i>	F: CGCTACCAACAGTAAGGTGG R: GCTTGGCAGGGAGTTCCTC
<i>Rnf20</i>	F: AGCAGAAATGCTAGATCAGCG R: GCGGATGTTTTCATCAAAGTGG
<i>Sucnr1</i>	F: TCTTGTGAGAATTGGTTGGCAA R: CATCTCCATAGGTCCCCTTATCA
<i>Hcar1</i>	F: CGGGTCGTGCTGTCTCATC R: TCCGAAGGGGTAAGCAGATCA
<i>Ffar4</i>	F: CTTGATCCTCACGGCCTACAT R: CCAGGGTCAGATTAAGCAGGAG
<i>Ffar2</i>	F: CTTGATCCTCACGGCCTACAT R: CCAGGGTCAGATTAAGCAGGAG
<i>Adora2a2</i>	F: GCCATCCCATTGCGCATCA R: GCAATAGCCAAGAGGCTGAAGA
<i>Oxtr</i>	F: GGCCGTGTTCCAGGTTCTC R: TGCAAGTATTTGACCAGACGAC
<i>Mc2r</i>	F: AAGCCTCGTGGCAGTTTGA R: TCACAATGCTATGGTATTGCAGG
<i>Gipr</i>	F: CCACTGGGTCCCTACACTG R: TCTGAGCGTCCCACGATCA
<i>Tshr</i>	F: CACCAGGAGGACGACTTCAGA R: GGCAGACTCGAAAATGCAAGA

Slc2a4 ChIP-qPCR

F: CAAGCGGGTCTCACTAGATC

R: AGACTCAGGCGCTGCAATAA
