ESM Table 1 Sequence of primers of mouse genes used in Real-time PCR analysis
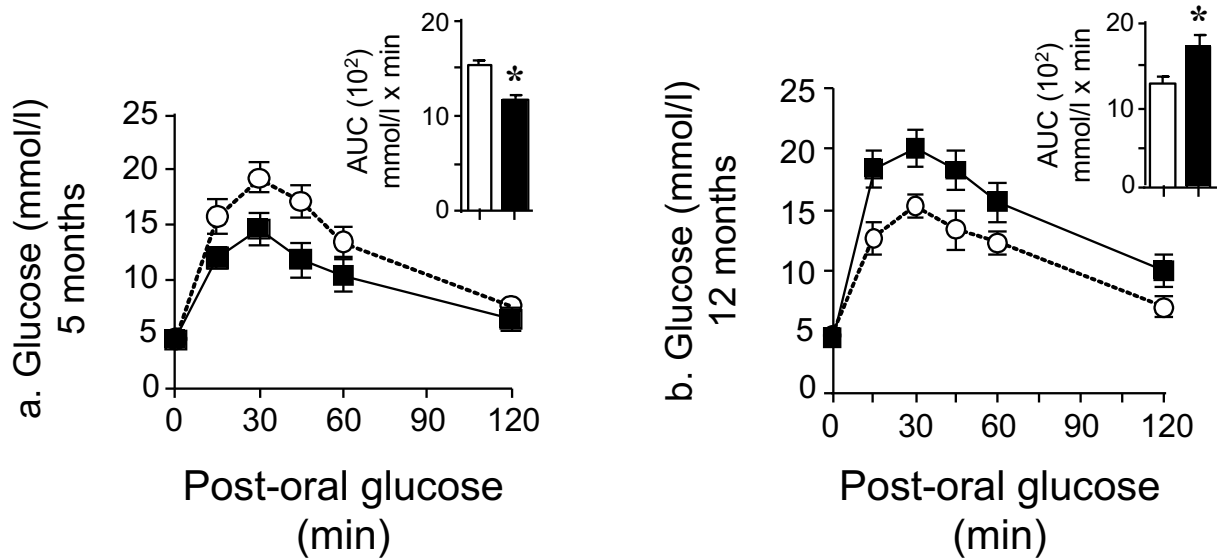
Primer	Forward Sequence (5'-3')	Reverse Sequence (5'-3')
mCc1	AATCTGCCCCTGGCGCTTGGAGCC	AAATCGCACAGTCGCCTGAGTACG
Ucp3	GTCTGCCTCATCAGGGTGTT	CCTGGTCCTTACCATGCAGT
Cpt1b	AAGGCAGAAGAGTGGGCTTTCACT	ACCTTGGCTGCGGTAAGACTATGT
Pdk4	CCTTTGGCTGGTTTTGGTTA	CCTGCTTGGGATACACCAGT
Cox2	ACGAAATCAACAACCCCGTA	GGCAGAACGACTCGGTTATC
Pparα	TCACAAGTGCCTGTCTGTCG	CAGGTAGGCTTCGTGGATTC
Cpt1	AAGGCAGAAGAGTGGGCTTTCACT	ACCTTGGCTGCGGTAAGACTATGT
Cd36	TCTTGGCTACAGCAAGGCGACATA	AGCTATGCAGCATGGAACATGACG
Ucp1	GGGCCCTTGTAAACAACAAA	GTCGGTCCTTCCTTGGTGTA
Dio2	AAATGACCCCTTTGGTTTCC	TTCCCCATTAT CC TTTCC
G6Pase	TCCTGGGACAGACACACAAG	CAACTTTAATATACGCTATTGG
Pepck	CTTCTCTGCCAAGGTCATCC	TTTTGGGGATGGGCAC
Fasn	ACTGTGAGAAGCATGTCCCTGGAA	AAGCAACCTCCACTCCTCTGCTTA
Fatp1	GCAGAAGACGCAGGAAGA	GGACGTGGCTGTGTATGG
Adrb3	GGCACAGGAATGCCACTCCAAT	AGGAGGGGAAGGTAGAAGGAGAC
Adrb2	ACGAAGCGTGGGTTGTGGGC	CCCAAACGGCACCACCGCTA
Gapdh	CCAGGTTGTCTCCTGCGACT	ATACCAGGAAATGAGCTTGACAAAGT

ESM Fig. 1

Male mice (5 to 12 months of age, $n \geq 5$ for each genotype and age group) were subjected to an oral gavage of glucose (3 g/kg body weight) to assess blood glucose levels at 0-120 min post-injection. Area under the curve (AUC) was measured and represented as a bar graph. Values are expressed as means $\pm$ SEM.

*$P<0.05$ in $Cc2^{-/-}$ (black bars or squares) vs $Cc2^{+/+}$ mice (white bars or circles).