



Supplementary Figure 1:

Abbreviations: STZ: streptozotocin; F0: maternal generation; F1: offspring generation; E0.5: embryonic day 0.5; RPG: random plasma glucose; OGTT: oral glucose tolerance test

Supplementary Table 1. Primer sequences

Genes	Species	Forward sequence	Reverse sequence
β -Actin	Human	GGAGCGAGATCCCTCCAAAAT	GGCTGTTGTCATACTTCTCATGG
<i>GLUT1</i>	Human	GGCCAAGAGTGTGCTAAAGAA	ACAGCGTTGATGCCAGACAG
<i>GLUT3</i>	Human	GGTTTTGTTGGCTGAAAAAGCTG	CTCAGAGGGTGGGGCATTTC
<i>GLUT4</i>	Human	AACTGGACGAGCAACTTCATCAT	CGTTCTCATCTGGCCCTAAATACT
<i>GLUT8</i>	Human	GTCAACGCCGTCATGTTCTATG	CCATGACCACACCTGACAAGAC
<i>GLUT9</i>	Human	ACTGCCATCTTTATCTGCATTGG	CTCTTGGGAAACGTCTGCTTTAC
<i>GLUT12</i>	Human	CTATCAACCAGTCCTTGATGAGTCTGTG	CTGTGACTATCTGGTATTCAGTGTGGCTTA
β -actin	mouse	CCACTGCCGCATCCTCTTCC	CTCGTTGCCAATAGTGATGAC
<i>Slc2a1</i>	Mouse	TATTGCCCAGGTGTTTGG	ATTGATGAGCAGGAAGCG
<i>Slc2a3</i>	Mouse	GGAGAGAGGTGCTTCCTTG	GCCCACAACTGGGTCTT
<i>Slc2a4</i>	Mouse	GAGAGAGCGTCCAATGTCC	TGATGCCTGAGAGCTGTTG
<i>Slc2a8</i>	Mouse	CAAGGGTGTGGCTACCG	CACTGAGAGCGCAGAAGG
<i>Slc2a9</i>	Mouse	GACACCCGACATCACTCC	CACCCACTCAAACACCCT
<i>Slc2a12</i>	Mouse	CAGTCGTCCCAGCTGCTTACAA	ATGGCGCGCCTCTAATTC