**Supplementary Table 1. Primer sequences used for quantitative PCR analyses**

Insulin forward TCACACCTGGTGGAAGCTC

Insulin reverse ACAATGCCACGCTTCTGC

Glut2 forward CAAGATCACCGGAACCTTGC

Glut 2 reverse ATTCCGCCTACTGCAAAGCT

actin forward GCCCCTCTGAACCCTAAG

actin reverse CATCACAATGCCAGTGGTA

Pdx1 forward CCACACAGCTCTACAAGGACC

Pdx1 reverse CGTTGTCCCGCTACTACGTTTC

PTN forward TTGGGGAGAATGTGACCTCAATAC

PTN reverse GGCTTGGAGATGGTGACAGTTTTC

RPTPBZ forward TTTTCCAGGCAGGTGTTTTC

RPTPBZ reverse TCAGCTTGCACATTTTCTGG