

**Table S2****Primer sequences for the detection of target transcripts by RT-PCR**

<b>Genes</b>	<b>Primers</b>	<b>Sequences 5'-3'</b>
Beta-actin	Forward	ATGGAGGGGAATACAGCCC
	Reverse	TTCTTTGCAGCTCCTTCGTT
INS-FUR	Forward	CGCTTTCGTGAACCAGCAC
	Reverse	AGTTCCACCTGTCCGACCT
<i>Pdx1</i>	Forward	CCAGTGGGCAGGAGGTGCTTACA
	Reverse	CTCTGCATTCATGGCTTCAA
<i>NeuroD1</i>	Forward	GCTCCAGGGTTATGAGATCG
	Reverse	CTCTGCATTCATGGCTTCAA
Nkx.2.2	Forward	ACTTGAGCTCGAGTCTTGG
	Reverse	AGCCCTTTCTACGACAGCAG
<i>Nkx6.1</i>	Forward	CCGAGTCCTGCTTCTTCTTG
	Reverse	TATTCTCTGGGGATGACGGA
<i>MafA</i>	Forward	CTCTGGAGCTGGCACTTCTC
	Reverse	AGGAGGTCATCCGACTGAAA
<i>Pax6</i>	Forward	CTTCATCCGAGTCTTCTCCG
	Reverse	AGTTGGTGTCTCTCCCCCT
<i>P48</i>	Forward	GAAGGTTATCATCTGCCATCG
	Reverse	GGGTGGTTCGTTCTCTATGTT
Mouse insulin 1	Forward	TGGCTTCTTCTACACACCCAAG
	Reverse	ACAATGCCACGCTTCTGC
Mouse Insulin 2	Forward	GAGTCCCACCCCACCCAG
	Reverse	TCCACTTCACGGCGGGACA
Pancreatic polypeptide	Forward	GCATAGTCGCCTGGGTACAT
	Reverse	CCAACACTCACTAGCTCAGCA
Somatostatin	Forward	GCTGCGCTCTGCATCGTCCT
	Reverse	GGCCAGTTCCTGTTTCCCGGT
Glut 2	Forward	TCTTCACGGCTGTCTCTGTGCT
	Reverse	AGCAGCACAAGTCCCACCGAC