

Table S1. List of oligonucleotides used for genotyping and qRT-PCR

Gene	Sequence	Application
Pdx1-Cre	5' CCCCAGAAATGCCAGATTACG 3' CGTAGAGAGTCCGCGAGCCA	Genotyping
Math6-LoxP	5' ATTGGAGGAAGGCTCGGTGAA 3' TTGGCATTCTGCTGCTGTC	Genotyping
Math6 (Primer1 and primer2)	5'AGCGTCCTTTGGGTAGATATATTCAACAC 3'ATTGGAGGAAGGCTCGGTGAA	Pancreas recombination
Math6 (control: Primer3 and primer4)	5'AAGAACTGAACGGCTCAAGAAGC 3'GATCGGGAACGGTTGTGTCC	Pancreas recombination
Cre	5' CTGCAGCACCTTCCAGGT 3' TCGGATCCGCCGATAACCA	qPCR
Math6	5' AGCCAAGAAACGGAAGGAGTG 3' TCTGGCAGCATCTTGAGGAAG	qPCR (exon 1)
Somatostatin	5'ACCCAGACTCCGTCACTTTC 3'ATCATTCTCTGTCTGGTTGGGC	qPCR
Insulin (1+2)	5' AGCGTGGCTTCTTCTACACACC 3' CCAGCTCCAGTTGTGCCACT	qPCR
Glucagon	5' AGGAATTCATTGCGTGGCTG 3' CAATGGCGACTTCTTCTGGG	qPCR
Ghrelin	5' CCATCTGCAGTTTGCTGCTA 3' GCTTGTCTCTGTCTCTGG	qPCR
Neurog3	5'TTCTCATCGGTACCCTTGCTG 3'GCAGACTCACCAGGAAGTATGG	qPCR
Pdx1	5' CCCCAGTTTACAAGCTCGCT 3' CTCGGTTCATTCTGGGAAAGG	qPCR
Arx	5' TTCCAGAAGACGCACTACCC 3' TCTGTCAAGTCCAGCCTCAT	qPCR
NeuroD1	5' GGATCAATCTTCTTCCGGTG 3' TGCGAATGGCTATCGAAAGAC	qPCR
Nkx2.2	5' GAACAGCAAGCTAGCCGAGG 3' CGATCAGTCCATATAAGGCTGG	qPCR
Nkx6.1	5' TGGACAGCAAATCTTCGCCCTG 3' TGTTGTAATCGTCGTCATCCTC	qPCR
Pax4	5' GAGTACCCTGCTCTTTTGCC 3' ACTCGATTGATAGAGGACACACT	qPCR
Pax6	5' TACCAGTGTCTACCAGCCAAT 3' TGCACGAGTATGAGGAGGTCT	qPCR
Hhex	5' AGCTCAGTGAGAGACAGGTCA 3' GTGTCCAAACTGTCCAACGC	qPCR
Ppy	5' ACCCAGGCGACTATGCGACACC 3'AGCTCCCTGCCTTCAGCTCCAG	qPCR
Actb	5' AAATCGCTCCTGTCGAGTCGCG 3' ACGACCAGCGCAGCGATATCG	qPCR
Tbp	5' ACCCTTACCAATGACTCCTATG 3' ATGATGACTGCAGCAAATCGC	qPCR
Amylase	5' TGGCGTCAAATCAGGAACATG 3' AAAGTGGCTGACAAAGCCCAG	qPCR
Ptf1a	5' ACAAGCCGCTAATGTGCGAGA 3' TTGGAGAGGCGCTTTTCGT	qPCR
Mist1	5' GCTGACCGCCACCATACTTAC 3' TGTGTAGAGTAGCGTTTGCAGG	qPCR
Mnx1	5' GTCTACTGCGGGCATGATCC 3' CACCTCAAACGCTTGGGTC	qPCR