

Supplementary material

Table S1: Quantification of apoptotic cells in the E17.5 pancreas

2592_control			2595_Neurod1CKO			
Section#	INS+ cells	other cell types		Section#	INS+ cells	other cell types
1	0	1		1	0	0
2	0	0		2	0	0
3	0	0		3	0	0
4	0	0		4	0	0
5	0	0		5	1	0
6	0	0		6	0	0
2591_control			2594_Neurod1CKO			
Section#	INS+ cells	other cell types		Section#	INS+ cells	other cell types
1	0	0		1	0	0
2	0	4		2	0	0
3	0	1		3	0	0
4	1	0		4	0	0
5	0	0		5	0	0
6	0	0		6	0	0
2589_control			2590_Neurod1CKO			
Section#	INS+ cells	other cell types		Section#	INS+ cells	other cell types
1	0	0		1	1	0
2	0	2		2	0	3
3	0	0		3	0	0
4	0	0		4	0	0
5	0	0		5	0	2
6	0	0		6	0	0

* Parafin sections from the E17.5 control and *Neurod1CKO* pancreas immunostained for insulin and apoptotic cells (TUNEL) were evaluated. TUNEL positive cells were manually quantified.

Table S2. Primer sequences for qPCR

<i>Arx_F</i>	TTTCTAGGAGCAGCGGTGT
<i>Arx_R</i>	GGGCCATAGTGGAAGAGC
<i>Pdx1_F</i>	CCCCAGTTTACAAGCTCGCT
<i>Pdx1_R</i>	CTCGGTTCCATTCGGGAAAGG
<i>Pax6_F</i>	GTTGTGTGAGTAAAATTCTGGGC
<i>Pax6_R</i>	GAGTCGCCACTCTTGCTTA
<i>Neurod1_F</i>	ATGACCAAATCATACAGCGAGAG
<i>Neurod1_R</i>	TCTGCCTCGTGTTCCTCGT
<i>MafA_F</i>	CTCCAGAGCCAGGTGGAG
<i>MafA_R</i>	GTACAGGTCCCGCTCCTTG
<i>MafB_F</i>	GCAGGTATAAACGCGTCCAG
<i>MafB_R</i>	TGAATGAGCTGCGTCTTCTC
<i>Neurog3_F</i>	AGTGCTCAGTTCCAATTCCAC
<i>Neurog3_R</i>	CGGCTTCTTCGCTTTTGCTG
<i>Pou3f4_F</i>	CTGCCTCGAATCCCTACAGC
<i>Pou3f4_R</i>	CTGCAAGTAGTCACTTTGGAGAA
<i>Ppy_F</i>	CAGGCGACTATGCGACACC
<i>Ppy_R</i>	CAGGGAATCAAGCCAAGTGG
<i>Sst_F</i>	ACCGGGAAACAGGAAGTGG
<i>Sst_R</i>	TTGCTGGGTTCGAGTTGGC
<i>Gcg_F</i>	CAGAAGAAGTCGCCATTGCC
<i>Gcg_R</i>	AAGTCCCTGGTGGCAAGATT
<i>Ghrl_F</i>	CCAGAGGACAGAGGACAAGC
<i>Ghrl_R</i>	ACATCGAAGGGAGCATTGAA
<i>Ins1_F</i>	GACCAGCTATAATCAGAGACCATC
<i>Ins1_R</i>	GTAGGAAGTGCACCAACAGG
<i>Ins2_F</i>	GGCTTCTTCTACACACCCAT
<i>Ins2_R</i>	CCAAGGTCTGAAGGTCACCT
<i>Nkx2.2_F</i>	AAGCATTTCAAACCGACGGA
<i>Nkx2.2_R</i>	CCTCAAATCCACAGATGACCAGA
<i>Insm1_F</i>	CTGGCGGCGTATCCGAATC
<i>Insm1_R</i>	CCTGGCGACGGAAGTCTT
<i>Pax4_F</i>	AGGGGACTCTTTGTGAATGG
<i>Pax4_R</i>	ACCTGTGCGGTAGTAGCGT
<i>Hprt1_F</i>	GTGGCCCTCTGTGTGCTC
<i>Hprt1_R</i>	TCTACAGTCATAGGAATGGATCTATCA