

Supporting Information

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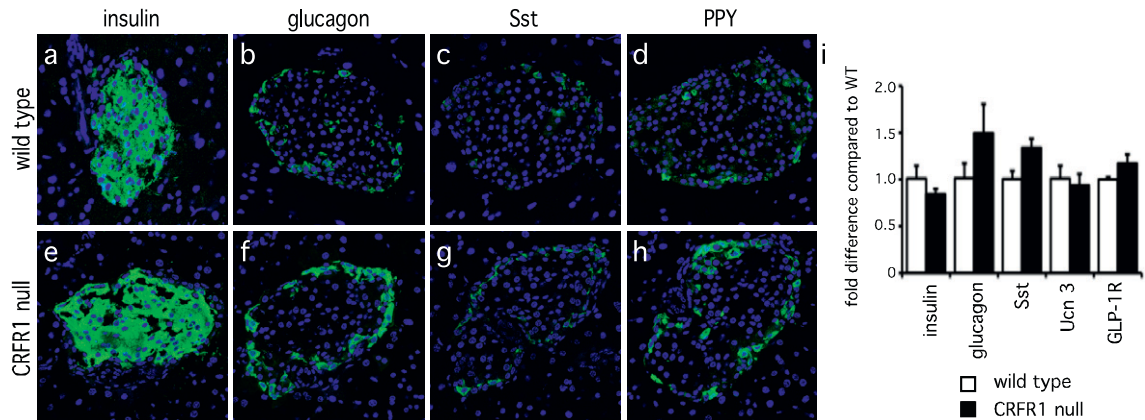


Fig. S1. Constitutive absence of CRFR1 does not affect islet architecture. The overall morphology of islets stained for insulin, glucagon, Sst, and polypeptide Y (PPY) did not differ markedly between wild-type (A–D) and CRFR1 (E–H) pancreata, although the number of α cells may be modestly increased in CRFR1-null animals (F). This finding is confirmed by the expression profile of isolated pancreatic islets from wild-type and CRFR1-null animals, which reveal no significant differences in the expression levels for insulin, glucagon, somatostatin, Ucn 3, or GLP-1R but confirm a trend toward elevated expression of glucagon (I).

Table S1. Names and sequences of primers

Gene	Primer name	Sequence (5'→3')
HPRT	qmHPRT.fwu	ttctcctcagaccgctttt
	qmHPRT.rvu	cctggttcacatcgctaattc
CRFR1	qrodCRFR1.fwu	cttctcctctggggctga
	qrodCRFR1.rvu	agggtccaatgaggtccac
GLP-1R	qmGLP-1R.fwu1	ccctgggccagtagtggtg
	qmGLP-1R.rvu1	gcaggctggagttgtcctta
GIPR	qmGIPR.fwu1	gggatcttgagagaccaca
	qmGIPR.rvu1	cccacggtatacatgatctgc
insulin	qrodINS2.fw1	gctctctacgtggtgtggg
	qrodINS2.rv1	caaggctgaaggtcacctgc
glucagon	qrodGLUC.fw1	tcacagggcacattcaccag
	qrodGLUC.rv1	catcatgacgtttggcaatgtt
Sst	qrodSst.fw1	ctgtgtcaccggcgctg
	qrodSst.rv1	ctgtgtcaccggcgctc
cFos	qmcFos.fwu1	cagcctttcctactaccattcc
	qmcFos.rvu1	acagatctgcgcaaaagtc
NR4A2	qmNR4A2.fwu1	tcagagcccacgtcgatt
	qmNR4A2.rvu1	tagtcagggtttgcctggaa
RGS2	qmRGS2.fwu1	agaaaatgaagcggacactctt
	qmRGS2.rvu1	ttgccagttttgggcttc
DUSP1	qmDUSP1.fwu1	gtgcctgacagtgcagaatc
	qmDUSP1.rvu1	cactgccagggtacaggaag
Ucn 3	qrodU3.fw1	gctgtgccctcgacct
	qrodU3.rv1	tgggcatcagcctgcct