

SUPPLEMENTARY DATA

Supplementary Table 1. Oligonucleotides used to create and verify GLP1R-Cre mice.

Name	Sequence
iCre001	GTA GTC CCT CAC ATC CTC AGG
iCre002	GAC AGG CAG GCC TTC TCT GAA
iCre003	CTT CTC CAC ACC AGC TGT GGA
iCre004	GCC GAA ATT GCC AGA ATC AG
GLP1R-001	CAG CGC CGA ACA TCT CCT GG
GLP1R-002	CCC ACT TGC CTG CTT CAT AGG
GLP1R-003	GGG AGC GCT GGA GGC TGG AG
GLP1R-neo1	AGT GGG GCC ACA GTG GGC AGC AGC GTG TAC GCA GCC ACC TGC CAG AGT TCC TAC AGC TGA GGC CTG GTG ATG ATG GCG GGA TCG
GLP1R-neo2	CTC CCA CCT GGG ATG GCC ACC CAG CCA GAA GCA AGG ACC ACA GGA GGA CCG GCA CTG GGG CTC AGA AGA ACT CGT CAA GAA GGC G
GLP1R-Cre1	GGA TCA GTC GCG GCG CGC GGT TCC GCA GGT GGC AGC TAT GAC CCA GTC CTG AGC GCC CAG CCA TGG TGC CCA AGA AGA AGA GG
GLP1R-Cre2	CTC CCA CCT GGG ATG GCC ACC CAG CCA GAA GCA AGG ACC ACA GGA GGA CCG GCA CTG GGG CTC AGT CCC CAT CCT CGA GCA GC
RM41	AAG GTA GAG TGA TGA AAG TTG TT
RM41	CAC CAT GTC CTC TGT CTA TTC
GFP002	CTG GTA GTG GTC GGC GAG C
GFP003	GTT CAG CGT GTC CGG CGA G
tdRFPsense	CTG TTC CTG GGG CAT GGC
tdRFPanti	CTA CAG GAA CAG GTG GTG G

Supplementary Table 2. Primers for Taqman.

Gene	Primer 1	Primer 2	Probe
<i>Ins</i>	AACCCACCCAGGC TTTTGTCA	CTTCCTCCAGCTCCA GTTGTTC,	GGCTCTCTACCTGGTGTG TGGGGAGCGT
<i>actb</i>	Mm00607939_s1 (Applied Biosystems)		
<i>gcg</i>	Mm01269055_m1 (Applied Biosystems)		
<i>sst</i>	Mm00436671_m1 (Applied Biosystems)		
<i>ppy</i>	Mm01250509_g1 (Applied Biosystems)		
<i>glp1r</i>	Mm00445292_m1 (Applied Biosystems)		

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Supplementary Table 3. Antibodies used for immunofluorescence microscopy.

	Dilution	Source
Calbindin	1/300	Swant, #CB300
Calretinin	1/300	Swant, #CG1
CGRP	1/400	Abcam, #36001
Cytokeratin	1/300	Dako, #Z0622
dsRed	1/500 - 1/1000	Clontech, #632496
GFP/YFP	1/100	Abcam, #6662
Insulin	1/100	Abcam, #7842
NG2	1/200	Abcam, #5320
nNos	1/500	Abcam, #1376
Proglucagon	1/100	Santa Cruz, #sc-7782
Renin	1/500	Santa Cruz, #sc-27318
Smooth muscle actin	1/200	Abcam, #5694
Somatostatin	1/1000	Dako, #A0566

Supplementary Table 4. Primers for nested PCR.

Gene	Sense	Antisense
Actb outer primers	GCCAACCGTGAAAAGATGAC	AGCTCAGTAACAGTCCGCCTAGA
Actb nested primers	GGCTGTGCTGTCCCTGTATG	TGCCACAGGATTCCATACCC
Glp1r outer primers	GAAATGGAGAGAATACCGG	CTTCCACCAGCAACCAGTAG
Glp1r nested primers	CTACAAGGCCATGTGTACCG	GCAGTGCAAGTGTCTGAAGC