

Figure 1

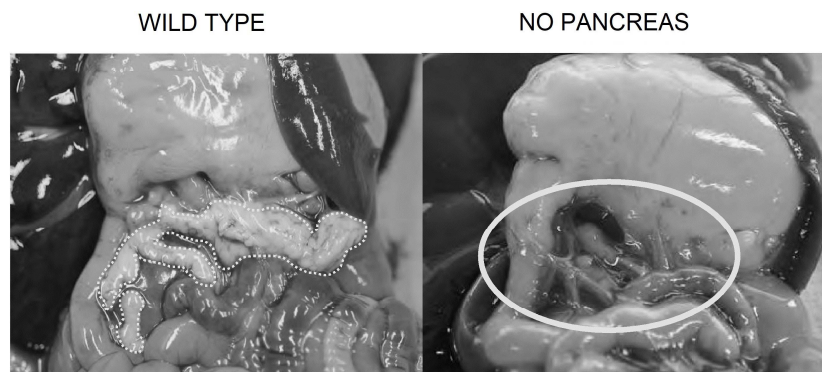


Figure 2

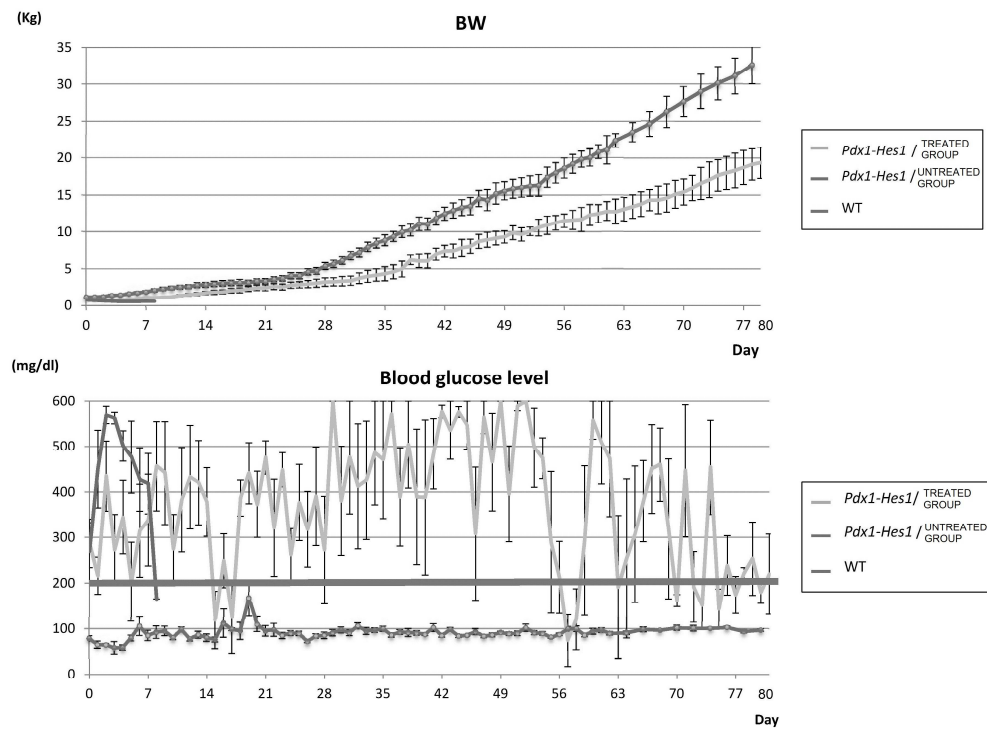


Figure 3

Parameters	Day23		Day60	
	WT(n=4)	<i>Pdx1-Hes1</i> ^{TREATED} GROUP (n=4)	WT(n=4)	<i>Pdx1-Hes1</i> ^{TREATED} GROUP (n=3)
TP (g/dl)	4.725±0.13	4.75±0.29	5.5525±0.02	5.5±0.1
ALB (g/dl)	2.925±0.16	3.075±0.44	4.75±0.06	4.7±0.09
UA (mg/dl)	0.35±0.03	0.425±0.02	0.275±0.08	0.4±0.03
BUN (mg/dl)	15.375±1.43	24.825±2.94	10.55±0.68	18.1±1.1
CRE (mg/dl)	0.55±0.03	0.45±0.09	0.675±0.03	1.1±0.22
Na (mEq/l)	139.5±0.5	128±3.03	143.75±0.63	132.3±0.33
K (mEq/l)	3.975±0.11	4.225±0.08	3.475±0.08	4.9±0.42
Cl (mEq/l)	98±0.71	94.5±2.5	105.5±0.87	96.3±0.33
Ca (mg/dl)	10.1±0.27	9.6±0.24	10.275±0.09	10.3±0.21
IP (mg/dl)	10.475±0.18	9.075±0.33	10.055±0.26	9.6±0.17
GOT (IU/l)	44±4.6	28.25±3.42	32±4.18	27.7±12.25
GPT (IU/l)	59.25±3.75	55.75±3.17	35±2.71	38.7±0.88
ALP (IU/l)	1345±42.1	2078.75±166.8	1118±66.04	1486.7±183.24
γGT (IU/l)	27.5±0.65	46.5±6.6	27.25±2.75	45±3.61
LiP (IU/l)	45.25±8.78	41.25±2.69	35.5±9.54	33.7±2.03
TCHO (mg/dl)	87±12.52	84.5±5.52	88±8.42	85.3±6.89
TG (mg/dl)	69±5.64	350.25±67.91	39.75±4.21	261.25±107.72
HDL-C (mg/dl)	44.5±8.74	55.5±5.24	40±5.99	45±3.06
TBIL (mg/dl)	0.35±0.03	1.15±0.14	0.25±0.06	0.3±0.09
Mq (mg/dl)	2.375±0.08	2.1±0.07	2.4±0.09	2.6±0.03
Insulin (ng/mg)	0.9475±0.13	N.D	5.7625±0.76	N.D
1,5AG (ug/ml)	2.425±0.19	N.D	6.25±0.95	N.D
Glucagon (pg/ml)	150±6.75	287.5±58.21	178.75±5.27	262±22.81
GLU (mg/dl)	102.5±3.71	406.5±16.03	111.25±2.87	636.7±78.45
AMYL (IU/l)	1302.25±170.04	924.75±175.38	1659.5±209.17	1061±258.79
LDH (IU/l)	900±0	659.25±40.98	780.25±61.96	543.7±21.06 ₃
NH3 (μg/dl)	125.75±22.37	123.25±12.85	115±17.38	174±2.65

Figure 4

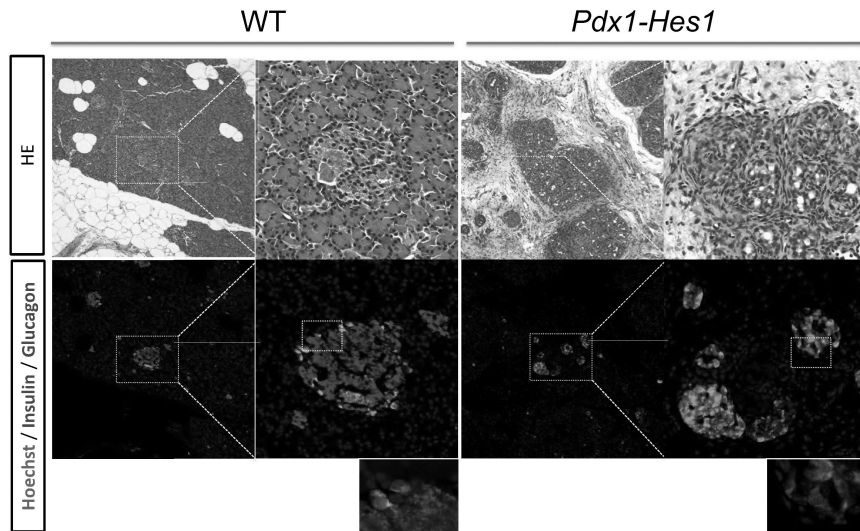


Figure 5

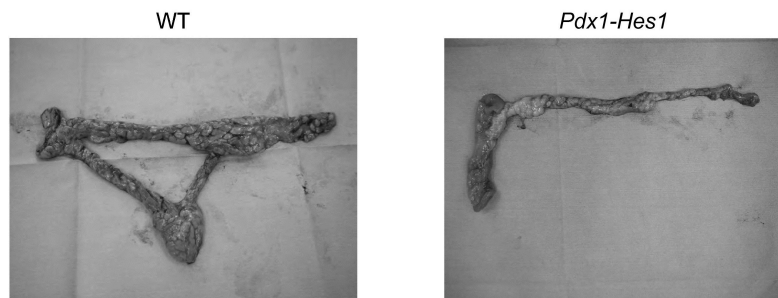


Figure 6

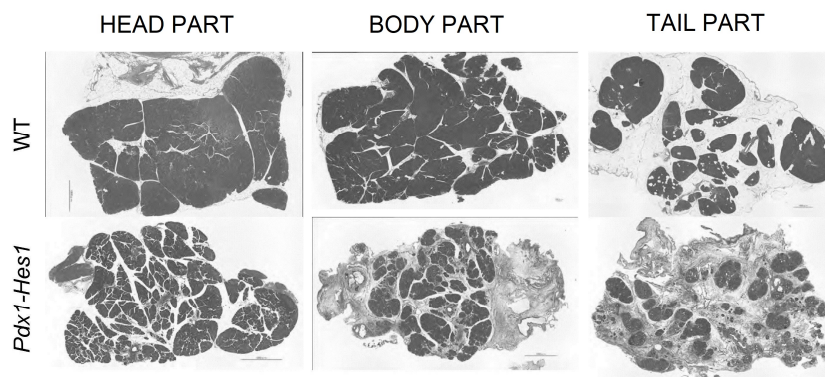


Figure 7

	AGE IN DAYS	No	BODY WEIGHT (kg)	PANCREAS WEIGHT (g)	PANCREAS WEIGHT /BODY WEIGHT
<i>Pdx1-Hes1</i>	38	#M148-5	2.03	0.72	0.03%
	80	#M220-4	19.04	5.11	0.03%
		#M220-6	17.45	4.12	0.02%
		#M148-3	23.51	5.45	0.02%
		Ave	20 ^a	4.89 ^a	0.02% ^a
WT	80	#M220-5	29.50	42.34	0.14%
		#M220-7	40.00	63.27	0.16%
		#M148-9	29.00	45.02	0.16%
		#M148-10	36.00	64.96	0.18%
		Ave	33.62 ^b	53.89 ^b	0.16% ^b

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Figure 8

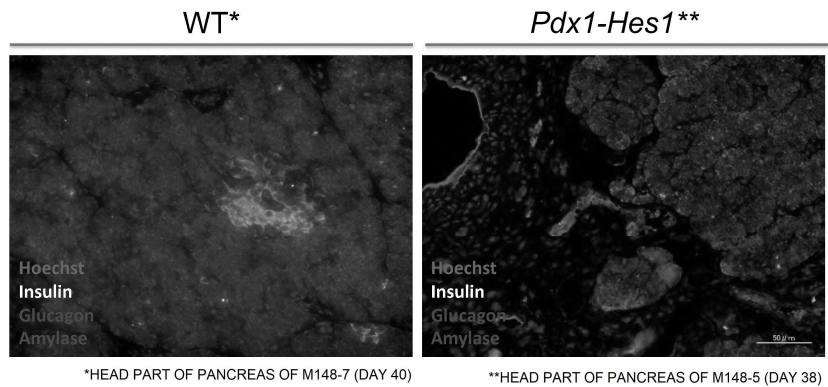


Figure 9

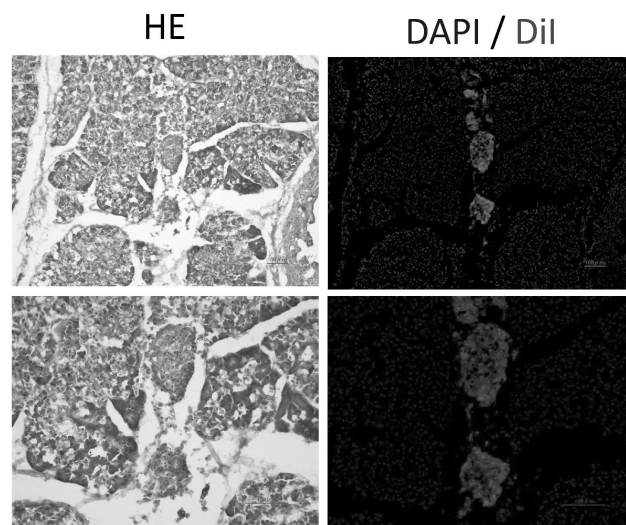


Figure 10

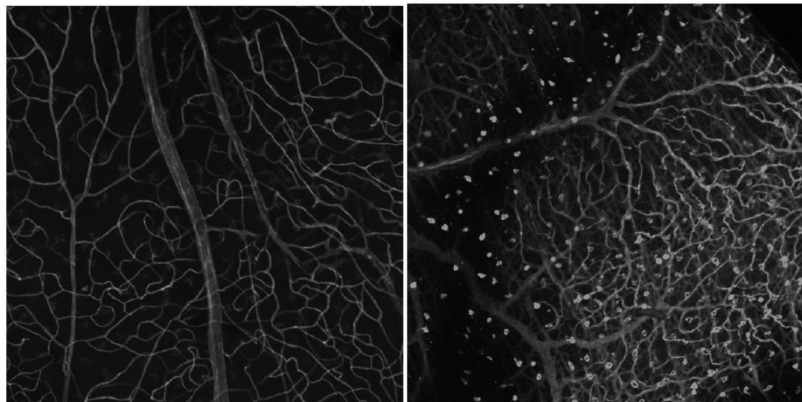


Figure 11

