

MMRRC UNC – Genotyping Protocol

MMRRC Strain ID	357
MMRRC Strain Name	B6.Cg-Tg(Pdx1-EGFP)1Herr/Mmnc
Gene Name(s)	Pancreatic and duodenal homeobox 1 (Pdx1)
Breeding Protocol(s)	Backcross to C57BL/6 J
Protocol Date	11/25/13

MMRRC #357 PCR Reaction

	1X
DNA	1.0
10X Buffer	2.5
10mM dNTPs	1.0
20 uM Primer 1 & 2	1.0
Taq	1.0
ddH ₂ O	17.0
25mM MgCl ₂	1.5

Denaturing: 94C, 45 sec
 Annealing Temp.: 55C, 45 sec.
 Extension: 72C, 60 sec
 Cycles: 30

Taq: **Apex and Chromataq 10X Buffer**

Bands: Tg+: 400bp
 WT: no band

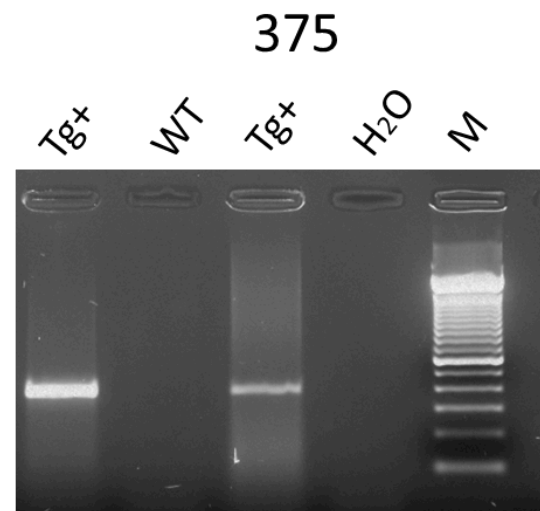
Primers are 10uM with respect to each primer (20uM total).

Primer sequences 5' to 3':

pdx1F: ACT ACA TCT TGA GTT GCA GGC

bglobinR: TCC ATG GTG ATA CAA GGG AC

Run on 1.5% agarose gel in TAE.



M: 100 bp DNA ladder (Invitrogen)