

MMRRC UNC – Genotyping Protocol

MMRRC Strain ID	358
MMRRC Strain Name	B6.Cg-Tg(Gcg-cre)1Herr/Mmnc
Gene Name(s)	Glucagon (Gcg) Cre (Bacteriophage 1)
Breeding Protocol(s)	Backcross to C57BL/6J
Protocol Date	10/28/13

MMRRC# 358 PCR Reaction

	<u>1X</u>
ddH ₂ O	13
5X Buffer	5.0
25mM MgCl ₂	2
10mM dNTPs	0.5
10 uM Primer F	1
10 uM Primer R	1
Taq	0.5
DNA	2

Thermal Cycler:

94°C for 45 sec

55°C for 45 sec

72°C for 60 sec

35x

Taq: **Apex and Chromataq 5X Buffer**

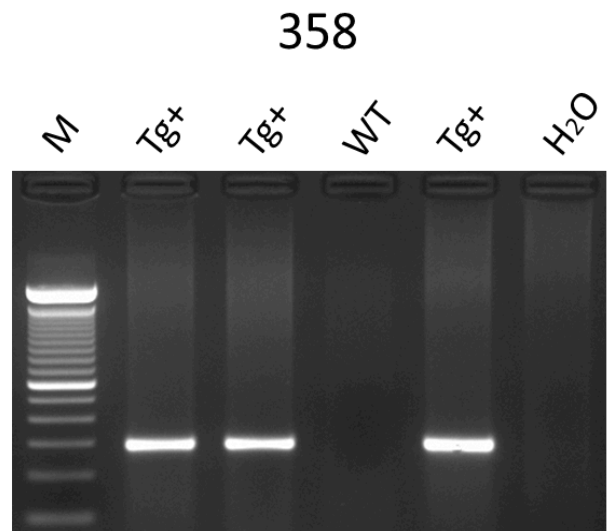
Bands: MUTANT: ~300bp
WT: No Band

Primer sequences 5' to 3':

GS-52S (358): gag aaa ttt ata ttg tca gcg

B globin R (358): tcc atg gtg ata caa ggg ac

Run on 2.0% agarose gel in TAE.



M: 100 bp DNA ladder (Invitrogen)