

MMRRC UNC – Genotyping Protocol

MMRRC Strain ID	11610
MMRRC Strain Name	B6.129P2- <i>Casp12</i> ^{tm1Dgen} /Mmnc
Gene Name(s)	caspase 12 (Casp12)
Breeding Protocol(s)	Backcross to C57BL/6J
Protocol Date	11/18/13

MMRRC# 11610 PCR Reaction

	<u>1X</u>
DNA	2.0
5X Buffer	5.0
10mM dNTPs	0.5
30 uM Primer F/R/Neo	1.5
Taq	0.5
ddH ₂ O	13.5
25mM MgCl ₂	2.0

Thermal Cycler:

94°C for 45 sec

60° for 45 sec

72° for 90 sec

35x

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

Bands: MUTANT: 414bp

WT: 246bp

Primers are 10uM with respect to each primer (30uM total).

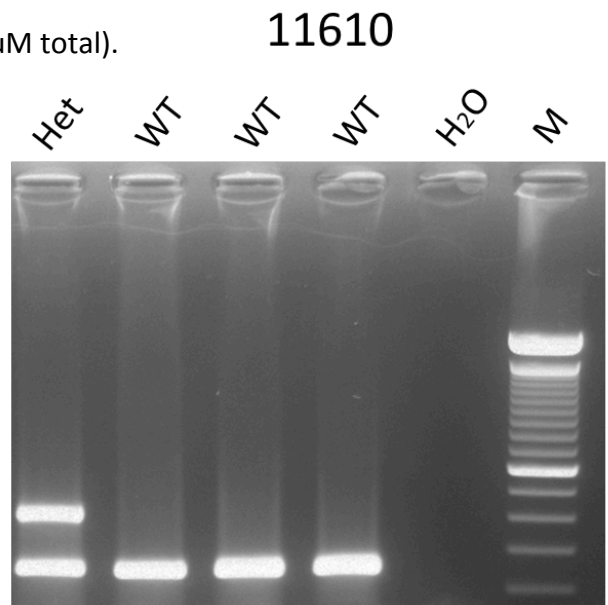
Primer sequences 5' to 3':

GS(E) GCCAGGAGGACACATGAAAGAGATC

GS(E,T) CAGCTGTTCTGGGAATTGGCAATG

Neo GGGTGGGATTAGATAAATGCCTGCTCT

Run on 2.0% agarose gel in TAE.



M: 100 bp DNA ladder (Invitrogen)