

MMRRC UNC – Genotyping Protocol

MMRRC Strain ID	129
MMRRC Strain Name	C57BL/6- <i>Atf2</i> ^{Tg(Gzma-Klra1)^{7Wum}} /Mmnc
Gene Name(s)	Granzyme A (Gzma), Killer cell lectin-like receptor, subfamily A, member 1 (Klra1), Activating transcription factor 2/transgene insertion 7
Breeding Protocol(s)	Backcross to C57BL/6J
Protocol Date	8/10/11

MMRRC# 129 PCR Reaction

	1X
DNA	2.0
5X Buffer	5.0
10mM dNTPs	0.5
10 uM Primer F/R	1/1
Taq	0.5
ddH ₂ O	13.0
25mM MgCl ₂	2.0

Note: This strain is homozygous lethal.

Thermal Cycler:

94°C for 30 sec
60°C for 30 sec
72°C for 60 sec
35x

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

Bands: MUTANT: ~1kb
WT: No Band

Primer sequences 5' to 3':

P1 (129): 5'-CTCTCTCTTTGCACTGCAGACTAAGTCC-3'

P2 (129): 5'- ATCCCTGCTGATTGGGGTGGGA-3'

Run on 1.0% agarose gel in TAE.