

MMRRC UNC – Genotyping Protocol

MMRRC Strain ID	31871
MMRRC Strain Name	B6.129(FVB)- <i>Grina</i> ^{tm1.1Ldh} /Mmnc
Gene Name(s)	Glutamate receptor, ionotropic, N-methylD-aspartate-associated protein 1 (Grina)
Breeding Protocol(s)	Random Intra-Strain Mating Backcross to C57BL/6J
Protocol Date	11/25/13

MMRRC# 31871 PCR Reaction

Thermal Cycler:

94°C for 30 sec

55°C for 30 sec

72°C for 60 sec

30x

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

Bands: MUTANT: 294bp

WT: 181bp

	<u>1X</u>
DNA	1.0
5X Buffer	5.0
10mM dNTPs	1.0
40 uM Primer Mix	2.0
Taq	1.0
ddH ₂ O	13.0
25mM MgCl ₂	2.0

Primer sequences 5' to 3': Primers are 10uM with respect to each primer (40uM total).

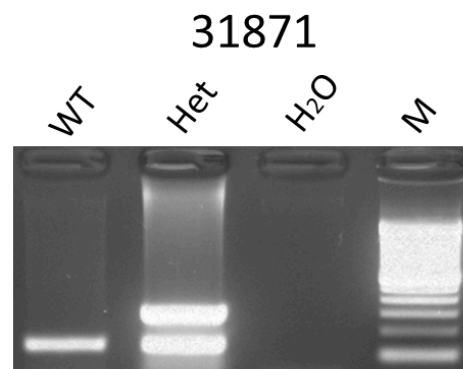
Forward primer tgF CTGGAGTACAACTACAACAGC 21-mer 10CG

Reverse primer tgR ACTTGTACAGCTCGTCCATGC 21-mer 11CG

Forward primer wtF CCGACCAACTGTGTCTTTACC 21-mer 11CG

Reverse primer wtR GTTGATGATGTCCGTGTACAGG 22-mer 11CG

Run on 2.0% agarose gel in TAE.



M: 100 bp DNA ladder (Invitrogen)

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www.med.unc.edu/mmrrc

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