

MMRRC UNC – Genotyping Protocol

MMRRC Strain ID	32096
MMRRC Strain Name	B6;129S-Myh9 ^{tm5Rsad} /Mmnc
Gene Name(s)	myosin, heavy polypeptide 9, non-muscle (Myh9)
Breeding Protocol(s)	Sib-mating
Protocol Date	12/9/13

MMRRC# 32096 PCR Reaction

Thermal Cycler:

95°C for 30 sec

55°C for 30 sec

72°C for 60 sec

30x

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

Bands: MUTANT: 770bp

WT: 600bp

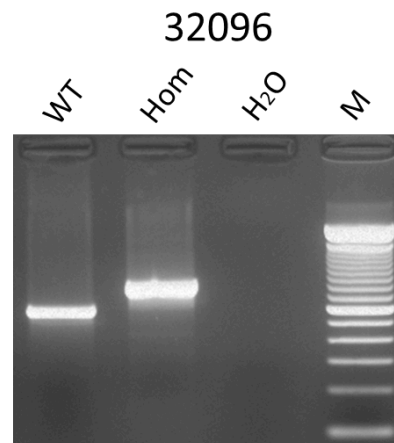
	1X
DNA	2.0
5X Buffer	5.0
10mM dNTPs	0.5
20 uM Primer F/R	1.0
Taq	0.5
ddH ₂ O	14.5
25mM MgCl ₂	1.5

Primer sequences 5' to 3': Primers are 10uM with respect to each primer (20uM total).

Myh9F 5'- ATGGGCAGGTTCTTATAAGG

Myh9R 5'- GGGACACAGTTGAATCCCTT

Run on 2.0% agarose gel in TAE.



M: 100 bp DNA ladder (Invitrogen)