

MMRRC UNC – Genotyping Protocol

MMRRC Strain ID	41414
MMRRC Strain Name	B6.129P2- <i>H3f3b</i> ^{tm1Mag} /Mmnc
Gene Name(s)	H3 histone, family 3B (H3f3b)
Breeding Protocol(s)	Backcross to C57B6/J
Protocol Date	12/23/16

MMRRC# 41414 PCR Reaction

Thermal Cycler:

Step 1: 94°C 5 min
 Step 2: 94°C 45 sec
 Step 3: 59°C 45 sec
 Step 4: 72°C 60 sec
 Step 2 to 4 Cycles: 30
 Step 5: 72°C 7 min

	1X
ddH ₂ O	13
5X Buffer	5
25mM MgCl ₂	2
10mM dNTPs	0.5
10uM Primer 1	1
10uM Primer 2	1
Taq	0.5
DNA	2

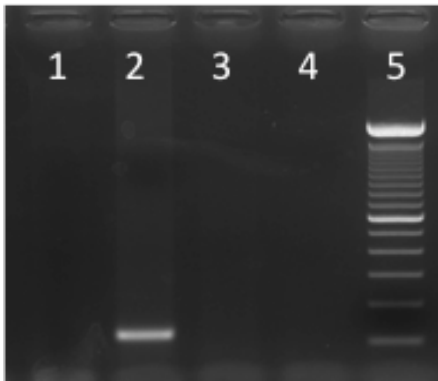
Taq: Apex Taq and Chromataq 5X Buffer

Bands:

WT: No Band
 MUTANT: 120bp

Primer sequences 5' to 3': Primers are 10uM with respect to each primer

H3f3b(41414)F CCTGAGTCATTAGGGGAGGGGAATT
H3f3(41414)ComR AGTTATCTCGAACGTGAACTGCAGTCTA



1. Wild-type Sample
2. Mutant Sample
3. Wild-type Control
4. Negative Control
5. 100bp Marker (Invitrogen)