

MMRRC UNC – Genotyping Protocol

MMRRC Strain ID	30266
MMRRC Strain Name	B6.129P2- <i>Ppp1r15a</i> ^{tm1.1A_{jj}} /Mmnc
Gene Name(s)	Protein phosphatase 1, regulatory subunit 15A (<i>Ppp1r15a</i>)
Breeding Protocol(s)	Backcross to C57BL6/J
Protocol Date	10/28/13

MMRRC# 30266 PCR Reaction

	1X
DNA	1.0
5X Buffer	5.0
10mM dNTPs	0.5
30 uM Primer F/R	1.5
Taq	1.0
ddH ₂ O	14.0
25mM MgCl ₂	2.0

NOTE: Run one reaction with 3 primers.

Thermal Cycler:

94°C for 45 sec

58°C for 45 sec

72°C for 60 sec

36x

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

Bands: MUTANT: 489bp
 WT: 242bp

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

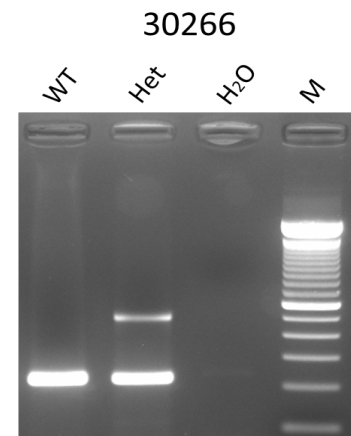
Primer sequences 5' to 3':

Pr25 (30266): GCA GAG TTG GGT GTG AGC AAT G

Pr26 (30266): AGG AGA TAG AAG TTG TGG GCG TC

Pr54 (30266): TAC TGG GAT GAC AAA GCA CGC

Run on 2.0% agarose gel in TAE.



M: 100 bp DNA ladder (Invitrogen)