

MMRRC UNC – Genotyping Protocol

MMRRC Strain ID	15748
MMRRC Strain Name	B6.129X1-Gt(ROSA)26Sor ^{tm2(ECFP)Cos} /Mmnc
Gene Name(s)	EGFP (Jelly Fish) Gene trap ROSA26, Gt(ROSA)26Sor
Breeding Protocol(s)	Intra-strain (homo x homo)
Protocol Date	11/25/13

MMRRC# 15748 PCR Reaction

2,2 Primer Reactions (P1 + P3) for wild-type and (P1+P2) for mutant

Thermal Cycler:

93°C for 30 sec
58°C for 40 sec
65°C for 70 sec
40x

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

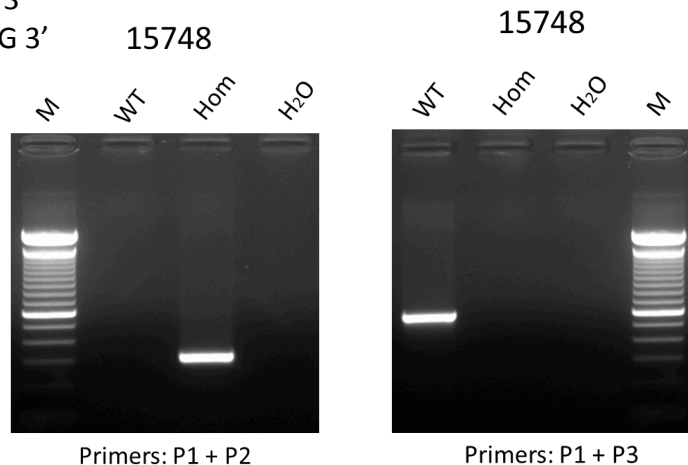
	<u>1X</u>
ddH ₂ O	13
5X Buffer	5.0
25mM MgCl ₂	2
10mM dNTPs	0.5
10 uM Primer F	1
10 uM Primer R	1
Taq	0.5
DNA	2

Bands: MUTANT: 250bp
WT: 500bp

Primer sequences 5' to 3':

P1: 5' AAA GTC GCT CTG AGT TGT TAT 3'
P2: 5' GCG AAG AGT TTG TCC TCA ACC 3'
P3: 5' GGA GCG GGA GAA ATG GAT ATG 3'

Run on 2.0% agarose gel in TAE.



M: 100 bp DNA ladder (Invitrogen) M: 100 bp DNA ladder (Invitrogen)

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