

MMRRC UNC – Genotyping Protocol

MMRRC Strain ID	31765
MMRRC Strain Name	B6.129S6- <i>Egfr</i> ^{tm1Dwt} /Mmnc
Gene Name(s)	Epidermal growth factor receptor (Egfr)
Breeding Protocol(s)	Backcross to C57BL/6J
Protocol Date	10/21/13

MMRRC# 31765 PCR Reaction

Thermal Cycler:

94°C for 30 sec
 60°C for 60 sec
 72°C for 60 sec
 40x

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

Bands: MUTANT: 348bp
 WT: 253bp

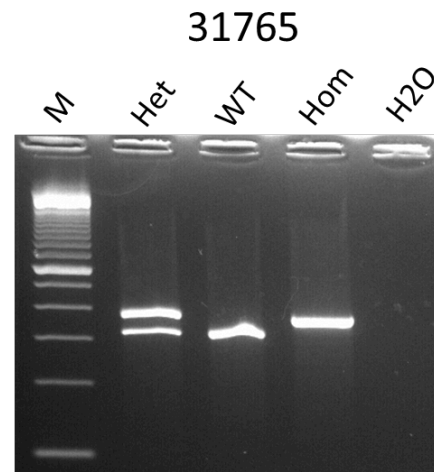
	<u>1X</u>
DNA	1.0
5X Buffer	5.0
10mM dNTPs	0.5
20 uM Primer F/R	1.0
Taq	1.0
ddH ₂ O	14.5
25mM MgCl ₂	2.0

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

Lox3 F: CTT TGG AGA ACC TGC AGA TC

Lox3 R: CTG CTA CTG GCT CAA GTT TC

Run on 2.0% agarose gel in TAE.



M: 100 bp DNA ladder (Invitrogen)