

## MMRRC UNC – Genotyping Protocol

<b>MMRRC Strain ID</b>	31766
<b>MMRRC Strain Name</b>	129S/Sv- <i>ErbB3</i> <sup>tm1.1Dwt</sup> /Mmnc
<b>Gene Name(s)</b>	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (ErbB3)
<b>Breeding Protocol(s)</b>	Backcross to 129SvEv (Taconic)
<b>Protocol Date</b>	10/21/13

### MMRRC# 31766 PCR Reaction

**Thermal Cycler:**

94°C for 30 sec  
 55°C for 60 sec  
 72°C for 60 sec  
 40x

Taq: **Apex and Chromataq 10X Buffer**

**Bands:** MUTANT: 488bp  
 WT: 354

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

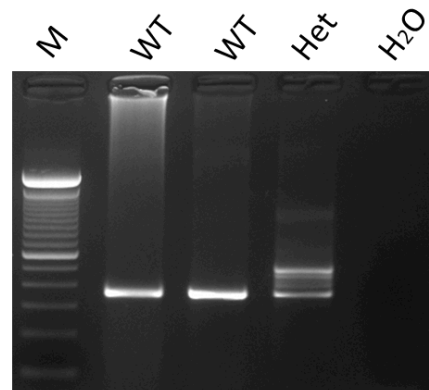
**Primer sequences 5' to 3':** Primers are 10uM with respect to each primer (20uM total).

**ErbB3 B3F:** TCC AGC GTG GAA AAG TTC AC

**ErbB3 B3R:** AAG CCT TCT CTA TGG AAA GTG

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Run on 2.0% agarose gel in TAE.



M: 100 bp DNA ladder (Invitrogen)