

## MMRRC UNC – Genotyping Protocol

<b>MMRRC Strain ID</b>	423
<b>MMRRC Strain Name</b>	B6;129- <i>Hgf</i> <sup>tm1Jmw</sup> /Mmnc
<b>Gene Name(s)</b>	Hepatocyte growth factor (HGF)
<b>Breeding Protocol(s)</b>	Intra-strain mating (homo x homo)
<b>Protocol Date</b>	10/28/13

### MMRRC #423 PCR Reaction

	<b>1X</b>
DNA	1.0
5X Buffer	5.0
10mM dNTPs	0.5
20uM Primer P1/P2	1.0
25mM MgCl <sub>2</sub>	2.0
Taq	1.0
ddH <sub>2</sub> O	14.5

Denaturing: 94°C for 45 sec  
 Annealing Temp: 55°C for 45 sec.  
 Extension: 72°C for 1 min  
 Cycles: 36

Taq: **Apex and Chromataq Buffer**

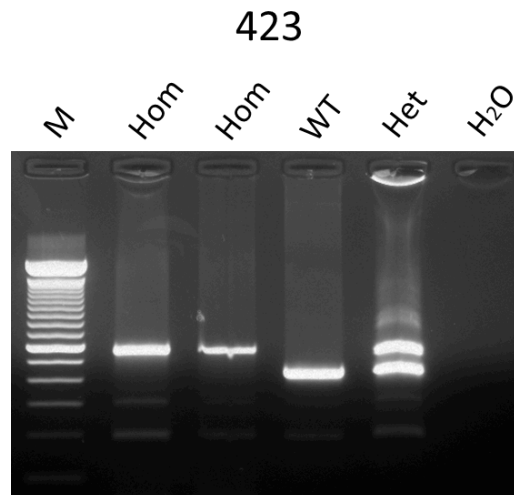
**Bands:** MUTANT: 500bp  
 WT: 430bp

**Primer sequences 5' to 3':**

**HGF F34:** TGACTACGCTGTTTCATTCAAGTGC

**HGF B21:** CCATTTCTTCAGAGGCAGATGC

Run on 2.0% agarose gel in 1X TAE.



M: 100 bp DNA ladder (Invitrogen)