

MMRRC UNC – Genotyping Protocol

MMRRC Strain ID	30915
MMRRC Strain Name	FVB/NJ-Tg(KRT14-II7a)1Tsk/Mmnc
Gene Name(s)	Keratin 14 (Krt14) Interleukin 7 (Il7)
Breeding Protocol(s)	Sib-Mating
Protocol Date	11-4-13

MMRRC# 30915 PCR Reaction

Thermal Cycler:

94°C for 30 sec
 58°C for 30 sec
 72°C for 30 sec
 35x

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

Bands: MUTANT: 500bp
 WT: no band

Primers are 10uM with respect to each primer (20uM total).

Primer sequences 5' to 3':

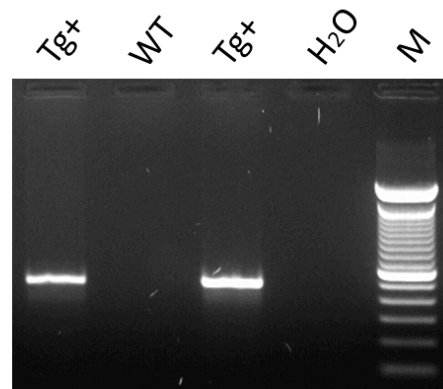
K14s: 5' TTCCACAAGGGGCTCAAACG

K14s: 3' TCAAAGAGAAATCCAGGCACCTC

Run on 2.0% agarose gel in TAE.

	1X
DNA	1.0
5X Buffer	5.0
10mM dNTPs	1.0
20 uM Primer F/R	1.0
Taq	1.0
ddH ₂ O	13.5
25mM MgCl ₂	2.0

30915



M: 100 bp DNA ladder (Invitrogen)