

MMRRC UNC – Genotyping Protocol

MMRRC Strain ID	9996
MMRRC Strain Name	FVB.Cg-Tg(KRT1-5-cre)5132Jlj/Mmnc
Gene Name(s)	Bovine keratin 5 (KRT5) Cre (Bacteriophage P1)
Breeding Protocol(s)	Backcross to FVB/N (Taconic)
Protocol Date	1/6/14

MMRRC# 9996 PCR Reaction

	1X
DNA	2.0
5X Buffer	5.0
10mM dNTPs	0.5
10 uM Primer F/R	1/1
Taq	0.5
ddH ₂ O	13.0
25mM MgCl ₂	2.0

Thermal Cycler:

95°C for 30 sec
 60°C for 30 sec
 72°C for 60 sec
 35x

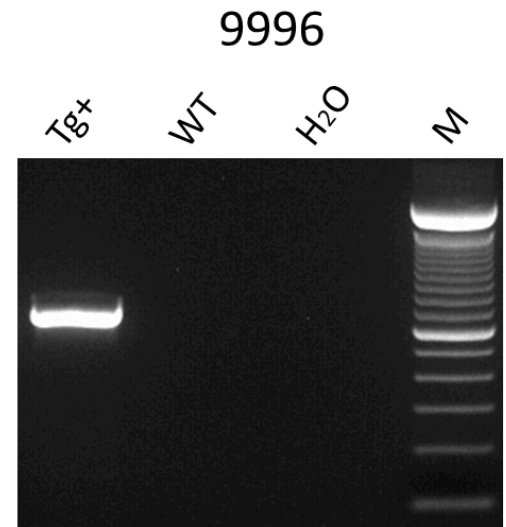
Taq: **Apex and Chromataq 5X Buffer**

Bands: MUTANT: 700bp
 WT: no band

Primer sequences 5' to 3':

K5Cre For: 5'- GCC TGC ATT ACC GGT CGA TGC AAC GA
 K5Cre Rev: 5'- GTG GCA GAT GGC GCG GCA ACA CCA TT

Run on 2.0% agarose gel in TAE.



M: 100 bp DNA ladder (Invitrogen)