

MMRRC UNC – Genotyping Protocol

MMRRC Strain ID	31070
MMRRC Strain Name	MRL/Mp.Cg-Tg(Igh-V2-12H/Igh-6)1Shc/Mmnc
Gene Name(s)	Immunoglobulin heavy chain 6 (Igh-6) Immunoglobulin heavy chain diversity region (Igh-D) Immunoglobulin heavy chain, joining region (Igh-J) Immunoglobulin heavy chain J558 family (Igh-VJ558)
Breeding Protocol(s)	Random Intra-Strain Mating (PCR can not distinguish between -/+ and -/- mice)
Protocol Date	12/9/13

MMRRC# 31070 PCR Reaction

Denaturing: 94°C for 45 sec
 Annealing Temp.: 66°C for 45 sec
 Extension: 72°C for 1 min
 Cycles: 30

Taq: **Apex and Chromataq Buffer**

Bands: Tg⁺: ~700bp

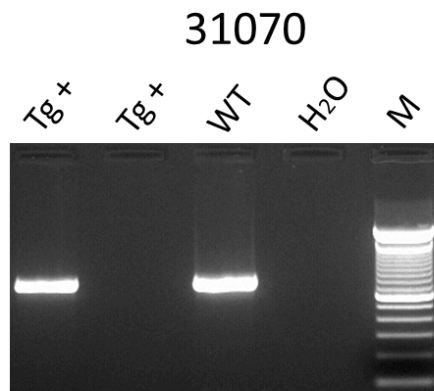
	1X
DNA	1.0
5X Buffer	10.0
10mM dNTPs	1.0
20 uM Primer 1 & 2	2.0
Taq	1.0
ddH ₂ O	32.0
25mM MgCl ₂	3.0

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

Primer #1 (5' primer): 5' GCA AGG CCA CAC TGA CTT CAG AC – 3'

Primer #2 (JH 3' Xba): 5' CAG GCT CCA CCA GAC CTC TCT AGA – 3'

Run on 2% agarose gel in TAE.



M: 100 bp DNA ladder (Invitrogen)