

MMRRC UNC – Genotyping Protocol

MMRRC Strain ID	11474
MMRRC Strain Name	STOCK Tg(CAG-Bgeo,-Fgf4)1Mrt/Mmnc
Gene Name(s)	Actin, beta (ACTB Chicken), Bgeo (E.Coli), Tg(CAG-Bgeo,-Fgf4)1Mrt, Fibroblast growth factor 4 (Fgf4)
Breeding Protocol(s)	Intra-strain Mating (homozygous lethal)
Protocol Date	6/4/12

MMRRC# 11474 PCR Reaction

	<u>1X</u>
ddH ₂ O	13
5X Buffer	5.0
25mM MgCl ₂	2
10mM dNTPs	0.5
10 uM Primer F	1
10 uM Primer R	1
Taq	0.5
DNA	2

Thermal Cycler:

94°C for 5 min
94°C for 30 sec
55°C for 30 sec
72°C for 45 sec
32x
72°C for 7 min

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

Bands: MUTANT: ~500bp
WT: No Band

Primer sequences 5' to 3':

PA: GTC TCG TTG CTG CAT AAA CC

PB: TCG TCT GCT CAT CCA TGA CC

Run on 2.0% agarose gel in TAE.