

MMRRC UNC – Genotyping Protocol

MMRRC Strain ID	1
MMRRC Strain Name	C57BL/6-Tg(Fga,Fgb,Fgg)1Unc/Mmnc
Gene Name(s)	Fibrinogen alpha chain(Fga) Fibrinogen beta chain(Fgb) Fibrinogen gamma chain(Fgg)
Breeding Protocol(s)	Backcross to C57BL/6Tac
Protocol Date	10/21/13

MMRRC# 1 PCR Reaction

	<u>1X</u>
DNA	1.0
5X Buffer	5.0
10mM dNTPs	0.5
20 uM Primer F/R	1.0
Taq	1.0
ddH ₂ O	15.0
25mM MgCl ₂	1.5

Thermal Cycler:

94°C for 45 sec

55°C for 45 sec

72°C for 60 sec

35x

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

Bands: MUTANT: 320bp
WT: no band

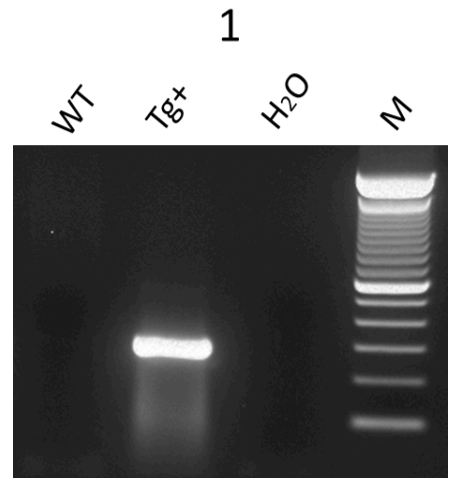
Primers are 10uM with respect to each primer (20uM total).

Primer sequences 5' to 3':

5'-GGCCGTCGACATTTAGGTGACAC

5'-AGTCAATTTGGTCACTAACCGCC

Run on 2.0% agarose gel in TAE.



M: 100 bp DNA ladder (Invitrogen)