

MMRRC UNC – Genotyping Protocol

MMRRC Strain ID	9998
MMRRC Strain Name	FVB/N-Tg(APOB)11Rub/Mmnc
Gene Name(s)	Transgene insertion 11 Tg(APOB)11Rub
Breeding Protocol(s)	Backcross to FVB/N
Protocol Date	12/9/13

MMRRC #9998 PCR Reaction

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

Thermal Cycler:

Step 1: 94°C for 5 min

Step 2: 94°C for 30 sec

Step 3: 58°C for 30 sec

Step 4: 72°C for 30 sec

Step 5: 35 x from step 2 to step 4

Step 6: 72°C for 7 min

Taq: Apex and Chromataq 5X Buffer

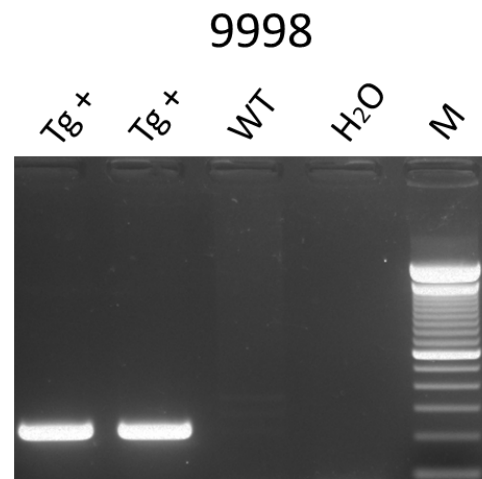
Primer sequences 5' to 3': Primers are 10 μM with respect to each primer.

ApoB-F (9998): AGAAGGTTCCAGATGTCTATGAGG

ApoB-R (9998): TCCAAGTATCTGTCTTCAAGAAACC

Bands expected: Tg⁺, 219 bp

Run on 1% agarose gel in TAE.



M: 100 bp DNA ladder (Invitrogen)