

MMRRC UNC – Genotyping Protocol

MMRRC Strain ID	36788
MMRRC Strain Name	B6.(Cg)-Tg(LANA, vFLIP, vCYC)801Dtmr/Mmnc
Breeding Protocol(s)	Sib-mating
Protocol Date	9/23/13

MMRRC #36788 PCR Reaction

Thermal Cycler:

Step 1: 94°C for 5 min
 Step 2: 94°C for 30 sec
 Step 3: 50°C for 30 sec
 Step 4: 72°C for 30 sec
 Step 5: Step 2 to 4; Cycles: 30
 Step 6: 72°C for 7 min

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

Taq: Apex and Chromataq 5X Buffer

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

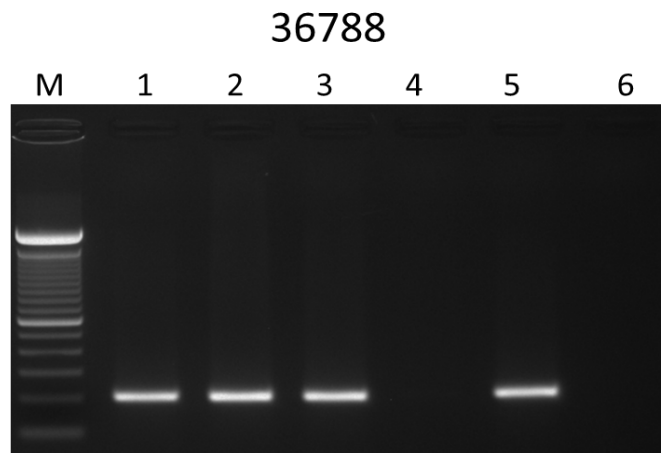
LANA78-F (36788): GGA AGA GCC CAT AAT CTT GC

LANA78-R (36788): GCC TCA TAC GAA CTC CAG GT

Bands expected:

Tg+: 203 bp
 WT: No Band

Run on 1.0% agarose gel in TAE.



Lane 1, 2, 3, 5: Tg+; Lane 4: WT; Lane 6: H₂O;
 M: 100 bp DNA ladder (Invitrogen)