

MMRRC UNC – Genotyping Protocol

MMRRC Strain ID	373
MMRRC Strain Name	B6;D2-Tg(TTR-p19Cdkn2a)2Tvd/Mmnc
Gene Name(s)	Transthyretin (Ttr), Cyclin-dependent kinase inhibitor 2A (Cdkn2a)
Breeding Protocol(s)	Backcross to B6D2F1
Protocol Date	10/14/13

MMRRC #373 PCR Reaction

	1X
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: 59°C for 30 sec
 Step 4: 72°C for 45 sec
 Step 5: 35x from step 2 to step 4
 Step 6: 72°C for 7 min

Taq: Apex and Chromataq 5X Buffer

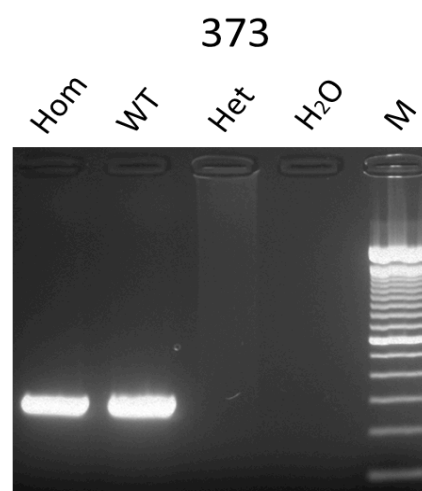
Primer sequences 5' to 3': Primers are 10 μM with respect to each primer.

TTR (373): AAAGTCCTGGATGCTGTCCGAG

Ctr-SV40 (373): CAGACATGATAAGATACATTGATG

Bands expected: Tg+ 300 bp

Run on 1% agarose gel in TAE.



M: 100 bp DNA ladder (Invitrogen)