

MMRRC UNC – Genotyping Protocol

MMRRC Strain ID	11642
MMRRC Strain Name	B6;129P2- <i>Uchl1</i> ^{tm1Dgen} /Mmnc
Gene Name(s)	ubiquitin carboxy-terminal hydrolase L1 (Uchl1)
Breeding Protocol(s)	Backcross to C57BL/6J
Protocol Date	9/1/11

MMRRC# 11642 PCR Reaction

	<u>1X</u>
DNA	1.0
5X Buffer	5.0
10mM dNTPs	1.0
30uM Primer F/R/neo	1.5
Taq	0.5
ddH ₂ O	13.5
25mM MgCl ₂	1.5

Thermal Cycler:

94°C for 45 sec

60°C for 45 sec

72°C for 60 sec

35x

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

Bands: MUTANT: 447bp

WT: 213bp

Primer sequences 5' to 3': Primers are 10uM with respect to each primer (30uM total).

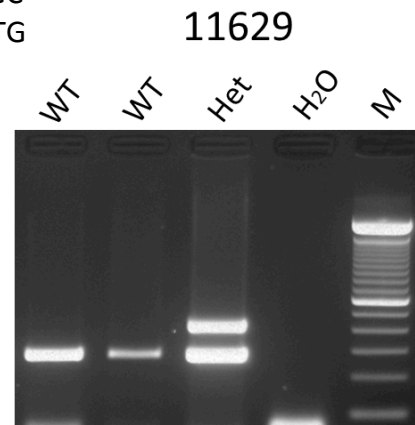
NIH1127(11629) GS1: 5': CCTTGCCTCCGCTCTATTAAGC

NIH1127(11629) GS2: 5': CTCTCCCAGACTTAAGCTGCTTTG

NIH1127(11629) Neo: 5':

GGTGGGATTAGATAAATGCCTGCTCT

Run on 2.0% agarose gel in TAE.



M: 100 bp DNA ladder (Invitrogen)