

MMRRC UNC – Genotyping Protocol

MMRRC Strain ID	30619
MMRRC Strain Name	129S- <i>Tfrc</i> ^{tm2Nca} /Mmnc
Gene Name(s)	Transferrin receptor (Tfrc)
Breeding Protocol(s)	Sib-mating (Homozygote x Homozygote)
Protocol Date	12/2/13

MMRRC# 30619 PCR Reaction

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: 292bp
 WT: 269bp

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

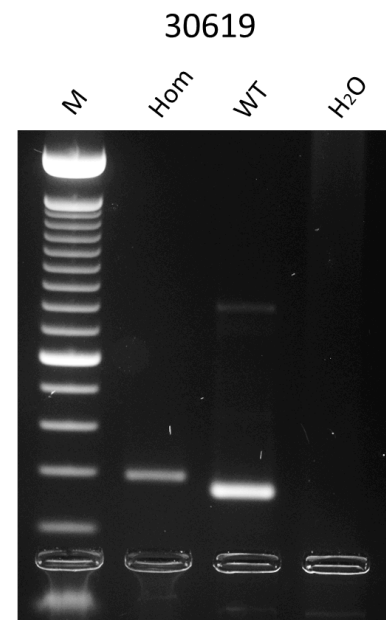
Primer sequences 5' to 3':

PS-71: AGCAGCCACATGGTTCA

L622AF: CATTGTCTCAGTTGCTG

Run on **3.0%** agarose gel in TAE.

	1X
DNA	1.0
5X Buffer	5.0
10mM dNTPs	0.5
20 uM Primer F/R	1.0
Taq	1.0
ddH ₂ O	14.5
25mM MgCl ₂	2.0



M: 100 bp DNA ladder (Invitrogen)