

MMRRC UNC – Genotyping Protocol

MMRRC Strain ID	10570
MMRRC Strain Name	B6;129S5- <i>Slc26a5</i> ^{tm1Jnz} /Mmnc
Gene Name(s)	Solute carrier family 26, member 5 (Slc26a5)
Breeding Protocol(s)	Sib-mating
Protocol Date	9/5/13

MMRRC #10570 PCR Reaction

	1X
ddH ₂ O	13
5X Buffer	5
25mM MgCl ₂	2
10mM dNTPs	0.5
10uM WT Primer	1
10uM Mut Primer	1
Taq	0.5
DNA	2

2,2 Primer Reactions: (WTFor + WTRev) for WT and (P3 + P4) for Mutant Reaction

Thermal Cycler:

94°C for 5 min
 94°C for 45 sec
 53°C for 45 sec
 72° for 60 sec
 Steps 2-4, 35x
 72°C for 7 min

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

Bands: MUTANT: ~500bp
 WT: 317bp

Primer sequences 5' to 3':

WTFor(10570): tggcttcattccttgagctt

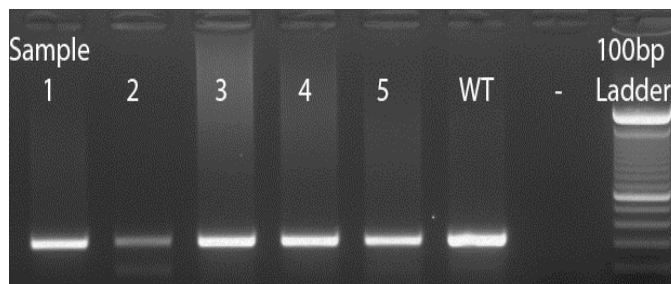
WTRev(10570): tgactctgccacacatagc

P3(10570): CTGTTGTCCAAGTGCTTGCC

P4(10570): GATCGCTATCAGGACATAGCG

Run on 2.0% agarose gel in TAE.

Wild-type reaction.



Mutant Reaction

