

MMRRC UNC – Genotyping Protocol

MMRRC Strain ID	37487
MMRRC Strain Name	B6.129P2- <i>Csad</i> ^{Gt(XP0392)Wtsi} /IbrepMmnc
Gene Name(s)	cysteine sulfinic acid decarboxylase
Breeding Protocol(s)	Sib-mating
Protocol Date	10-26-23

PCR Reaction

	1X
ddH ₂ O	10.5
5X Buffer	5
25mM MgCl ₂	2
10mM dNTPs	0.5
10uM WT Primer F/R	1/1
10uM Mut Primer F/R	1/1
Taq	1
DNA	2

Thermal Cycler:

Step 1: 94C, 5min

Step 2: 94C, 45sec

Step 3: 55C, 45sec

Step 4: 72C, 60sec

Step 2 to 4 Cycles: 35

Step 5: 72C, 7min

Bands: MUT: 682bp

WT: 354bp

Primer sequences 5' to 3':

Csad(37487)MutF: TTA TCG ATG AGC GTG GTG GTT ATG C

Csad(37487)MutR: GCG CGT ACA TCG GGC AAA TAA TAT C

Csad(37487)WT1: GGC CTT GCC ACA GGA GAT TA

Csad(37487)WT2: ACC AAC CAG AGC TGG AGA CA

Run on 2.0% agarose gel in TAE.