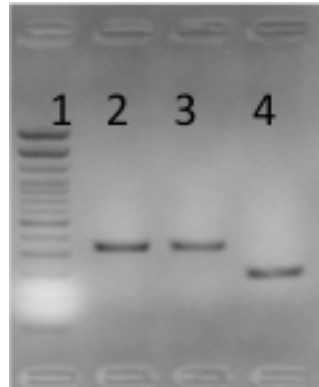


MMRRC UNC – Genotyping Protocol

MMRRC Strain ID	70957
MMRRC Strain Name	B6J.Cg- <i>Nt5e</i> ^{tm1.1Nsn} /Mmnc
Gene Name(s)	5' nucleotidase, ecto
Breeding Protocol(s)	Backcross
Protocol Date	8/14/2024

PCR Reaction

	<u>1X</u>
ddH ₂ O	12.5
5X Buffer	5
25mM MgCl ₂	2
10mM dNTPs	0.5
10uM Primer 1	1
10uM Primer 2	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: 30
 Step 5: 72C, 7min

1. 100bp Ladder (Invitrogen)
 2. Homozygous Sample
 3. Homozygous Sample
 4. Wild-type Control

Taq: Apex Taq

Bands: WT: 286bp FLOX: 426bp

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

Nt5e(70957)F AGC ACA TTT AGT TTG AAA

Nt5e(70957)R AAA CAG ACT TCT TGA TTG