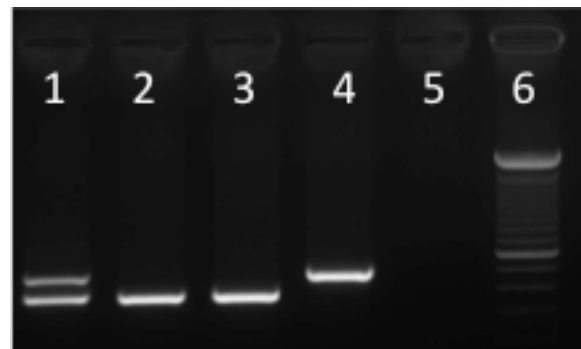


MMRRC UNC – Genotyping Protocol

MMRRC Strain ID	37093
MMRRC Strain Name	B6.129P2(Cg)-Izumo1 ^{tm1.1Salb} /Mmnc
Gene Name(s)	IZUMO1 receptor, JUNO (Izumo1r)
Breeding Protocol(s)	Intra-strain mating
Protocol Date	11/17/14

MMRRC #37093 PCR Reaction

	<u>1X</u>
ddH ₂ O	12
5X Buffer	5.0
25mM MgCl ₂	2
10mM dNTPs	0.5
10uM Primer 1	1
10uM Primer 2	1
10uM Primer 3	1
Taq	0.5
DNA	2



1. Heterozygous Sample
2. Homozygous Sample
3. Homozygous Sample
4. Wild-Type Control
5. Negative Control

Thermal Cycler:

Step 1: 94°C for 5 min

Step 2: 94°C for 30 sec

Step 3: 58°C for 30 sec

Step 4: 72°C for 45 sec

Step 2 to 4 Cycles: 35

Step 5: 72°C for 7 min

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

Bands: MUTANT: 397bp

WT: 501bp

Primer sequences 5' to 3':

Com(37093): CTTTTCCCCTGTTGGTCAGTTTG

WT(37093): gtgcgctcattcttcagatac

FolrR(37093)New: GCCTTATCCTACTGGCCCTCATC

Run on 2% agarose gel

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