

MMRRC UNC – Genotyping Protocol

MMRRC Strain ID	37340
MMRRC Strain Name	FVB/N.129P2(B6)- <i>Mex3c</i> ^{Gt(DD0642)Wtsi} /CebMmnc
Gene Name(s)	mex3c homolog C (C.elegans) [Mex3c]
Breeding Protocol(s)	Sib-mating
Protocol Date	11-5-15

MMRR #37340 PCR Reaction

Thermal Cycler:

Step 1: 94°C for 5 min

Step 2: 94°C for 30 sec

Step 3: 55°C for 30 sec

Step 4: 72°C for 45 sec

Step 2 to 4 Cycles: 35

Step 5: 72°C for 7 min

	<u>1X</u>
ddH ₂ O	13
5X Buffer	5
25mM MgCl ₂	2
10mM dNTPs	0.5
10uM Primer 1	1
10uM Primer 2	1
Taq	0.5
DNA	2

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

Bands: WT: 122bp

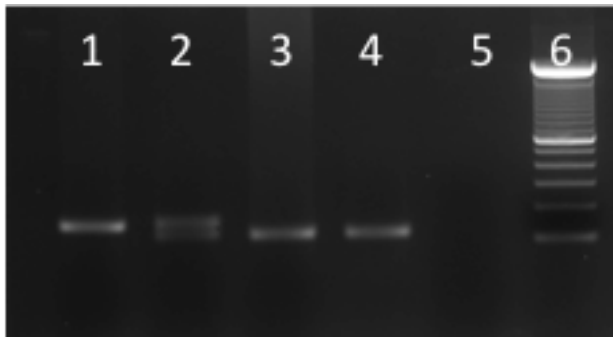
MUTANT: 146bp

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

MexFor(37340): tgggcagaagtataactaaatcca

MexRev(37340): ttcaaaccgtatgcctttcc

Run on 2% Agarose Gel



1. Homozygous Sample
2. Heterozygous Sample
3. Wild-type Sample
4. Wild-type Control
5. Negative Control
6. 100bp Marker