

MMRRC UNC – Genotyping Protocol

MMRRC Strain ID	14245
MMRRC Strain Name	B6;129S7- <i>Amhr2</i> ^{tm3(cre)Bhr} /Mmnc
Gene Name(s)	Anti-Mullerian hormone type 2 receptor (<i>Amhr2</i>)
Breeding Protocol(s)	Backcross to C57BL/6J
Protocol Date	10/7/13

MMRRC #14245 PCR Reaction

	<u>1X</u>
ddH ₂ O	13
5X Buffer	5.0
25 mM MgCl ₂	2
10 mM dNTPs	0.5
10 μM Primer F	1
10 μM Primer R	1
Taq	0.5
DNA	2

Thermal Cycler

Step 1: 94 °C for 5 min
 Step 2: 94 °C for 30 sec
 Step 3: 60 °C for 30 sec
 Step 4: 72 °C for 30 sec
 Step 5: 35x from step 2 to step 4
 Step 6: 72 °C for 7 min

Taq: Apex and Chromataq 5X Buffer

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

Amhr2-Fw8: AGGTGGGTCAGACCCAGAGCC

Amhr2-Rv9: GCATGACCTCCTTCCTGGATT

Mut-F (14245): CCGCTTCCTCGTGCTTTACGGTAT

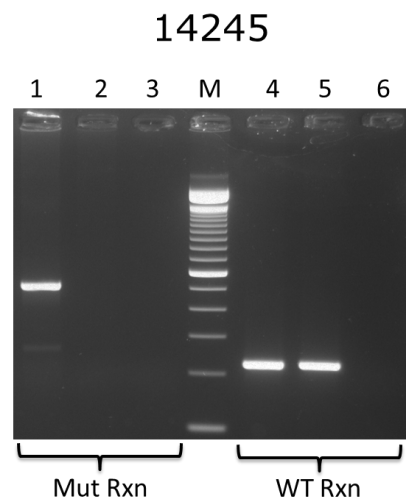
Mut-R (14245): ACCTAGTAGAGAGGCTGCGTTGAGTGTG

Bands expected:

WT: Amhr2-Fw8 + Amhr2-Rv9: 223 bp

Mut: Mut-F (14245) + Mut-R (14245): ~500 bp

Run on 2% agarose gel in TAE.



Lane 1, 4: Het; Lane 2, 5: WT; Lane 3, 6: H₂O
 M: 100 bp DNA ladder Invitrogen