

MMRRC UNC – Genotyping Protocol

MMRRC Strain ID	14113
MMRRC Strain Name	B6.129S6(SJL)- <i>Rictor</i> ^{tm1.1Mgn} /Mmnc
Gene Name(s)	RPTOR independent companion of MTOR, complex 2 (Rictor)
Breeding Protocol(s)	Backcross to C57BL/6J
Protocol Date	1/19/12

MMRRC# 14113 PCR Reaction

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

Thermal Cycler:

94°C for 30 sec

60°C for 30 sec

72°C for 30 sec

35x

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

Bands: MUTANT: 554bp

WT: 466bp

Primer sequences 5' to 3':

PiaT41 5'-ACT GAA TAT GTT CAT GGT TGT G-3'

PiaEx3 5'-GAA GTT ATT CAG ATG GCC CAG C-3'

Run on 2.0% agarose gel in TAE.