

MMRRC UNC – Genotyping Protocol

MMRRC Strain ID	31043
MMRRC Strain Name	B6;129S4- <i>Dnmt3b</i> ^{tm1Jae} /Mmnc
Gene Name(s)	DNA methyltransferase 3B (Dnmt3b)
Breeding Protocol(s)	Sib-mating
Protocol Date	10/14/13

MMRRC# 31043 PCR Reaction

Denaturing: 95°C for 30 sec
 Annealing Temp.: 55°C for 30 sec
 Extension: 72°C for 1 min
 Cycles: 35

Taq: **Apex and Chromataq Buffer**

Bands: WT: 400bp
 2 lox: 550bp

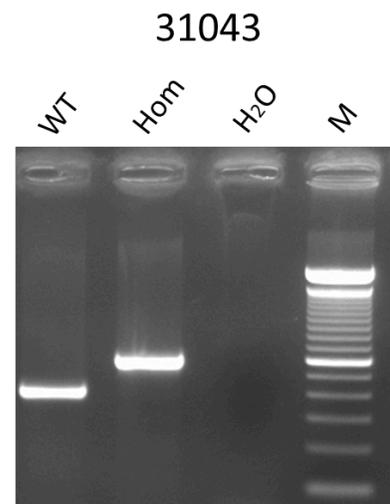
	<u>1X</u>
DNA	1.0
10X Buffer	5.0
10mM dNTPs	1.0
20 uM Primer 1 & 2	1.0
Taq	1.0
ddH ₂ O	14.0
25mM MgCl ₂	2.0

Primer sequences 5' to 3': Primers are 10uM with respect to each primer (20uM total).

3b2LOXfor: GCT GAA TTA TAC CCG CCC CAA GGA GGG CG

3b1LOXrev: CCC TTC AAA GGT GCA TCA TGG CCA GTG TGC

Run on 2% agarose gel in TAE.



M: 100 bp DNA ladder (Invitrogen)