

## MMRRC UNC – Genotyping Protocol

<b>MMRRC Strain ID</b>	11621
<b>MMRRC Strain Name</b>	B6;129P2- <i>Slc6a11</i> <sup>tm1Dgen</sup> /Mmnc
<b>Gene Name(s)</b>	solute carrier family 6 (neurotransmitter transporter, GABA), member 11 (Slc6a11)
<b>Breeding Protocol(s)</b>	Backcross to C57BL/6J
<b>Protocol Date</b>	12/7/11

### MMRRC# 11621 PCR Reaction

	<u><b>1X</b></u>
DNA	2.0
5X Buffer	5.0
10mM dNTPs	0.5
30uM Primer (P1,2,3)	1.5
Taq	0.5
ddH <sub>2</sub> O	13.5
25mM MgCl <sub>2</sub>	2.0

#### **Thermal Cycler:**

94°C for 30 sec

61°C for 30 sec

72°C for 30 sec

35x

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

**Bands:** MUTANT: 385bp

WT: 217bp

**Primer sequences 5' to 3':** Primers are 10uM with respect to each primer (30uM total).

P1 (11621): TGGCTATGCAACACAGGTGATCGAG

P2 (11621): CTGGAAACTGAACTCAGGGTGCATC

P3 (11621): GGGCCAGCTCATTCTCCCACTCAT

Run on 2.0% agarose gel in TAE.