

## MMRRC UNC – Genotyping Protocol

<b>MMRRC Strain ID</b>	11605
<b>MMRRC Strain Name</b>	B6.129P2- <i>B3gnt2</i> <sup>tm1Dgen</sup> /Mmnc
<b>Gene Name(s)</b>	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 2 (B3gnt2)
<b>Breeding Protocol(s)</b>	Backcross to C57BL/6J
<b>Protocol Date</b>	11/22/11

### MMRRC# 11605 PCR Reaction

	<b><u>1X</u></b>
DNA	2.0
5X Buffer	5.0
10mM dNTPs	0.5
30uM Primer F/R/Neo	1.5
Taq	1.0
ddH <sub>2</sub> O	15.0
25mM MgCl <sub>2</sub>	1.5

#### **Thermal Cycler:**

94°C for 30 sec

59°C for 30 sec

72°C for 45 sec

35x

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

**Bands:** MUTANT: 330bp

WT: 470bp

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

NIH1791 (11605) GS1 GCATTGTGGATCACGTCACCTATGA

NIH1791 (11605) GS2 TTGAGATGCCGGAATTACTIONGCTGC

NIH1791 (11605) Neo GGGCCAGCTCATTCTCCCACTCAT

Run on 2.0% agarose gel in TAE.