

## MMRRC UNC – Genotyping Protocol

<b>MMRRC Strain ID</b>	37366
<b>MMRRC Strain Name</b>	C57BL/6J-Tg(Thy1-Ubb)11Swi/Mmnc
<b>Gene Name(s)</b>	ubiquitin B (Ubb)
<b>Breeding Protocol(s)</b>	Backcross to C57BL6/J
<b>Protocol Date</b>	3/1/18

### MMRRC #37366 PCR Reaction

**Thermal Cycler:**

Step 1: 94°C, 5min  
 Step 2: 94°C, 30sec  
 Step 3: 60°C, 30sec  
 Step 4: 72°C, 30sec  
 Step 2 to 4 Cycles: 30  
 Step 5: 72°C, 7min

	<b>1X</b>
ddH <sub>2</sub> O	13
5X Buffer	5
25mM MgCl <sub>2</sub>	2
10mM dNTPs	0.5
10uM Primer 1	1
10uM Primer 2	1
Taq	0.5
DNA	2

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

**Bands:** WT: No Band    MUTANT: ~450bp

**Primer sequences 5' to 3':** Primers are 10uM with respect to each primer

Thy1(37366)F: TGG AGC CCA GTG ACA CCA TCG

Thy1(37366)R : TCC CCT ACC CAC CAT ACG CC

1. Tg+ Sample
2. Tg+ Sample
3. Tg+ Sample
4. Wild-type Control
5. Negative Control
6. 100bp Marker (Invitrogen)

