

MMRRC UNC – Genotyping Protocol

MMRRC Strain ID	50708
MMRRC Strain Name	C57BL/6NJ- <i>Baiap2l1</i> ^{em1(IMPC)Bay} /Mmnc
Gene Name(s)	BAI1-associated protein 2-like 1
Breeding Protocol(s)	Intra-strain Mating
Protocol Date	5/26/21

PCR Reaction

	<u>1X</u>
ddH ₂ O	12
5X Buffer	5.0
25mM MgCl ₂	2
10mM dNTPs	0.5
10uM Primer 1	1
10uM Primer 2	1
10uM Primer 3	1
Taq	0.5
DNA	2



Thermal Cycler:

Step 1: 94C, 5min
 Step 2: 94C, 45sec
 Step 3: 57C, 45sec
 Step 4: 72C, 60sec
 Step 2 to 4 Cycles: 30
 Step 5: 72C, 7min

1. Wild-type Control
 2. Heterozygous Sample
 3. Heterozygous Sample
 4. Heterozygous Sample
 5. Negative Control
 6. 100bp Ladder (Invitrogen)

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

Bands: WT: 510bp MUTANT: 392bp

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

Bai(50708)CF: aacgaaaatctgtcttgaaaagttaaa

Bai(50708)WR: TCTGTCTTCTTCTCCAGCTCA

Bai(50708)MR: ttgagagagctggggttct