

RMRC Genotyping Protocol-PCR

No.	RMRC13434	Strain Name	C57BL/6-Tg(Mbl2,-cre, CAG-emGFP)11Narl/Narl
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A. Primer

	Primer name	Sequence
1	Cre5F	CTAAACATGCTTCATCGTCGGTC
2	Cre3B	TCTGACCAGAGTCATCCTTAGCG

B. Genomic extraction :

- ☐ Phenol-Chloroform extraction
 ☐ commercial extraction kit _____
- ☒ Lysis buffer Allele-One
☐ other _____

C. Reaction Conditions

Step 1. PCR

Component	Concentration	Volume		Step	Temperature, °C	Time, sec	Number of Cycles
H ₂ O	--	10.8	μl	1	95	2min	1
PCR buffer	10x	1.5	μl	2	95	35sec	35
dNTP	10mM	0.3	μl	3	60	35sec	
Taq	5U/μl	0.3	μl	4	72	50sec	
Primer 1	20 μM(μmol/μl)	0.3	μl	5	72	10min	1
Primer 2	20 μM(μmol/μl)	0.3	μl				
gDNA	50~250 ng/ul	0.5	μl				
Total		15	μl				

The information of Taq, including company name and catalog number :

PCR Product

	Primer set		Product size	Target region
1	Cre5F	Cre3B	562 bp	
2			bp	

D. Gel Photo



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