

## RMRC Genotyping Protocol-PCR

No.	RMRC13410	Strain Name	C57BL/6- <i>Wdr19<sup>tm1Narl</sup></i> /Narl
-----	-----------	-------------	---

### A. Primer

	Primer name	Sequence
1	F1	5'-TCTCCTGGGTTCTCTTCATGGTC-3'
2	B1	5'-CGACTGACAGAATACCAGAGCCAC-3'
3	B2	5'-TGTGCAACAGAATGAGCAGACAC-3'
4	F2	5'-GAACTTCAAGCTTATAACTTCGT-3'

### B. Genomic extraction :

- Phenol-Chloroform extraction       commercial extraction kit \_\_\_\_\_  
 Lysis buffer \_\_\_\_\_       other \_\_\_\_\_

### C. Reaction Conditions

Component	Concentration	Volume	Step	Temperature, °C	Time, sec	Number of Cycles
H <sub>2</sub> O	--	μl	1			
PCR buffer	10x	μl	2			
dNTP	mM	μl	3			
Primer 1	μM(ρmol/μl)	μl	4			
Primer 2	μM(ρmol/μl)	μl	5			
DNA	--	μl	6			
Taq	U/μl	μl	7			
Mg <sup>2+</sup>	mM	μl	8			
Total		μl	9			

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

### D. PCR Product

	Primer set		Product size	Target region
1	F1	B1	488 bp	Wdr19 floxed1
2	F1	B2	524 bp	Wdr19 deleted
3	F2	B2	248 bp	Wdr19 floxed2

E. Gel Photo

