

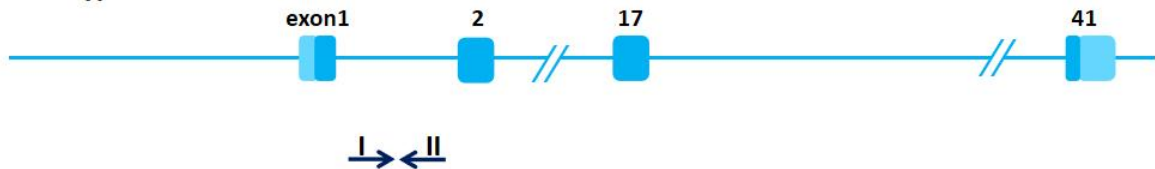
# C3-Flox Genotyping Protocol



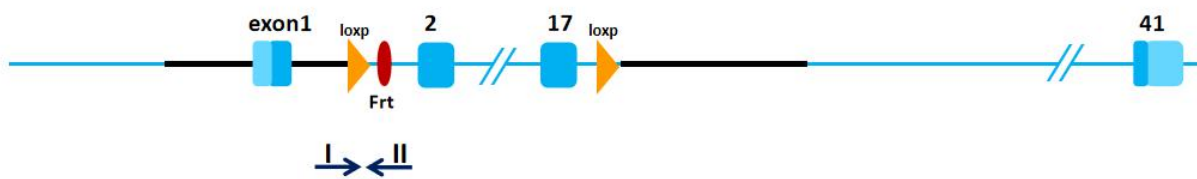
<b>Common Name</b>	C3-Flox	<b>Cat. NO.</b>	NM-CK0-2102335
<b>Strain of Origin</b>	C57BL/6J	<b>Version</b>	V1

### Genotyping strategy

Wild type allele



Targeted allele  
(Neo Removed)



→ : primer location

### Primers

Primer	Sequence (5' → 3' )	Primer type
P1	GCCCTTGTGTGGACTGTCA	Forward
P2	AGCTGTCTTTTCCTGGCTCA	Reverse

### Expected results

Results	
Genotype	<p>Wild type: P1P2 =284 bp</p> <p>Heterozygote: P1P2 =284 bp and 415 bp</p> <p>Homozygote: P1P2 =415 bp</p>

## Reaction & Cycling

PCR Reaction System	Reaction Component			Volume ( $\mu$ l)
	ddH <sub>2</sub> O			8.0
	2×Taq Plus Master Mix			10.0
	P1 (10 pmol/ $\mu$ l)			0.5
	P2 (10 pmol/ $\mu$ l)			0.5
	Genomic DNA			1.0
	Total			20
	2×Taq Plus Master Mix from Vazyme (Code Number: P222-1)			
Cycling Reaction	Step	Temp	Time	Note
	1	95° C	5 min	
	2	95° C	20 sec	
	3	60° C	20 sec	
	4	72° C	20 sec	35 repeats to 2
	5	72° C	5 min	
	6	12° C	Hold	