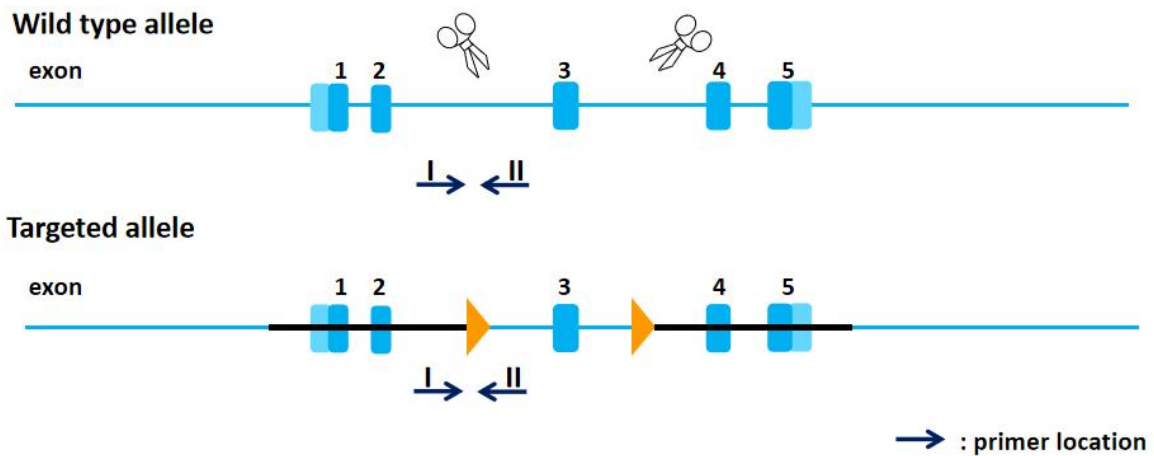


Zfp683-Flox Genotyping Protocol



Common Name	Zfp683-Flox	Cat. NO.	NM-CK0-234529
Strain of Origin	C57BL/6J	Version	V1

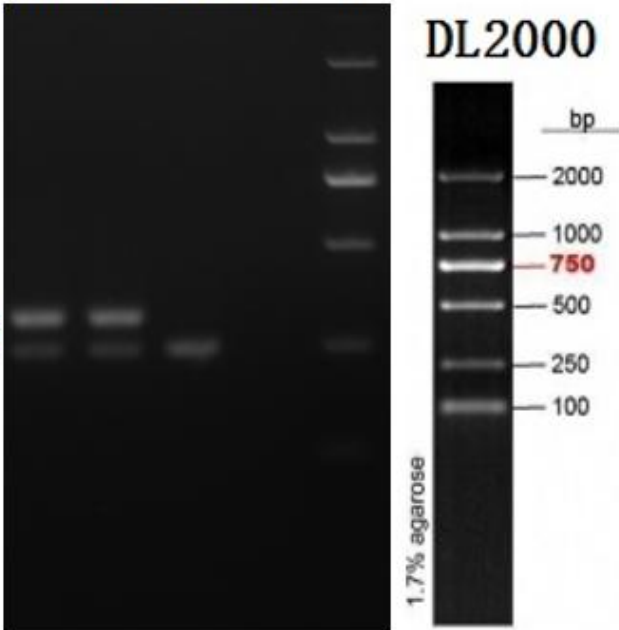
Genotyping strategy



Primers

Primer	Sequence (5' → 3')	Primer type
P1	CCCAGCGGAGAACTGAACAT	Forward
P2	AATAAAAGCCGCCAGTGTGC	Reverse

Expected results

Results	
Genotype	<p>Wild type: P1P2 =246 bp;</p> <p>Heterozygote: P1P2 =303 bp and 246 bp;</p> <p>Homozygote: P1P2 =303 bp</p>

Reaction & Cycling

	Reaction Component	Volume (μ l)
PCR	ddH2O	8.0
Reaction	2 \times Taq Plus Master Mix	10.0
System	P1 (10 pmol/ μ l)	0.5
	P2 (10 pmol/ μ 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	