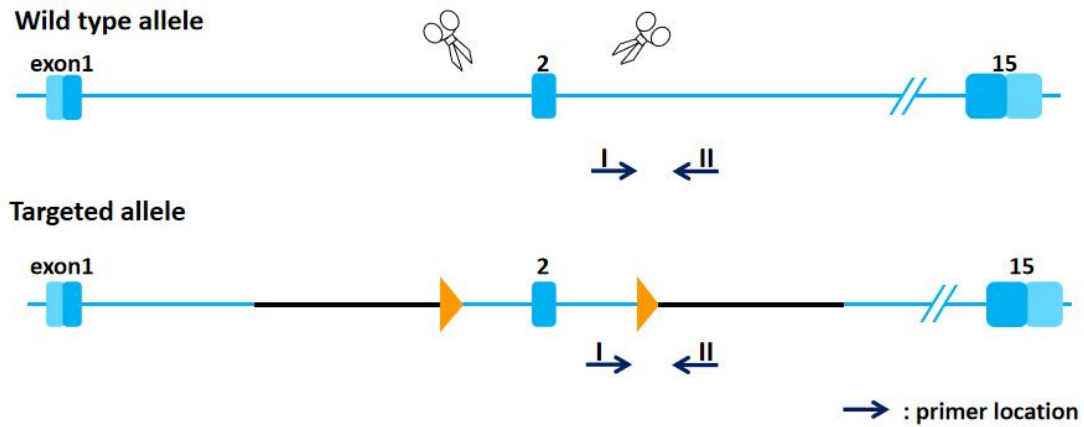


Alcam-Flox Genotyping Protocol



Common Name	Alcam-Flox	Cat. NO.	NM-CK0-230139
Strain of Origin	C57BL/6J	Version	V1

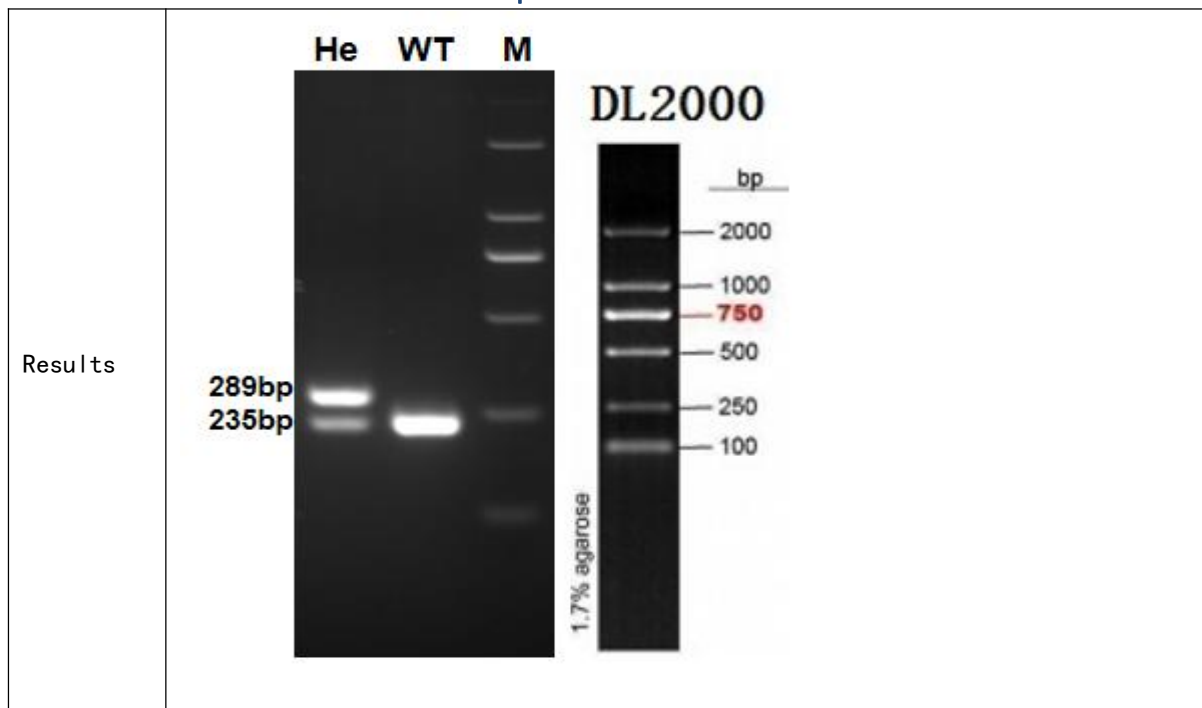
Genotyping strategy



Primers

Primer	Sequence (5' → 3')	Primer type
P1	AGGATCTGCTTTGTCTGAACCA	Forward
P2	GACCCCAACAGAGACAAGG	Reverse

Expected results



Genotype	<p>Wild type: P1P2 =235 bp; Heterozygote: P1P2 =289 bp and 235 bp; Homozygote: P1P2 =289 bp</p>
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Reaction &Cycling

PCR Reaction System	Reaction Component		Volume (μ l)	
	ddH2O		8.0	
	2 \times Taq Plus Master Mix		10.0	
	P1 (10 pmol/ μ l)		0.5	
	P2 (10 pmol/ μ l)		0.5	
	Genomic DNA		1.0	
	Total		20	
	2 \times 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	