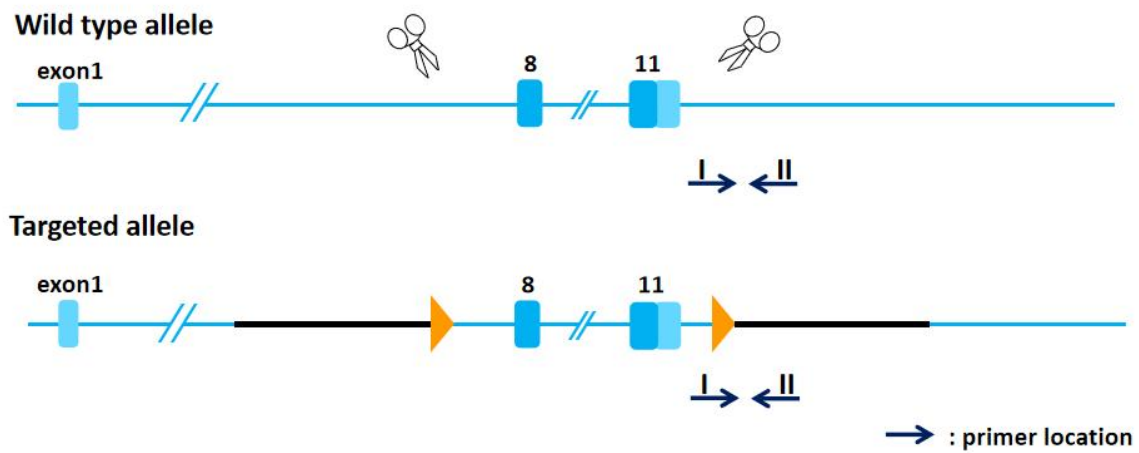


Gba-Flox Genotyping Protocol



<i>Common Name</i>	<i>Gba-Flox</i>	<i>Cat. NO.</i>	<i>NM-CKO-200051</i>
<i>Strain of Origin</i>	<i>C57BL/6J</i>	<i>Version</i>	<i>V1</i>

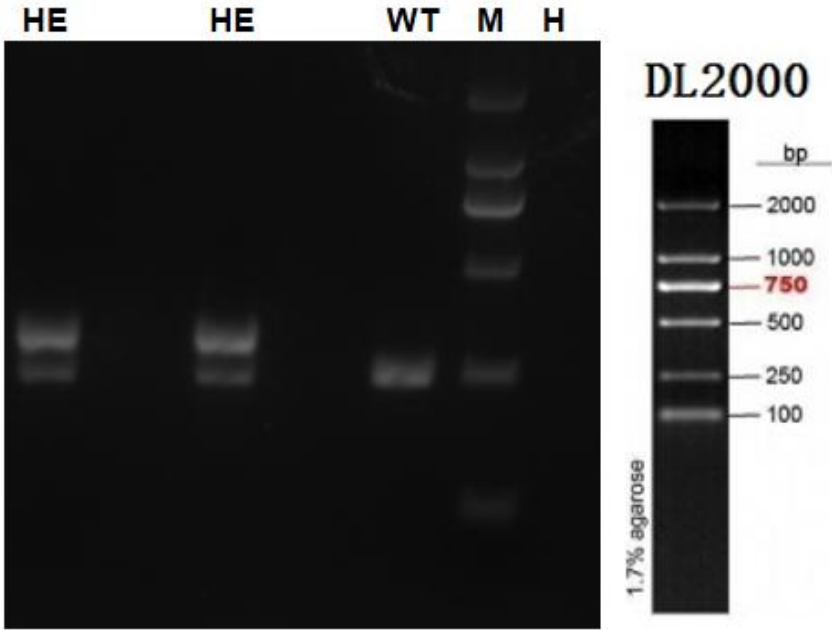
Genotyping strategy



Primers

Primer	Sequence (5'→3')	Primer type
P1	CGCTCCTGTGCTATCTGTGA	Forward
P2	GCATCCCCATCTTGTGCTTC	Reverse

Expected results

<p>Results</p>	
<p>Genotype</p>	<p>Wild type: P1P2 =249 bp; Heterozygote: P1P2 =315 bp and 249 bp; Homozygote: P1P2 =315 bp</p>

Reaction & Cycling

	Reaction Component	Volume (μ l)
PCR	ddH ₂ O	8.0
	2 × Rapid Taq Master Mix	10.0
Reaction	P1(10 pmol/ μ l)	0.5
System	P2(10 pmol/ μ l)	0.5
	Genomic DNA	1.0
	Total	20

	<i>2 × Rapid Taq Master Mix from Vazyme(Code Number: P222-01)</i>			
<i>Cycling Reaction</i>	<i>Step</i>	<i>Temp</i>	<i>Time</i>	<i>Note</i>
	<i>1</i>	<i>95°C</i>	<i>5 min</i>	
	<i>2</i>	<i>95°C</i>	<i>20 sec</i>	
	<i>3</i>	<i>60°C</i>	<i>20 sec</i>	
	<i>4</i>	<i>72°C</i>	<i>20 sec</i>	<i>35 repeats to 2</i>
	<i>5</i>	<i>72°C</i>	<i>5 min</i>	
	<i>6</i>	<i>12°C</i>	<i>Hold</i>	