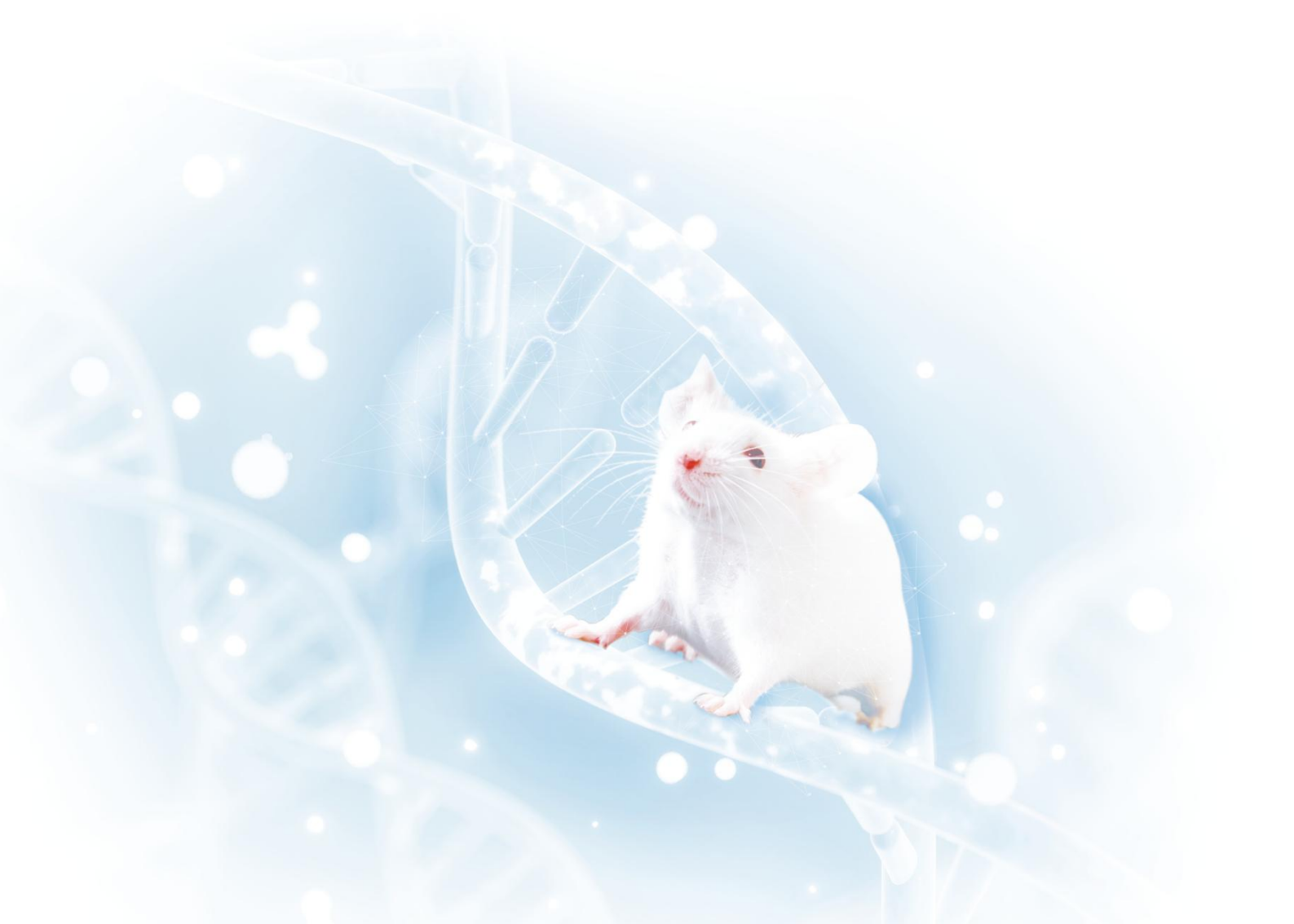


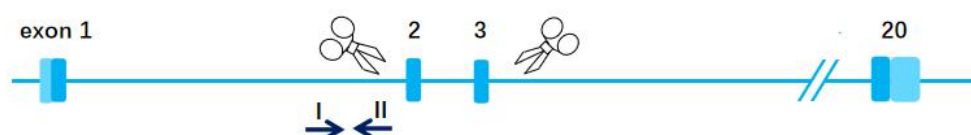
Agps-Flox Genotyping Protocol



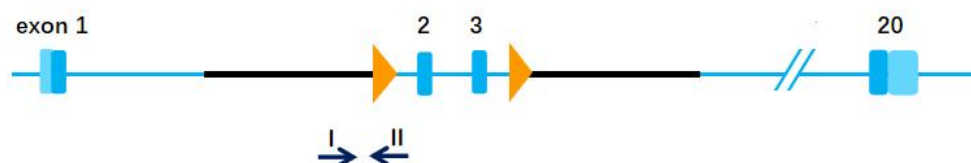
<i>Common Name</i>	<i>Agps-Flox</i>	<i>Cat. NO.</i>	<i>NM-CKO-240480</i>
<i>Strain of Origin</i>	<i>C57BL/6J</i>	<i>Version</i>	<i>V1</i>

Genotyping strategy

Wild type allele



Targeted allele

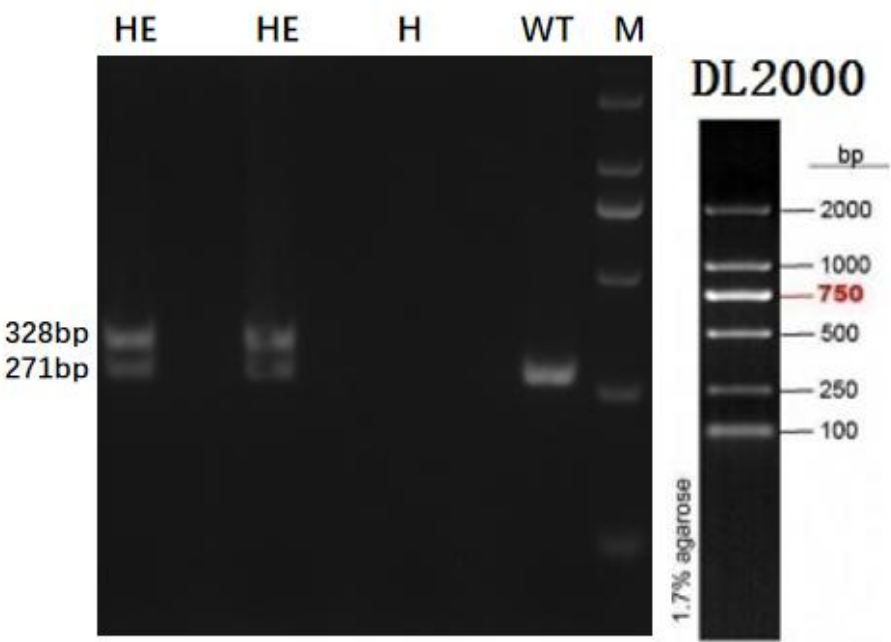


→ : primer location

Primers

<i>Primer</i>	<i>Sequence (5'→3')</i>	<i>Primer type</i>
P1	TGATCTTGGTGTTTATCTTAGTGQT	Forward
P2	TGGGATGGCTCAGAACTACTTG	Reverse

Expected results

Results	
Genotype	Wild type: P1P2 =271 bp Heterozygote: P1P2 =271 bp and 328 bp Homozygote: P1P2 =328 bp

Reaction &Cycling

	Reaction Component	Volume (μ l)
PCR Reaction System	ddH ₂ O	8.0
	2×Rapid Taq Master Mix	10.0
	P1(10 pmol/ μ l)	0.5
	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>	