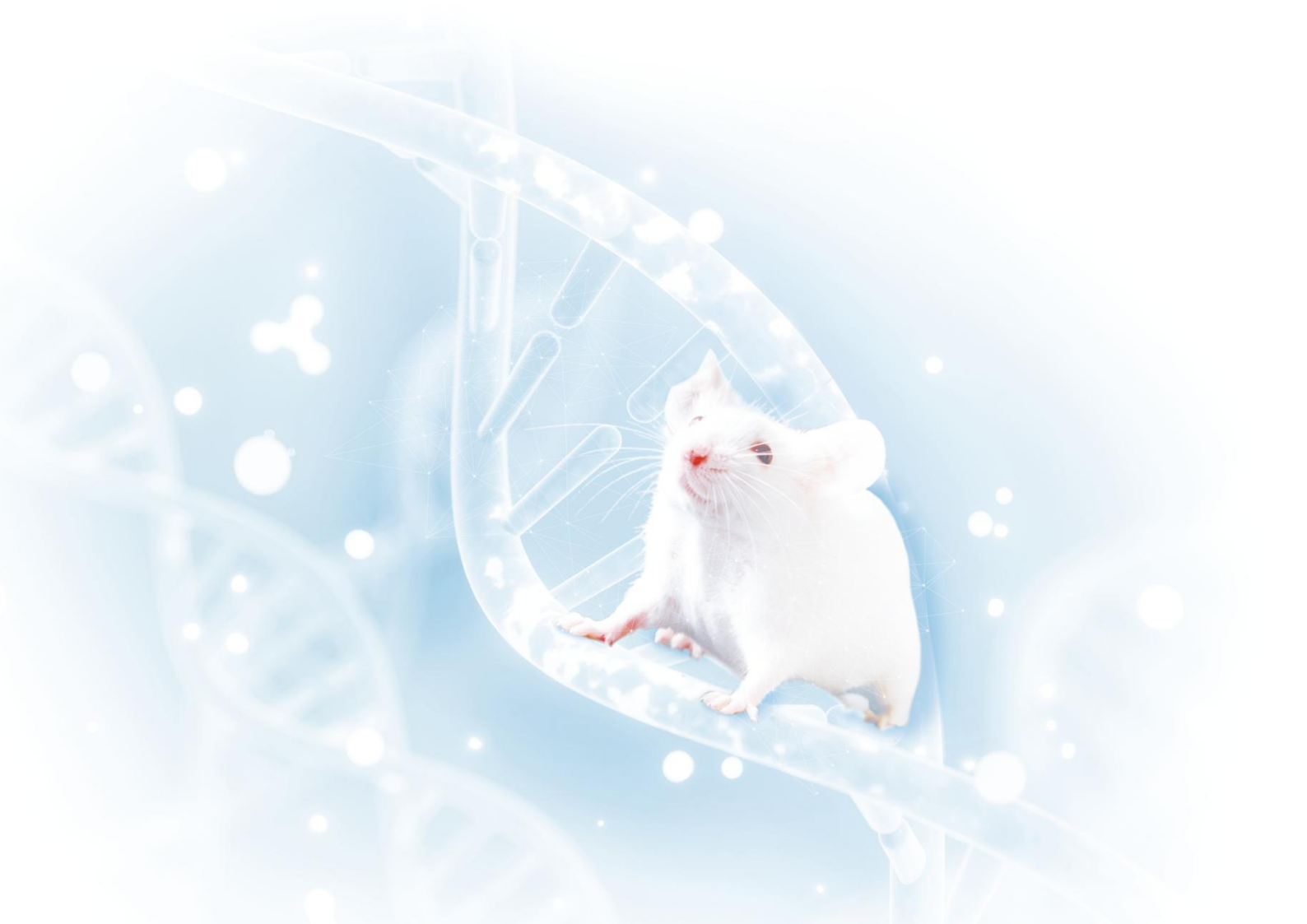
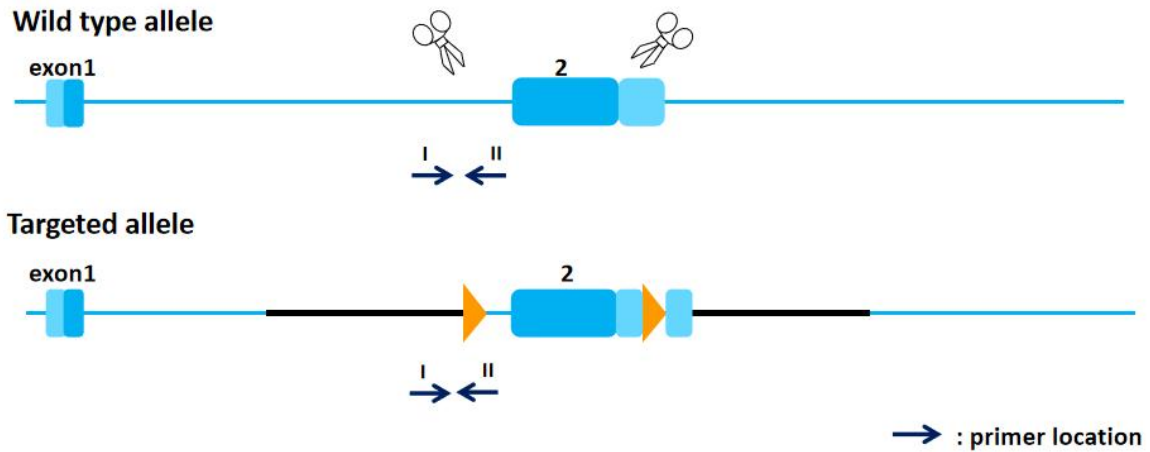


# Zswim3-Flox Genotyping Protocol



<b>Common Name</b>	Zswim3-Flox	<b>Cat. NO.</b>	NM-CKO-241153
<b>Strain of Origin</b>	C57BL/6J	<b>Version</b>	V1

### Genotyping strategy



### Primers

Primer	Sequence (5'→3')	Primer type
<b>P1</b>	AGGACTGGCTAAGCAAGCAG	Forward
<b>P2</b>	GGGAGTGGAAGGGAGCTCAT	Reverse

### Expected results

Results	
Genotype	<p>Wild type: P1P2 =250 bp;</p> <p>Heterozygote: P1P2 =304 bp and 250 bp;</p> <p>Homozygote: P1P2 =304 bp</p>

### Reaction & Cycling

PCR Reaction System	Reaction Component		Volume (μl)	
	ddH <sub>2</sub> O		8.0	
	2 × Rapid Taq Master Mix		10.0	
	P1(10 pmol/μl)		0.5	
	P2(10 pmol/μl)		0.5	
	Genomic DNA		1.0	
	Total		20	
	2 × Rapid Taq Master Mix from Vazyme(Code Number: P222-01)			
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	