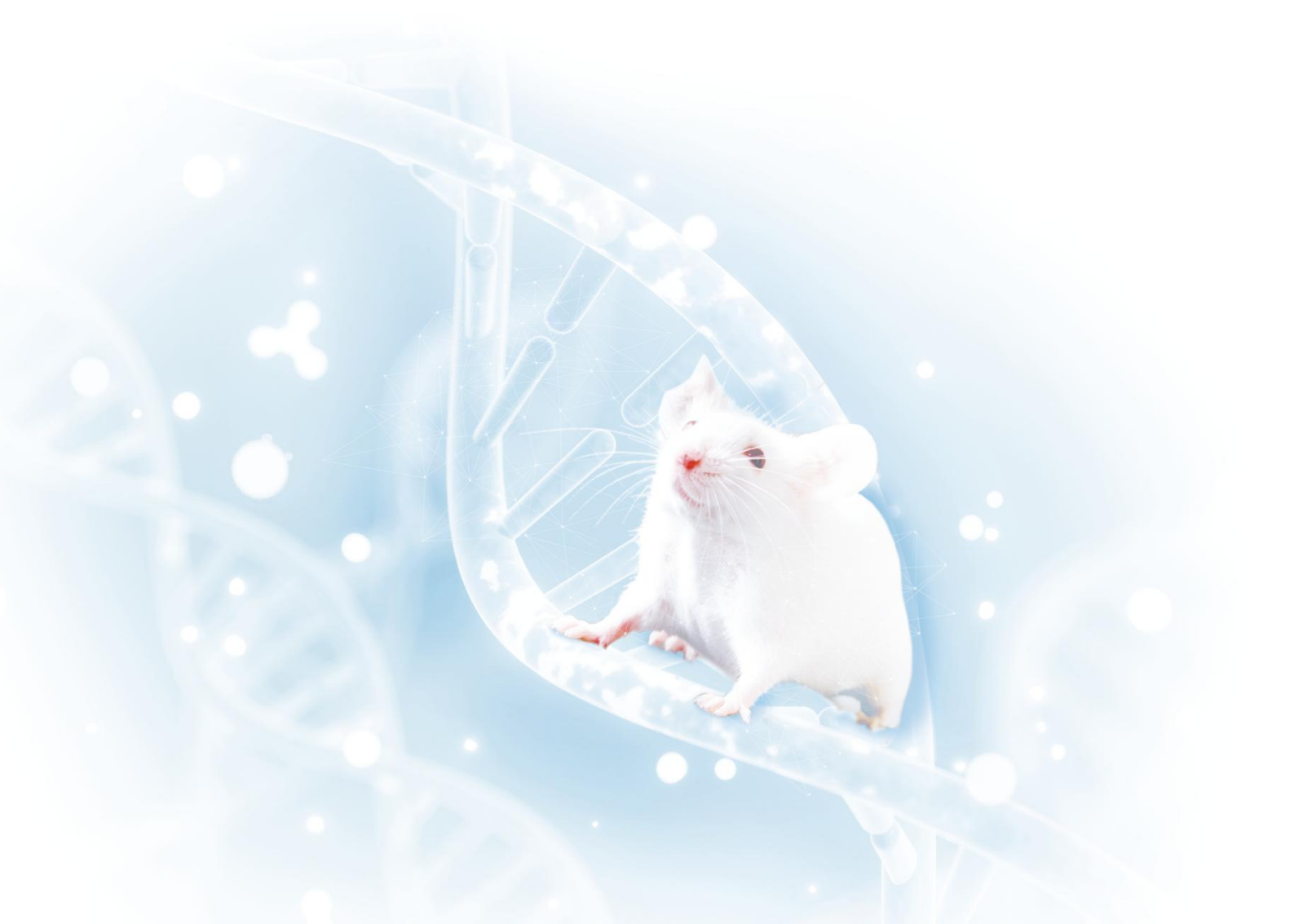


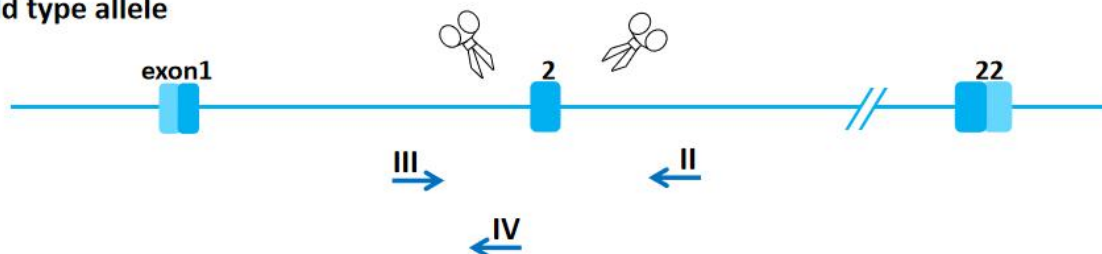
Adam9-KO Genotyping Protocol



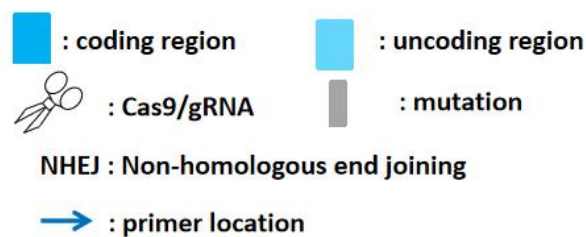
Common Name	Adam9-KO	Cat. NO.	NM-KO-232781
Strain of Origin	C57BL/6J	Version	V1

Genotyping strategy

Wild type allele



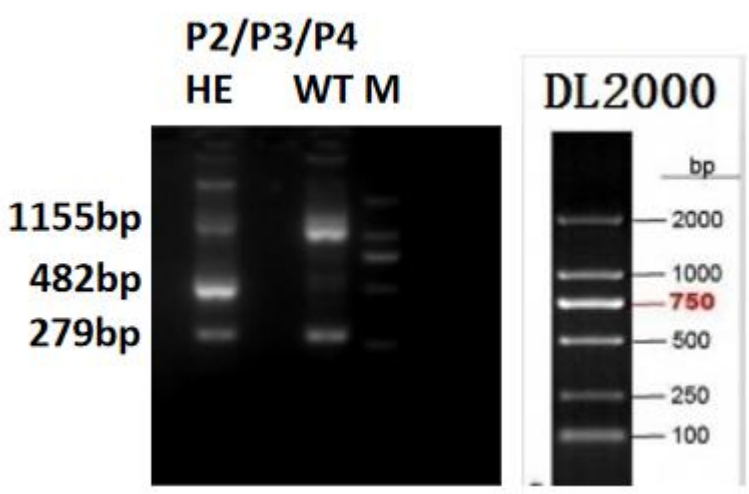
knockout allele



Primers

Primer	Sequence (5' → 3')	Primer type
P2	TGCGTACCACACATGCATCA	Reverse
P3	ATGGTGGTTTCAACTGTCTG	Forward
P4	TCCAGGATGGTTAGAGCTACA	Reverse

Expected results

Results	P2/P3/P4 HE WT M 
Genotype	Wild type: P3P2 =1155 bp; P3P4=279 bp Heterozygote: P3P2 =482 bp and 1155 bp; P3P4=279 bp Homozygote: P3P2 =482 bp

Reaction &Cycling

PCR Reaction System	Reaction Component			Volume (μl)
	ddH2O			7.5
	2×Taq Plus Master Mix			10.0
	P2(10 pmol/μl)			0.5
	P3(10 pmol/μl)			0.5
	P4(10 pmol/μl)			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	