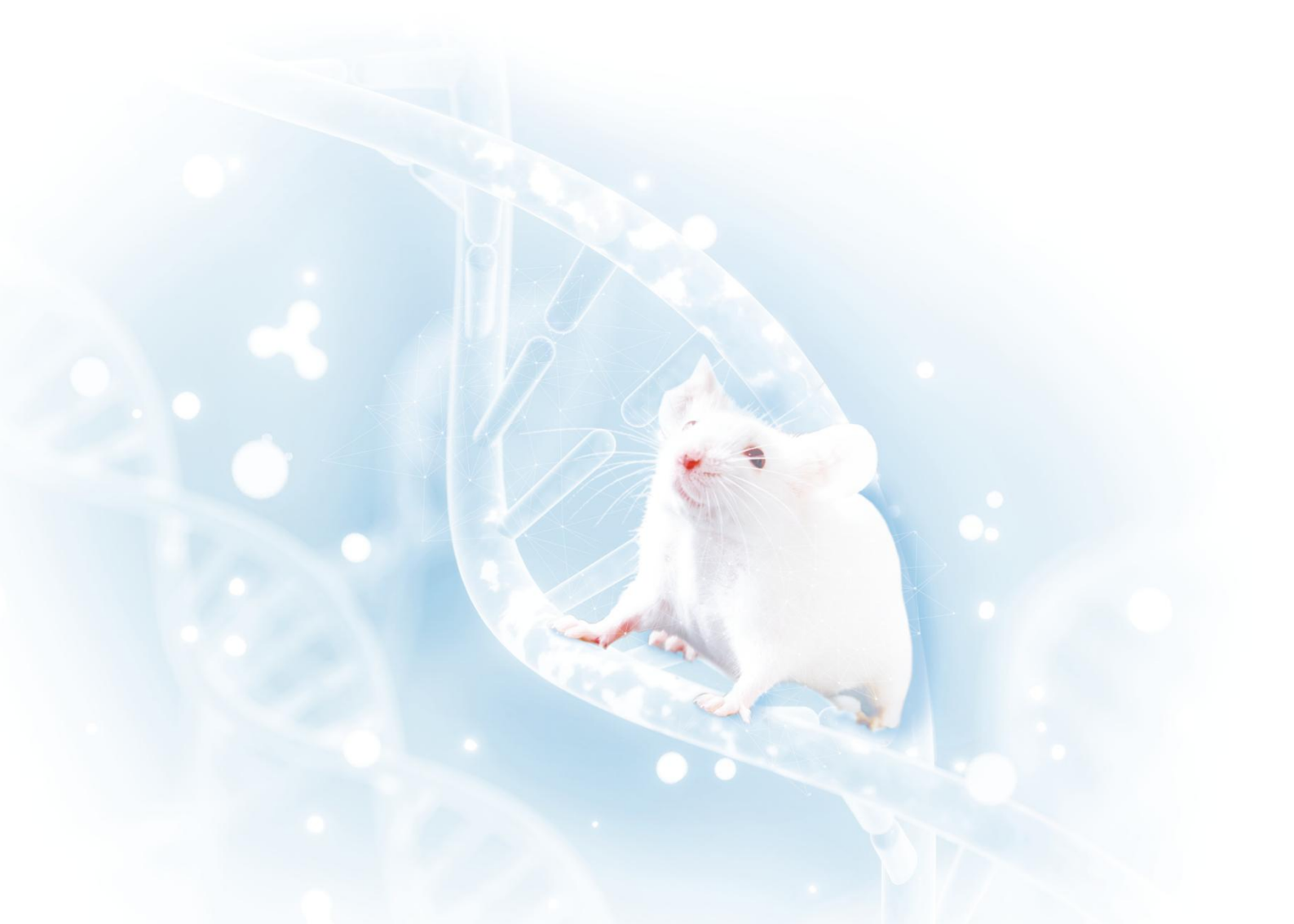
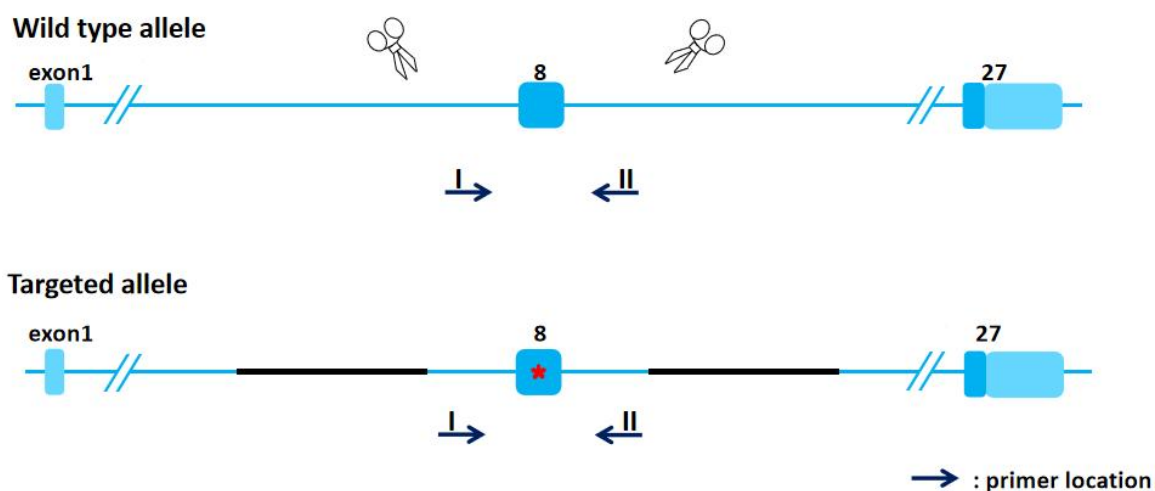


Hdac4-S245A Genotyping Protocol



Common Name	Hdac4-S245A	Cat. NO.	NM-KI-231784
Strain of Origin	C57BL/6J	Version	V1

Genotyping strategy

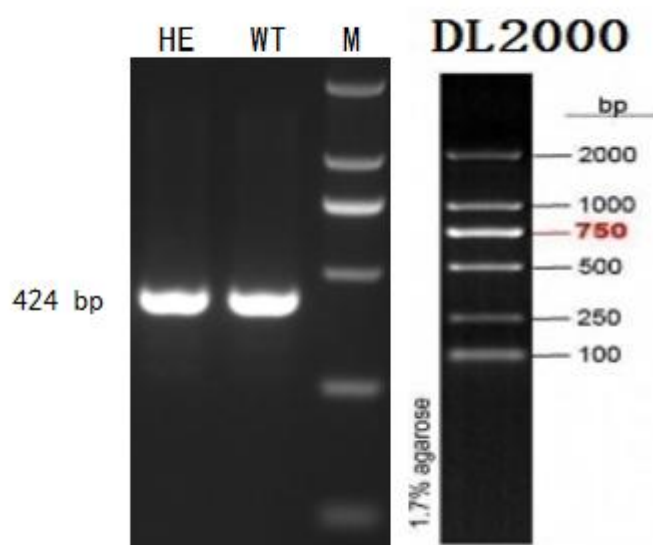


Primers

Primer	Sequence (5' → 3')	Primer type
P1	CTGCATCCACTAATGGGGCT	Forward
P2	ATGTGCATCACCCTCAGCA	Reverse
Seq primer	AGTGGAGATTTACCAGCTGT	Sequencing primer

Expected results

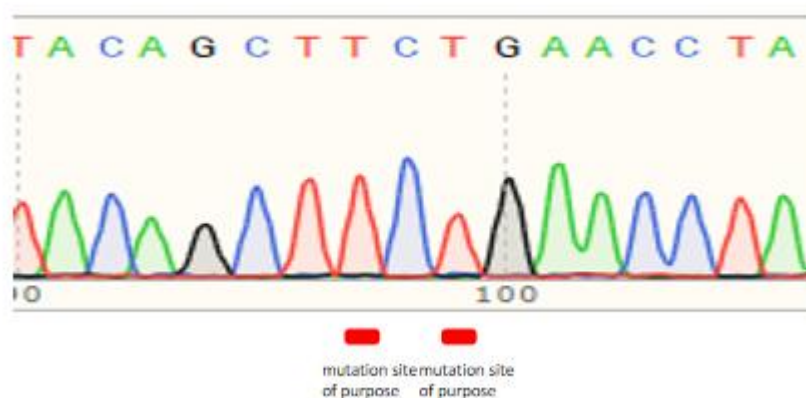
Gel result:



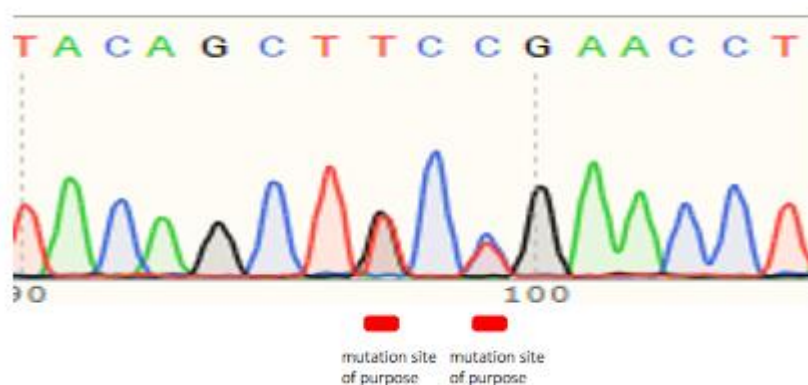
Genotype:

The PCR product should be sequencing. Sequencing peak data is for identifying homozygous, heterozygous and wild type mice.

Wild type:



Heterozygous (there are two peaks on mutant site) :



Reaction &Cycling

PCR Reaction System	Reaction Component			Volume (μl)
	ddH2O			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	