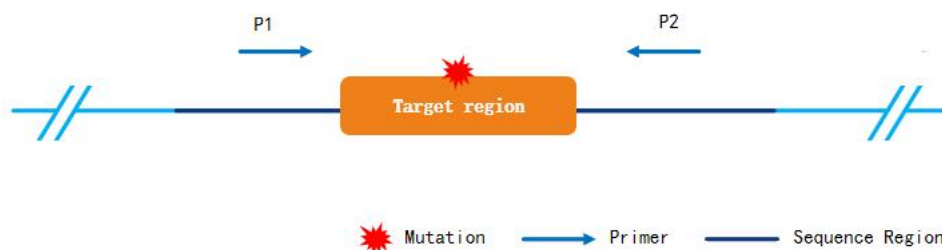


Apc-A1323* Genotyping Protocol



Common Name	Apc-A1323*	Cat. NO.	NM-KI-234116
Strain of Origin	C57BL/6J	Version	V1

Genotyping strategy

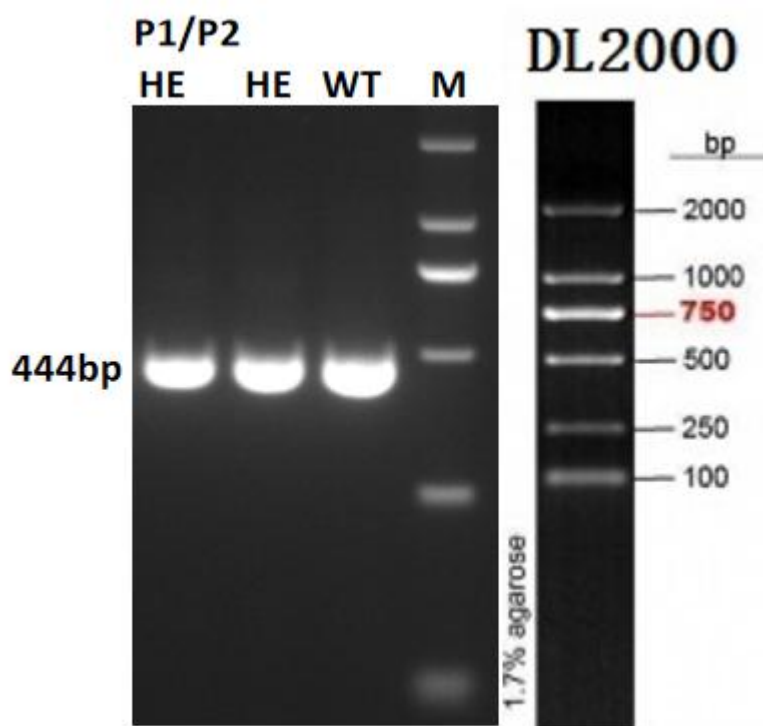


Primers

Primer	Sequence (5'→3')	Primer type
P1	AGAAACAATACAGACTTACTGCGT	Forward
P2	CTGGCAATGGAGCGACTCT	Reverse
Seq primer	TAGAAGACACCCCAATATGT	Sequencing primer

Expected results

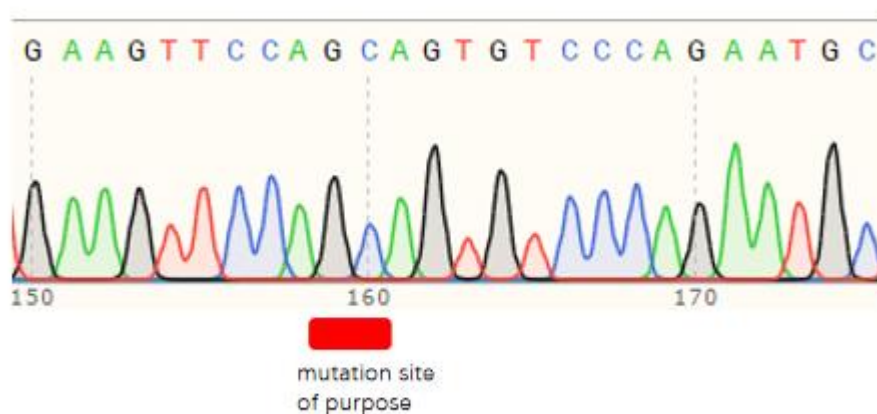
Gel result:



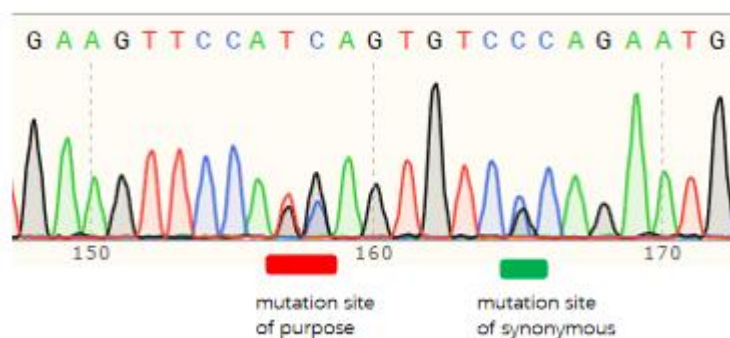
Genotype:

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)
	ddH ₂ 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	