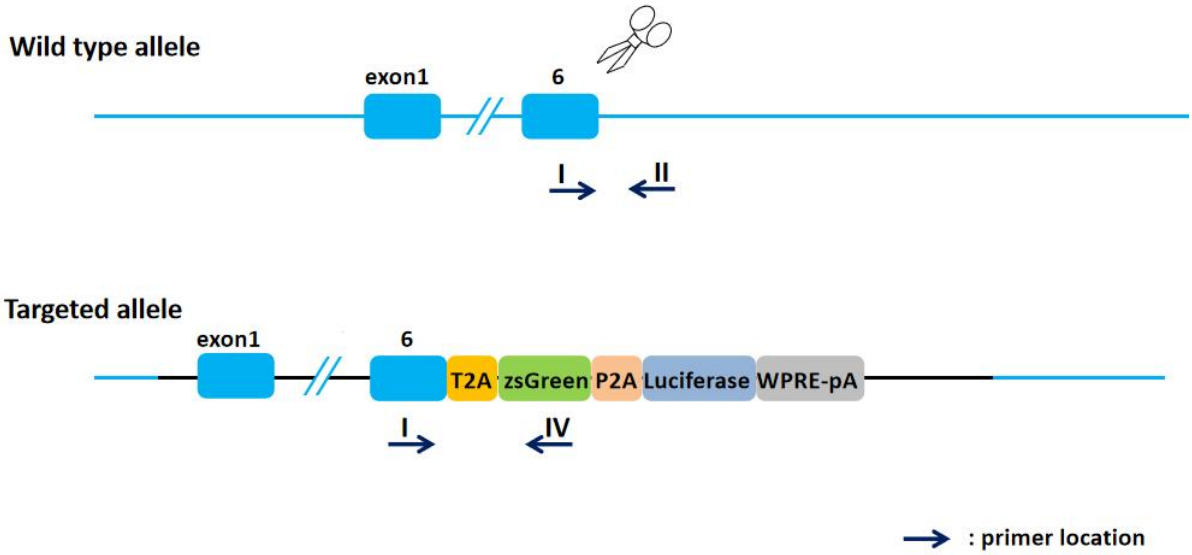
SHANGHAI MODEL ORGANISMS

Editing Genes, Decoding the Mystery of Life

Cd68-2A-zsGreen-2A-Luc Genotyping Protocol

Common Name	Cd68-2A-zsGreen-2A-Luc	**Cat. NO.**	NM-KI-240468
Strain of Origin	C57BL/6J	**Version**	V1

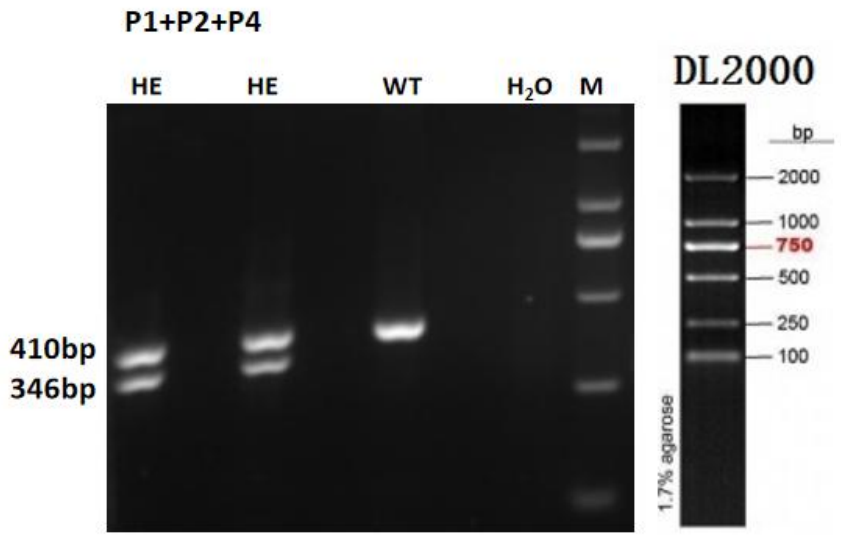
Genotyping strategy



Primers

Primer	Sequence (5'→3')	Primer type
P1	TGCCTCTCATCATTGGCCTG	Forward
P2	TCTTGCCAGCTGTCTCTTGG	Reverse
P4	GACAAGATGTCCTCGGCGAA	Reverse

Expected results

Results	
Genotype	Wild type：P1P2 =410 bp Heterozygote：P1P2 =410 bp；P1P4=346 bp Homozygote：P1P4 =346 bp

Reaction &Cycling

PCR Reaction System	Reaction Component	Volume (μl)
	ddH2O	7.5
	2×Rapid Taq Master Mix	10.0
	P1(10 pmol/μl)	0.5
	P2(10 pmol/μl)	0.5
	P4(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	