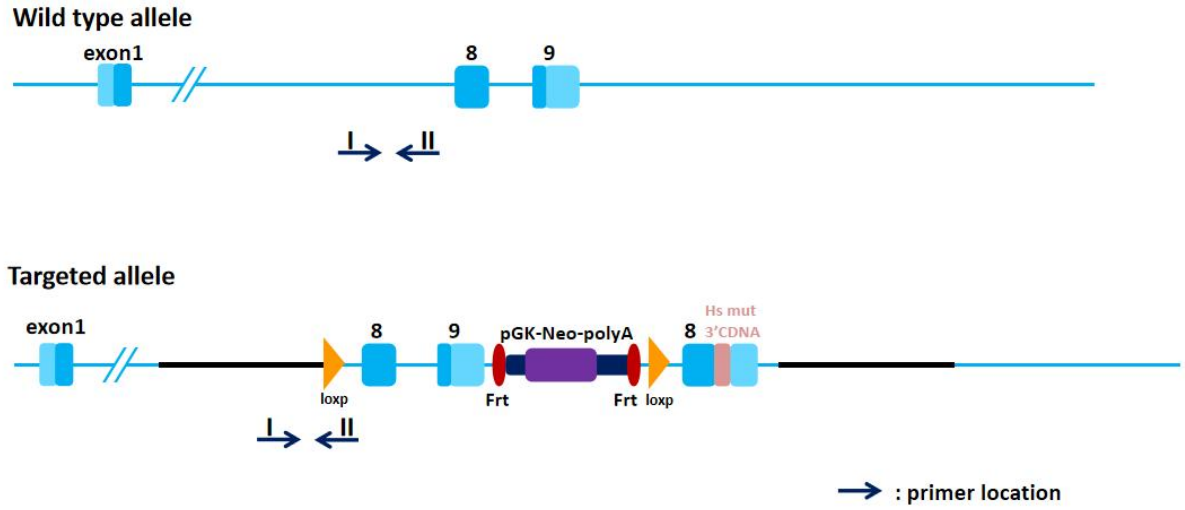
SHANGHAI MODEL ORGANISMS

Editing Genes, Decoding the Mystery of Life

Calr-del-flox Genotyping Protocol

Common Name	Calr-del-flox	**Cat. NO.**	NM-KI-231939
Strain of Origin	C57BL/6J	**Version**	V1

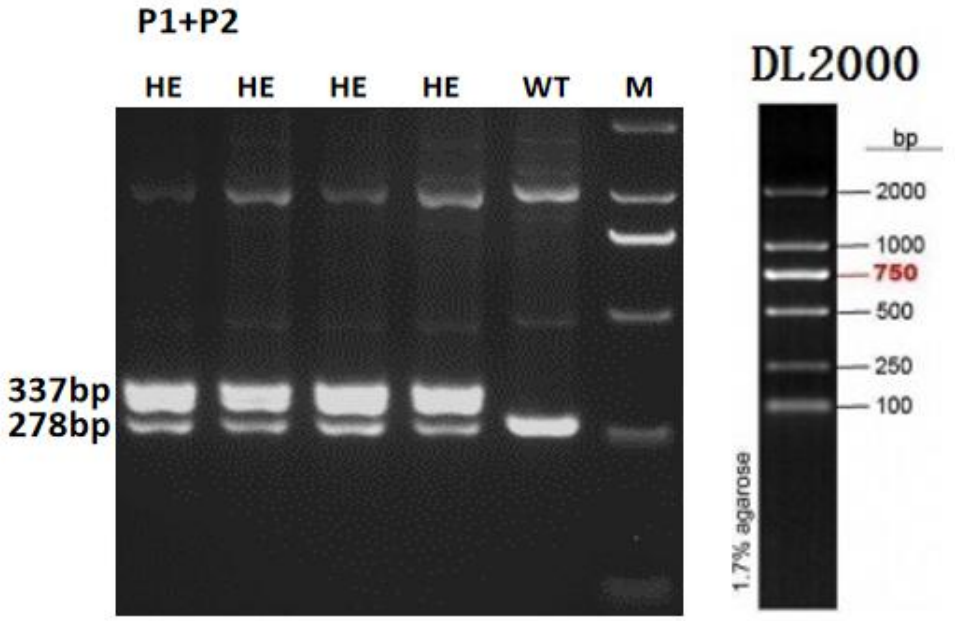
Genotyping strategy



Primers

Primer	Sequence (5' →3')	Primer type
P1	AATGCTCCCAGGATCACAGC	Forward
P2	CAAAATGTGTGGGGCAGCAG	Reverse

Expected results

Results	
Genotype	Wild type: P1P2 =278 bp Heterozygote: P1P2 =337 bp and 278 bp Homozygote: P1P2 =337 bp

Reaction &Cycling

PCR Reaction System	Reaction Component	Volume (μl)
	ddH20	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)	

	Step	Temp	Time	Note
Cycling Reaction	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	