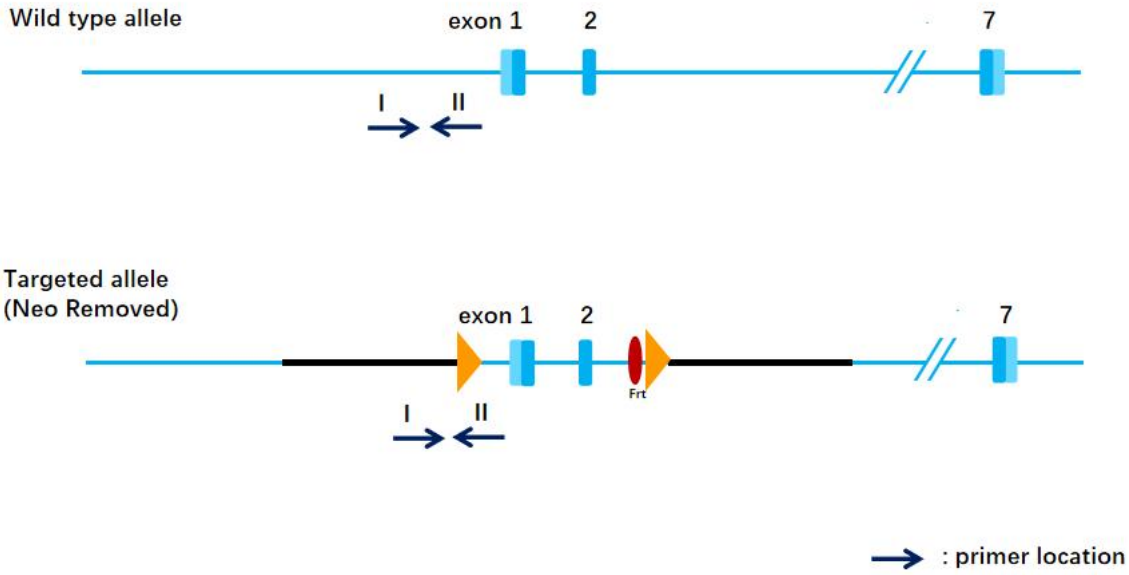
SHANGHAI MODEL ORGANISMS

Editing Genes, Decoding the Mystery of Life

Vsig4-Flox Genotyping Protocol

Common Name	Vsig4-Flox	Cat. NO.	NM-CKO-231340
Strain of Origin	C57BL/6J	Version	V1

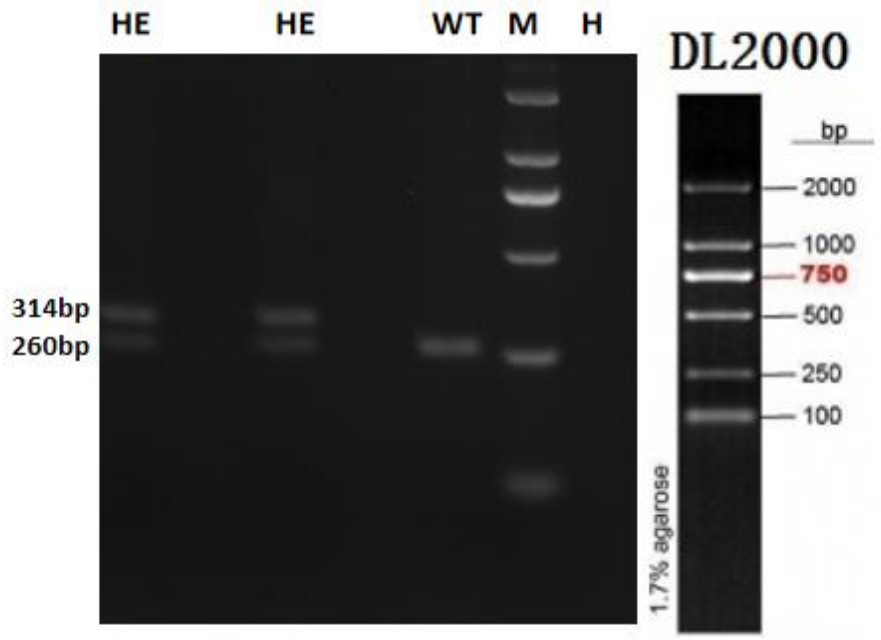
Genotyping strategy



Primers

Primer	Sequence (5'→3')	Primer type
P1	AAGGGCACAACCCTTGAGAT	Forward
P2	ACCTCACTGTTATGCTTGCTT	Reverse

Expected results

Results	
Genotype	Wild type: P1P2 =260 bp Heterozygote: P1P2 =260 bp and 314 bp Homozygote: P1P2 =314 bp

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)	

	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	