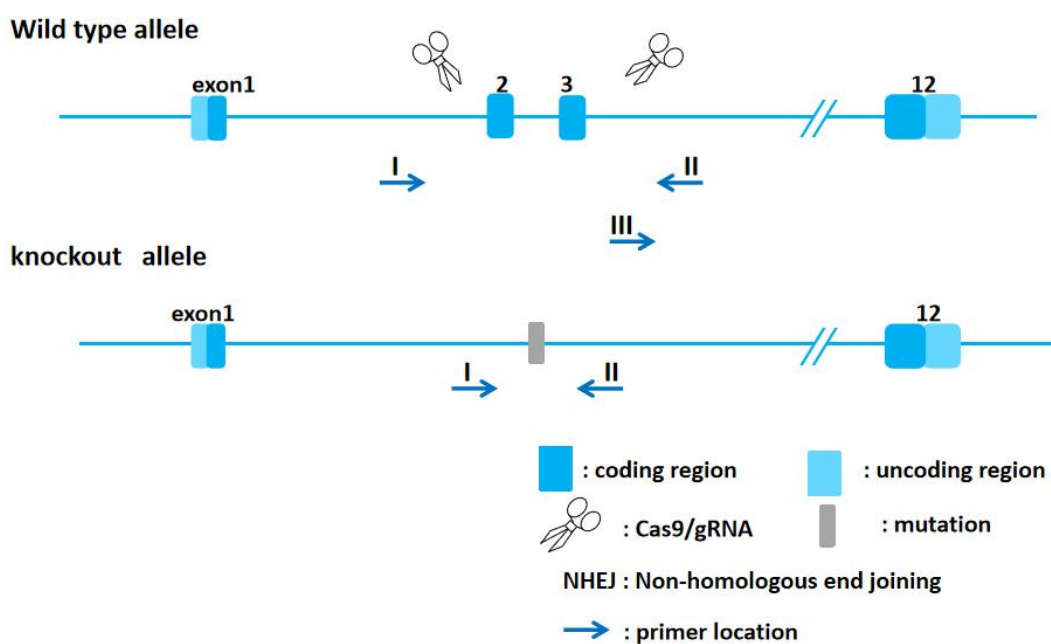


Acat1-KO Genotyping Protocol



Common Name	Acat1-KO	Cat. NO.	NM-KO-232915
Strain of Origin	C57BL/6J	Version	V1

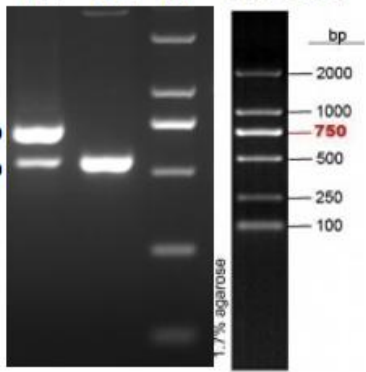
Genotyping strategy



Primers

Primer	Sequence (5' →3')	Primer type
P1	CTCTTCACTTCAGACTGTGCTTCC	Forward
P2	TGACATTGCCCATGTAGACTTCC	Reverse
P3	GTGGTTGAACTGTTTTGGTATTGAG	Forward

Expected results

Results	P1P2P3 HE WT M DL2000  701 bp 534 bp bp 2000 1000 750 500 250 100 1.7% agarose
Genotype	Wild type: P3P2=534 bp Heterozygote: P1P2 =701 bp; P3P2=534 bp Homozygote: P1P2 =701 bp

Reaction & Cycling

PCR Reaction System	Reaction Component			Volume (μl)
	ddH2O			7.5
	2×Taq Plus Master Mix			10.0
	P1(10 pmol/μl)			0.5
	P2(10 pmol/μl)			0.5
	P3(10 pmol/μl)			0.5
	Genomic DNA			1.0
	Total			20
	2×Taq Plus Master Mix from Vazyme(Code Number: P222-1)			
Cycling	Step	Temp	Time	Note
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	