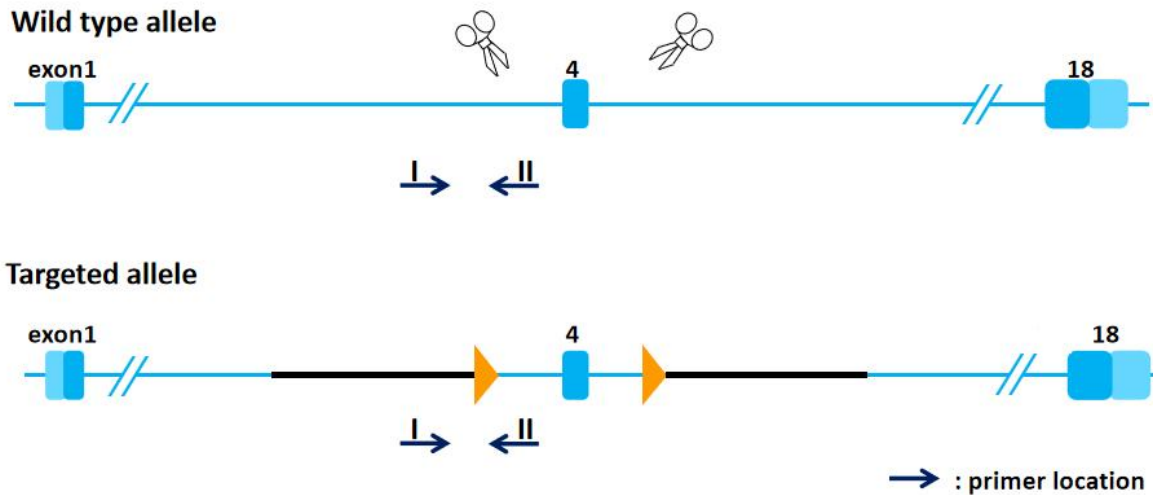


Wdr70-Flox Genotyping Protocol



Common Name	Wdr70-Flox	Cat. NO.	NM-CK0-234425
Strain of Origin	C57BL/6J	Version	V1

Genotyping strategy



Primers

Primer	Sequence (5' →3')	Primer type
P1	CCTGCTTGCCTTTTGGGAAC	Forward
P2	ACAGAGCTGGGTCTCATCCT	Reverse

Expected results

Results	<p>HE HE WT H M</p> <p>DL2000</p> <p>bp</p> <p>2000</p> <p>1000</p> <p>750</p> <p>500</p> <p>250</p> <p>100</p> <p>323bp</p> <p>264bp</p> <p>1.7% agarose</p>
Genotype	<p>Wild type: P1P2 =264 bp</p> <p>Heterozygote: P1P2 =323 bp and 264 bp</p> <p>Homozygote: P1P2 =323 bp</p>

Reaction &Cycling

PCR Reaction System	Reaction Component			Volume (μ l)
	ddH ₂ O			8.0
	2 \times Taq Plus Master Mix			10.0
	P1 (10 pmol/ μ l)			0.5
	P2 (10 pmol/ μ l)			0.5
	Genomic DNA			1.0
	Total			20
	2 \times Taq Plus Master Mix from Vazyme (Code Number: P222-1)			
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	