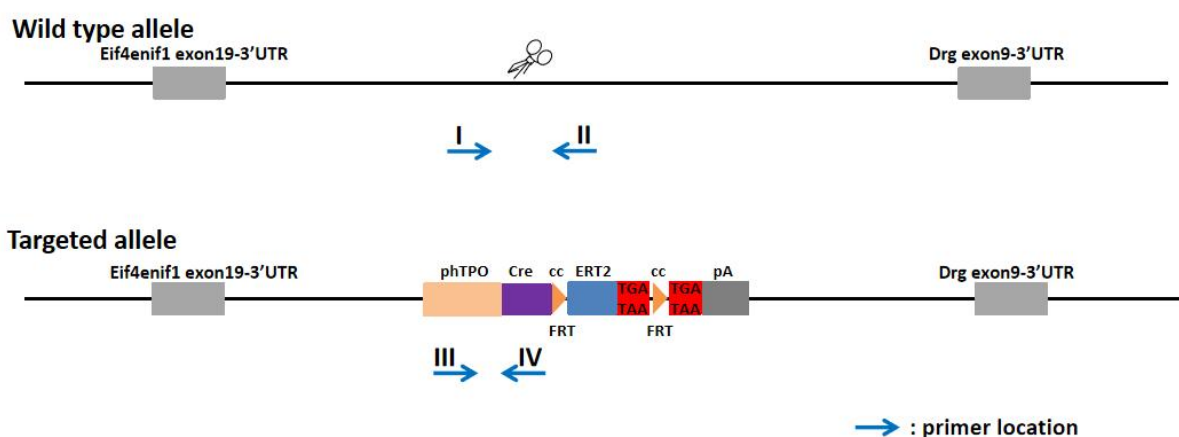


H11-phTP0-Cre-ERT2 (BALB/c) Genotyping Protocol



Common Name	H11-phTP0-Cre-ERT2 (BALB/c)	Cat. NO.	NM-KI-234653
Strain of Origin	BALB/c	Version	V1

Genotyping strategy



Primers

Primer	Sequence (5' → 3')	Primer type
P1	TTAATCCAGCCTGACTCCAATA	Forward
P2	CTGCCCTTACCTTACTACCACTGT	Reverse
P3	TTCTGTCCCCACGAAGAACG	Forward
P4	CGCGCGCCTGAAGATATAGA	Reverse

Expected results

Results	P1+P2 HE WT M 567bp DL2000 dna marker (3% Agarose) 2,000 bp 1,000 bp 750 bp 500 bp 250 bp 100 bp P3+P4 HE HE HE HE WT M 367bp DL2000 bp 2000 1000 750 500 250 100 1.7% agarose
Genotype	Wild type: P1P2=567 bp; Heterozygote: P1P2=567 bp; P3P4=367 bp Homozygote: P3P4=367 bp

Reaction &Cycling

PCR Reaction System	Reaction Component			Volume (μl)
	ddH2O			8.0
	2×Rapid Taq Master Mix			10.0
	P1 (10 pmol/μl) or P3 (10 pmol/μl)			0.5
	P2 (10 pmol/μl) or 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	