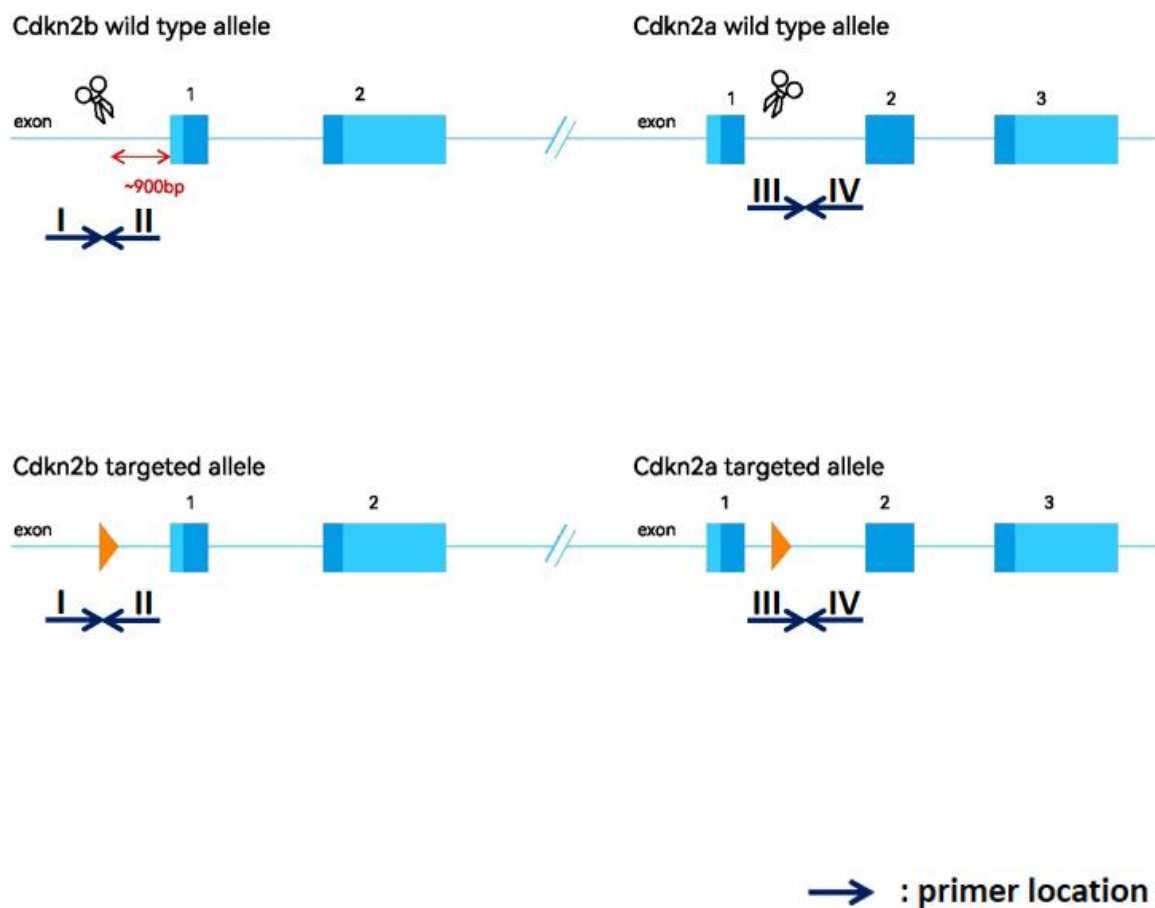


Cdkn2a/Cdkn2b-Flox Genotyping Protocol



Common Name	Cdkn2a/Cdkn2b-Flox	Cat. NO.	NM-CKO-235093
Strain of Origin	C57BL/6J	Version	V1

Genotyping strategy



Primers

Primer	Sequence (5'→3')	Primer type
P1	GCCCAGAGTTGTTTGGCAAC	Forward
P2	TAACACTCGGGTGTGGTGC	Reverse
P3	CCCATCTGCAGTCGGGTAA	Forward
P4	AAACCGATGTTCTTTTCTTCAGC	Reverse

Expected results

Results	
Genotype	P1+P2 Wild type: P1P2 =221 bp Heterozygote: P1P2 =221 bp and 255 bp Homozygote: P1P2 =255 bp P3+P4 Wild type: P3P4 =393 bp Heterozygote: P3P4 =393 bp and 427 bp Homozygote: P3P4 =427 bp

Reaction &Cycling

PCR Reaction System	Reaction Component			Volume (μl)
	ddH ₂ O			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	