

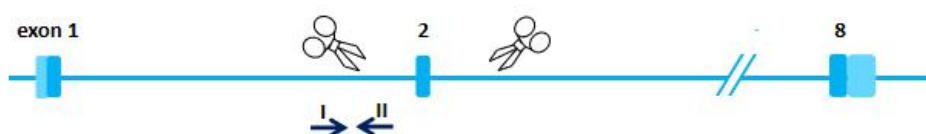
Tmx4-Flox Genotyping Protocol



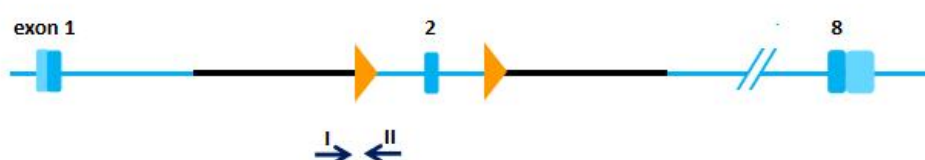
Common Name	<i>Tmx4-Flox</i>	Cat. NO.	<i>NM-CKO-240327</i>
Strain of Origin	<i>C57BL/6J</i>	Version	V1

Genotyping strategy

Wild type allele



Targeted allele



→ : primer location

Primers

Primer	Sequence (5'→3')	Primer type
P1	TGTTTCTTTCTCTGCAGGCTC	Forward
P2	TGTGCCATTACTAGCCAAGCC	Reverse

Expected results

Results	
Genotype	Wild type: P1P2 =276bp; Heterozygote: P1P2 =330 bp and 276 bp; Homozygote: P1P2 =330 bp

Reaction &Cycling

PCR Reaction System	Reaction Component	Volume (μ l)
	ddH ₂ O	8.0
	2 × Rapid Taq 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 × 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	