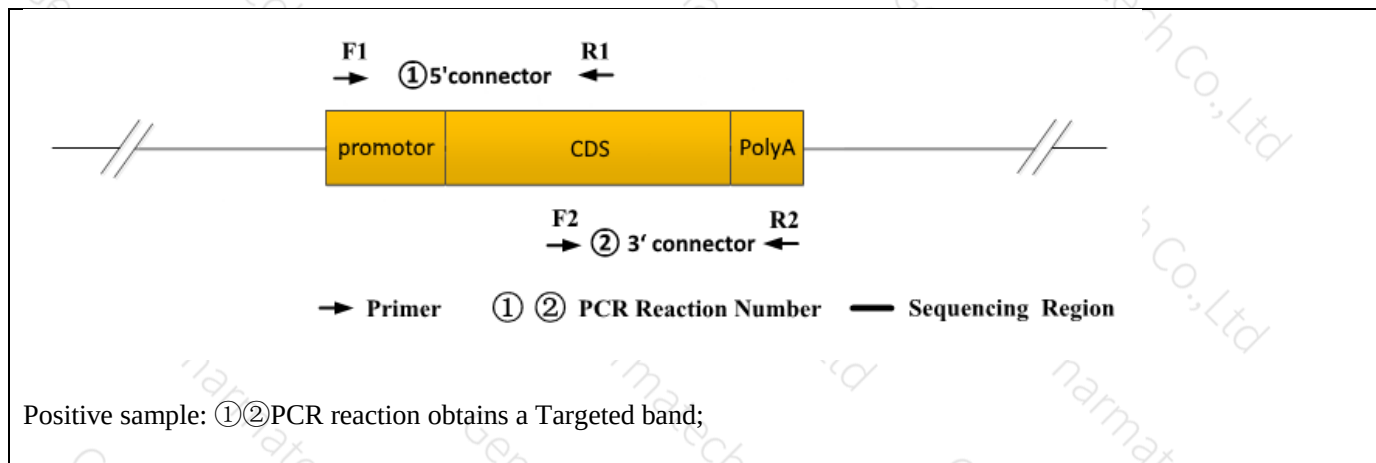


Genotyping Report

Strain ID	T014859	Strain Type	TG	Genetic Background	C57BL/6JGpt
Designer	Tianjiao Wang	Gene Name	<i>Opn1mw-iCre</i>		

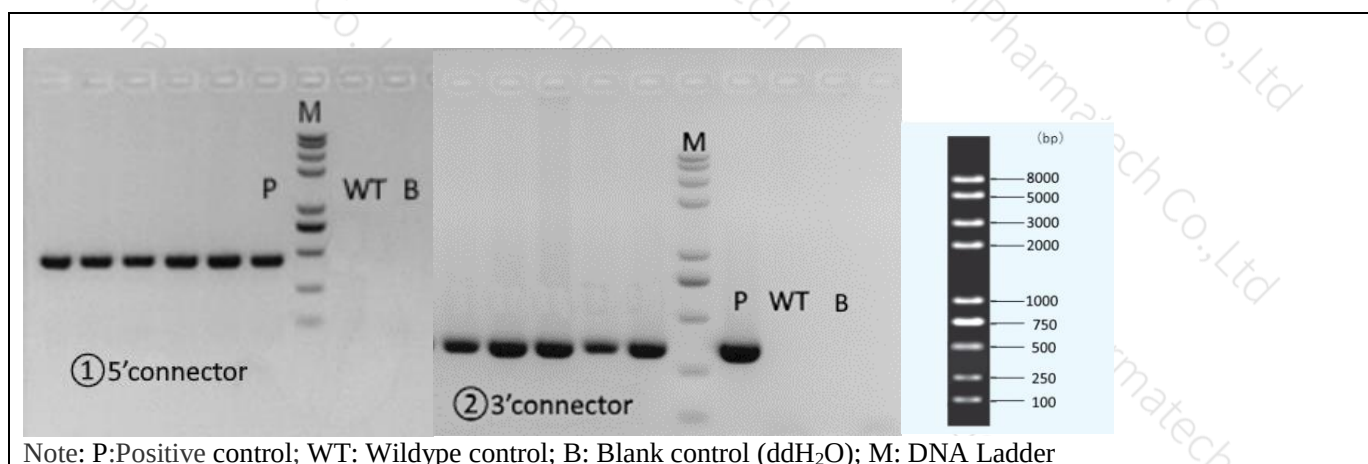
1. Strategy of Genotyping



2. Primer Information

PCR No.	Primer No.	Sequence	Band Size
① 5'connector	T014859-F1	CCACAAGCCCTACTGCAAGCCAG	WT: 0bp Targeted: 466bp
	T014859-R1	AGCCCAGGATCTGCACACAGA	
② 3'connector	T014859-F2	CAAGGATGACTCTGGGCAGAG	WT: 0bp Targeted: 350bp
	T014859-R2	AGCCAGAAGTCAGATGCTCAAG	

3. Gel Image & Conclusion



4. PCR Condition

PCR Reaction Component			
Seg.	reaction component		Volume (μl)
1	2 × Taq Master Mix , Dye Plus, (Vazyme P112-03)		12.5
2	ddH2O		9.5
3	Primer A(10pmol/μl)		1
4	Primer B(10pmol/μl)		1
5	Template(≈100ng/μl)		1
PCR program			
Seg.	Temp.	Time	Cycle
1	95℃	5min	20×
2	98℃	30s	
3	65℃（-0.5℃/cycle）	30s	
4	72℃	45s	
5	98℃	30s	20×
6	55℃	30s	
7	72℃	45s	
8	72℃	5min	
9	10℃	hold	