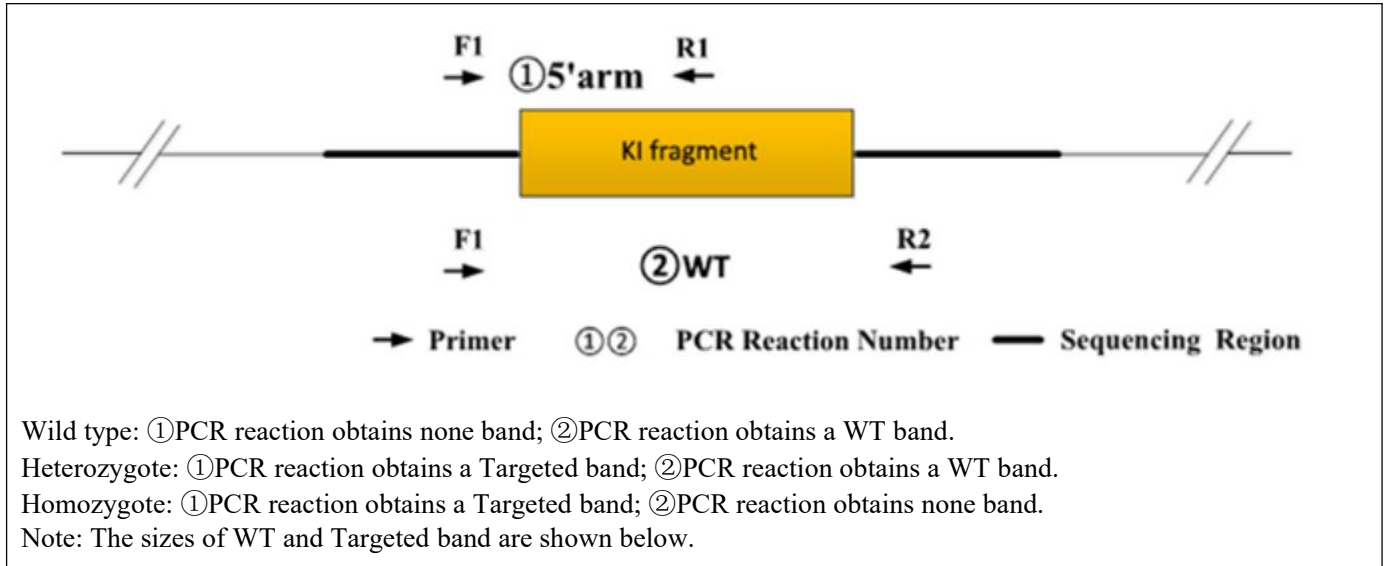


Genotyping Report

Strain ID	T006948	Strain Type	KI(Cas9)	Genetic Background	C57BL/6JGpt
Designer	Dongdong Zhang	Gene Name	<i>Cd19;iCre</i>		

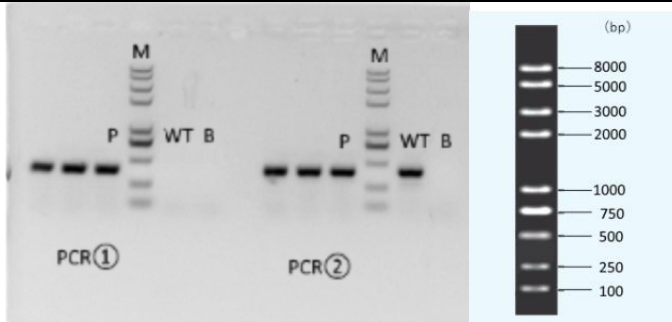
1. Strategy of Genotyping



2. Primer Information

PCR No.	Primer No.	Primer Name	Sequence	Band Size
①5'arm	F1	003893-Cd19-iCre-KI-tF1	CTGGGAGGAGTCAGAAAGACCC	WT:0bp Targeted:373bp
	R1	003893-Cd19-iCre-KI-tR1	CTTCCAGGTGTGTTCAGAGAAGG	
②WT	F1	003893-Cd19-iCre-KI-tF1	CTGGGAGGAGTCAGAAAGACCC	WT:375bp Targeted:1968bp
	R2	003893-Cd19-iCre-KI-tR2	CTATCCTCCACGTTCCTACTGTCC	

3. Gel Image & Conclusion



Note: P:Positive control; WT: Wildtype control; N: Blank control (ddH₂O); M: DNA Ladder

4. PCR Condition

PCR Reaction Component			
Seg.	reaction component		Volume (μl)
1	2 × Taq Master Mix , Dye Plus, (Vazyme P112-03)		12.5
2	ddH ₂ O		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 °C	5min	20×
2	98 °C	30s	
3	65 °C (-0.5 °C/cycle)	30s	
4	72 °C	45s	
5	98 °C	30s	20×
6	55 °C	30s	
7	72 °C	45s	
8	72 °C	5min	
9	10 °C	hold	