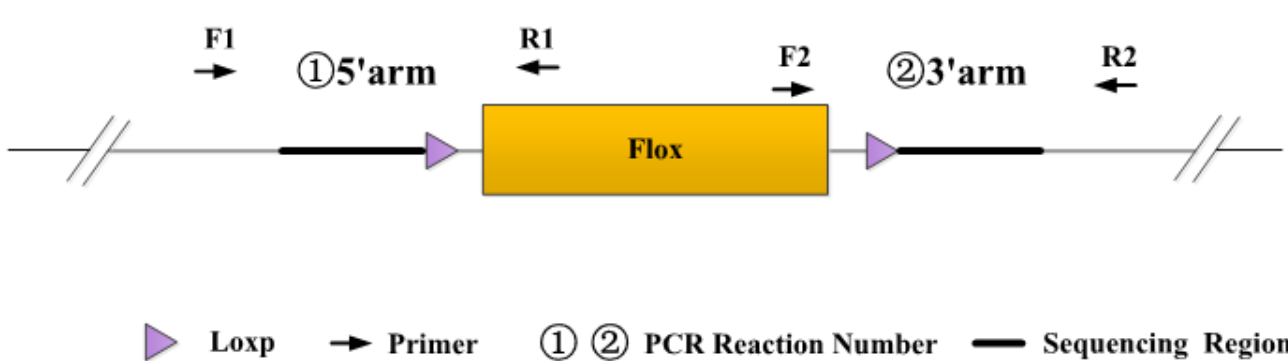


## Genotyping Report

Strain ID	T038489	Strain Type	CKO(Cas9)	Genetic Background	C57BL/6JGpt
Designer	Binjie Jiao	Gene Name	<i>Pkp2</i>		

### 1. Strategy of Genotyping




Wild type: ①PCR reaction obtains a single WT band; ②PCR reaction obtains a single WT band.  
Heterozygote: ①PCR reaction obtains a WT band and a Targeted band; ②PCR reaction obtains a WT band and a Targeted band.  
Homozygote: ①PCR reaction obtains a single Targeted band; ②PCR reaction obtains a single Targeted band.  
Note: The sizes of WT and Targeted band are shown below.

### 2. Primer Information

PCR No.	Primer No.	Primer Name	Sequence	Band Size
①(5'arm)	F1	T038489(P2)-F1	ACTCACAATGCCAACACCGTAGC	WT: 387bp
	R1	T038489(P2)-R1	GGTAGCCTGAATGAAATCAAGCG	Targeted: 492bp
②(3'arm)	F2	T038489(P2)-F2	AGGACTGTCCCGCATGTTCATG	WT: 439bp
	R2	T038489(P2)-R2	GCCAGACTGAAGGGCACTTGGT	Targeted: 545bp

### 3. Gel Image & Conclusion



Note: P: Heterozygous samples; WT: Wildtype control; B: Blank control (ddH<sub>2</sub>O); M: DNA Ladder  
① Control (WT) : It is an important reference mark for whether the PCR reaction is successful and whether the





and amplification enzyme efficiency.