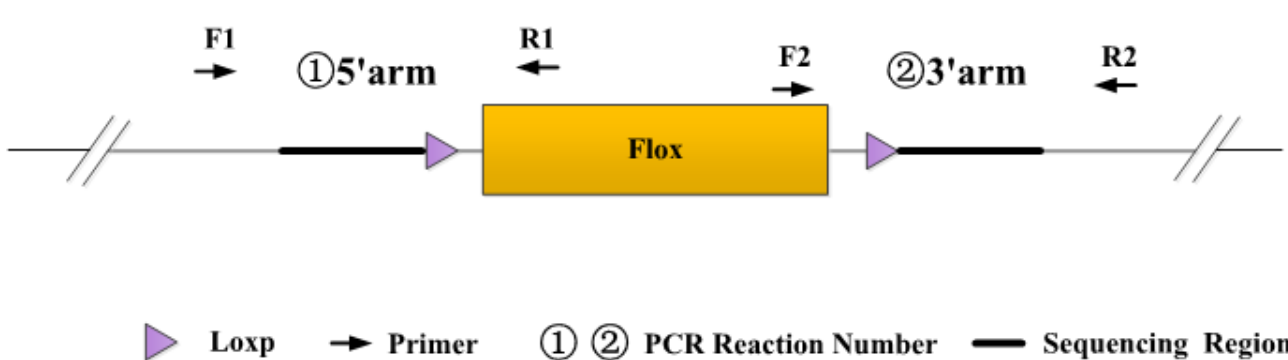


Genotyping Report

Strain ID	T010967	Strain Type	CKO(Cas9)	Genetic Background	C57BL/6JGpt
Designer	Binjie Jiao	Gene Name	<i>Klf11</i>		

1. Strategy of Genotyping

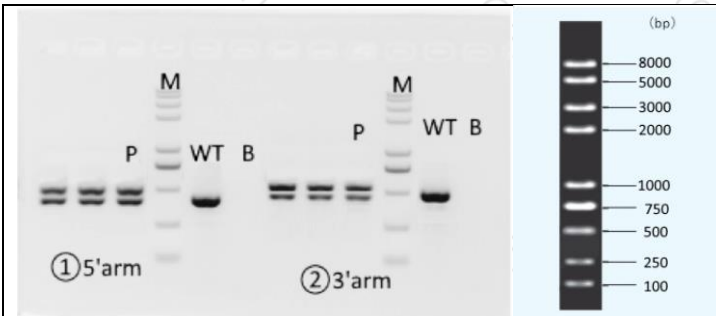


Wild type: ①PCR reaction obtains a single WT band; ②PCR reaction obtains a single WT band.
Heterozygote: ①PCR reaction obtains a WT band and a Targeted band; ②PCR reaction obtains a WT band and a Targeted band.
Homozygote: ①PCR reaction obtains a single Targeted band; ②PCR reaction obtains a single Targeted 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	T010967(P2)-F1	GTCTGGCCCCCTATGGTCATATCTT	WT: 396bp
	R1	T010967(P2)-R1	CAGAGTGGTGTCCCTAAGAAAGGA	Targeted: 501bp
②(3'arm)	F2	T010967(P2)-F2	TAAGTCCGGTCTTTCTCTCAGCC	WT: 477bp
	R2	T010967(P2)-R2	CTCTTAAAGGGGTCTCAGGGAGCTTT	Targeted: 583bp

3. Gel Image & Conclusion



Note: P: Heterozygous samples; WT: Wildtype control; B: Blank control (ddH₂O); 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.