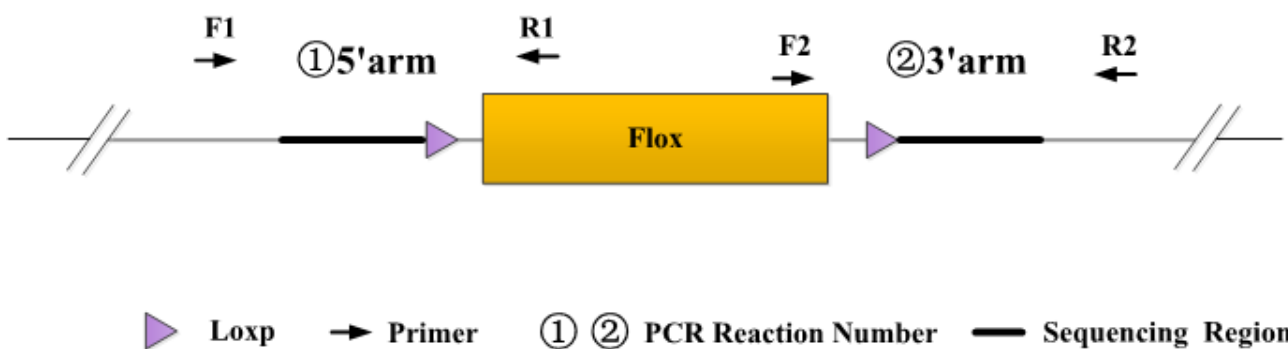


Genotyping Report

Strain ID	T024948	Strain Type	CKO(Cas9)	Genetic Background	C57BL/6JGpt
Designer	Binjie jiao	Gene Name	Uxs1		

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	T024948(P1)-F1A	ACCCGCCTGAGGGTTTGTTT	WT: 468bp Targeted: 573bp
	R1	T024948(P1)-R1A	CCAGAGTTCGATCCAAGCTCTCTC	
②(3'arm)	F2	T024948(P1)-F2A	TCACTGTGCCTTAGTGCCCTGT	WT: 469bp Targeted: 575bp
	R2	T024948(P1)-R2A	GAGAATGTAGGGTGGAGAAGGTGTG	

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.