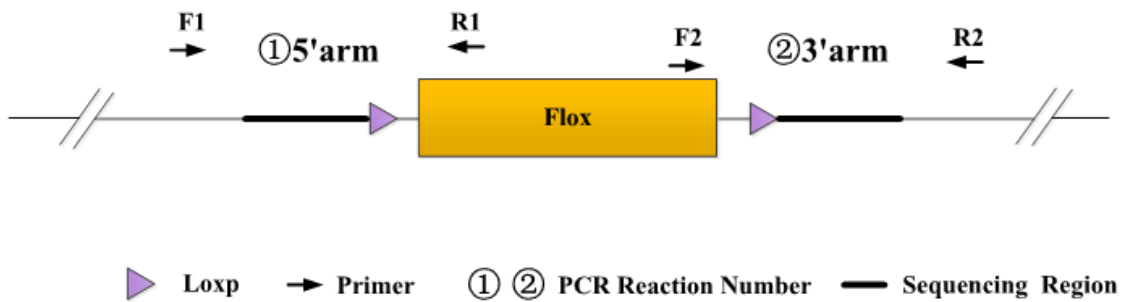


Genotyping Report

Strain ID	T012920	Strain Type	CKO(Cas9)	Genetic Background	C57BL/6JGpt
Designer	Ya'nan Xu	Gene Name	<i>Cfp</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.

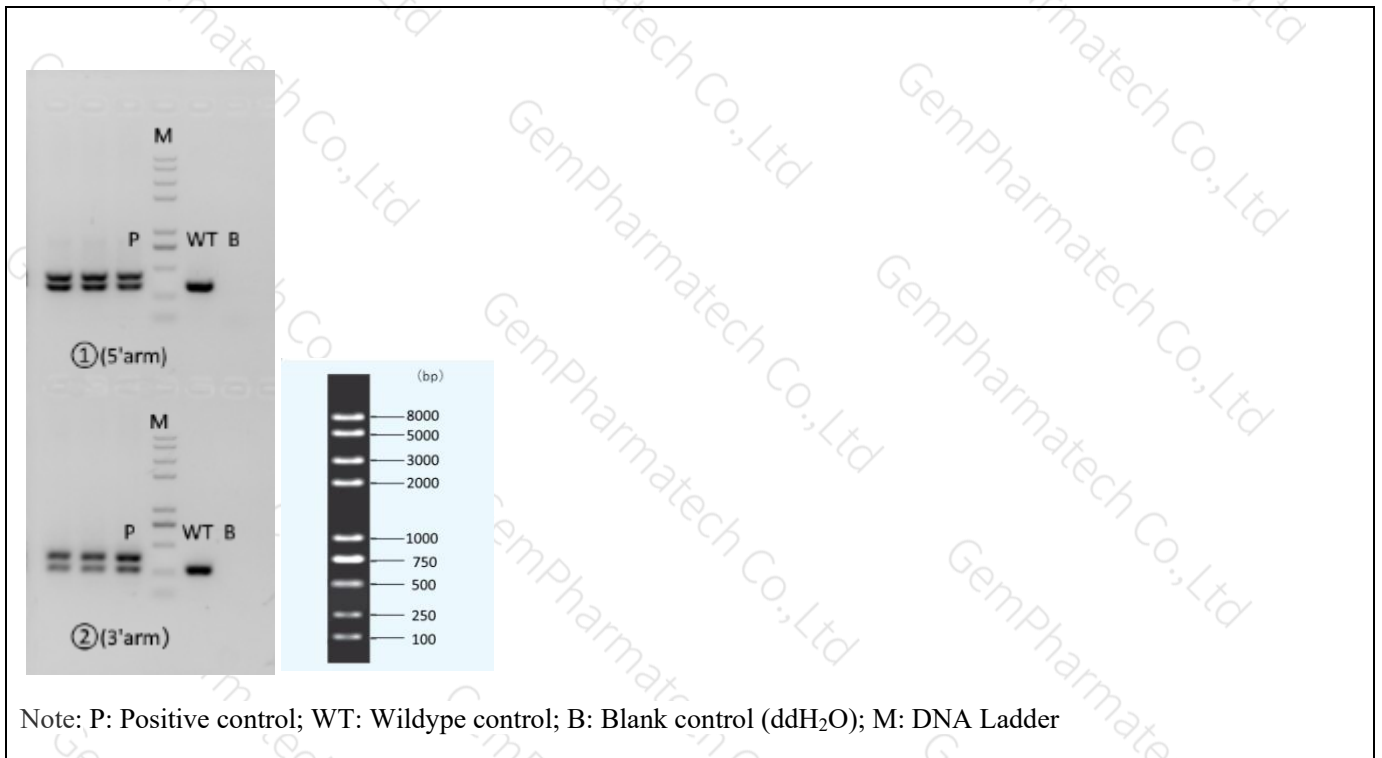
Note: The sizes of WT and Targeted band are shown below.

X-linked Inheritance (伴X遗传)

2. Primer Information

PCR No.	Primer No.	Primer Name	Sequence	Band Size
①(5'arm)	F1	JS04268-Cfp-5wt-tF1	TGAAAGAAACGAGGGGAAAGGAAAC	WT:290bp
	R1	JS04268-Cfp-5wt-tR1	GTCCTCAGAATTTCTTAAAGTCCTCC	Targeted:394bp
②(3'arm)	F2	JS04268-Cfp-3wt-tF1	CATTGGCTTGAGGCTGAATGATTTG	WT:264bp
	R2	JS04268-Cfp-3wt-tR1	TTTCGAAGGGAAAACGAGGAAAGG	Targeted:365bp

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	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	
2	98°C	30s	20×



3	65°C (-0.5°C/cycle)	30s	20×
4	72°C	45s	
5	98°C	30s	
6	55°C	30s	
7	72°C	45s	
8	72°C	5min	
9	10°C	hold	

Reviewer:Ting Sun

Date:2020-5-12