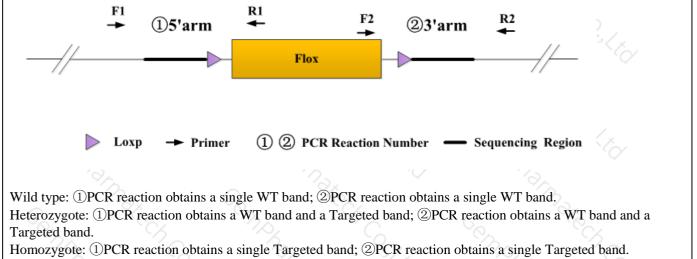


		Genotyp	ing Report		· · Kx
Strain ID	T019772	Strain Type	CKO(Cas9)	Genetic Background	C57BL/6JGpt
Designer	Ya'nan Xu	Gene Name	· · / /	Txk	6
. Strategy of	Genotyping	25.0	m.	(armar	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~



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

## 2. Primer Information

PCR No. Primer No.		Sequence	Band Size
(1)(5'arm)	T019772-F1	GCAGCTTCGTTCTTCCCTAGAAAC	WT:314bp
	n) T019772-R1 ATACTGCGGCCTCAGACAAAG		Targeted:419bp
@(3'arm)	T019772-F2	GCATCGCATTGTCTGAGTAGGTG	WT:351bp
	T019772-R2	CCTCTTCAGGATCTGGCTTTGAC	Targeted:367bp

## 3. Gel Image & Conclusion



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Note: P: Positive control; 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 product band position and size meet the theoretical requirements.
② Control (B) : PCR amplification was performed without template in the PCR reagent to monitor whether the reagent was contaminated.

## 4. PCR Condition

PCR Reaction	n Component	YX C		
Seg.	reactio	reaction component		
L No	2 × Rapid Taq Master Mix(Va	apid Taq Master Mix (Vazyme P222)		
2	ddH2O	B. CA	9.5	
3	Primer A(10pmol/µl)		1	
1 6	Primer B(10pmol/µl)	20		
5 <sup>n</sup> s,	Template(≈100ng/μl)			
CR program	$1  ext{ } 1  ext{ } 1$ priority selection	0, 10		
Seg.	Temp.	Time	Cycle	
Cen .	<b>95</b> ℃	5min	Con allo	
- ~~~	98°C	30s	20×	
	65°C* (-0.5°C/cycle)	30s		
<u></u>	<b>72</b> °C	45s*	122	
i	98°C	30s	20×	
	55℃*	30s	Se Se	
. 7	72°C	45s*		
3	72°C	5min 🗸	22	
	10°C	hold	n n n n n n n n n n n n n n n n n n n	
CR program	$1^{2}$ the second choice	~~	Geo Ca	
Seg.	Temp.	Time	Cycle	



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1	i Pha	95°C	arp.	5min	100	í S
2	n n	98°C		30s		35×
з (		58℃*	~~	30s	G	
4	ns,	72℃	C <sub>R</sub>	45s*	Cho.	A C
5	ng pr	72℃ ·<	$\gamma_{\mathcal{O}_{L}}$	5min		
6	ng x	10°C	200	hold		

Note\*: Annealing temperature and extension time can be determined according to the actual amplification situation and amplification enzyme efficiency.