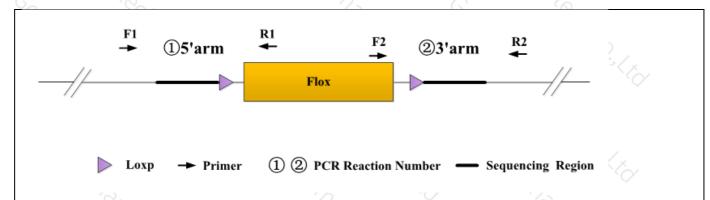
Genotyping Report

Strain ID	T008450	Strain Type	CKO(Cas9)	Genetic Background	C57BL/6JGpt
Designer	Ya'nan Xu	Gene Name	34	Atxn7l3	0)

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.

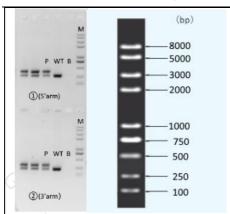
Homozygote: ①PCR reaction obtains a single Targeted band; ②PCR reaction obtains a single Targeted band.

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

2. Primer Information

/ /			7/1
PCR No.	Primer No.	Sequence	Band Size
①(5'arm)	T008450-F1	T008450-F1 TGGATAACAGCAAACTAGAGGTGAGG	
	T008450-R1 ACCTTGACTGAACAACTCTCACCAAC		Targeted:380bp
②(3'arm)	T008450-F2 CTGAACATACCAAGAAGATGTGCACA		WT: 251bp
	T008450-R2	AGAATGATCAGACCCTGACAAGGC	Targeted:357bp

3. Gel Image & Conclusion



Note: P: Positive control; 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 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

4. I CK Con		2. · · · ·	<i>7</i> 2,	
PCR Reaction C	Component	YX.	* 12 m	
Seg.	reaction	reaction component		
1 70,	2 × Rapid Taq Master Mix(Vazy	2 × Rapid Taq Master Mix (Vazyme P222)		
2	ddH2O		9.5	
3	Primer A(10pmol/μl)	7.6°	1 7	
4	Primer B(10pmol/μl)	~C		
5	Template(≈100ng/μl)	5/x	1 7	
PCR program	1) priority selection), (V)	30 3/x	
Seg.	Temp.	Time	Cycle	
1 8	95℃	5min		
2	98℃	30s	20×	
3	65℃* (-0.5℃/cycle)	30s	3/2	
4	72℃	45s*	19×	
5	98℃	30s	20×	
6	55℃*	30s	6	
7 %	72℃	45s*		
8	72℃	5min	30	
9	10 ℃	hold	73x	
PCR program (2) the second choice	- C		
Seg.	Temp.	Time	Cycle	



1	10/12/2	95℃	19hh.	5min		5 6	,
2	· 12.	98℃	9/X	30s		35×	(X)
3 (S. 78	58℃*	4	30s	0	d'A	
4	700/	72℃	G _C	45s*	³ 72,	7°C	
5	72/2	72 ℃	700	5min	2	34	/ ×
6	, Jax	10℃	, 9 ¹	hold		(7)3,	0

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