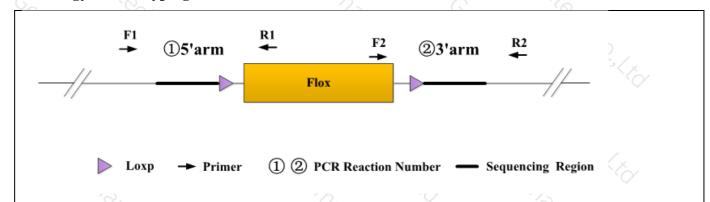
Genotyping Report

Strain ID	T024926	Strain Type	CKO(Cas9)	Genetic Background	C57BL/6JGpt
Designer	Ya'nan Xu	Gene Name	3/2	Msi1	S

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.

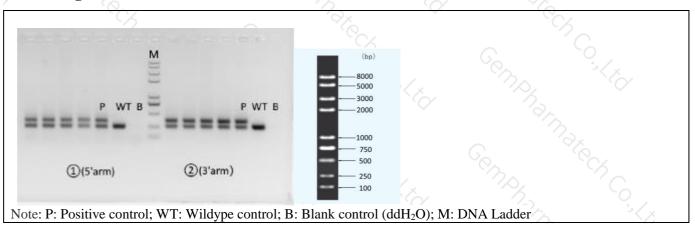
Homozygote: ①PCR reaction obtains a single Targeted band; ②PCR reaction obtains a single Targeted band.

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

2. Primer Information

PCR No. Primer No.		Sequence	Band Size
①(5'arm)	T024926-F1	T024926-F1 ACTTTGCCTGTTCTGAAAGGCTC	
	T024926-R1 TTTCGGTTGGCAGTCTCCATATC		Targeted:387bp
②(3'arm)	T024926-F2	AGGGCTGAGAATGTAAGAGATGCTAG	WT: 281bp Targeted:387bp
	T024926-R2	TAAGGGTCCTAGGTGCTTCACTGTG	

3. Gel Image & Conclusion





- 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

<u> </u>	Y		
PCR Reaction Co	omponent	19x 60	Volume (μl)
Seg.		reaction component	
1	2 × Rapid Taq Master Mix (Va	2 × Rapid Taq Master Mix (Vazyme P222)	
2	ddH2O	9/2 3/2	9.5
3	Primer A(10pmol/μl)	79%	1
1	Primer B(10pmol/μl)	Primer B(10pmol/µl)	
5	Template(≈100ng/μl)	6	1 3/2
PCR program ①	priority selection	7/2	7%, · · · · · · · · · · · · · · · · · · ·
Seg.	Temp.	Time	Cycle
	95℃	5min	36. 19K
2 70/	98℃	30s	20×
3	65℃*(-0.5℃/cycle)	30s	79/2 20:2/
1	72℃	45s*	, J ^{3×}
5 600	98°C	30s	20×
5 7%	55℃*	30s	70, (G
7 9/2	72 ℃	45s*	3/2 3/2
3	72 ℃	5min	74%
200	10℃	hold	2 .00
PCR program ②	the second choice		~ G
Seg.	Temp.	Time	Cycle
í	95℃	5min	1978
2	98℃	30s	35×
3 65	58℃*	30s	S, 9,4
1	72℃	45s*	70/
5	72℃	5min	19/2
6	10°C	hold	a de la companya de l

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

