

		Genotyp	ing Report		Col XX
Strain ID	T057905	Strain Type	CKO(Cas9)	Genetic Background	C57BL/6JGpt
Designer	Ya'nan Xu	Gene Name	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Bsg	°C
. Strategy of (Genotyping			armare	
	F1 → ①5'arm	R1 ◀	F2 ②3	'arm 🔫)
//	>		->-		

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.

Primer

(1) (2) PCR Reaction Number -

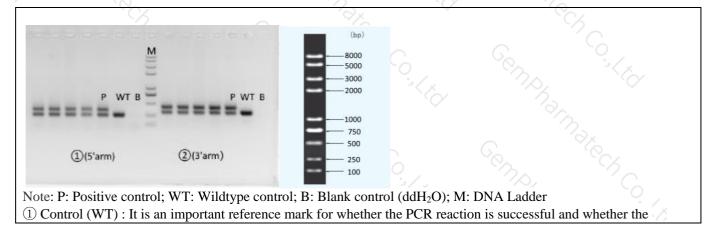
Sequencing Region

2. Primer Information

Loxp

PCR No.	Primer No.	Sequence	Band Size	
(1)(5'arm)	T057905-F1	CTGACTTGTTGCCAAAGGACGCT	WT: 246bp Targeted: 351bp	
	T057905-R1	CCCTGTGTTTACACAGTGAAGCCTC		
@(3'arm)	T057905-F2	GTGACCCTGAAGGTTTGGGGGATA	WT: 282bp	
	T057905-R2 GAACCCTCAACGTGCTGACTTCTT		- Targeted: 388bp	

3. Gel Image & Conclusion





江 就 集 萃 药 康 生 物 科 技 股 份 有 限 公 司 Gem Pharmatech Co.,Ltd

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	Component		M. M		
Seg.	reaction c	reaction component			
1^{γ}	2 × Rapid Taq Master Mix (Vazym	2 × Rapid Taq Master Mix (Vazyme P222)			
2 73	ddH2O		9.5		
3	Primer A(10pmol/µl)	. ···	1		
1	Primer B(10pmol/μl)	Primer B(10pmol/µl)			
5	Template(≈100ng/µl)	Template(≈100ng/µl)			
PCR program (① priority selection	\sim			
Seg.	Temp.	Time	Cycle		
1	95°C	5min	(13mg)		
2 6	98°C	30s	20×		
3 ^N S,	65℃*(-0.5℃/cycle)	30s			
1 7	72°C	45s*			
5	98°C	30s	20×		
5 6	55℃*	30s			
	72°C	45s*	o) ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		
3	72°C	5min	Dr. S/x		
9	10°C	hold			
PCR program (② the second choice	Tax Con	2 ⁹ 2		
Seg.	Temp.	Time	Cycle		
1 24	95℃	5min	and its		
2	98°C	30s	35×		
3	58°C*	58°C* 30s			
4 6	72°C	45s*			
5 7/	72°C	5min	$\gamma_{\mathcal{A}_{\mathcal{L}}}$		
6	10°C	hold	ng.		

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