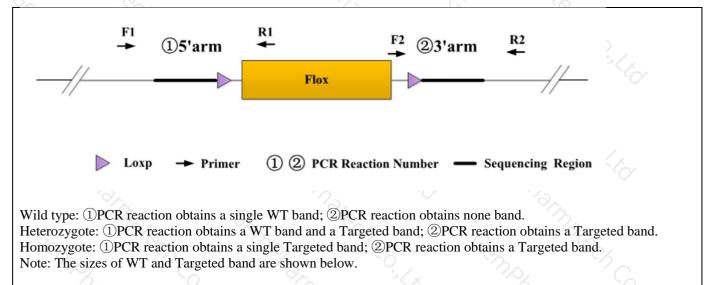


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		Genotyp	ing Report		- Kr
Strain ID	T038902	Strain Type	CKO(Cas9)	Genetic Background	C57BL/6JGpt
Designer	Zifan Lin	Gene Name	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Rsf1	6

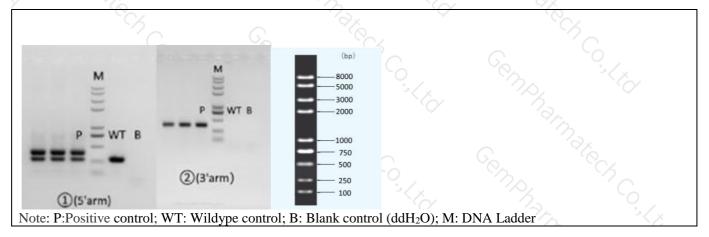
## 1. Strategy of Genotyping



## 2. Primer Information

PCR No.	Primer No.	Sequence	Band Size	
(1)(5'arm)	T038902-F1 AGTTTGAACACCATTAGACCAGTTTC		WT:392bp	
	T038902-R1	TAAATTACAGAGTACGTCACAGAAG TCC	Targeted:497bp	
2)(3'arm)	T038902-F2	ATCGCATTGTCTGAGTACGTG	WT:0bp Targeted:332bp	
	T038902-R2	ACAGACAAGAAAATACCTTTTGCCC		

## 3. Gel Image & Conclusion





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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 Comp	$-\gamma_{2x}$		
Seg.	reaction comp	Volume (µl)	
1 7	2 × Rapid Taq Master Mix (Vazyme P222)		12.5
2	ddH2O	9.5	
3 26	Primer A(10pmol/µl)	1 2	
l (	Primer B(10pmol/µl)		1 3
	Template(≈100ng/µl)	C C	1
PCR program $(1)$ pri	ority selection		ns, Kr
Seg.	Temp.	Time	Cycle
	95°C	5min	"mar
	98°C	30s	20×
· ~	65℃*(-0.5℃/cycle)	30s	K. C.
1 N.	72°C	45s*	and she
5 G_	98°C	30s	20×
$\gamma_{\rm S}$	55°C*	30s	
	72°C	45s*	
3 72	72°C	5min	12 10
	10°C	hold	
PCR program $2$ th	e second choice	Ch no	$\sim 2$
beg.	Temp.	Time	Cycle
1 nate	95°C	5min	Mar Nor
2	98°C	30s	35×
C <sub>2</sub>	58°C*	30s	- C
· ~~,	72℃	45s*	
5 72	72°C	5min	The second
6	10°C	hold	T.

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



