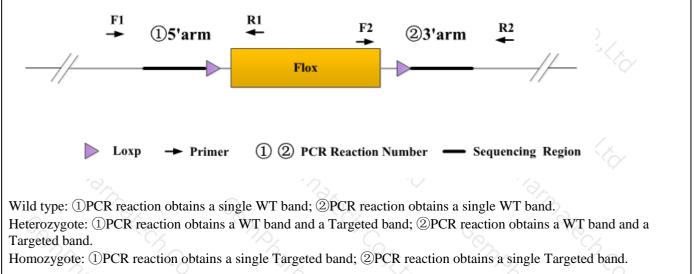


	na ^c ta	Genotyp	ing Report		- Kr
Strain ID	T019158	Strain Type	CKO(Cas9)	Genetic Background	C57BL/6JGpt
Designer	Ya'nan Xu	Gene Name	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Rpl22	6
9/2		10		Ph	3< x

1. Strategy of Genotyping

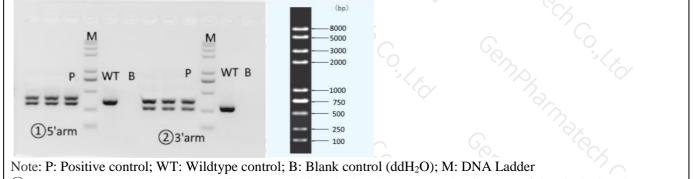


Note: The sizes of WT and Targeted band are shown below.

2. Primer Information

PCR No.	Primer No.	Sequence	Band Size
(1)(5'arm)	T019158-F1	TGCTGCTTTGCATGTTCATGTTC	WT: 304bp Targeted: 409bp
	T019158-R1	AGTCTTCCTCTACGAGGCTCTAAGGAT	
@(3'arm)	T019158-F2	GTGTTTCTTGTAAGAGCTCCTGTGG	WT: 263bp
	T019158-R2	AGGACAAAGAAGTCACAGTTGGCAG	- Targeted: 369bp

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.



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⁽²⁾ Control (B) : PCR amplification was performed without template in the PCR reagent to monitor whether the reagent was contaminated.

4. PCR Condition

*	Component				
eg.		component	Volume (μl) 12.5		
Co.		2 × Rapid Taq Master Mix (Vazyme P222)			
	ddH2O	S. S. S.	9.5		
	Primer A(10pmol/µl)	Co	21		
<u>.</u>	Primer B(10pmol/µl)		1		
	Template(≈100ng/µl)	Template(≈100ng/μl)			
CR program	① priority selection		6 6		
eg.	Temp.	Time	Cycle		
	95°C	5min			
\sim	98°C	30s	20×		
000	65℃*(-0.5℃/cycle)	30s			
	72°C	45s*	72 °C		
	98°C	30s	20×		
0	55℃ *	30s	No.		
C C C C C C C C C C C C C C C C C C C	72°C	45s*	20 Charles		
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	72°C	5min	The Co		
9	10°C	hold	Stra Stra		
CR program	② the second choice	M. C	94		
eg.	Temp.	Time	Cycle		
- Ag	95°C	5min			
, ,	98°C	30s	35×		
1	58°C*	30s	22		
6	72°C	45s*	0 ''C		
C?	72°C	5min-			
	10°C	hold			

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