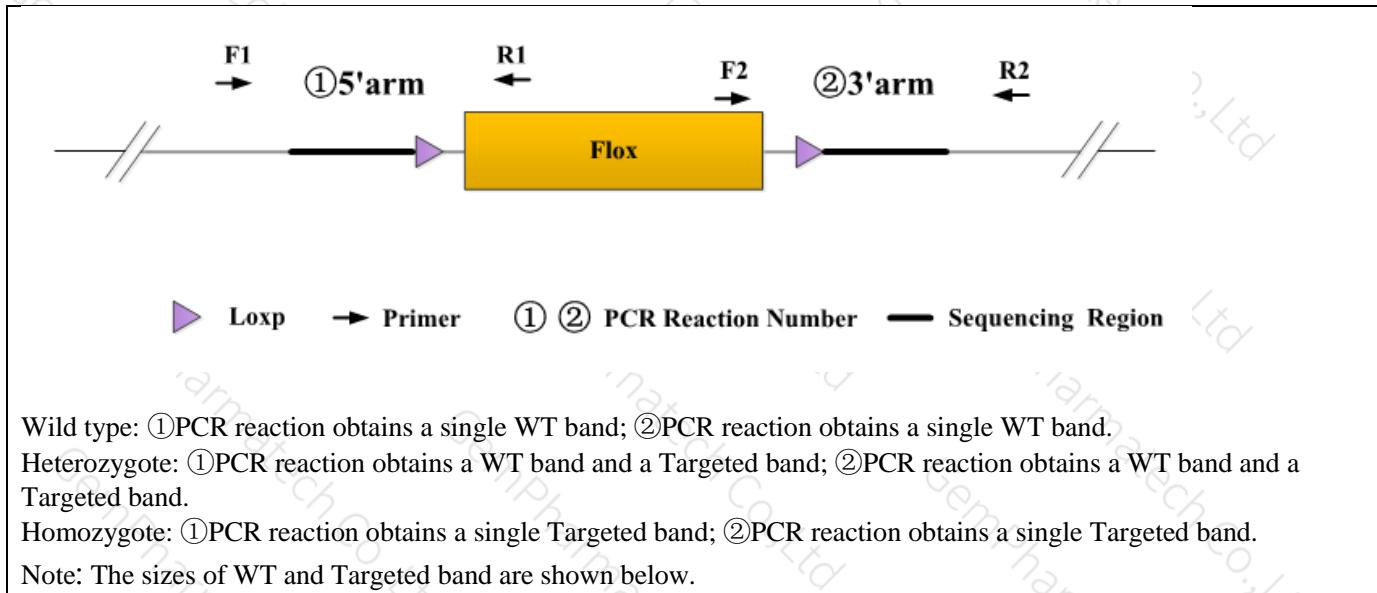




Genotyping Report

Strain ID	T041589	Strain Type	CKO(Cas9)	Genetic Background	C57BL/6JGpt
Designer	Ya'nan Xu	Gene Name			<i>Rnf222</i>

1. Strategy of Genotyping

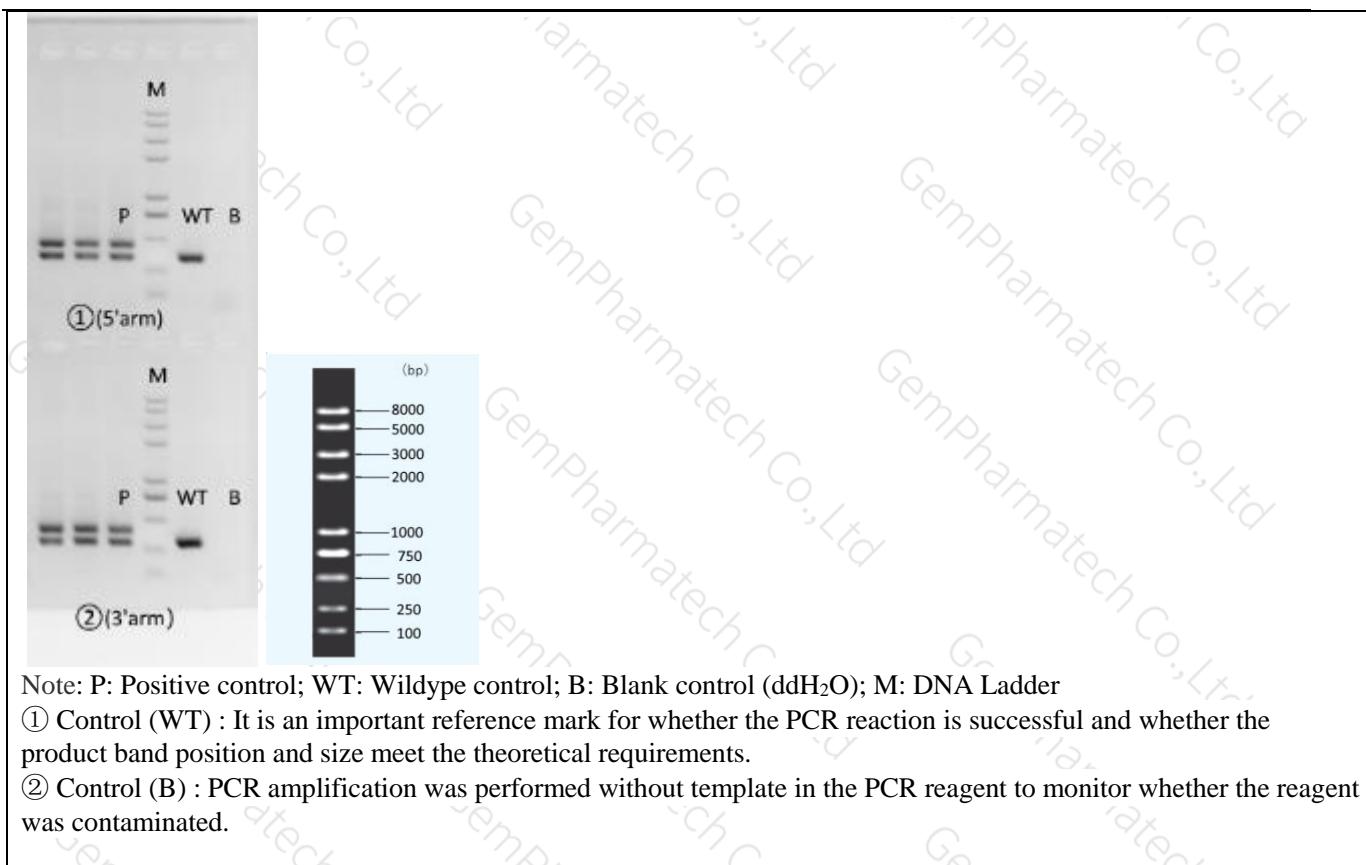


2. Primer Information

PCR No.	Primer No.	Sequence	Band Size
①(5'arm)	T041589-F1	ACCTAGTCTACTGTCATCCTGTTGGC	WT: 379bp Targeted: 484bp
	T041589-R1	TGCTACCTGCTAACCTTGATGAAGTC	
②(3'arm)	T041589-F2	GAGGATAGCTCAGCAGTAGAGAAAGG	WT: 324bp Targeted: 430bp
	T041589-R2	CTAGCCAGTACAATGCTAACAGC	

3. Gel Image & Conclusion





4. PCR Condition

PCR Reaction Component			
Seg.	reaction component	Volume (μl)	
1	2 × Rapid Taq Master Mix (Vazyme P222)	12.5	
2	ddH ₂ O	9.5	
3	Primer A(10pmol/μl)	1	
4	Primer B(10pmol/μl)	1	
5	Template(≈100ng/μl)	1	

PCR program ① priority selection			
Seg.	Temp.	Time	Cycle
1	95 °C	5min	
2	98 °C	30s	20x
3	65 °C* (-0.5 °C/cycle)	30s	
4	72 °C	45s*	
5	98 °C	30s	20x
6	55 °C*	30s	
7	72 °C	45s*	



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8	72°C	5min	
9	10°C	hold	
PCR program ② the second choice			
Seg.	Temp.	Time	Cycle
1	95°C	5min	
2	98°C	30s	35x
3	58°C*	30s	
4	72°C	45s*	
5	72°C	5min	
6	10°C	hold	

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