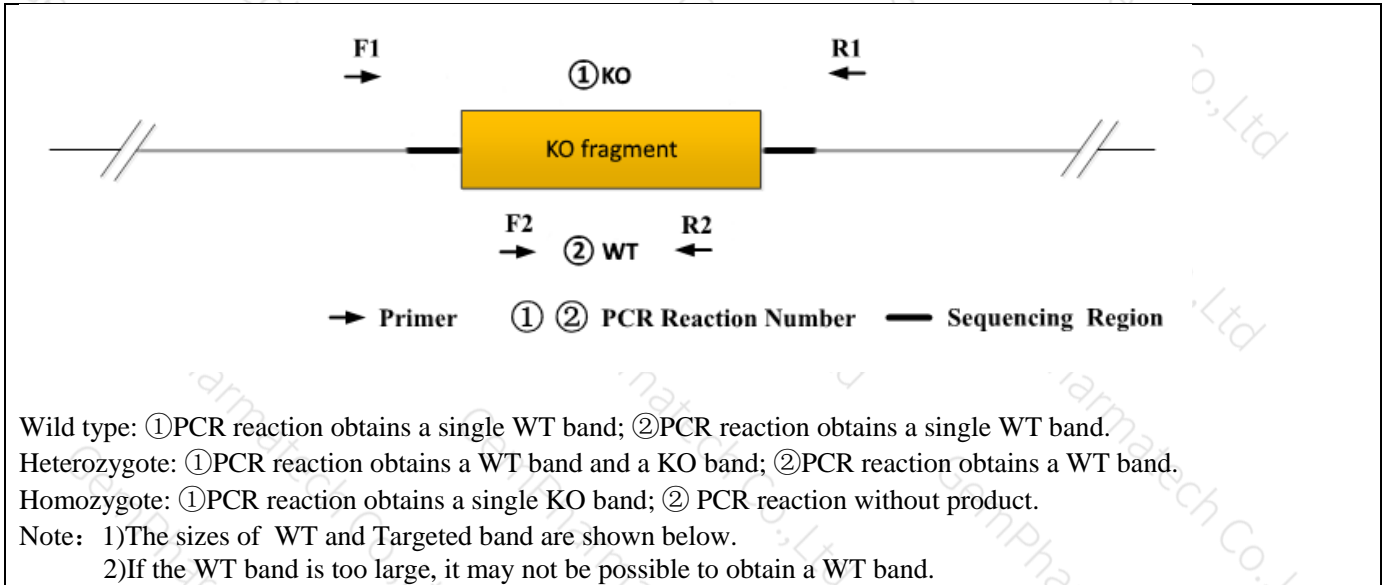


Genotyping Report

Strain ID	T015745	Strain Type	KO(Cas9)	Genetic Background	C57BL/6JGpt
Designer	Zifan Lin	Gene Name	<i>Ttc22</i>		

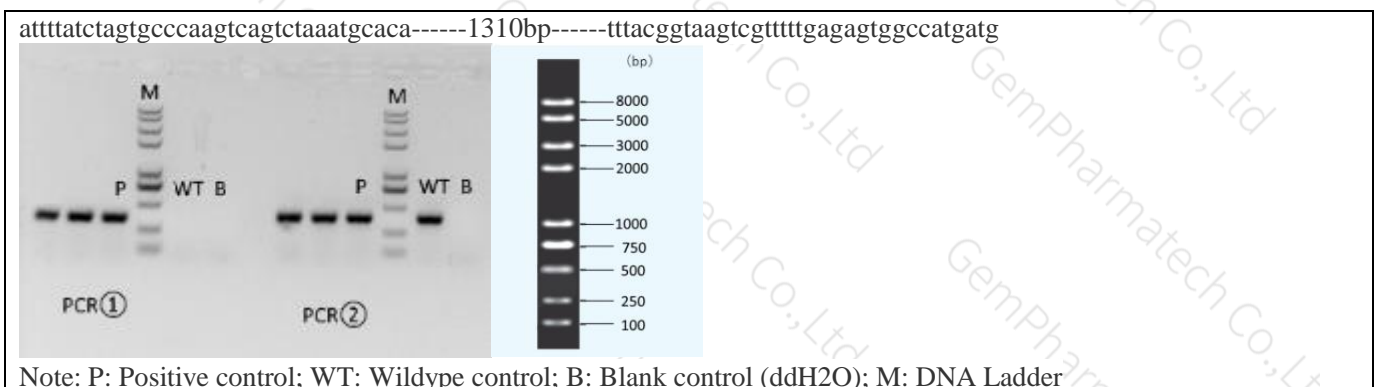
1. Strategy of Genotyping



2. Primer Information

PCR No.	Primer No.	Sequence	Band Size
PCR①	T015745-F1	AGAGTTGCCGACATGCACTG	WT:1663bp KO:353bp
	T015745-R1	TGTGGCAGTCTTACCATGCAG	
PCR②	T015745-F2	TAGGCTGGATGGCATCTTTCTG	WT: 382bp KO:0bp
	T015745-R2	TAGTGTCCAAGCCTTCCATAAGC	

3. Gel Image





4. PCR Condition

PCR Reaction Component			
Seg.	reaction component	Volume (μ l)	
1	2 \times Taq Master Mix , Dye Plus , (Vazyme P112-03)	12.5	
2	ddH ₂ O	9.5	
3	Primer A(10pmol/ μ l)	1	
4	Primer B(10pmol/ μ l)	1	
5	Template(\approx 100ng/ μ l)	1	
PCR program			
Seg.	Temp.	Time	Cycle
1	95 $^{\circ}$ C	5min	
2	98 $^{\circ}$ C	30s	20 \times
3	65 $^{\circ}$ C (-0.5 $^{\circ}$ C/cycle)	30s	
4	72 $^{\circ}$ C	45s	
5	98 $^{\circ}$ C	30s	
6	55 $^{\circ}$ C	30s	20 \times
7	72 $^{\circ}$ C	45s	
8	72 $^{\circ}$ C	5min	
9	10 $^{\circ}$ C	hold	

Reviewer:Ting Sun

Date:2021-7-8