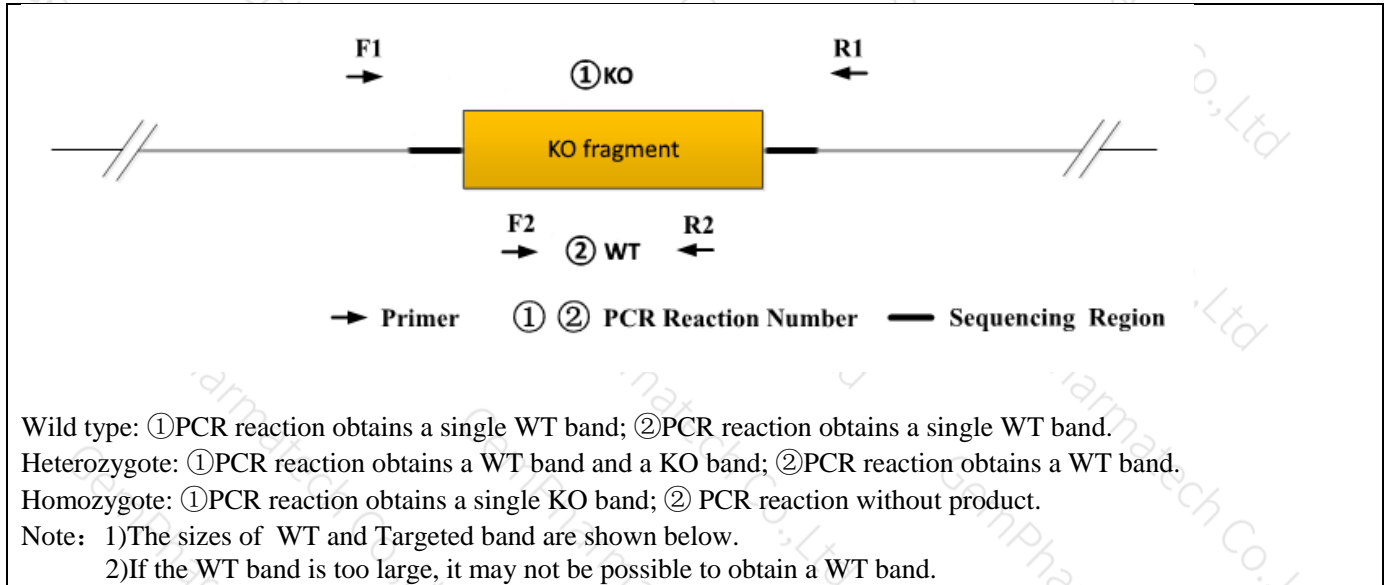


## Genotyping Report

Strain ID	T003873	Strain Type	KO(Cas9)	Genetic Background	C57BL/6JGpt
Designer	Zifan Lin	Gene Name	Rapgef4		

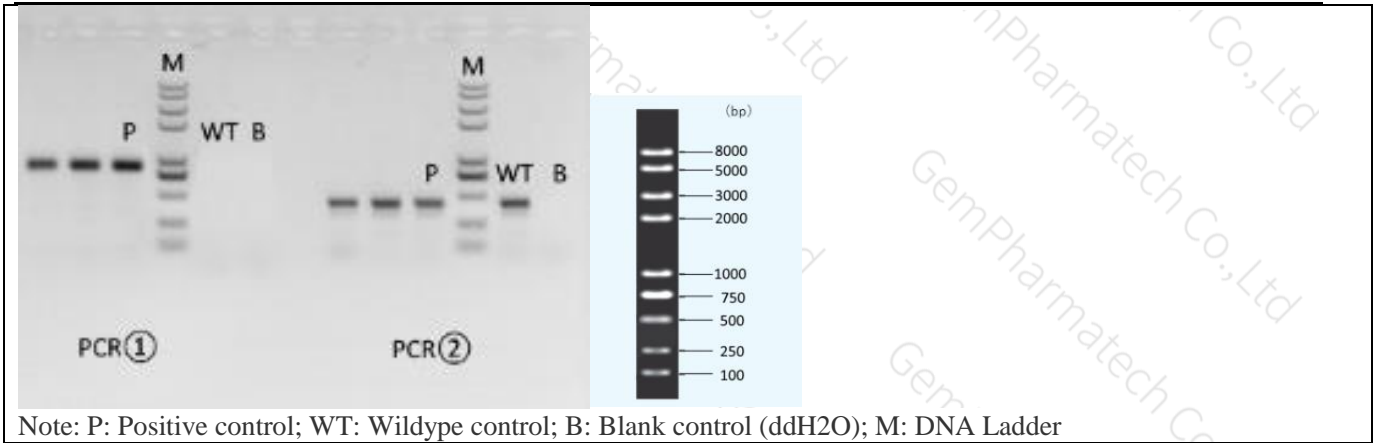
### 1. Strategy of Genotyping



### 2. Primer Information

PCR No.	Primer No.	Sequence	Band Size
PCR①	T003873-F1	ATTCCTGGATCCTGTTGCTGG	WT:2410bp KO:803bp
	T003873-R1	AAGTGAGCCACGGAGTCCAG	
PCR②	T003873-F2	AGCCGTCGAGCTCCATTCC	WT:446bp KO:0bp
	T003873-R2	GGGTTGAGGGGTCAAGCCAT	

### 3. Gel Image



#### 4. PCR Condition

PCR Reaction Component			
Seg.	reaction component	Volume (μl)	
1	2 × Taq Master Mix , Dye Plus, (Vazyme P112-03)	12.5	
2	ddH <sub>2</sub> O	9.5	
3	Primer A(10pmol/μl)	1	
4	Primer B(10pmol/μl)	1	
5	Template(≈100ng/μl)	1	
PCR program			
Seg.	Temp.	Time	Cycle
1	95℃	5min	
2	98℃	30s	20×
3	65℃ (-0.5℃/cycle)	30s	
4	72℃	45s	
5	98℃	30s	
6	55℃	30s	20×
7	72℃	45s	
8	72℃	5min	
9	10℃	hold	

Reviewer:Ting Sun

Date:2021-6-26