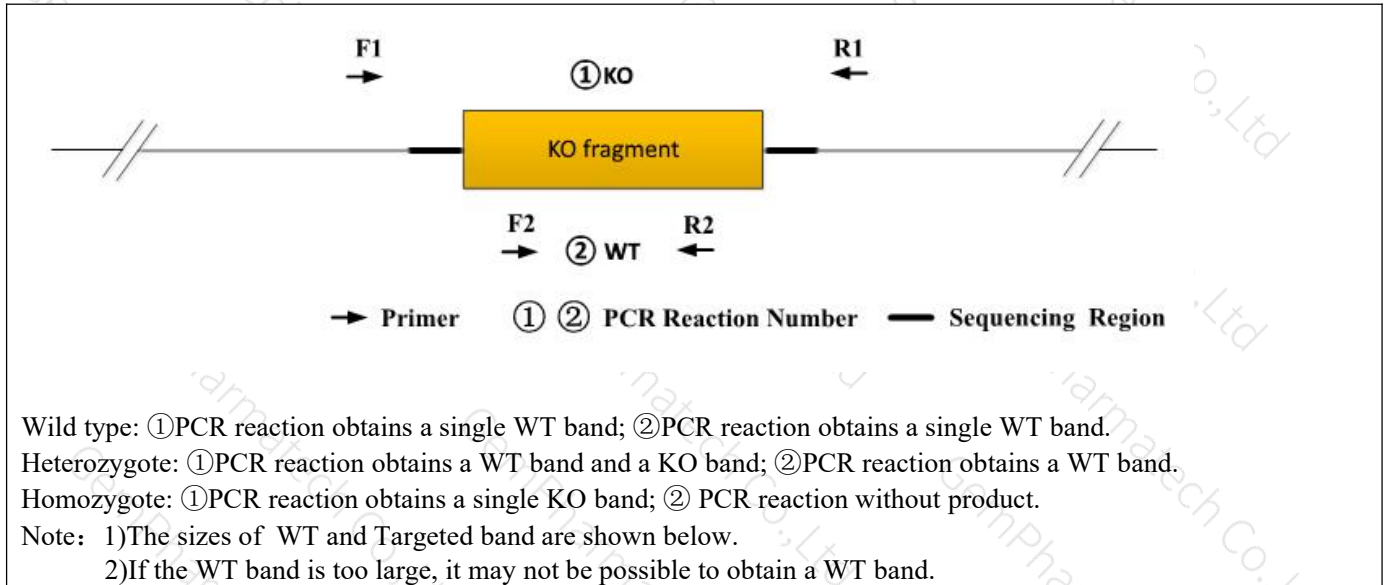


## Genotyping Report

Strain ID	T029456	Strain Type	KO(Cas9)	Genetic Background	C57BL/6JGpt
Designer	Zifan Lin	Gene Name	Cd320		

### 1. Strategy of Genotyping

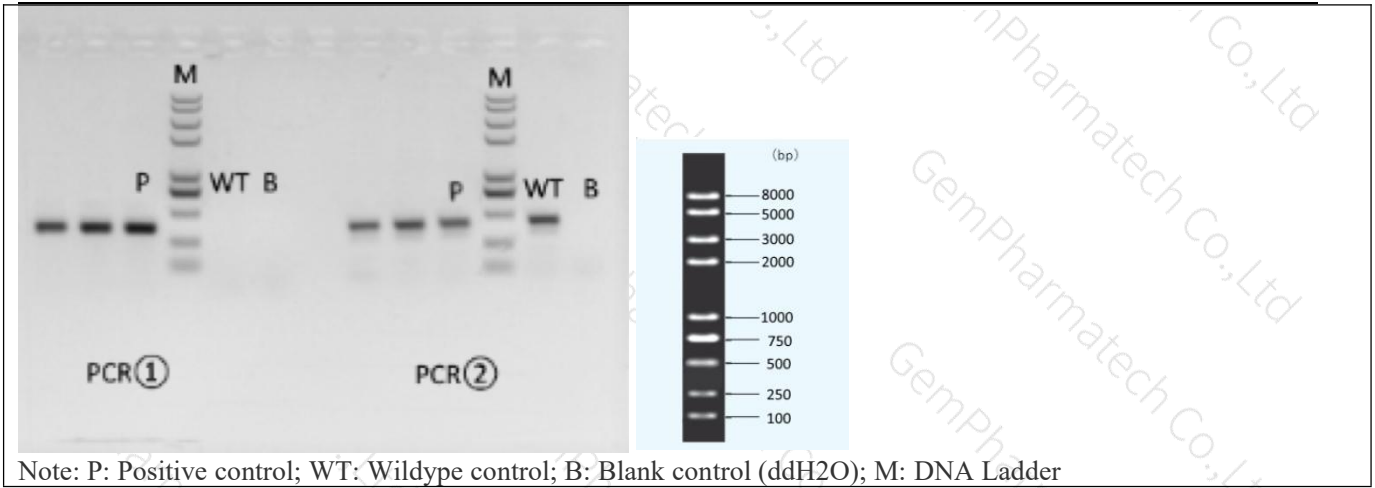


### 2. Primer Information

PCR No.	Primer No.	Primer Name	Sequence	Band Size
PCR①	F1	JS20389-Cd320-5wt-tF1	GAGCAGATTTACTACCCAGGCTCTC	WT: 5539bp Target: 355bp
	R1	JS20389-Cd320-3wt-tR1	CTCTGCTTTGCACCTTGGGACT	
PCR②	F2	JS30389-Cd320-wt-tF1A	CCTTGCCTTGTTGCAGACACTG	WT: 338bp
	R2	JS30389-Cd320-wt-tR1A	GAGGCGTAGCAATATGAGAAGGG	

### 3. Gel Image

ggaacggctcttccgagcccggtttaa---**5184bp**---acttggtggttctaaacaatctgtcttt



#### 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 °C	5min	20×
2	98 °C	30s	
3	65 °C (-0.5 °C/cycle)	30s	
4	72 °C	45s	
5	98 °C	30s	20×
6	55 °C	30s	
7	72 °C	45s	
8	72 °C	5min	
9	10 °C	hold	

Reviewer:Ting Sun

Date:2020-7-1