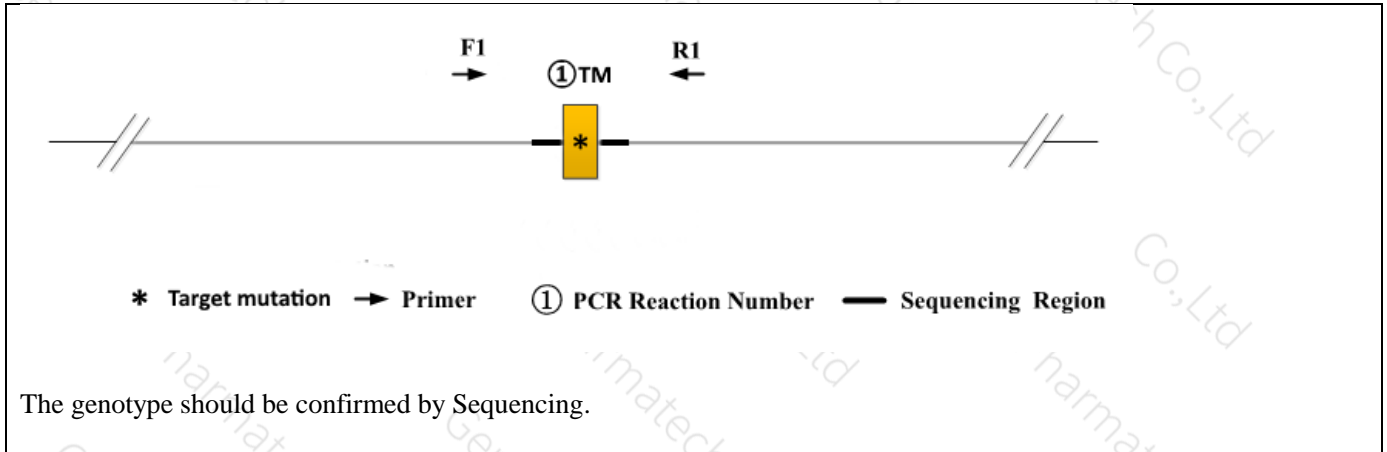


## Genotyping Report

Strain ID	T051542	Strain Type	KI(Cas9)	Genetic Background	C57BL/6JGpt
Designer	Tianjiao Wang	Gene Name	Trim28-p.K290R		

### 1. Strategy of Genotyping



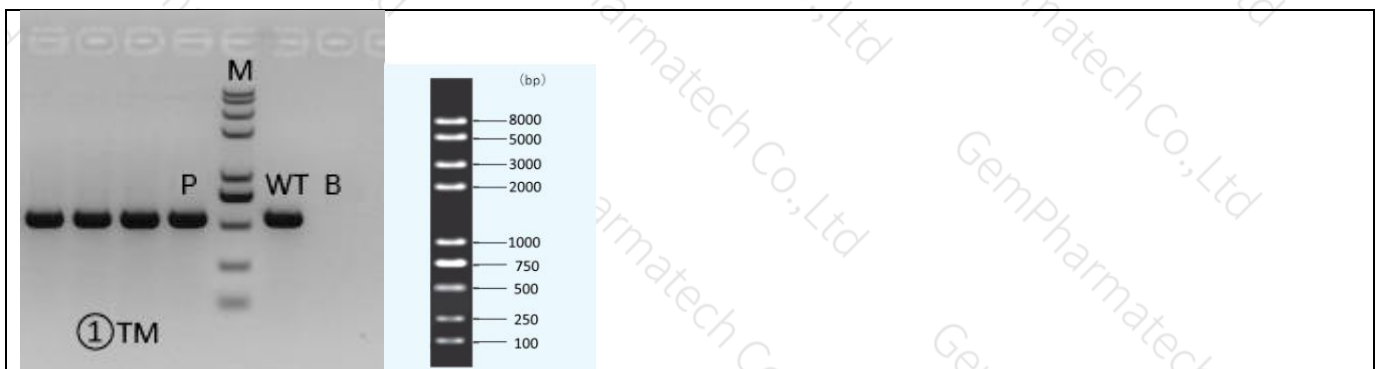
### 2. Primer Information

PCR No.	Primer No.	Sequence	Band Size
①TM	T051542-F1	GAAGATGCAGTGAGGAACCAACG	WT:537bp Targeted:537bp
	T051542-R1	TTAGGGAAAGCAGAGAGCACTAGG	

#### Sequencing:

Primer Name	Sequence	
JS06269-Trim28-wt-tF1	GAAGATGCAGTGAGGAACCAACG	①TM

### 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°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	