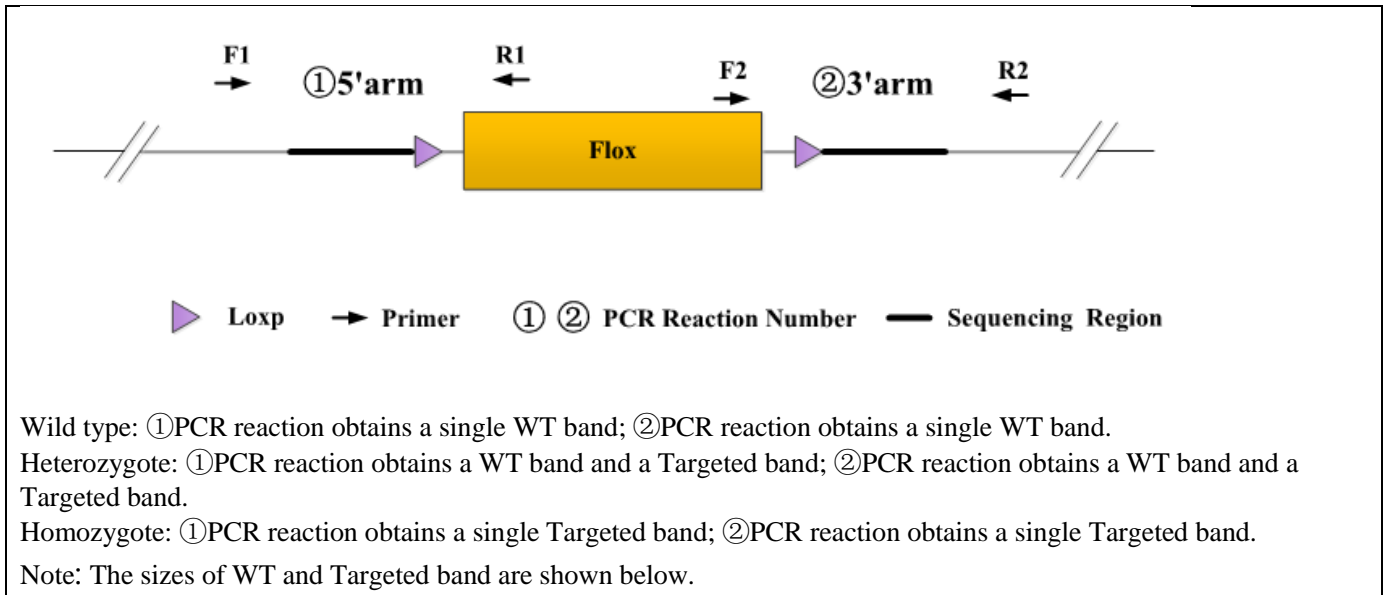


## Genotyping Report

Strain ID	T009160	Strain Type	CKO(Cas9)	Genetic Background	C57BL/6JGpt
Designer	Ya'nan Xu	Gene Name	Clock		

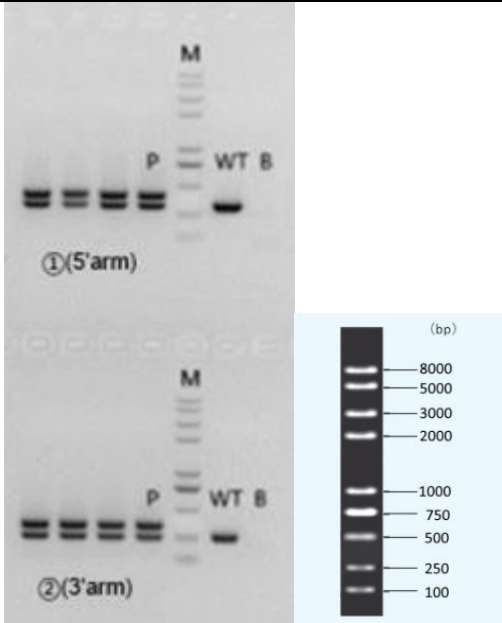
### 1. Strategy of Genotyping



### 2. Primer Information

PCR No.	Primer No.	Primer Name	Sequence	Band Size
①(5'arm)	F1	JS03036-Clock-5wt-tF2	CTGACCAAAGTCACTCTGCAAGTG	WT:297bp Targeted:399bp
	R1	JS03036-Clock-5wt-tR2	GGCTTTGATACACTCTGACTGATAA GCC	
②(3'arm)	F2	JS03036-Clock-3wt-tF2	TTCTCCTCTAGCTGCGCTGCT	WT:255bp Targeted:358bp
	R2	JS03036-Clock-3wt-tR2	GGTGGCTAGAAGGTGATTAGGTGA TG	

### 3. Gel Image & Conclusion



Note: P: Positive control; WT: Wildtype control; B: Blank control (ddH<sub>2</sub>O); M: DNA Ladder

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

