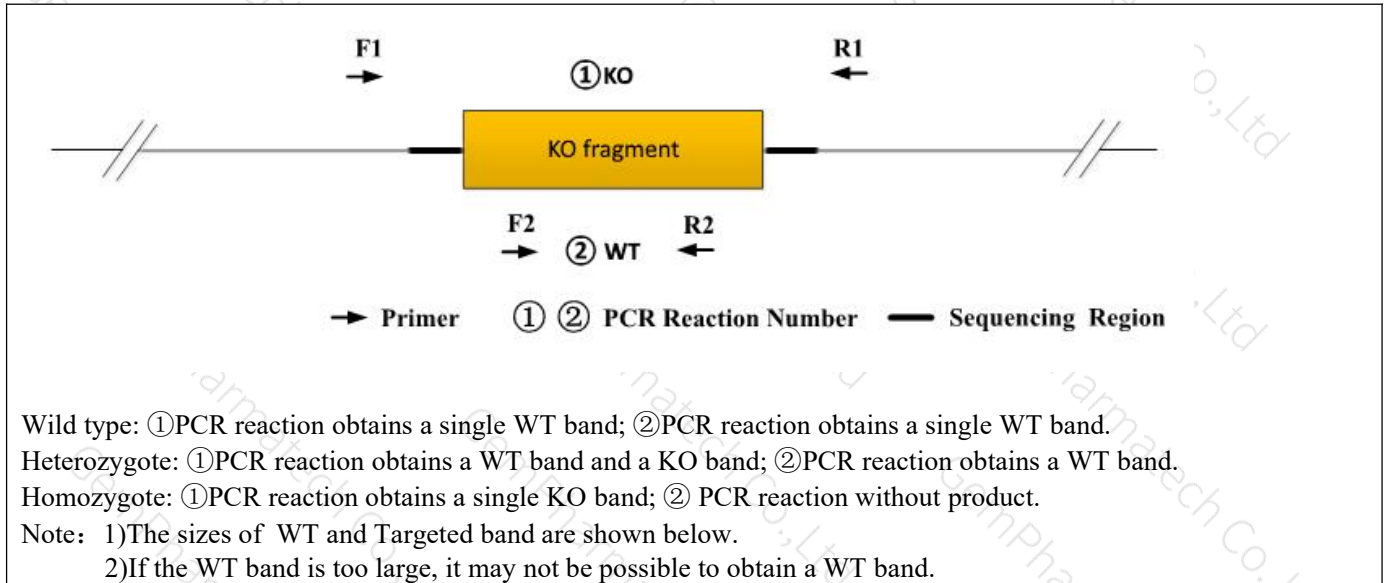


Genotyping Report

Strain ID	T011563	Strain Type	KO(Cas9)	Genetic Background	C57BL/6JGpt
Designer	Xinyuan Liang	Gene Name	<i>Setdb1</i>		

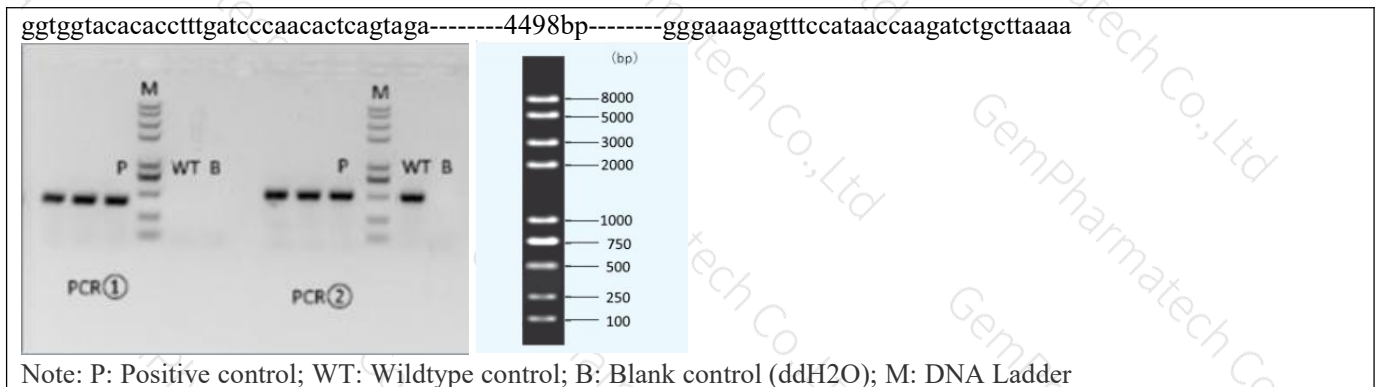
1. Strategy of Genotyping



2. Primer Information

PCR No.	Primer No.	Primer Name	Sequence	Band Size
PCR①	F1	T011563-F1A	CTTACTTTGCATGTGGATCACC	WT:4913bp KO: 415bp
	R1	T011563-R1A	ACTTTGTTGGCAAGGACTTCC	
PCR②	F2	T011563-F2A	AGAAGATAGCTCCTGCCGAG	WT:492bp KO:0bp
	R2	T011563-R2A	CCCATATTAGGACGGGTTCTG	

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 ₂ 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	