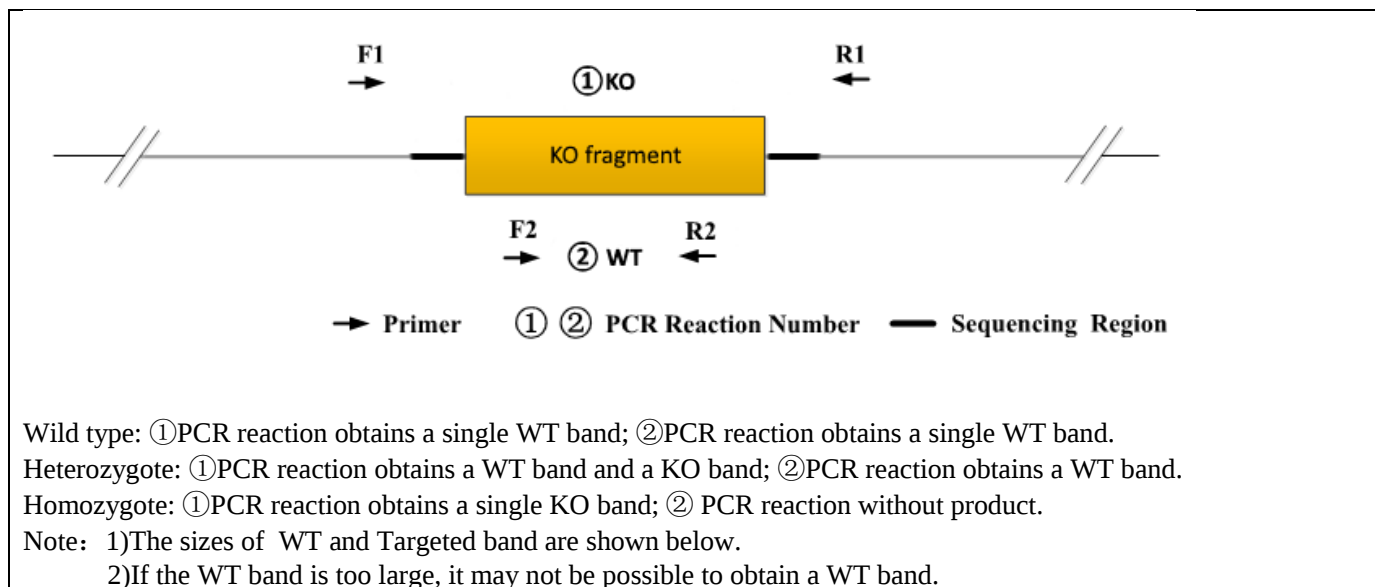


Genotyping Report

Strain ID	T002639	Strain Type	KO(Cas9)	Genetic Background	C57BL/6J
Designer	Dongdong Zhang	Gene Name	Usp22		

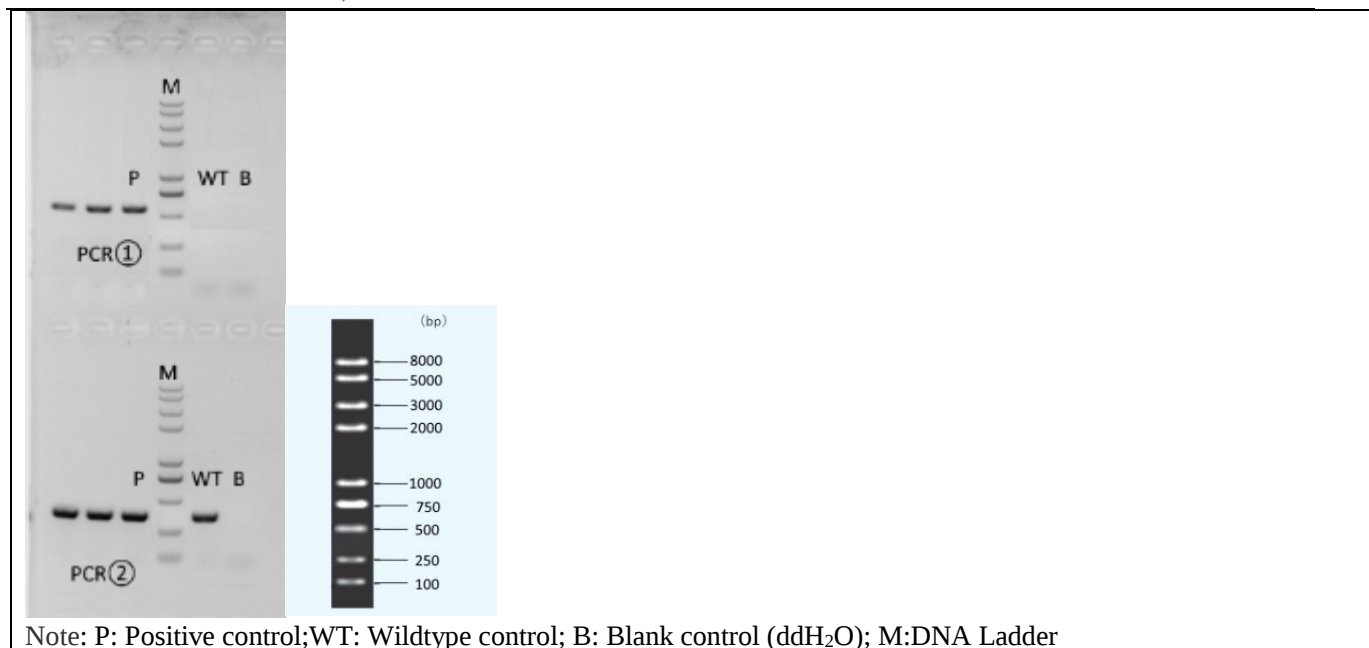
1. Strategy of Genotyping



2. Primer Information

PCR No.	Primer No.	Primer Name	Sequence	Band Size
PCR①	F1	Usp22-5in-F1	CCACTGTAGTTATCACATGG	WT: 1390bp KO: 584bp
	R1	Usp22-3in-R1	GAATCGAGCCTACCACACTA	
PCR②	F2	Usp22-wt-tF1	AGGAGAATGTGACAGGGTGCTAAG	WT:367bp
	R2	Usp22-wt-tR1	CACAAGGACCATTCCATCACAG	

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	ddH2O		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	20×
2	98℃	30s	
3	65℃ （-0.5℃/cycle）	30s	
4	72℃	45s	
5	98℃	30s	20×
6	55℃	30s	
7	72℃	45s	
8	72℃	5min	
9	10℃	hold	

