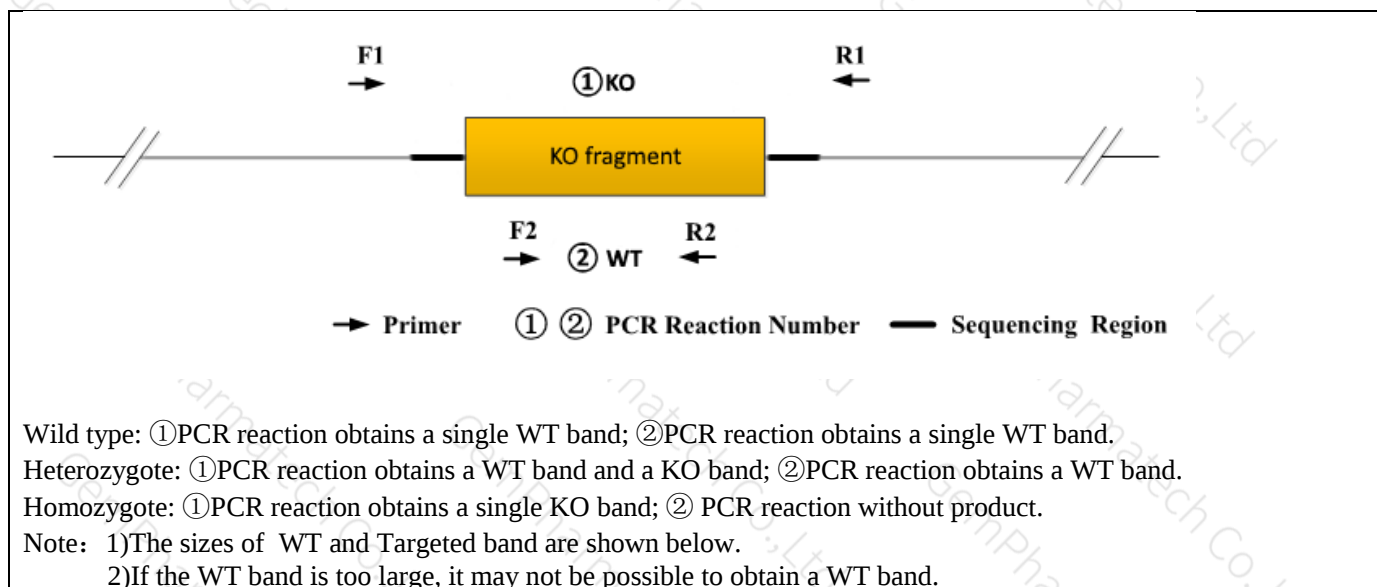


Genotyping Report

Strain ID	T029619	Strain Type	KO(Cas9)	Genetic Background	C57BL/6JGpt
Designer	Zifan Lin	Gene Name	<i>Igsf8</i>		

1. Strategy of Genotyping

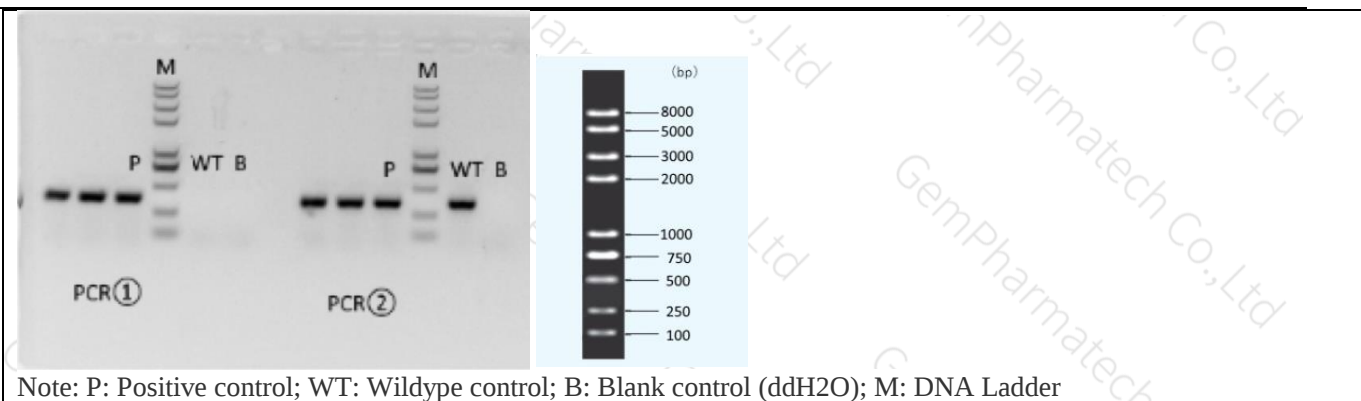


2. Primer Information

PCR No.	Primer No.	Sequence	Band Size
PCR①	T029619-F1	GTCACACCTCCATACCCATGTCAT	WT: 14191bp KO: 377bp
	T029619-R1	GAGGAGTCTGGTCCAAGACTAGTTCA	
PCR②	T029619-F2	CACAGTTCCTTAGCTTCCAAGGCTGT	WT: 347bp KO: 0bp
	T029619-R2	TGTCAAAGAGCAAAAGCAGGCCTCA	

3. Gel Image

tttcctgaactcatttaccagtcactaac---13878bp--- CATCGCATTGTCTGAGTAGGTGCTTAAGGGATCCAGATCTGGGCCCATAACTTCGTATAGCATAaatggggctt ctatttgggaagggggacct
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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	