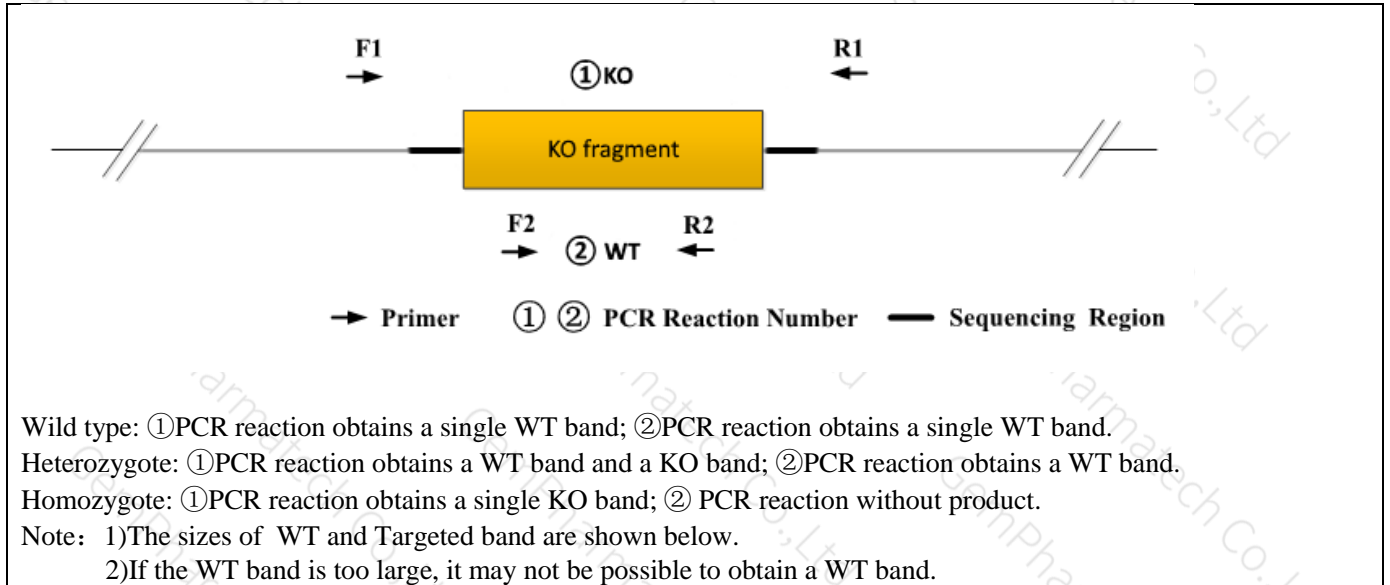


Genotyping Report

Strain ID	T013700	Strain Type	KO(Cas9)	Genetic Background	C57BL/6JGpt
Designer	Zifan Lin	Gene Name	<i>Cd80</i>		

1. Strategy of Genotyping

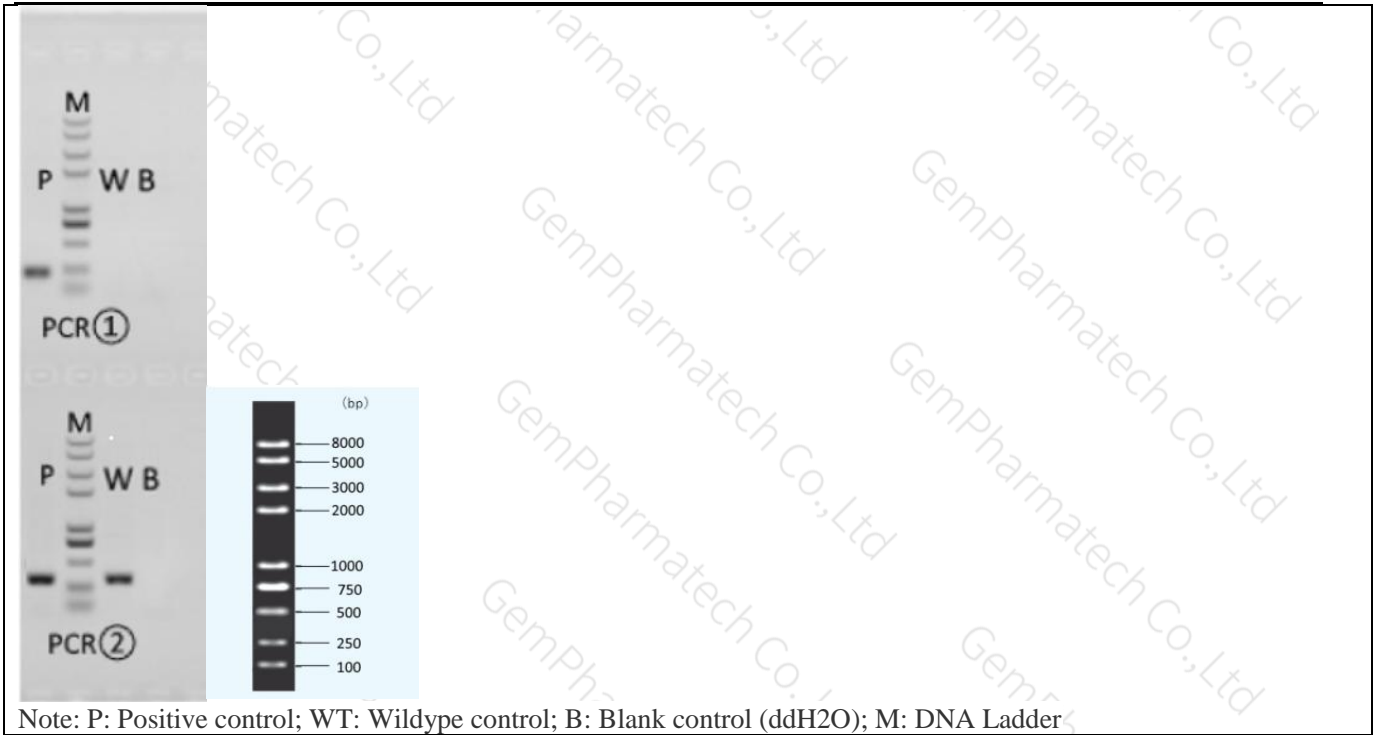


2. Primer Information

PCR No.	Primer No.	Sequence	Band Size
PCR①	T013700-F1	GTGACTGTTATGTCACATGGCAAGG	WT:15016bp KO: 242bp
	T013700-R1	GCACATGAAGCATATTGGACAGG	
PCR②	T013700-F2	GCTGTTTCAGAAGAAATGAGGCAAG	WT:307bp KO:0bp
	T013700-R2	AGCCTTTCCACTTCAGTCATCAAGC	

3. Gel Image

caaccacaagaaggccagtagattgaagtagtca-----**14774bp**-----ggctcgtggcagcgatgacctcagataacggaga



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

