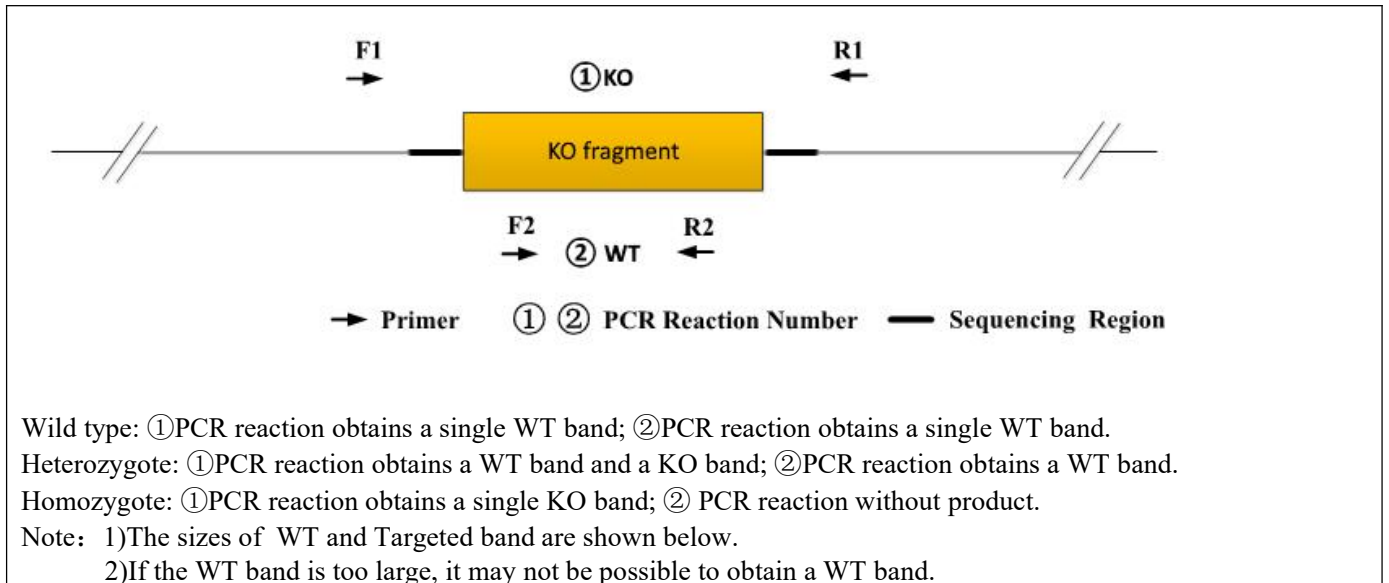


Genotyping Report

Strain ID	T005980	Strain Type	KO(Cas9)	Genetic Background	C57BL/6JGpt
Designer	Zifan Lin	Gene Name	<i>Ii4ra</i>		

1. Strategy of Genotyping

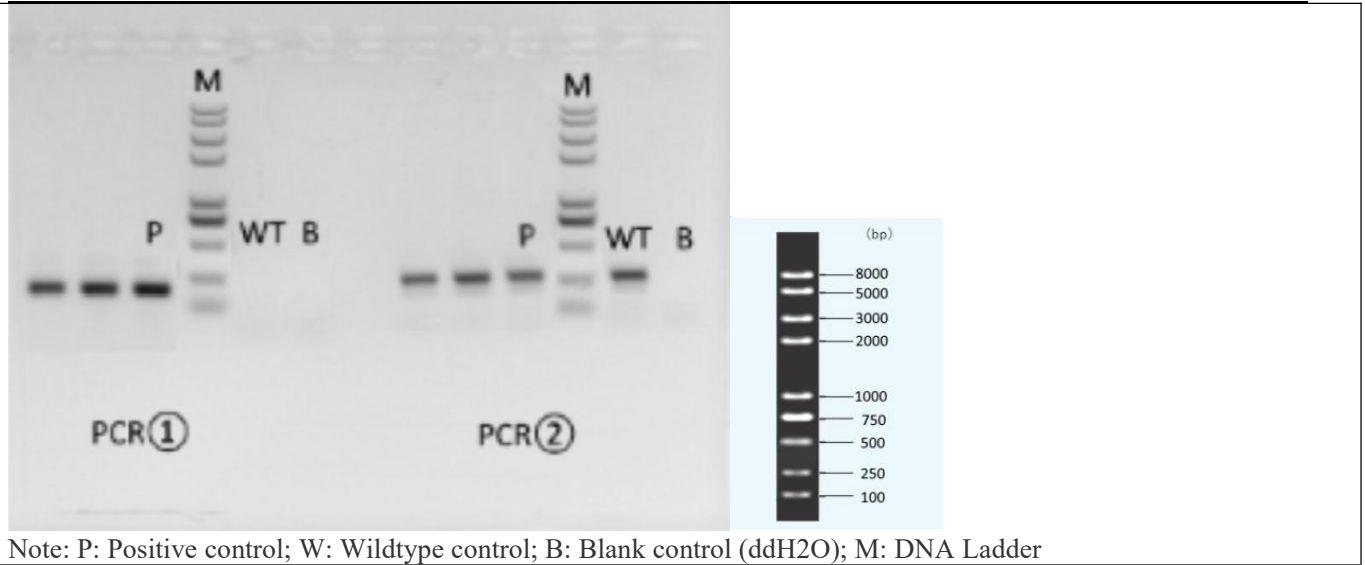


2. Primer Information

PCR No.	Primer No.	Primer Name	Sequence	Band Size
PCR①	F1	JS00417-II4ra-5wt-tF1	AATTCCTGGCAGGGAGCTGATG	WT:6912bp KO: 216bp
	R1	JS00417-II4ra-3wt-tR1	CAGAGAAACTCTGCATCAGAACAGC	
PCR②	F2	JS10417-II4ra-wt-tF1	CATTCTCCTGACTCCCTGTCCA	WT:290bp KO:0bp
	R2	JS10417-II4ra-wt-tR1	CCTATCTATGCACTTACGACGGGT	

3. Gel Image

ttggctaagcctcttgggtaccaagggtcagagc-----6696bp-----ctggctaagtgcaggagtgccagagcctctctct



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	

Reviewer:Ting Sun

Date:2020-7-1