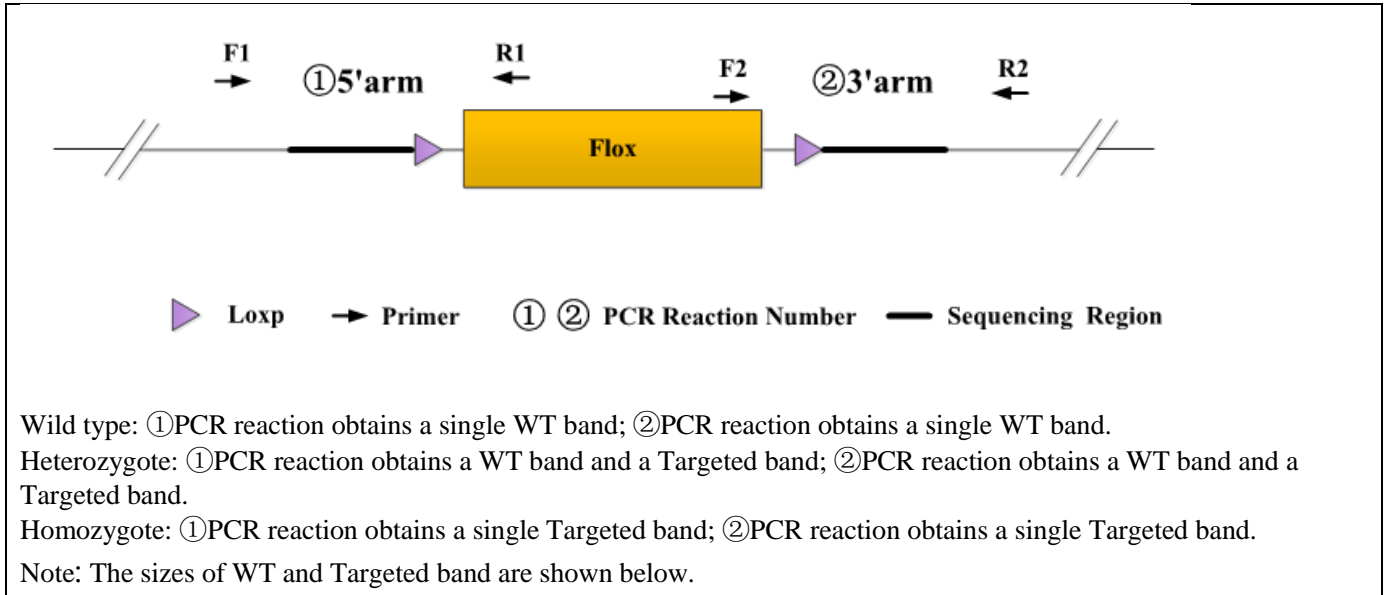


Genotyping Report

Strain ID	T009170	Strain Type	CKO(Cas9)	Genetic Background	C57BL/6JGpt
Designer	Ya'nan Xu	Gene Name	<i>Itgav</i>		

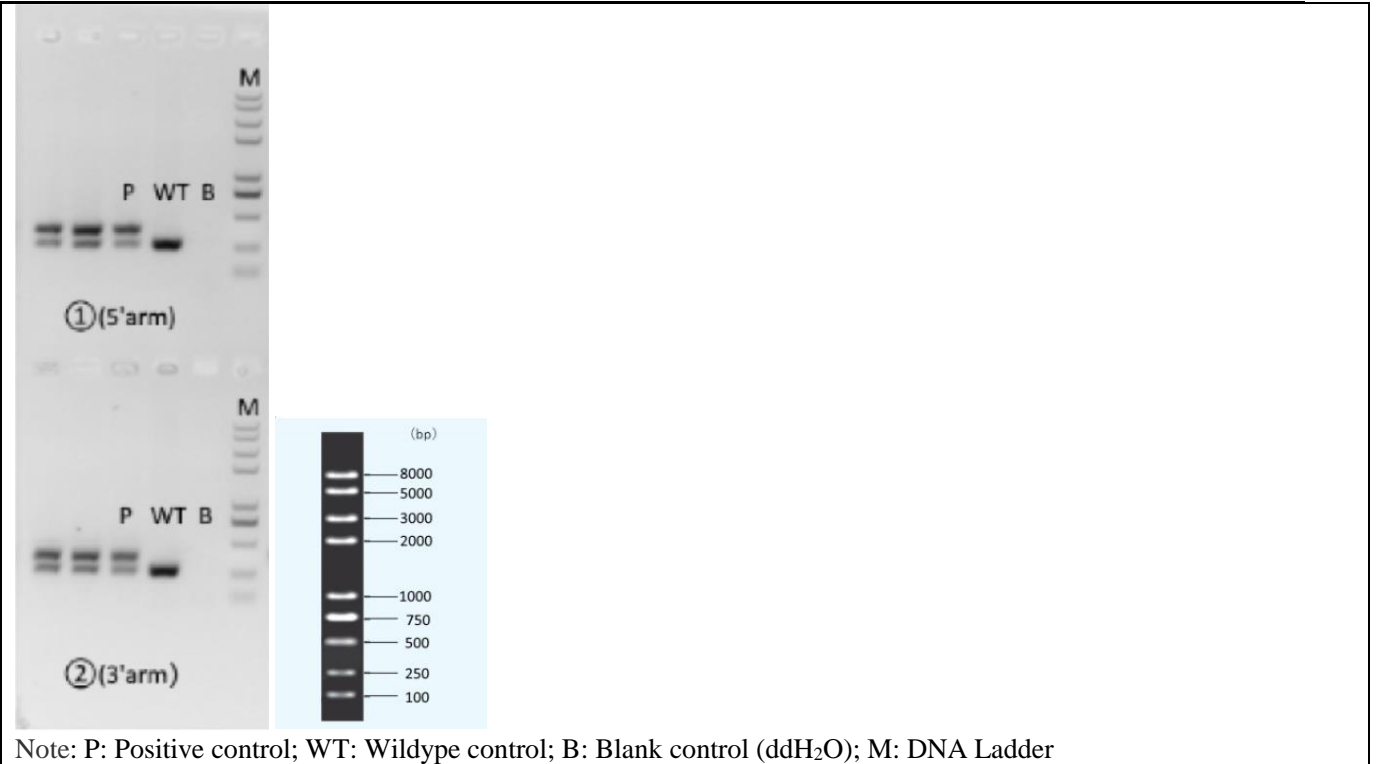
1. Strategy of Genotyping



2. Primer Information

PCR No.	Primer No.	Primer Name	Sequence	Band Size
①(5'arm)	F1	JS03046-Itgav-5wt-tF2	CTCCATTCCTTGAAGGTAAC TTTCC	WT:269bp Targeted:374bp
	R1	JS03046-Itgav-5wt-tR2	TGGGCACCACTACTCCTGAGCTAA	
②(3'arm)	F2	JS03046-Itgav-3wt-tF2	TTCTGGCCTCCAAAGGCACG	WT:279bp Targeted:380bp
	R2	JS03046-Itgav-3wt-tR2	CCCTATTCCTGAGGAGATAGAGAC TTG	

3. Gel Image & Conclusion



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	20×
6	55°C	30s	
7	72°C	45s	
8	72°C	5min	
9	10°C	hold	

Reviewer:Ting Sun

Date:2020-5-12