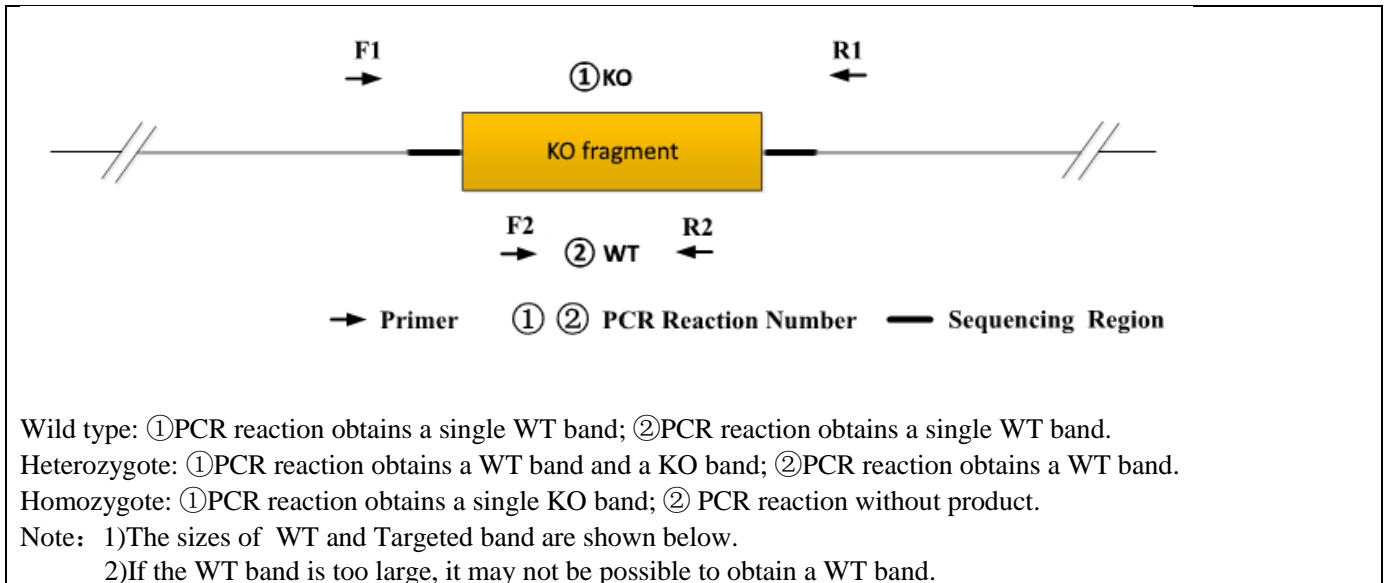


Genotyping Report

Strain ID	T017018	Strain Type	KO(Cas9)	Genetic Background	C57BL/6J
Designer	Ya'nan Xu	Gene Name	<i>Trpa1</i>		

1. Strategy of Genotyping



2. Primer Information

PCR No.	Primer No.	Primer Name	Sequence	Band Size
PCR ①	F1	JS05721-Trpa1-5wt-tF1	AAACTCTCACAGCGTCCATCTGCA	WT: 2100bp Target: 366bp
	R1	JS05721-Trpa1-3wt-tR1	TTATCATCACAGTGACCGCTCTCC	
PCR ②	F2	JS15721-Trpa1-wt-tF1	AGGCAGTTGTCTTAGATGCTTGAAC	WT: 331bp
	R2	JS15721-Trpa1-wt-tR1	AAACAAACAAGGGCCTCTGCTTTG	

3. Gel Image

gcatagcttcaggaagaagcatttggagtactac-----**1734bp**-----atcagtggatgagactgaggaataaatggacata



Note: P: Positive control; WT: Wildtype control; B: Blank control (ddH₂O); M:DNA Ladder

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:2020-4-27