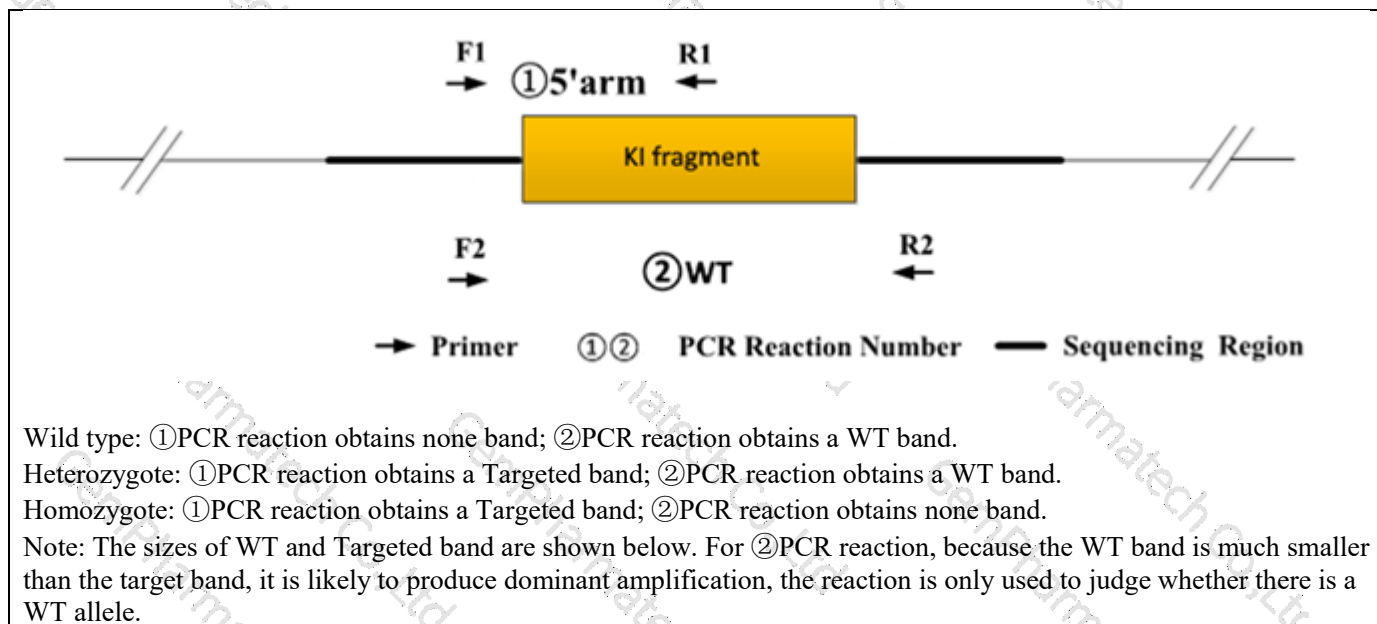


Genotyping Report

Strain ID	T050753	Strain Type	KI(Cas9)	Genetic Background	C57BL/6JGpt
Designer	Dongdong Zhang	Gene Name	EGFP-P2A-Camk2a		

1. Strategy of Genotyping

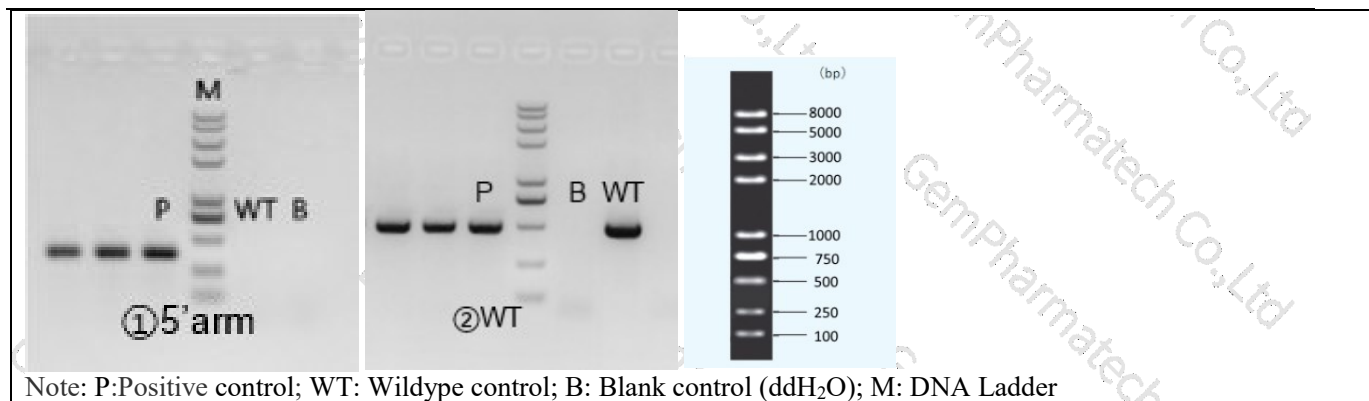


2. Primer Information

PCR No.	Primer No.	Sequence	Band Size
① 5'arm GC: 63.7%	T050753-F1	AAGTGAAAGGCAGGCAGGTGTT	WT:0bp Targeted:364bp
	T050753-R1	AACTTGTGGCCGTTTACGTCG	
② WT	T050753-F2	AAGTGAAAGGCAGGCAGGTGTT	WT:545bp Targeted:1319bp
	T050753-R2	CAGTGCTTCCAAATCATGCTGC	

3. Gel Image & Conclusion

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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	