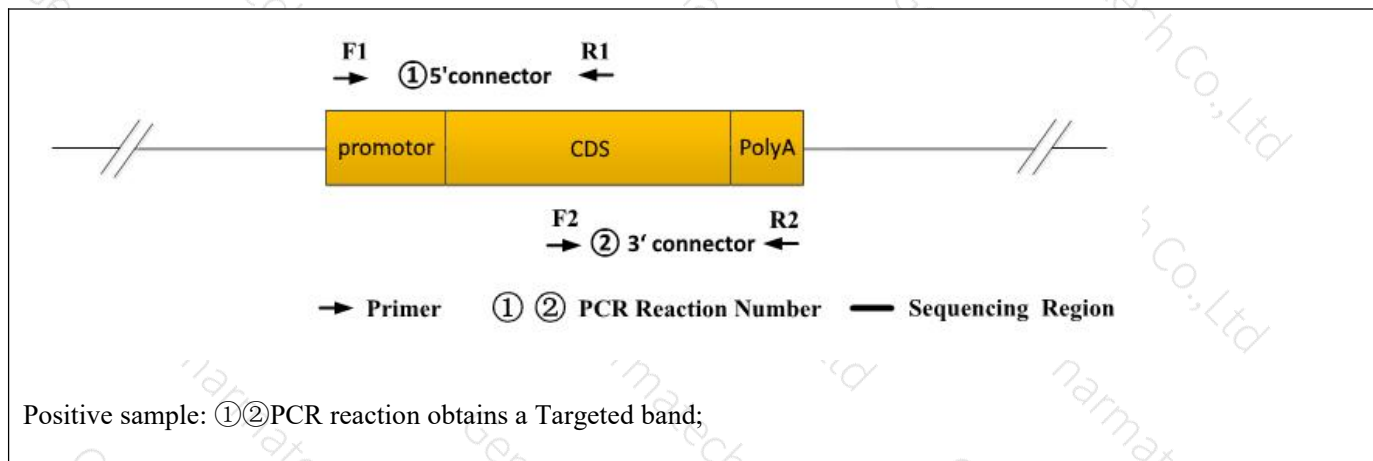


Genotyping Report

Strain ID	T052679	Strain Type	TG	Genetic Background	C57BL/6JGpt
Designer	Tiantian Sun	Gene Name	<i>Adipoq-CreERT2</i>		

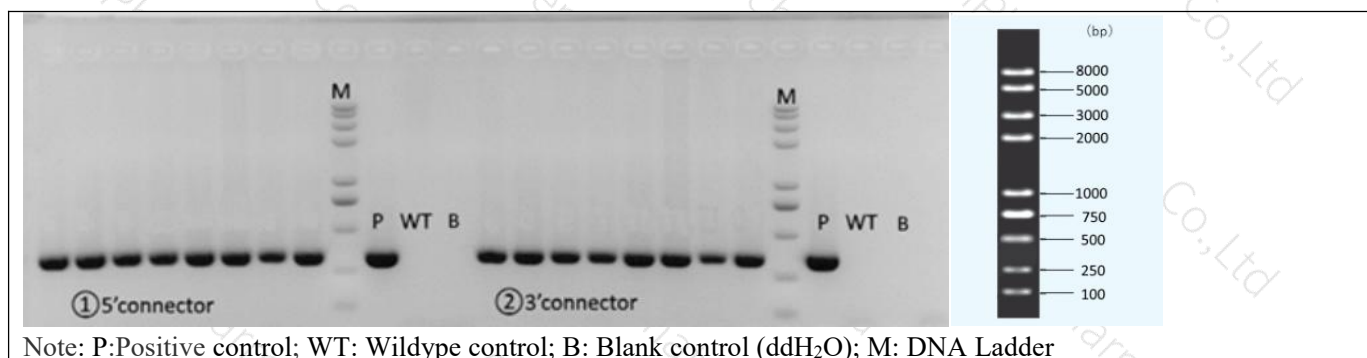
1. Strategy of Genotyping



2. Primer Information

PCR No.	Primer No.	Primer Name	Sequence	Band Size
① 5' connector	F1	T052679-F1	GGTAGCCACTGAAGGCTCTCTG	WT:0bp Targeted:345bp
	R1	T052679-R1	TTCCGGTTATTCAACTTGCACC	
② 3' connector	F2	T052679-F2	GCATGAAGTGCAAGAACGTGG	WT:0bp Targeted:351bp
	R2	T052679-R2	AGCCAGAAGTCAGATGCTCAAG	

3. Gel Image & Conclusion



4. PCR Condition

(Generally recommend to use Vazyme P222; If the sequences contain special structures such as GC% $\geq$ 60% or

GC% ≤ 40%, recommend to use Vazyme P515.)

PCR Reaction Component

Seg.	reaction component	Volume (μl)
1	2 × Rapid Taq Master Mix(Vazyme P222) or 2 × Phanta Max Master Mix (Vazyme P515)	12.5
2	ddH ₂ O	9.5
3	Primer A(10pmol/μl)	1
4	Primer B(10pmol/μl)	1
5	Template(20~80ng/μl)	1

PCR program I priority selection

Seg.	Temp.	Time	Cycle
1	95℃	5min	
2	98℃	30s	20×
3	65℃* (-0.5℃/cycle)	30s	
4	72℃	45s*	
5	98℃	30s	15×
6	55℃*	30s	
7	72℃	45s*	
8	72℃	5min	
9	10℃	hold	

PCR program II the second choice

Seg.	Temp.	Time	Cycle
1	95℃	5min	
2	98℃	30s	35×
3	58℃*	30s	
4	72℃	45s*	
5	72℃	5min	
6	10℃	hold	

Note*: Annealing temperature and extension time can be determined according to the actual amplification situation and amplification enzyme efficiency.