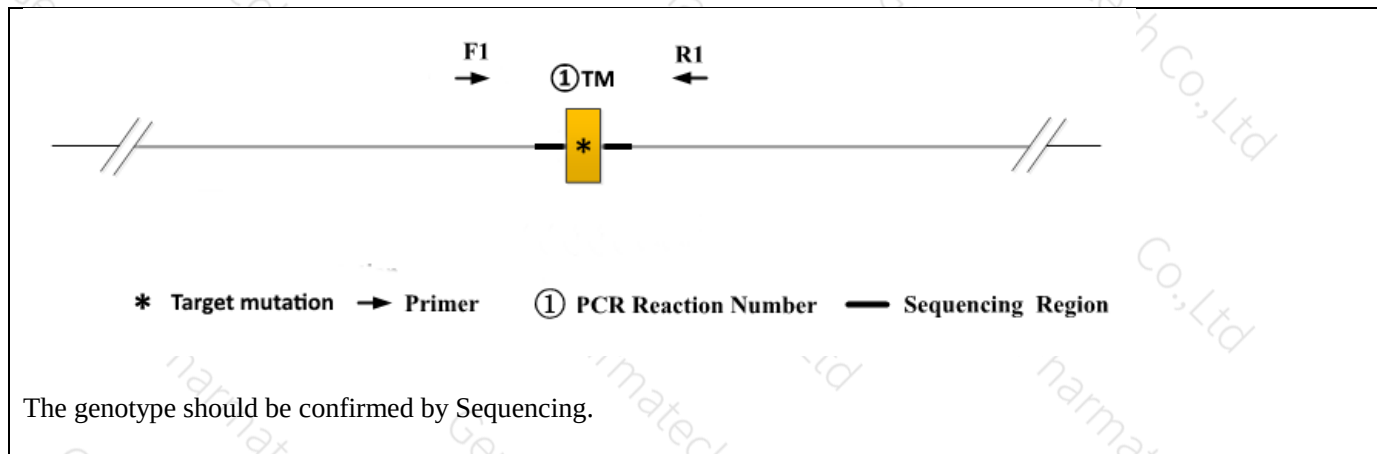


Genotyping Report

Strain ID	T051730	Strain Type	KI(Cas9)	Genetic Background	C57BL/6JGpt
Designer	Tianjiao Wang	Gene Name	Ush2a-N2551S		

1. Strategy of Genotyping



2. Primer Information

PCR No.	Primer No.	Sequence	Band Size
①TM	T051730-F1	ACCCATGTTGAGTAGGACAGTCATG	WT:525bp
	T051730-R1	TCTCAACCAAGAGATCCAGGTGTG	Targeted:525bp

Sequencing:

Primer Name	Sequence	
JS43279-Ush2a-wt-tR1	TCTCAACCAAGAGATCCAGGTGTG	①TM

3. Gel Image



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	