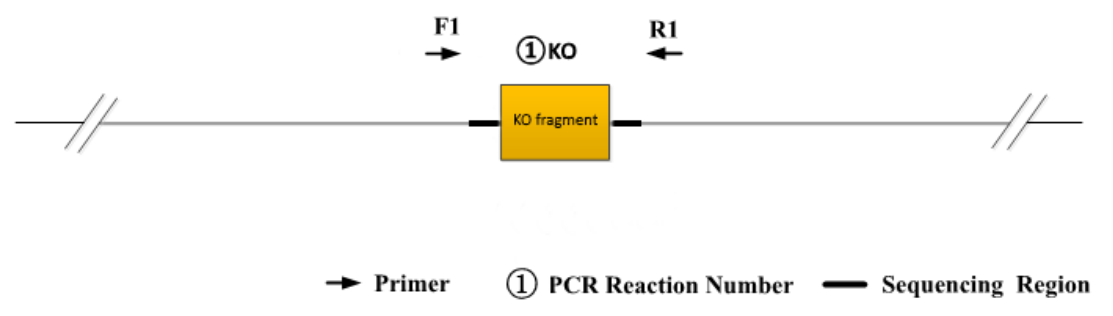


## Genotyping Report

Strain ID	T001562	Strain Type	KO(Cas9)	Genetic Background	NOD/ShiLtJGpt
Designer	Zifan Lin	Gene Name	<i>H2-Ab1</i>		

### 1. Strategy of Genotyping



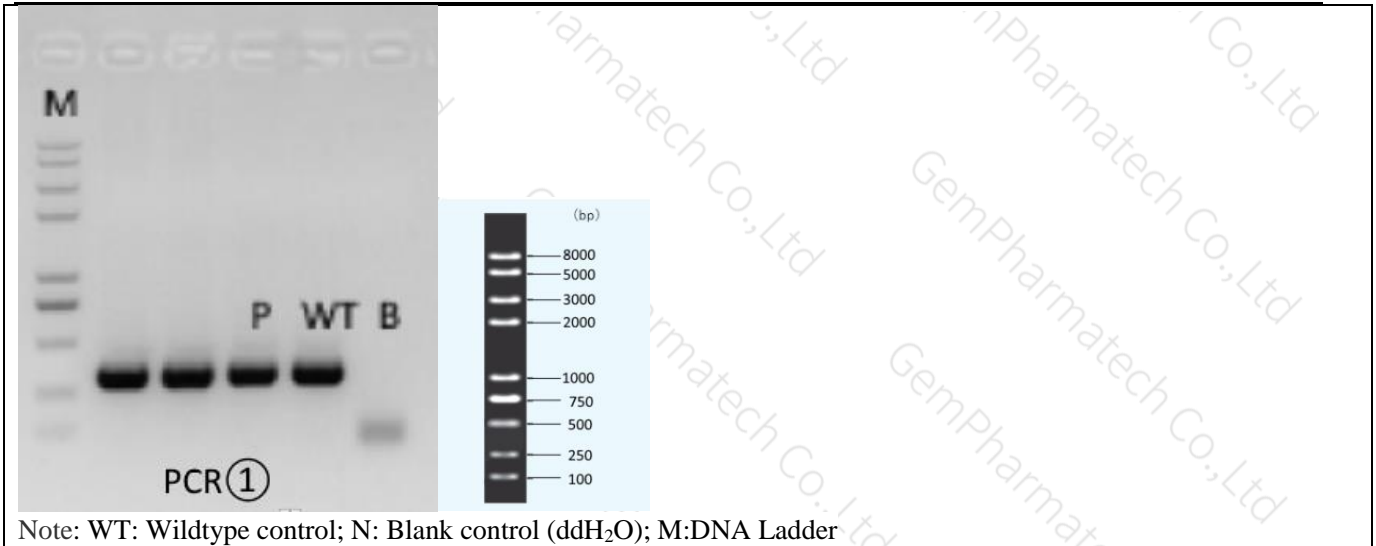
Wild type: ①PCR reaction obtains a single WT band.  
 Heterozygote: ①PCR reaction obtains a WT band and a KO band.  
 Homozygote: ①PCR reaction obtains a single KO band.  
 Note: 1)The sizes of WT and Targeted band are shown below.  
 2)If the KO fragment  $\leq 20$ bp, the genotype should be confirmed by Sequencing.  
 Sequence: gtgcagacacaac**GAGGAGACAA**cgaggagacggaggtcccccac -2bp+10bp

### 2. Primer Information

PCR No.	Primer Name	Sequence	Band Size
PCR①	T001562-F1	GCGAGTGCTACTTCACCAACGG	WT: 320bp KO: 328bp
	T001562-R1	TCCTCAGGCGGGA ACTCTGCT	

### 3. Gel Image

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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	ddH <sub>2</sub> 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℃	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	