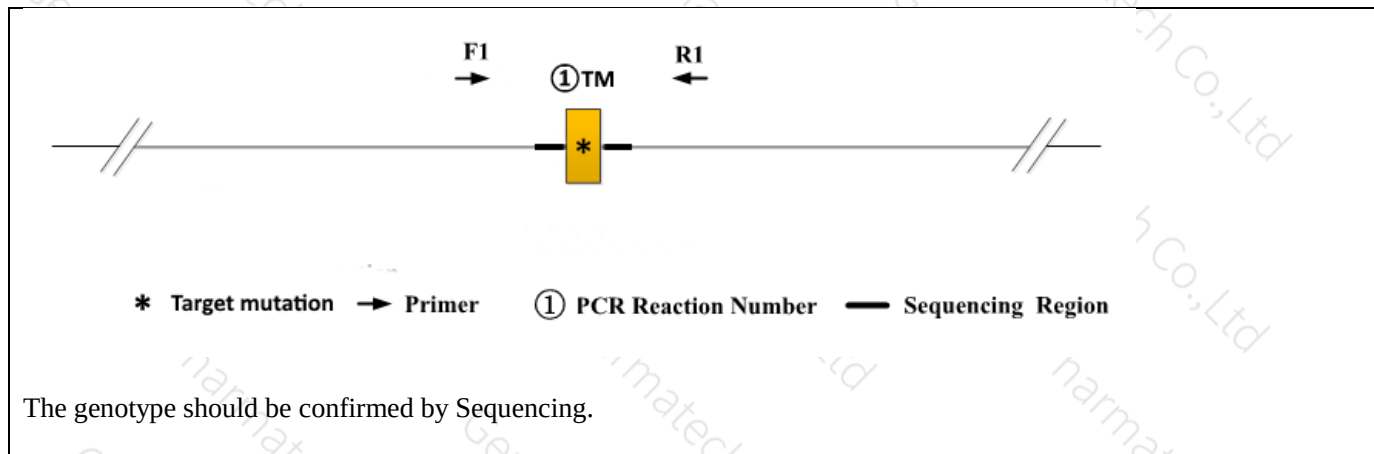


## Genotyping Report

|           |               |             |             |                    |             |
|-----------|---------------|-------------|-------------|--------------------|-------------|
| Strain ID | T053818       | Strain Type | KI(Cas9)    | Genetic Background | C57BL/6JGpt |
| Designer  | Tianjiao Wang | Gene Name   | Taok2-A135P |                    |             |

### 1. Strategy of Genotyping



### 2. Primer Information

| PCR No. | Primer No. | Sequence                | Band Size      |
|---------|------------|-------------------------|----------------|
| ①TM     | T053818-F1 | TGACCCTTCCTTAGCTGGTGATG | WT:518bp       |
|         | T053818-R1 | AGGTGCCATGATTGACGCAGAG  | Targeted:518bp |

#### Sequencing:

| Primer Name | Sequence               |     |
|-------------|------------------------|-----|
| T053818-R1  | AGGTGCCATGATTGACGCAGAG | 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 |             |