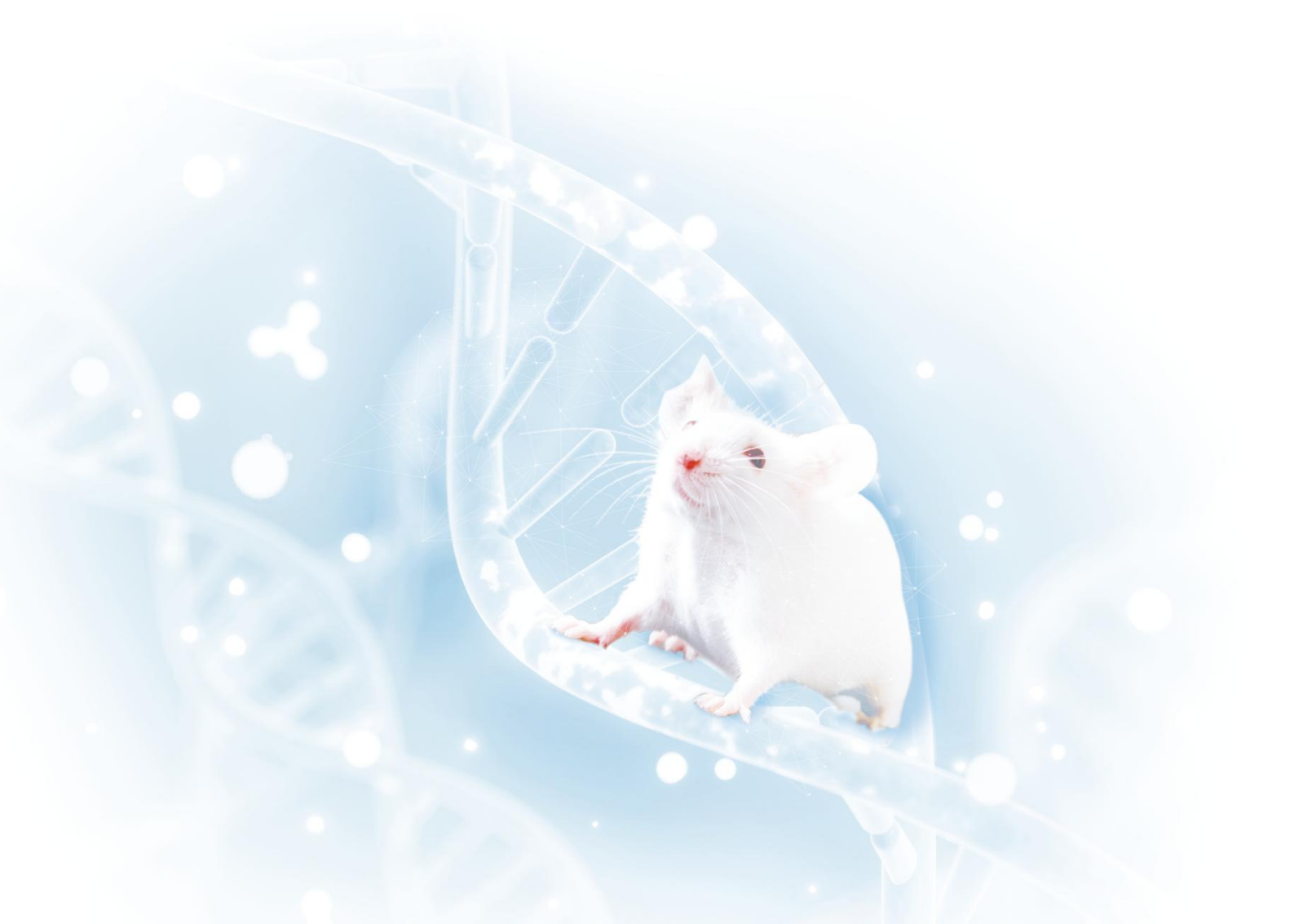
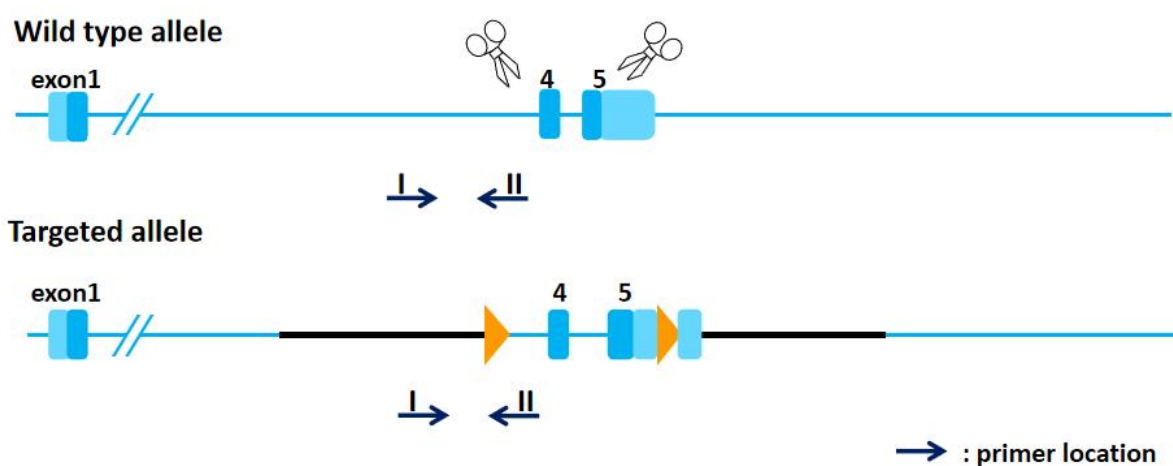


# Cxcl16-Flox Genotyping Protocol



|                  |             |          |               |
|------------------|-------------|----------|---------------|
| Common Name      | Cxcl16-Flox | Cat. NO. | NM-CKO-230232 |
| Strain of Origin | C57BL/6J    | Version  | V1            |

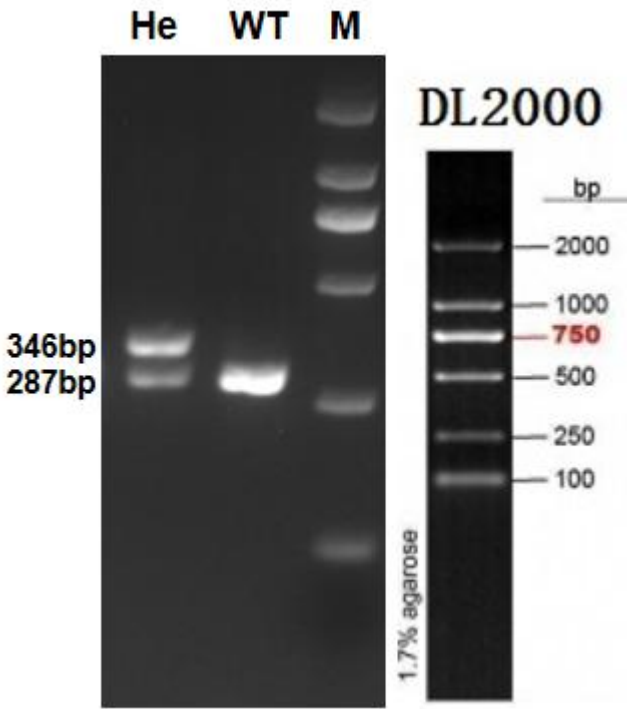
### Genotyping strategy



### Primers

| Primer | Sequence (5' →3' )   | Primer type |
|--------|----------------------|-------------|
| P1     | GGTCCCCCTTCCTGCTTTAC | Forward     |
| P2     | CACAGGCACACACCCCAC   | Reverse     |

### Expected results

|          |                                                                                                               |
|----------|---------------------------------------------------------------------------------------------------------------|
| Results  |                             |
| Genotype | <p>Wild type: P1P2 =287 bp;</p> <p>Heterozygote: P1P2 =287 bp and 346 bp;</p> <p>Homozygote: P1P2 =346 bp</p> |

### Reaction &Cycling

|                           |                                                        |             |
|---------------------------|--------------------------------------------------------|-------------|
| PCR<br>Reaction<br>System | Reaction Component                                     | Volume (μl) |
|                           | ddH <sub>2</sub> O                                     | 8.0         |
|                           | 2×Taq Plus Master Mix                                  | 10.0        |
|                           | P1(10 pmol/μl)                                         | 0.5         |
|                           | P2(10 pmol/μl)                                         | 0.5         |
|                           | Genomic DNA                                            | 1.0         |
|                           | Total                                                  | 20          |
|                           | 2×Taq Plus Master Mix from Vazyme(Code Number: P222-1) |             |

| Cycling<br>Reaction | Step | Temp | Time   | Note            |
|---------------------|------|------|--------|-----------------|
|                     | 1    | 95°C | 5 min  |                 |
|                     | 2    | 95°C | 20 sec |                 |
|                     | 3    | 60°C | 20 sec |                 |
|                     | 4    | 72°C | 20 sec | 35 repeats to 2 |
|                     | 5    | 72°C | 5 min  |                 |
|                     | 6    | 12°C | Hold   |                 |