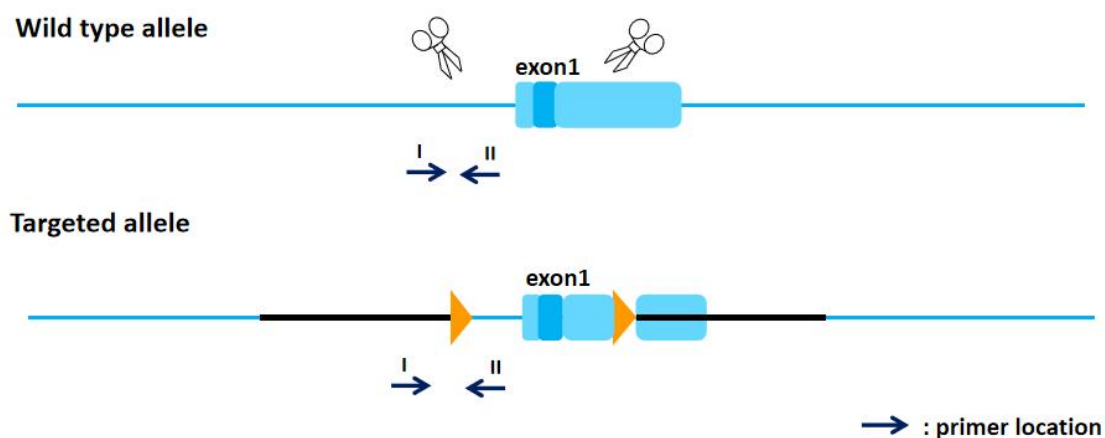


# Trim52-Flox Genotyping Protocol



|                         |             |                 |               |
|-------------------------|-------------|-----------------|---------------|
| <b>Common Name</b>      | Trim52-Flox | <b>Cat. NO.</b> | NM-CK0-240086 |
| <b>Strain of Origin</b> | C57BL/6J    | <b>Version</b>  | V1            |

### Genotyping strategy



### Primers

| Primer    | Sequence (5' → 3' )      | Primer type |
|-----------|--------------------------|-------------|
| <b>P1</b> | ATAGCTCAGGCTGTCAGTGG     | Forward     |
| <b>P2</b> | TGAAGTACACTCTTGTTTCTTCCT | Reverse     |

### Expected results

|          |                                                                                                               |
|----------|---------------------------------------------------------------------------------------------------------------|
| Results  |                                                                                                               |
| Genotype | <p>Wild type: P1P2 =228 bp;</p> <p>Heterozygote: P1P2 =287 bp and 228 bp;</p> <p>Homozygote: P1P2 =287 bp</p> |

### Reaction &Cycling

|                           |                          |             |
|---------------------------|--------------------------|-------------|
| PCR<br>Reaction<br>System | Reaction Component       | Volume (μl) |
|                           | ddH2O                    | 8.0         |
|                           | 2 × Rapid Taq Master Mix | 10.0        |
|                           | P1 (10 pmol/μl)          | 0.5         |
|                           | P2 (10 pmol/μl)          | 0.5         |
|                           | Genomic DNA              | 1.0         |

|                     |                                                             |       |        |                 |
|---------------------|-------------------------------------------------------------|-------|--------|-----------------|
|                     | Total                                                       |       |        | 20              |
|                     | 2 × Rapid Taq Master Mix from Vazyme (Code Number: P222-01) |       |        |                 |
| 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   |                 |