

## PCR protocol

RBRC 04167

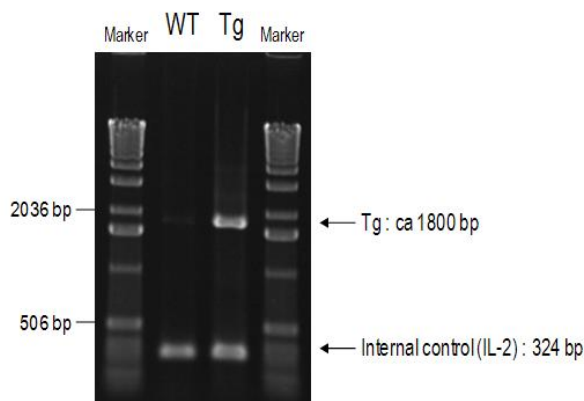
**Strain name** C57BL/6N-Tg(Thy1-ChR2/mCherry)401-10Sasa/Rbrc

| Primer | primer_name   | primer_seq                | length |  |                         |
|--------|---------------|---------------------------|--------|--|-------------------------|
| 1      |               | GCTGGAATCAAAGGTGTGAGCTC   | 23     |  | RIKEN BRC               |
| 2      | mCherry-LC3 R | CTTGTAACAGCTCGTCCATGCCGCC | 24     |  | Depositor's primer      |
| 3      | oIMR0042      | CTAGGCCACAGAATTGAAAGATCT  | 24     |  | JAX Genotyping Protocol |
| 4      | oIMR0043      | GTAGGTGGAAATTCTAGCATCATCC | 25     |  | JAX Genotyping Protocol |
|        |               |                           |        |  |                         |
|        |               |                           |        |  |                         |
|        |               |                           |        |  |                         |
|        |               |                           |        |  |                         |
|        |               |                           |        |  |                         |

## Reaction Components

|               |                                                |
|---------------|------------------------------------------------|
| <b>Enzyme</b> | TaKaRa LA Taq with GC buffer (Cat. No. RR02AG) |
|---------------|------------------------------------------------|

### Reaction Conditions

[illegible][illegible]

## Marker

1 kb DNA ladder (Invitrogen, Cat. 15615-024)

## Gel

|                                       |
|---------------------------------------|
| 1% agarose in 1 X TAE (100 V, 30 min) |
|---------------------------------------|

## PCR products

| primer_set |          | product_size | product                 |
|------------|----------|--------------|-------------------------|
| primer 1   | primer 2 | ca 1800 bp   | Tg                      |
| primer 3   | primer 4 | 324 bp       | Internal control (IL-2) |
|            |          |              |                         |
|            |          |              |                         |
|            |          |              |                         |

### Comment