

RBRC 06385

Strain name C57BL/6-Dhx15<tm1Hijo>

| Primer | primer_name | primer_seq | length | |
|--------|-------------|--------------------------|--------|--------------------|
| 1 | | AAATGTGTCTCACCAGGTGCCCG | 24 | Depositor's primer |
| 2 | | TGAGGTTGGTATGTCAGCTGAGGG | 24 | Depositor's primer |
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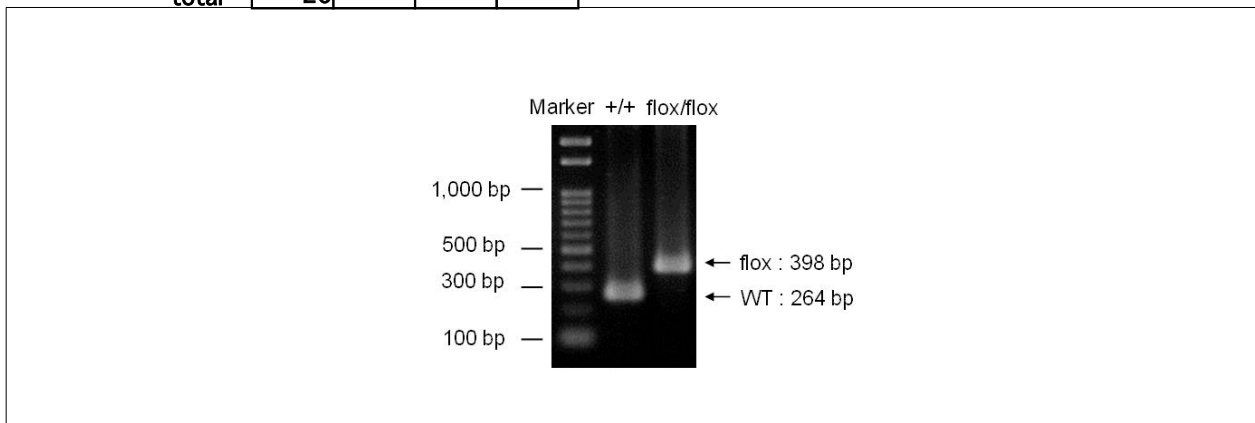
Reaction Components

Enzyme TOYOBO KOD FX (Code.No : KFX-101)

Reaction Conditions

| step | temp (°C) | time (sec) | note |
|------|-----------|------------|-----------------------|
| 1 | 94 | 120 | |
| 2 | 98 | 10* | |
| 3 | 60 | 30* | |
| 4 | 68 | 60* | *Repeat for 30 cycles |
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| | Conc | Run 1 | Run 2 | Run 3 | Run 4 |
|--------------|------------------|-----------|-------|-------|-------|
| H2O | | 2.8 | | | |
| PCR buffer | 2 X | 10.0 | | | |
| dNTP | 2.0 mM | 4.0 | | | |
| primer 1 | 10 pmol/ μ l | 1.0 | | | |
| primer 2 | 10 pmol/ μ l | 1.0 | | | |
| DNA | | 1.0 | | | |
| Taq | 1 U/ μ l | 0.2 | | | |
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| | | | | | |
| total | | 20 | | | |



Marker
Gene Ladder 100 (Wako, Cat. 316-06951)

Gel
2% agarose in 1 X TAE (100 V, 30 min)

| PCR products | | | |
|--------------|-------------------|--------------|---------|
| | primer_set | product_size | product |
| | primer 1 primer 2 | 264 bp | WT |
| | primer 1 primer 2 | 398 bp | flox |
| | | | |
| | | | |
| | | | |

Comment Novagen KOD Xtreme™ Hot Start DNA Polymerase can be purchased from EMD.