

PCR protocol

RBRC 04952

Strain name B6;B6CB-FstI4<tm1Ngo>

| Primer | primer_name | primer_seq | length | |
|--------|--------------|------------------------------|--------|--------------------|
| 1 | mMahya-2 Wt | AGAGTCGCAGGCAGAGGTATGG | 22 | Depositor's primer |
| 2 | mMahya-2 Rev | GGAAGGTTCTCTGTGGGTGG | 20 | Depositor's primer |
| 3 | NEO-FW | GTA C TCGGATGGAAGCCGGTCTTGTC | 26 | Depositor's primer |
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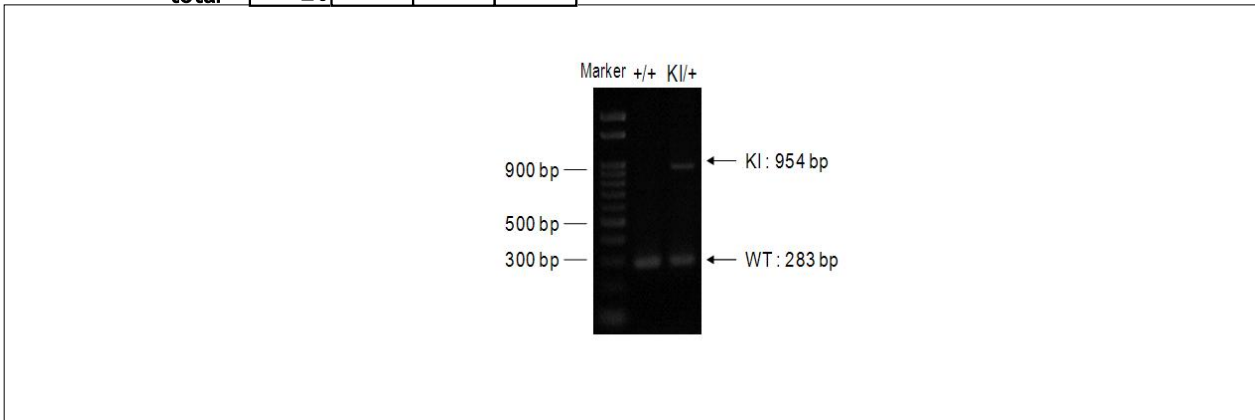
Reaction Components

Enzyme TaKaRa LA Taq with GC buffer (Cat. No. RR02AG)

Reaction Conditions

| | Conc | Run 1 | Run 2 | Run 3 | Run 4 |
|--------------|------------------|-----------|-------|-------|-------|
| H2O | | 3.9 | | | |
| PCR buffer | 2 X GC II | 10.0 | | | |
| dNTP | 2.5 mM | 2.0 | | | |
| primer 1 | 10 pmol/ μ l | 1.0 | | | |
| primer 2 | 10 pmol/ μ l | 1.0 | | | |
| primer 3 | 10 pmol/ μ l | 1.0 | | | |
| DNA | 10 pmol/ μ l | 1.0 | | | |
| Taq | 5U/ μ l | 0.1 | | | |
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| | | | | | |
| | | | | | |
| total | | 20 | | | |

| step | temp (°C) | time (sec) | note |
|------|-----------|------------|-----------------------|
| 1 | 94 | 180 | |
| 2 | 94 | 30* | |
| 3 | 60 | 30* | |
| 4 | 72 | 60* | *Repeat for 30 cycles |
| 5 | 72 | 300 | |
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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 | 283 bp | WT |
| primer 3 | 954 bp | KI |
| | | |
| | | |
| | | |

Comment