

RBRC 05143

Strain name B6.129S2-Fad158<tm1Maim>/7Maim

| Primer | primer_name | primer_seq | length | |
|--------|-------------|------------------------------|--------|---------------------|
| 1 | int3_Fw | GTCCTTCTCAGCAGAGCTTGGCAGG | 25 | RIKEN BRC |
| 2 | WT-3 | GTGGAGGGCTCGCTCGTAGCACATCTGG | 28 | Depositor' s primer |
| 3 | Neo-1 | GAATGTGTGCGAGGCCAGAGGCCACTTG | 28 | Depositor' s primer |
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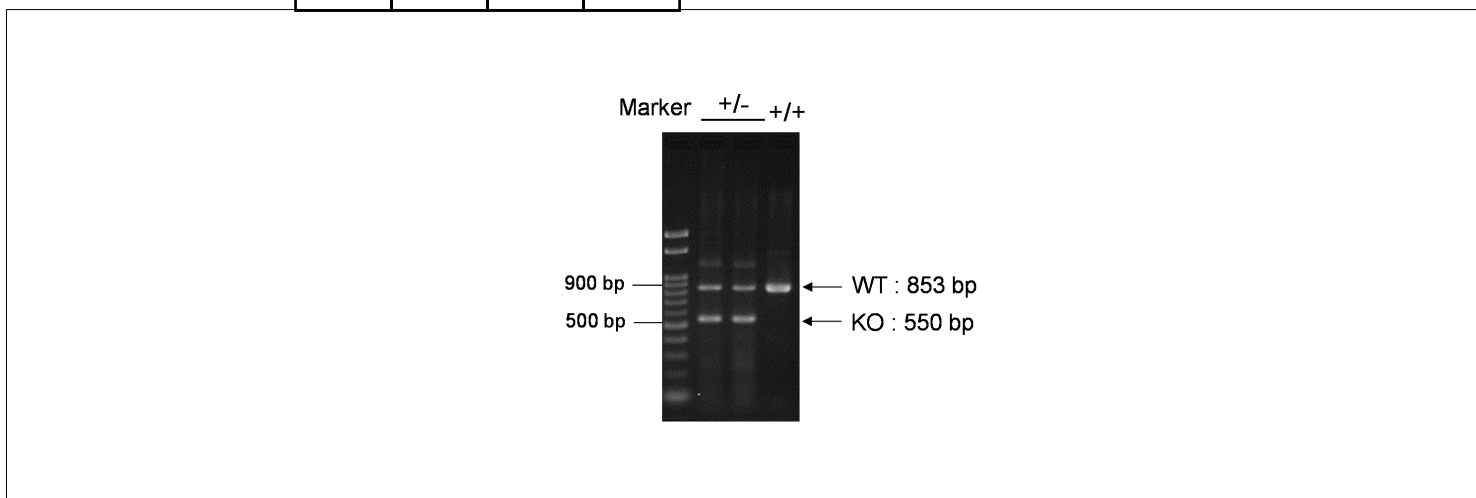
Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

Reaction Conditions

| step | temp (°C) | time (sec) | note |
|------|-----------|------------|-----------------------|
| 1 | 94 | 180 | |
| 2 | 94 | 30* | |
| 3 | 63 | 30* | |
| 4 | 72 | 60* | *Repeat for 30 cycles |
| 5 | 72 | 300 | |
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| | Conc | Run 1 | Run 2 | Run 3 | Run 4 |
|--------------|------------------|-----------|-------|-------|-------|
| H2O | | 12.3 | | | |
| PCR buffer | 10 X | 2.0 | | | |
| dNTP | 2.5 mM | 1.6 | | | |
| 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 | | 1.0 | | | |
| Taq | 5U/ μ l | 0.1 | | | |
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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)

Comment

| PCR products | primer_set | product_size | product |
|--------------|------------|--------------|---------|
| primer 1 | primer 2 | 853 bp | WT |
| primer 1 | primer 3 | 550 bp | KO |
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