

RBRC 03142

Strain name Pcdhg-DgHS4-5

| Primer | primer_name | primer_seq | length | |
|--------|---------------|---------------------------------|--------|--------------------|
| 1 | gHS4-5 T-C F | AGGAATTGAAAAGAATCATGAAGTCCTAGGC | 32 | Depositor's primer |
| 2 | gHS4-5 wild R | TCATGGTTCTGGGTGTGATGG | 21 | Depositor's primer |
| 3 | gHS4-5 T-F R2 | TGCCAAGAGATGTTTGCTCTGGC | 23 | Depositor's primer |
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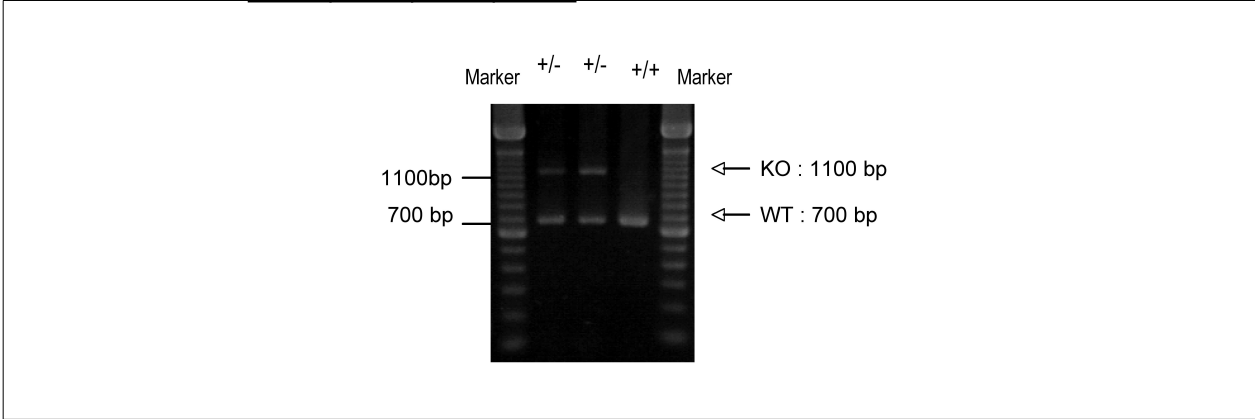
Reaction Components

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

Reaction Conditions

| | Conc | Run 1 | Run 2 | Run 3 | Run 4 |
|------------|------------------|-------|-------|-------|-------|
| H2O | | 2.8 | | | |
| PCR buffer | 2 X GC I | 10.0 | | | |
| dNTP | 2.5 mM | 2.0 | | | |
| primer 1 | 10 pmol/ μ l | 2.0 | | | |
| primer 2 | 10 pmol/ μ l | 1.0 | | | |
| primer 3 | 10 pmol/ μ l | 1.0 | | | |
| DNA | | 1.0 | | | |
| Taq | | 0.2 | | | |
| total | | 20 | | | |

| step | temp (°C) | time (sec) | note |
|------|-----------|------------|-----------------------|
| 1 | 94 | 180 | |
| 2 | 94 | 30* | |
| 3 | 57 | 30* | |
| 4 | 72 | 60* | *Repeat for 30 cycles |
| 5 | 72 | 300 | |
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Marker
100 bp ladder (Invitrogen, Cat. 15628-050)

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

| PCR products | | | |
|--------------|----------|--------------|---------|
| primer 1 | primer 2 | product_size | product |
| primer 1 | primer 2 | 700 bp | WT |
| primer 1 | primer 3 | 1100 bp | KO |
| | | | |
| | | | |

Comment