

PCR protocol

RBRC 02566

Strain name Nanos3-LpA(neo)

| Primer | primer_name | primer_seq | length |
|--------|-------------|----------------------|--------|
| 1 | nos3-R1 | GGGACTGATAGATGGCAC | 18 |
| 2 | PGK-neo-R2a | CAGAGGCCACTTGTGTAGCG | 20 |
| 3 | nos3-F1 | CCAGCCATGGGGACTTTC | 18 |
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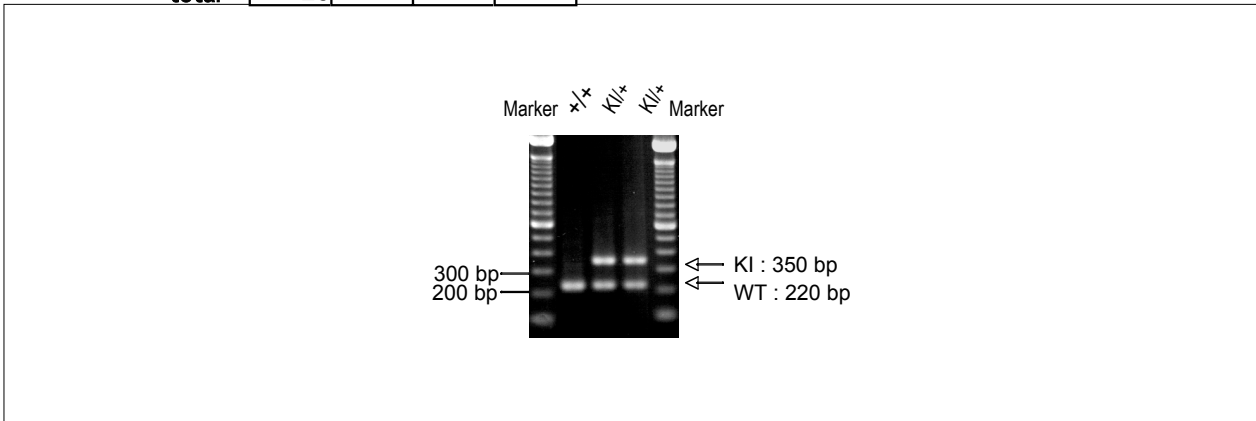
Reaction Components

Enzyme TaKaRa Ex Taq (Cat. No. RR001A)

Reaction Conditions

| step | temp (°C) | time (sec) | note |
|------|-----------|------------|-----------------------|
| 1 | 94 | 180 | |
| 2 | 94 | 30* | |
| 3 | 57 | 30* | |
| 4 | 72 | 60* | *Repeat for 30 cycles |
| 5 | 72 | 300 | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| Conc | Run 1 | Run 2 | Run 3 | Run 4 |
|------------|-------|-------|-------|-------|
| H2O | 16.3 | | | |
| PCR buffer | 2.5 | | | |
| dNTP | 2.0 | | | |
| primer 1 | 1.0 | | | |
| primer 2 | 1.0 | | | |
| primer 3 | 1.0 | | | |
| DNA | 1.0 | | | |
| Taq | 0.2 | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| total | 25 | | | |


Marker

100 bp ladder (Invitrogen, Cat. 15628-050)

Gel

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

PCR products

| primer_set | product_size | product |
|-------------------|--------------|---------|
| primer 1 primer 3 | 220 bp | wild |
| primer 1 primer 2 | 350 bp | KI |
| | | |
| | | |
| | | |

Comment