

BRC_No 01651

Strain name IR3

| Primer | primer_name | primer_seq | length | |
|--------|-------------|----------------------------|--------|-------------------------|
| 1 | EGFP-1U | CACCCTCGTGACCACCCTGACCTAC | 25 | |
| 2 | EGFP-1L | CTTGATGCCGTTCTTCTGCTTGTGCG | 25 | |
| 3 | oIMR0015 | CAAATGTTGCTTGTCTGGTG | 20 | Internal control (Tcrd) |
| 4 | oIMR0016 | GTCAGTCGAGTGCACAGTTT | 20 | Internal control (Tcrd) |
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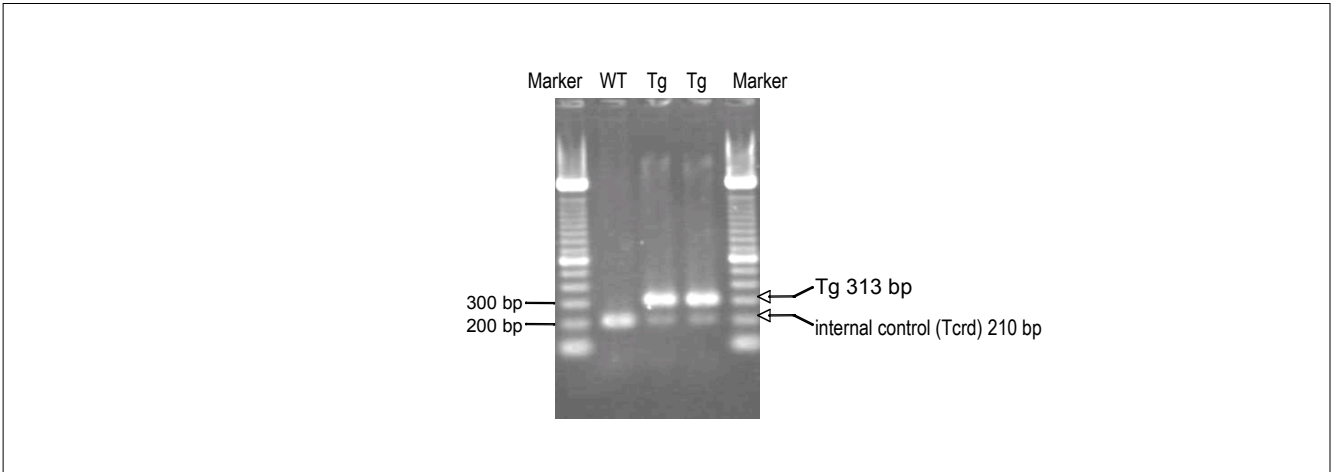
Reaction Components

Enzyme Roche Taq (Cat. No. BM1418432)

Reaction Conditions

| | Conc | Run 1 | Run 2 | Run 3 |
|--------------|-------------|-----------|-------|-------|
| H2O | | 14.3 | | |
| PCR buffer | 10 X | 2.5 | | |
| dNTP | 2.5 mM | 2.0 | | |
| primer 1 | 10 pmol/ µl | 0.5 | | |
| primer 2 | 10 pmol/ µl | 0.5 | | |
| primer 3 | 10 pmol/ µl | 2.0 | | |
| primer 4 | 10 pmol/ µl | 2.0 | | |
| DNA | | 1.0 | | |
| Taq | | 0.2 | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| total | | 25 | | |

| step | temp (°C) | time (sec) | note |
|------|-----------|------------|-----------------------|
| 1 | 94 | 180 | |
| 2 | 94 | 30* | |
| 3 | 55 | 30* | |
| 4 | 72 | 60* | *Repeat for 35 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_set | product_size | product |
|------------|--------------|-------------------------|
| primer 1 | 313 bp | Tg |
| primer 2 | | |
| primer 3 | 210 bp | internal control (Tcrd) |
| primer 4 | | |
| | | |
| | | |

Comment