Article

Optimization of a Protocol for Launching Grapevine Infection with the Biologically Active cDNA Clones of a Virus

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Supplemental Tables:

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**Table S1.** Agar media for all grape stages OH, GS1, GS2 and GS3.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Media stage** | **OHmedium.****pH: 5.7** | **GSI****pH: 5.3** | **GS2****pH: 5.3** | **GS3****pH: 5.3** |
| Ingredients / 1 liter |
| M & S salts | 3.22 g | 3.22 g | 3.22 g | 3.22 g |
| Thiamine | 0.8 ml (0.5 mg/ml) | 0.8 ml (0.5 mg/ml) | 0.8 ml (0.5 mg/ml) | 0.8 ml (0.5 mg/ml) |
| Inositol | 0.100 g | 0.1 g | 0.025 g | 0.025 g |
| Sucrose | 7 g | 20 g | 15 g | 12.5 g |
| BAP | \_ | 2 ml(0.5 mg/ml) | 4 ml(0.5 mg/ml) | ­\_ |
| NaH2PO4 | 0.170 g | \_ | 0.05 g | \_ |
| Adenine sulfate | 0.08 g | \_ | \_ | \_ |
| IAA | \_ | \_ | 0.5 ml (1mg/ml) | 1 ml (1mg/ml) |
| Agar | 3 g | 2 g | 2 g | 1 g |
| Gelrite | \_ | 1.13 g | 1.2 g | 1 g |
| Cefotaxime | 0.2 g | 0.2 g | 0.2 g | 0.2 g |

**Table S2.** Primers were used in this study.

|  |  |  |  |
| --- | --- | --- | --- |
| **Primers** | **Sequences** | **Amplicon (bp)** | **Target gene** |
| LR3CP107F | TCTTAAARTAYGTTAAGGACGG | 836 | CP of GLRaV-3 |
| LR3CP942R | CTAGTTCTTTTGCAATAGTTG |
| LR3\_14117F | GTGCCGGAATCTGAGACTCT | 211 |
| LR3\_14327R | GCCCATAACCTTCTTACACAGC |
| LR3\_16289F | GTTCGGAGACGTATAACATC | 951 | ORF8 &9 of GLRaV-3 |
| LR3\_17240R | CTAATCCTCGATTCTCCCCTGAC |
| LR3\_16896F | CGCTTAAAACGAACGATCAC | 344 | ORF9 of GLRaV-3 |
| LR3\_17240R | CTAATCCTCGATTCTCCCCTGAC |
| LR2-C-F | AAGGAATACTTAGGCGCCGAC | 1458 | 3' end region including GFP of GFP-tagged GLRaV-2 |
| LR2-C-R | AGGAGCCCCTTTCTGCACCAA |
| eGFP-F | AAAGGTACCGTGAGCAAGGGCGAGGA | 720 | eGFP |
| eGFP-R | AAAGGATCCTTACTTGTACAGCTCGTCCATGC |
| ACT-1021F | ATCAGGAAGGACCTCTATGG | 206 | Actin 1 of grapevine |
| ACT-1226R | ATCCACATCTGCTGGAAGG |