# Supplementary Materials: The p22 RNA Silencing Suppressor of the Crinivirus *Tomato chlorosis virus* is Dispensable for Local Viral Replication but Important for Counteracting an Antiviral RDR6-Mediated Response during Systemic Infection

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**Table S1.** Nucleotide sequences of primers used in this work.

| Gene/cDNA Clone | Primer | | Primer Sequence (5′–3′) [1] | Primer Position [1,2] |
|---|---|---|---|---|
| ToCV-RNA1 clone | MA 1543 | (FW) | AACTGCAGAAGCCATTGACA | 6907–6926 |
| | MA 1544 | (RV) | ***TTGAATATTAACCAGA*/ACTGACCTAAAT**AACAACAGTC | 8259–8244/7661–7640 |
| | MA 1545 | (FW) | ***ATTTAGGTCAGT*/TCTGGTTAATATTCAA**AGGATGG | 7650–7661/8244–8266 |
| | MA 1546 | (RV) | GATCTGCAGGTCGACTCTAG | 8620–8601 |
| ToCV-RNA2 clone | MA 1178 | (FW) | ACCGGGCGCAGTTCATACAA | 1522–1541 |
| | MA 1179 | (RV) | CCGACAAGAAACAGCGCTCC | 1697–1675 |
| CAC | MA 1279 | (FW) | CTCCGTTGTGATGTAACTGG | 779–798 |
| | MA 1280 | (RV) | ATTGGTGGAAAGTAACATCATC | 950–929 |

[1] The underlined sequences are restriction endonucleases sites introduced into the primers for cloning (*Pst* I in MA 1543 and MA 1546). Nucleotides in bold indicate overlapping sequences. Nucleotide sequences in italics and positions separated with the slash symbol (/) indicate the p22 flanking sequences. FW and RV indicate forward and reverse sense primers, respectively; [2] Primer positions indicate the positions in the RNA1 and RNA2 nucleotide sequences of AT80/99 ToCV isolate (GenBank accession numbers DQ983480 and DQ136146, respectively) and the CAC gene of Solanaceae (GenBank accession number XM_009783969.1) used as internal standard.

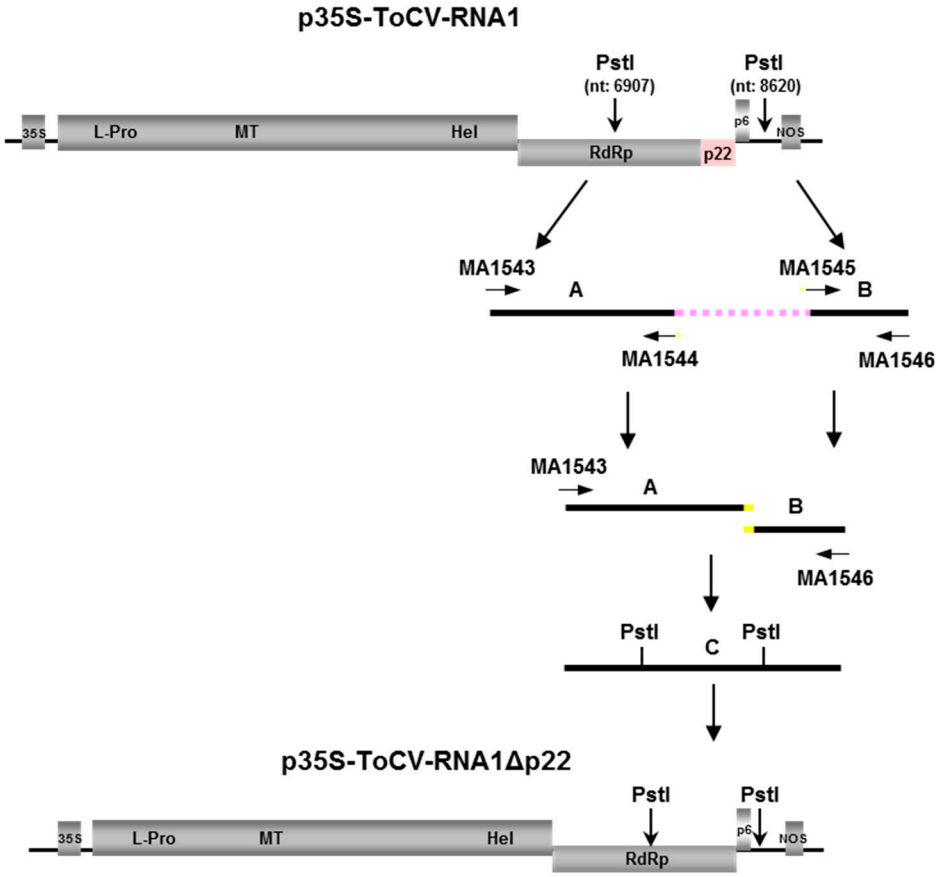


**Figure S1:** Diagram of the methodology used to create the p22-deficient ToCV RNA1 mutant clone.

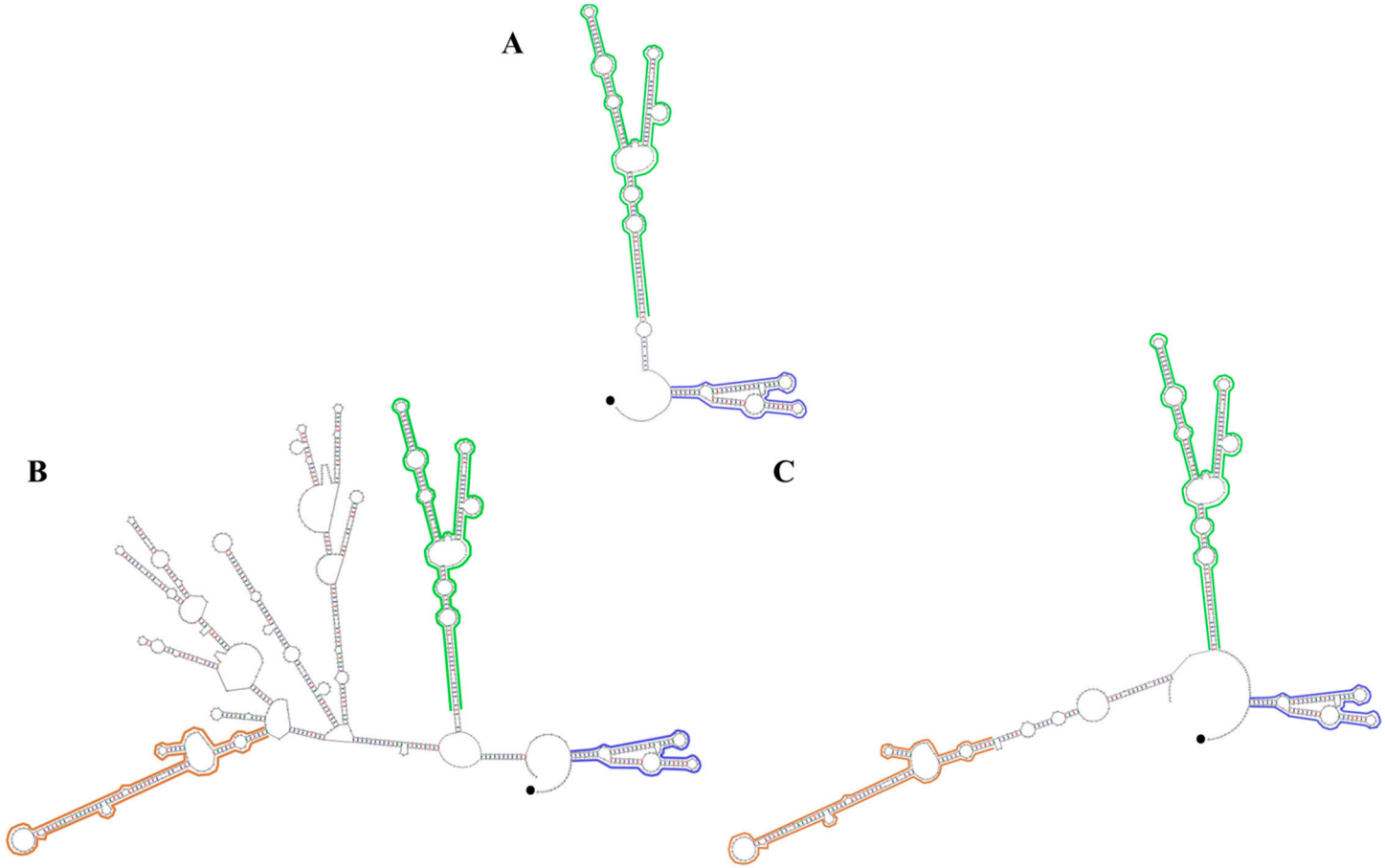


**Figure S2.** Lowest free energy secondary structure prediction of 3′-ends of the coding strand of ToCV RNA1. (**A**) Predicted secondary structure of the entire 3′-UTR (nt: 8237-8594); (**B**) Predicted secondary structure of the 3′-end comprising the 3′-UTR, the p22 sequence and the 241 nt located before the p22 sequence (nt: 7421-8594); (**C**) Predicted secondary structure of the 3′-end comprising the 3′-UTR and the 241 nt located before the p22 sequence (nt: 7421-7662 and 8237-8594). Identical stem loops are highlighted with similar colors. The 3′-end of each structure is indicated with (●). The RNAs were folded using the mfold program (Zuker, 2003).