

SUPPLEMENTARY MATERIALS

to the article O.S. Afanasenko, A.V. Khiutti, N.V. Mironenko, N.M. Lashina

“Transmission of potato spindle tuber viroid between *Phytophthora infestans* and host plants”

Supplementary Figure 1



Supplementary Figure 2

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Query: 39 gagtaattcccgccgaaacagggttttcaccttcctttcttcgggtgtccttcctcgcg 98
      |||
Sbjct: 153 gagtaattcccgccgaaacagggttttcaccttcctttcttcgggtgtccttcctcgcg 212
Query: 99 cccgcag-accaccctcgccccctttgcgctgtcgcttcggctactaccgggtgaaac 157
      |||
Sbjct: 213 cccgcaggaccaccctcgccccctttgcgctgtcgcttcggctactaccgggtgaaac 272
Query: 158 aactgaagctcccgagaaccgctttttctctatcttacttgcttcggggcgagggtgttt 217
      |||
Sbjct: 273 aactgaagctcccgagaaccgctttttctctatcttacttgcttcggggcgagggtgttt 332
Query: 218 agcccttggaaaccgcagttggttct 243
      |||
Sbjct: 333 agcccttggaaaccgcagttggttct 358
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Supplementary Figure 3

A

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5-F17-P3R      CGGAACTAAACTCGTGGTTCCTGTGGTTCACACCTGACCTCCTGAGCAGAAAAGAAAAA
LC523667-VP87  CGGAACTAAACTCGTGGTTCCTGTGGTTCACACCTGACCTCCTGAGCAGAAAAGAAAAA
*****

5-F17-P3R      AAG-----
LC523667-VP87  GAAGGCGGCTCGGAGGAGCGCTTCAGGGATCCCCGGGAAACCTGGAGCGAACTGGCAAT
.*.

5-F17-P3R      -----AAGGGGGGAGTGCCAGCGGCCGACAGGAGTAATCCCGCCGAAACAGGGTTTTT
LC523667-VP87  AAGGACGGTGGGAGTGCCAGCGGCCGACAGGAGTAATCCCGCCGAAACAGGGTTTTT
..* *****

5-F17-P3R      ACCCTTCCTTTCTTCGGGTGTCCTTCCTCGCGCCCGCAGGACCACCCCTCGCCCCCTTT
LC523667-VP87  ACCCTTCCTTTCTTCGGGTGTCCTTCCTCGCGCCCGCAGGACCACCCCTCGCCCCCTTT
*****

5-F17-P3R      CGCTGTCGCTTCGGCTACTACCCGGTGGAACAACCTGAAGCTCCCGAGAACCGCTTTTTT
LC523667-VP87  CGCTGTCGCTTCGGCTACTACCCGGTGGAACAACCTGAAGCTCCCGAGAACCGCTTTTTT
*****

5-F17-P3R      TCTATCTTACTTGCTTCGGGGCGAGGGGTGTTAGCCCTTGAACCGCTAGTTGGTTCCT
LC523667-VP87  TCTATCTTACTTGCTTCGGGGCGAGGGGTGTTAGCCCTTGAACCGCAG- TTGGTTCCT
*****:.******
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B

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clustalw.aln
CLUSTAL 2.1 multiple sequence alignment

6-F17-VP68R    CGGAACTAAACTCGTGGTTCCTGTGGTTCACACCTGACCTCCTGAGCAGAAAAGAAAAAT
LC523667-VP87  CGGAACTAAACTCGTGGTTCCTGTGGTTCACACCTGACCTCCTGAGCAGAAAAGAAAAAA
*****:

6-F17-VP68R    GGGGGCG-----ATCCCCGGGAAACCTGGAGCGAACTGGCAAT
LC523667-VP87  GAAGGCGGCTCGGAGGAGCGCTTCAGGGATCCCCGGGAAACCTGGAGCGAACTGGCAAT
*..***          *****.*****

6-F17-VP68R    AAGGACGGTGGGAGTGCCAGCGGCCGACAGGAGTAATCCCGCCGAAACAGGGTTTTT
LC523667-VP87  AAGGACGGTGGGAGTGCCAGCGGCCGACAGGAGTAATCCCGCCGAAACAGGGTTTTT
*****

6-F17-VP68R    ACCCTTCCTTTCTTCGGGTGTCCTTCCTCGCGCCCGCAGGACCACCCCTCGCCCCCTTTG
LC523667-VP87  ACCCTTCCTTTCTTCGGGTGTCCTTCCTCGCGCCCGCAGGACCACCCCTCGCCCCCTTTG
*****

6-F17-VP68R    CGCTGTCGCTTCGGATACTACCCGGTGGAACAACCTGAAGCTCCCGAGAACCGCTTTTTT
LC523667-VP87  CGCTGTCGCTTCGGATACTACCCGGTGGAACAACCTGAAGCTCCCGAGAACCGCTTTTTT
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