1 Supplementary figures





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Figure S2 Unrooted phylogenetic tree reconstructed from the amino acid sequence of the CP protein of the eight GFLV isolates and ArMV-S. The phylogenetic relationships were determined with the Neighbor-Joining method. The percentage of replicate trees in which the associated taxa clustered together in the bootstrap test (1000 replicates) are shown next to the branches.

The GenBank accession numbers of the sequences that were used are as follows: ArMV-S (X81814 for polyprotein P2-U), GHu (EF426852), BE4.11 (MF182352), F13 (NC_003623), BE5.19-C26b (FJ544937), CO2-A17d (AY370959), BUChardT60 (MF182353). The isolate B844 is composed of two RNA2 molecules, RNA2a and RNA2b with accessions numbers MF182354 and MF182355, respectively. The isolate F13TD is a mutant of F13 strain (Schellenberger et al., 2011).

- Saitou N. and Nei M. (1987). The neighbor-joining method: A new method for
 reconstructing phylogenetic trees. Molecular Biology and Evolution 4:406-425.
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Figure S3 Evaluation of the resistance of T2 lines 23EG16-9 and 23EG38-4 to infection 27 by viral RNA. EG11-3, 23EG16-9 and 23EG38-4 plants were mechanically inoculated with 28 29 360 ng of GFLV-GHu viral RNA and apical non-inoculated leaves analyzed by DAS-ELISA at 21 dpi. Each dot corresponds to a single sample and represents the mean relative 30 absorbance at 405 nm of experimental duplicates. Non-inoculated plants were used as 31 negative control (NC). Number of plants tested (n) and percentage of infections (%) are 32 indicated below each column. Note that line 23EG16-9 is fully resistant to viral RNA whereas 33 only one plant tested positive for GFLV in line 23EG38-4. 34