A Thioredoxin Domain-Containing Protein Interacts with *Pepino mosaic virus* Triple Gene Block Protein 1

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Table S1. Primer pairs used for cloning and sub-cloning of *Sl*TXND9 and for real-time PCR quantitation of *Nb*TXND9 mRNA expression

Primer pair name	-F	-R
*Sl*TXND9-G	ATGGAGAATGCGGTTCAAGAGA	CTCCGAGTCGCACGAGTCG
*Sl*TXND9-EXP	**GGATCCC**ATGGAGAATGCGGTTCAAGAGA	**CTCGAG**CTCCGAGTCGCACGAGTCG
*Sl*TXND9-YFP	**GGATCC**ATGGAGAATGCGGTTCAAGAGA	**GGCGCGCC**CTCCGAGTCGCACGAGTCG
*Sl*TXND9-MAL	**GGATCC**ATGGAGAATGCGGTTCAAGAGA	**CTGCAG**CTCCGAGTCGCACGAGTCG
*NbSl*TXND9-q	TTGTTAAGGCTAGTGACCGTGTT	CTATATGCTGTTTTGCCAGTATGC

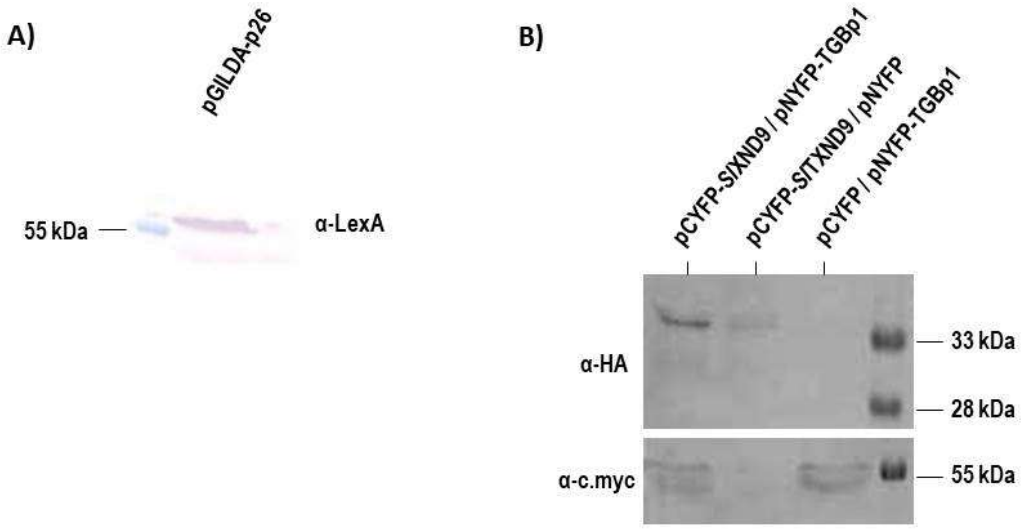

Figure S1. Immunoblot analysis of the fusion proteins *LexA*-TGBp1, CYFP-SlTXND9 and NYFP-TGBp1. **(A)** Immunoblot analysis to confirm the expression of the *LexA*-TGBp1 fusion protein (the expression product of plasmid pGILDA-p26) in yeast. This construct was used as the bait to screen the tomato cDNA library subcloned into the pJG4-5 vector. Western blot of SDS-PAGE resolved total proteins from pGILDA-p26-transformed *Saccharomyces cerevisiae* EGY48 cells probed with α-LexA antiserum revealed a fusion protein of the expected size (58 kDa). **(B)** Immunoblot analysis to detect the *Agrobacterium*-mediated transient expression of CYFP-*Sl*TXND9 and NYFP-TGBp1 in *Nicotiniana benthamiana* plants for the bimolecular fluorescent complementation assay (BiFC). Total protein extracts from *N. benthamiana* leaves co-infiltrated with pSPYNE-35S-TGBp1 (encoding NYFP-TGBp1, 55kDa) and pSPYCE-35S-*Sl*TXND9 (encoding CYFP-*Sl*TXND9, 35 kDa), or each fusion separately in conjunction with the empty vector encoding the complementary YFP fragment, harvested at 3 days post-inoculation (dpi), were used to produce western blots that were probed with either α-c-myc (pSPYNE) or α-HA (pSPYCE) that recognize the affinity tags on the fusion proteins, to confirm their expression.

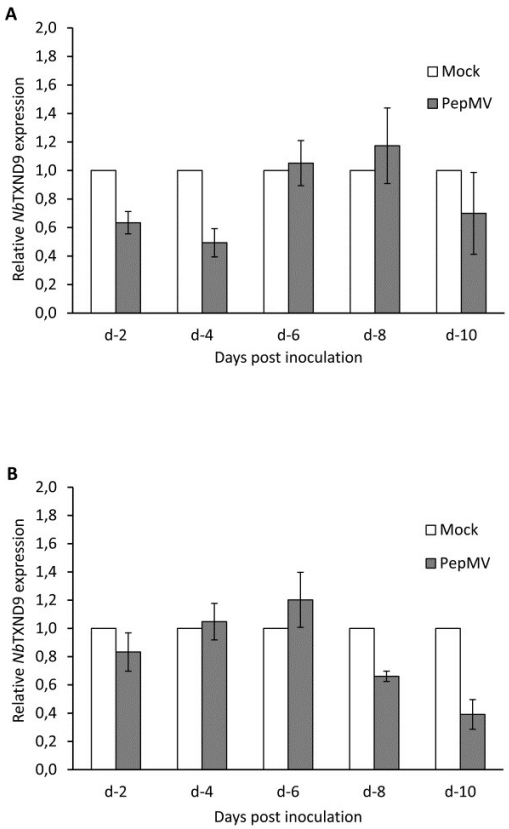

Figure S2. Accumulation of SlTXND9 mRNA in PepMV- and mock-inoculated *Nicotiniana benthamiana* plants. *N. benthamiana* plants were inoculated with PepMV or mock-inoculated, and the *Nb*TXND9 mRNA expression levels were evaluated by quantitative RT-PCR in locally-inoculated **(A)** or systemically-infected apical **(B)** leaves at 2, 4, 6, 8, 10 dpi. The expression of the housekeeping gene Elongation Factor 1a was used as a normalization control.

The mean values from three independent experiments are presented with the mean value of the mock-inoculated expressed as 1. Error bars represent standard deviation (±) of the mean values.

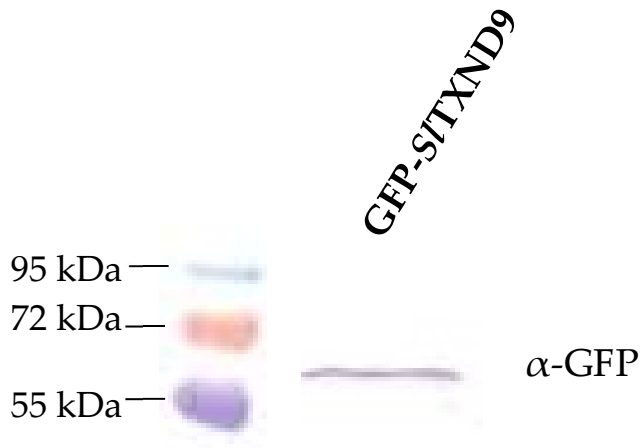

Figure S3. Immunoblot analysis to detect the agrobacterium-transiently expressed GFP-*Sl*TXND9 fusion protein in total protein extracts from *N. benthamiana* plants.