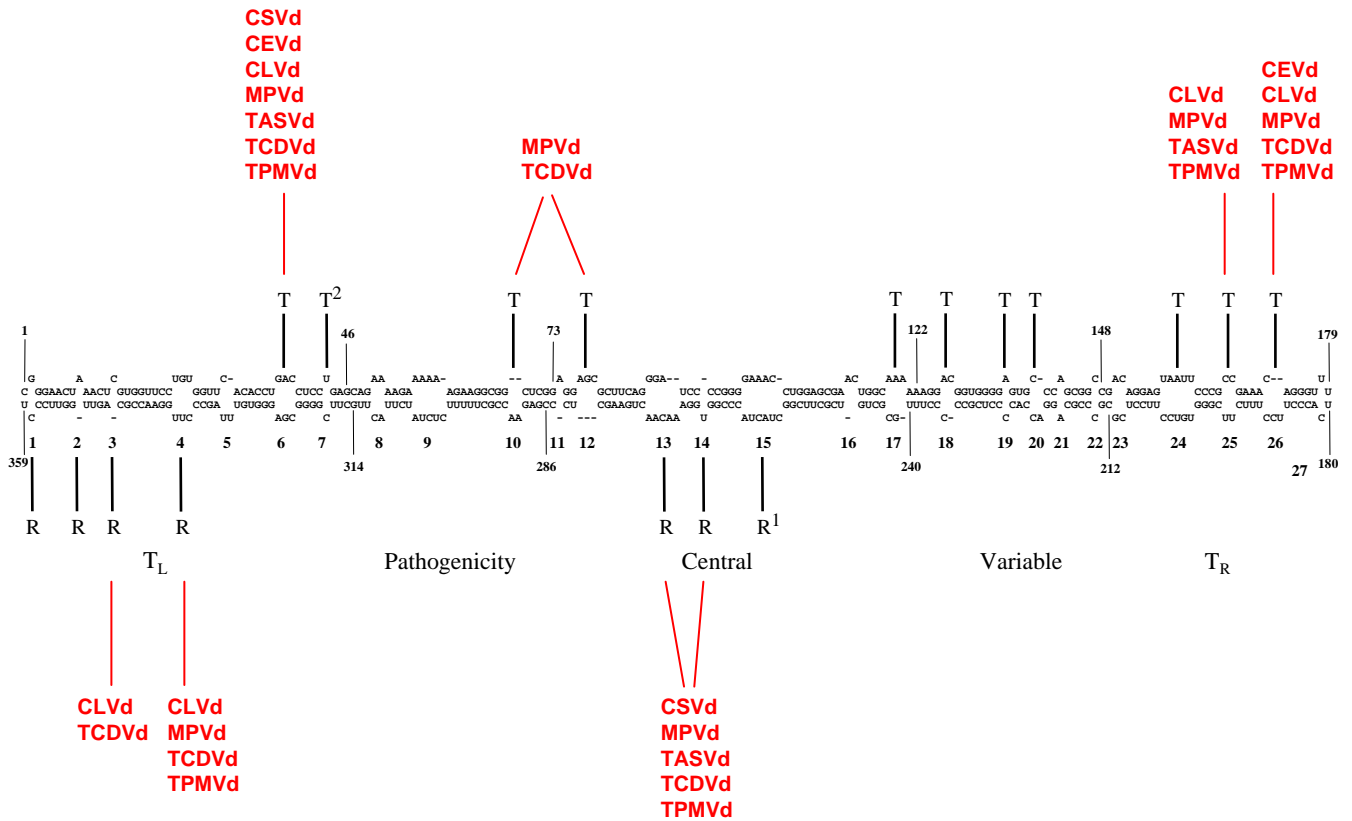


Supplemental Data. Zhong et al. (2008). A Genomic Map of Viroid RNA Motifs Critical for Replication and Systemic Trafficking.



Supplemental Figure 1. Secondary structural conservation of some PSTVd loops in other species of genus Pospiviroid that include *Chrysanthemum stunt viroid* (CSVd), *Citrus exocortis viroid* (CEVd), *Columnea latent viroid* (CLVd), *Mexican papita viroid* (MPVd), *Tomato apical stunt viroid* (TASVd), *Tomato chlorotic dwarf viroid* (TCDVd) and *Tomato planta macho viroid* (TPMVd). Tertiary structural conservation has been reported for loop 7 (U43/C318 motif; Zhong et al., 2007) and loop 15 (loop E; Zhong et al., 2006).

Zhong, X., Tao, X., Stombaugh, J., Leontis, N., and Ding, B. (2007). Tertiary structure and function of an RNA motif required for plant vascular entry to initiate systemic trafficking. *EMBO J* **26**: 3836-3846.

Zhong, X., Leontis, N.B., Qian, S., Itaya, A., Qi, Y., Boris-Lawrie, K., and Ding, B. (2006). Tertiary structural and functional analyses of Loop E motif in viroid RNA reveal its essential role in RNA-templated RNA replication by the nuclear transcription machinery. *J Virol* **80**: 8566-8581.