

Template for Taxonomic Proposal to the ICTV Executive Committee To rename an existing Virus Name

Code[†] To rename the existing virus name

in the genus^{°*}

in the family^{°*}

To name this virus^{*}

[†] Assigned by ICTV officers

[°] leave blank if inappropriate

^{*} repeat these lines and the corresponding arguments for each virus name created

Author(s) with email address(es) of the Taxonomic Proposal

Robert A. Owens: owensr@ba.ars.usda.gov
Ricardo Flores: rflores@ibmcp.upv.es

Old Taxonomic Order

Order

Family *Pospiviroidae*

Genus *Cocadviroid*

Type Species *Coconut cadang-cadang viroid*

Species in the Genus **Four**

Tentative Species in the Genus None

Unassigned Species in the family None

New Taxonomic Order

Order

Family *Pospiviroidae*

Genus *Cocadviroid*

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ICTV-EC comments and response of the SG

Argumentation to rename the virus

Citrus viroids were initially classified into five different groups (i.e., CEVd, CVd-I, CVd-II, CVd-III, and CVd-IV) based on (i) electrophoretic mobility during sequential PAGE, (ii) sequence homology as determined by hybridization with specific cDNA probes, (iii) host range, and (iv) symptom expression on the indicator host, Etrog citron (ref 2). In 1991, CVd-I was officially renamed *Citrus bent leaf viroid* (CBLVd) to reflect the distinctive symptoms that this viroid induces in Etrog citron. The several naturally-occurring strains of CVd-II (including the causal agents of the cachexia and xyloporosis diseases) have been shown to be variants of *Hop stunt viroid* (HSVd). Elsewhere, we present arguments for changing the name of CVd-III to *Citrus dwarfing viroid* (CDVd). A recent comprehensive evaluation of symptom expression under field conditions has shown that CVd-IV is the only citrus viroid consistently associated with severe bark cracking in Clementine orange (ref 3). To better capture the pathogenic potential of CVd-IV, we propose the more descriptive name, *Citrus bark cracking viroid* (CBCVd).

References

1. Flores, R., Randles, J. W., Owens, R. A., Bar-Joseph, M., and Diener, T. O. 2005. *Virooidae*. In *Virus Taxonomy*. Eighth Report of the International Committee on Taxonomy of Viruses, pp. 1145-1159. Edited by C. M. Fauquet, M. A. Mayo, J. Maniloff, U. Desselberger & A. L. Ball. London: Elsevier/Academic Press.
2. Duran Vila, N., Roistacher, C.N., Rivera-Bustamante, R., and Semancik, J.S. 1988. A definition of citrus viroid groups and their relationship to the exocortis disease. *J. Gen. Virol.* 69:3069-3080.
3. Vernière, C., Perrier, X., Dubois, C., Dubois, A., Botella, L., Chabrier, C., Bové, J.M., and Duran Vila, N. 2004. Citrus viroids: Symptom expression and effect on vegetative growth and yield of Clementine trees grafted on trifoliolate orange. *Phytopathology* 88: 1189-1197.

Annexes: