

Template for Taxonomic Proposal to the ICTV Executive Committee

Creating Species in an existing genus

Code[†] To designate the following as species in the genus:

Curtovirus

belonging to the family[°] : *Geminiviridae*

Spinach curly top virus

[†] Assigned by ICTV officers

[°] leave blank if inappropriate or in the case of an unassigned genus

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Old Taxonomic Order

Order

Family *Geminiviridae*

Genus *Curtovirus*

Type Species

Species in the Genus

Tentative Species in the Genus

Unassigned Species in the family

New Taxonomic Order

Order

Family *Geminiviridae*

Genus *Curtovirus*

Type Species

Species in the Genus *Spinach curly top virus*

Tentative Species in the Genus

Unassigned Species in the family

ICTV-EC comments and response of the SG

Species demarcation criteria in the genus

The following criteria should be used as a guideline to establish taxonomic status:

- Nucleotide sequence identity. Full-length nt sequence identity <89% is generally indicative of a distinct species. However, decisions based on nt sequence comparisons, particularly when approaching this value, must also take into account the biological properties of the virus.
- *Trans*-replication of genomic components. The inability of Rep protein to *trans*-replicate a genomic component suggests a distinct species.
- CP characteristics. Serological differences may be indicative of a distinct species although the CP is highly conserved, suggesting that this criterion may be of limited use.
- Natural host range and symptom phenotype. These characteristics may relate to a particular species but their commonest use will be to distinguish strains.

Argumentation to justify the designation of new species in the genus

Follow the species demarcation criteria

List of created Species in the genus

Spinach curly top virus
Spinach curly top virus

AY548948

(SpCTV)

References

Annexes:

