

Template for Taxonomic Proposal to the ICTV Executive Committee Creating Species in an existing genus

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

belonging to the family[°] :

[†] Assigned by ICTV officers

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

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

New Taxonomic Order

Order

Family

Genus

Type Species

List of Species in the genus

List of Tentative Species in the Genus

List of Unassigned Species in the Family

Argumentation to justify the designation of new species in the genus

Species demarcation criteria in the genus

Argumentation to justify the designation of new species in the genus

The complete sequence of the single-stranded, positive-sense RNA genome of pea stem necrosis virus (PSNV) has been determined. The 4,048-nucleotide genome contains five open reading frames (ORFs). The 5'-proximal ORF encodes a 25-kD protein (p25). If the amber termination codon is read through, the ORF produces a read-through protein of 84 kD (p84). Two small, centrally located ORFs encoded a 7-kD protein (p7) and a 6-kD protein (p6), respectively. The 38-proximal ORF encodes a 38-kD (p38) capsid protein. Comparison of the genome organization with that of other viruses justifies the assignment of PSNV to the genus Carmovirus.

List of created Species in the genus

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References

Suzuki, S., Hase, S., Takahashi H., Ikegami, M. (2002). The genome organization of pea stem necrosis virus and its assignment to the genus Carmovirus. Intervirology 45: 160-163.

Annexes: