



This form should be used for all taxonomic proposals. Please complete all those modules that are applicable (and then delete the unwanted sections). For guidance, see the notes written in blue and the separate document "Help with completing a taxonomic proposal"

Please try to keep related proposals within a single document

Code assigned:	2007.010-013P	(to be completed by ICTV officers)
Short title: New genus <i>Sclerodarnavirus</i> for <i>Sclerotinia sclerotiorum</i> debilitation-associated RNA virus		
(e.g. 6 new species in the genus <i>Zetavirus</i> ; re-classification of the family <i>Zetaviridae</i> etc.)		
Modules attached (please check all that apply):	1 <input type="checkbox"/>	2 <input checked="" type="checkbox"/>
	3 <input checked="" type="checkbox"/>	4 <input type="checkbox"/>
	5 <input type="checkbox"/>	6 <input type="checkbox"/>
	7 <input type="checkbox"/>	

Author(s) with e-mail address(es) of the proposer:

Mike Adams (mike.adams@bbsrc.ac.uk) on behalf of the Flexiviridae SG and
Jan Kreuze (j.kreuze@cgiar.org)

If the proposal has been seen and agreed by the relevant study group(s) write "yes" in the box on the right

YES

ICTV-EC or Study Group comments and response of the proposer:

The original (2007) proposals were to place the new genus within a new subfamily Alphaflexivirinae and to retain the existing families Flexiviridae and Tymoviridae in the new order Tymovirales. As a result of EC discussion and comments, the Study Group has agreed to split the Flexiviridae into three families and thus create an order with four families. Assignment is therefore to the new family Alphaflexiviridae.

Date first submitted to ICTV: 08 June 2007

Date of this revision (if different to above): 20 Aug 2008

MODULE 2: **NEW SPECIES**

Code	2007.010P	(assigned by ICTV officers)
To create 1 new species with the name(s):		
<i>Sclerotinia sclerotiorum</i> debilitation-associated RNA virus		

MODULE 3: **NEW GENUS**

Code	2007.011P	(assigned by ICTV officers)
To create a new genus to contain species resembling: <i>Sclerotinia sclerotiorum</i> debilitation-associated RNA virus		

Code	2007.012P	(assigned by ICTV officers)
To name the new genus: <i>Sclerodarnavirus</i>		

Code	2007.013P	(assigned by ICTV officers)
To designate the following as the type species of the genus created in section 3(a):		
<i>Sclerotinia sclerotiorum</i> debilitation-associated RNA virus	Every genus must have a type species; this should be the best characterized species in the genus (not necessarily the first to be discovered)	

Reasons to justify the creation of a new species and genus:

Sclerotinia sclerotiorum debilitation-associated RNA virus (SsDRV) is a recently described capsid-less mycovirus (Xie et al., 2006) for which a full sequence has been published (AY147260). It is a transmissible agent in the plant pathogenic fungus *Sclerotinia sclerotiorum* and appears to cause debilitation (hypovirulence). The ssRNA genome (5470 nt) is polyadenylated and has a single predicted ORF that encodes an alpha-like replication protein of 193 kDa. In phylogenetic analyses, this protein groups most closely with members of the genera *Allexivirus*, *Potexvirus* and *Mandarivirus* (see the ***Tymovirales* proposal** [2007.027-9P.A.Tymovirales] Annex Figure 1). Despite its lack of capsid, it is unequivocally placed within the 'potex-tymo' group and appears best placed as a member of a distinct genus within the proposed family *Alphaflexiviridae* (part of the old family *Flexiviridae*; see the proposal to create a family *Alphaflexiviridae* [2007.018-020P.A.Alphaflexiviridae]).

Origin of the new genus name:

Sigla from the type species *Sclerotinia sclerotiorum* debilitation-associated **RNA** virus.

Reasons to justify the choice of type species:

It is the only species

Species demarcation criteria in the new genus:

Not applicable: only one species

References:

Martelli G, Adams MJ, Kreuze JF, Dolja VV (2007) Family *Flexiviridae*: a case study in virion and genome plasticity. *Annual Review of Phytopathology* **45**, 73-100.

Xie J, Wei D, Jiang D, Fu Y, Li G, et al. (2006) Characterization of debilitation-associated mycovirus infecting the plant-pathogenic fungus *Sclerotinia sclerotiorum*. *Journal of General Virology* **87**, 241-249.

Annex:

Include as much information as necessary to support the proposal. The use of Figures and Tables is strongly recommended.

See the proposals to create a family *Alphaflexiviridae* [2007.018-020P.A.Alphaflexiviridae] and an order *Tymovirales* [2007.027-029P.A.Tymovirales]