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"

Code assigned:	***2007.018-020P***	(to be completed by ICTV officers)

Short title: Creation of new family Alphaflexiviridae
(e.g. 6 new species in the genus *Zetavirus*; re-classification of the family *Zetaviridae* etc.)

Modules attached (please check all that apply): **1** ☐ **2** ☐ **3** ☐ **4** ☐ **5** ☒ **6** ☐ **7** ☐

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) proposal was to create a new subfamily Alphaflexivirinae within the family Flexiviridae and to assign the 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. This therefore becomes a proposal to create a new family Alphaflexiviridae.

Date first submitted to ICTV: 08 June 2007
Date of this revision (if different to above): 20 Aug 2008

MODULE 5: **NEW FAMILY**

Code	***2007.018P***	(assigned by ICTV officers)

To create a new family containing genera resembling: *Potexvirus*

Code	***2007.019P***	(assigned by ICTV officers)

To name the new family: *Alphaflexiviridae*

Code	***2007.020P***	(assigned by ICTV officers)

To assign the following as genera in the new family:

Allexivirus (currently assigned to the family *Flexiviridae*)
Botrexvirus (proposed new genus see proposal **2007.014-017P.A.Botrexvirus**)
Mandarivirus (currently assigned to the family *Flexiviridae*)

Potexvirus (currently assigned to the family *Flexiviridae*)
Sclerodarnavirus (proposed new genus see proposal **2007.010-013P.A.Sclerodarnavirus**)

(A proposal to remove the existing genera from the family *Flexiviridae* and then remove the old family is included within the proposal to create the order Tymovirales [**2007.027-029P.A.Tymovirales**])

Reasons to justify the creation of a new family:.

See the proposal for the order *Tymovirales* **[2007.027-029P.A.Tymovirales**] for a general justification of the order and the proposed division of the current family *Flexiviridae* into new families.

The proposed family *Alphaflexiviridae* is characterized by the potexvirus-like replication protein (identified from grouping in phylogenetic analyses and also its smaller size of <195 kDa). All the plant infecting members possess a TGB module, which appears to have been lost in the otherwise very similar mycovirus Botrytis virus X (proposed new genus *Botrexvirus*). The capsid-less Sclerotinia sclerotiorum debilitation associated RNA virus (proposed new genus *Sclerodarnavirus*) seems also best placed within this subfamily on the basis of its replication protein phylogeny (but could potentially be placed in a separate family).

Origin of the new family name:

Greek *alpha* for the first family created from the division of the old family *Flexiviridae*

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.

Annex:

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

See the related proposals to create the families ***Betaflexiviridae*** [2007.021-023P.A.Betaflexiviridae] and ***Gammaflexiviridae*** [2007.024-026P.A.Gammaflexiviridae] and an order ***Tymovirales*** **[**2007.027-029P.A.Tymovirales]