



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; you can copy the modules to create more than one genus within a new family, for example.

MODULE 1: **TITLE, AUTHORS, etc**

<b>Code assigned:</b>	<b>2010.010bV</b>	(to be completed by ICTV officers)			
<b>Short title:</b> Replace the species name <i>Lake Victoria marburgvirus</i> with <i>Marburg marburgvirus</i> in the genus <i>Marburgvirus</i> (e.g. 6 new species in the genus <i>Zetavirus</i> )					
<b>Modules attached</b> (modules 1 and 9 are required)	1 <input checked="" type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>
	6 <input type="checkbox"/>	7 <input type="checkbox"/>	8 <input checked="" type="checkbox"/>	9 <input checked="" type="checkbox"/>	

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

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Peter B. Jahrling- jahrlingp@niaid.nih.gov (ICTV Filoviridae SG member)

**List the ICTV study group(s) that have seen this proposal:**

A list of study groups and contacts is provided at <a href="http://www.ictvonline.org/subcommittees.asp">http://www.ictvonline.org/subcommittees.asp</a> . If in doubt, contact the appropriate subcommittee chair (fungal, invertebrate, plant, prokaryote or vertebrate viruses)	ICTV Filoviridae Study Group
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**ICTV-EC or Study Group comments and response of the proposer:**

**EC decision:**

**2010:** Feedback to SG to indicates that we are concerned about the stability issue and that not all of the SG members (specifically the Chair) appear to support this taxonomic proposal (or the article submitted for publication at VDN). EC would like it to be posted online to solicit comments and clarity from SG.

**2011:** No comments were received over the best part of a year, during which the document was posted online, and the proposal was accepted.

Date first submitted to ICTV: 06/04/2010

Date of this revision (if different to above): 31/08/2010

Prop Sec note: This proposal was initially submitted as the second half of a double proposal 2010.0120abV, the other half of which (2010.010aV) was subsequently given fast-track approval.

**VVSC Chair notes: The EC determined that the second of** 12/10/2011

the remaining proposals (*Tai Forest ebolavirus*) was unnecessary, since it had been accepted previously by the ICTV. This proposal has been deleted from the title. The supporting text integrates various points of background and remains as it was in the original submission, except for the points in orange text that I have added. Note especially that recommendations on changing virus (rather than species) names cannot be mandated by the ICTV, and are given only for information.

Four of the people listed on the original submission indicated that they did not support the proposal (*Marburg marburgvirus*), and their names have been deleted.

#### MODULE 8: **NON-STANDARD**

Template for any proposal not covered by modules 2-7. This includes proposals to change the name of existing taxa (but note that stability of nomenclature is encouraged wherever possible).

non-standard proposal

Code	<b>2010.010.bV</b>	(assigned by ICTV officers)
<b>Title of proposal:</b> Replace the species name <i>Lake Victoria marburgvirus</i> with <i>Marburg marburgvirus</i> in the genus <i>Marburgvirus</i>		

#### **Text of proposal:**

A thorough justification and explanation for the changes proposed here has recently been proposed by the ICTV *Filoviridae* Study Group (Kuhn et al.). In brief:

Virologists have been using the names Marburg virus and Ebola virus for the type viruses of the genera *Marburgvirus* and *Ebolavirus*, respectively, for decades and have not accepted the novel names for these agents (*Lake Victoria marburgvirus* and *Zaire ebolavirus*) suggested in the 8th ICTV Report. Virologists have accepted that there are several ebolaviruses. However, they rarely use the names listed in the 8th ICTV Report. Virologists have not yet made the distinction between species and viruses, which is in part due to the identical spelling of currently approved marburgvirus and ebolavirus species and virus names. The proposed changes address these and other problems via an improved nomenclature that reflects terminology usage by scientists while upholding the rules and regulations of the ICTV. At the heart of the proposal (Kuhn et al.) is the creation of virus names distinct from non-Latinized binomial species names (NLBSN's), and the return to virus names commonly used in the literature.

Article 3 Rule II-3.9 of the ICVCN states that “[e]xisting names of taxa and viruses should be retained whenever feasible”. We accept and uphold this rule for the names of the order, family, and genera harboring marburgviruses and/or ebolaviruses, as well as for three ebolavirus species. However, because of the nonacceptance of the species names “*Lake Victoria marburgvirus*” and “*Cote d’Ivoire ebolavirus*” [sic] (names that were originally discouraged, but not rejected, by the ICTV) and several virus names by the laboratory virologist community, and because of the confusion of species names with virus names, we find the retention of several names not feasible and hereby propose the following:

- 1) to retain the current species names *Reston ebolavirus*, *Sudan ebolavirus*, and *Zaire ebolavirus* and to replace the species name *Cote d'Ivoire ebolavirus* [sic] with *Tai Forest ebolavirus* to create a species name that does not require a diacritical mark and may be used by laboratory scientists (already achieved)
- 2) to change the assigned virus names: *Cote d'Ivoire ebolavirus* [sic]→ *Tai Forest virus*, *Reston ebolavirus*→*Reston virus*, *Sudan ebolavirus*→*Sudan virus*, and *Zaire ebolavirus*→*Ebola virus*, respectively, to create species names distinct from virus names to decrease confusion and to adjust virus names to those used in the field (not in the remit of the ICTV)
- 3) to replace the species name *Lake Victoria marburgvirus* with *Marburg marburgvirus* in the genus *Marburgvirus* (the current proposal);
- 4) and to change the assigned virus name: *Lake Victoria marburgvirus*→*Marburg virus* to create a species name distinct from the virus name to decrease confusion and to adjust the virus name to that used in the field (not in the remit of the ICTV).

MODULE 9: **APPENDIX**: supporting material

additional material in support of this proposal

**References:**

Feldmann H, Geisbert TW, Jahrling PB, Klenk H-D, Netesov SV, Peters CJ, Sanchez A, Swanepoel R, Volchkov VE (2005) Family Filoviridae. In: Fauquet CM, Mayo MA, Maniloff J, Desselberger U, Ball LA (eds) Virus Taxonomy - Eighth Report of the International Committee on Taxonomy of Viruses. Elsevier/Academic Press, San Diego, California, USA, pp 645-653

Kuhn JH, Becker S, Ebihara H, Geisbert TW, Johnson KM, Kawaoka Y, Lipkin WI, Negredo AI, Netesov, SV, Nichol ST, Palacios G, Peters CJ, Tenorio A, Volchkov V, Jahrling PB (2010) Proposal for a revised taxonomy of the family *Filovirida* - Classification, names of taxa and viruses, and virus abbreviations. Arch Virol. In press [and forwarded to the ICTV Executive Committee for further information on the taxonomic changes proposed here]

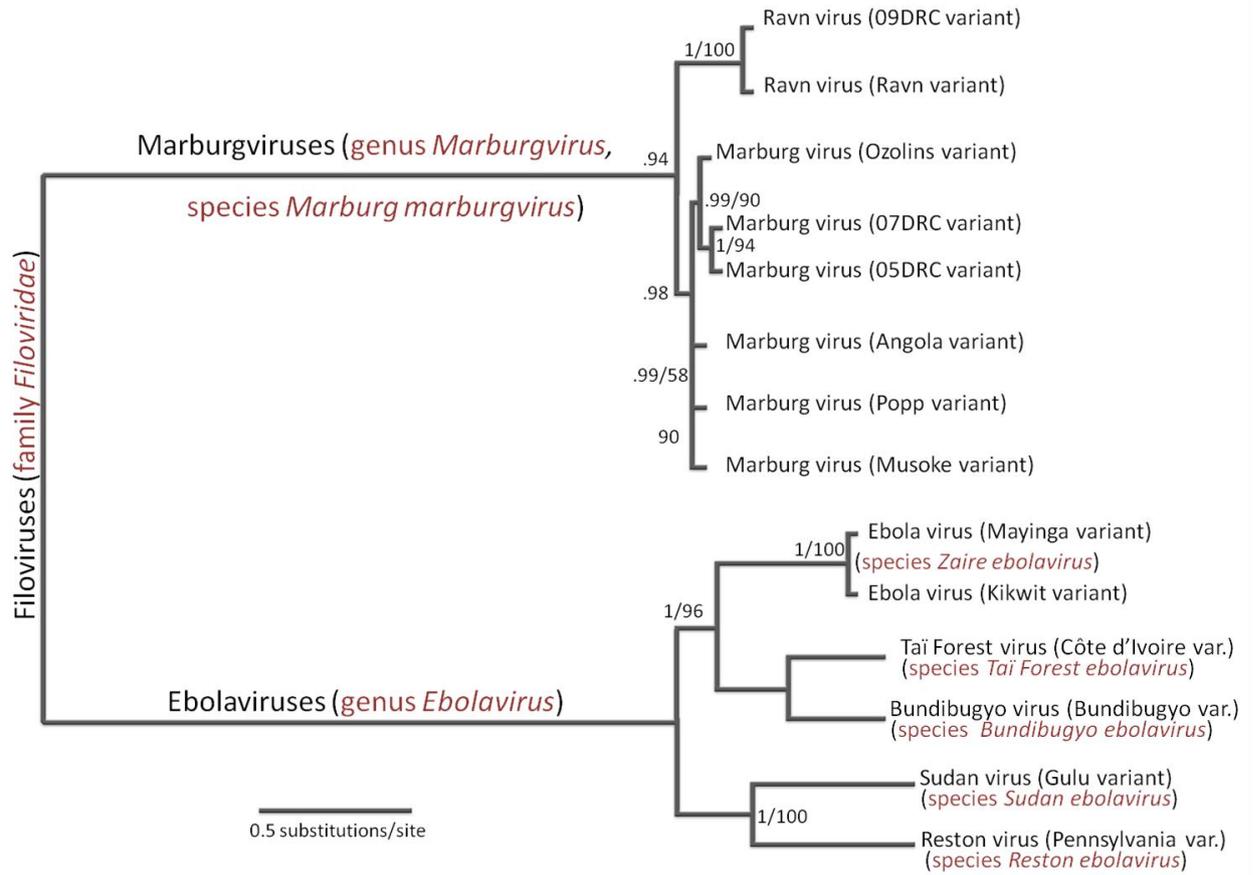
Pringle CR (2005) Order Mononegavirales. In: Fauquet CM, Mayo MA, Maniloff J, Desselberger U, Ball LA (eds) Virus Taxonomy - Eighth Report of the International Committee on Taxonomy of Viruses. Elsevier/Academic Press, San Diego, California, USA, pp 609-614

Towner JS, Sealy TK, Khristova ML, Albarino CG, Conlan S, Reeder SA, Quan PL, Lipkin WI, Downing R, Tappero JW, Okware S, Lutwama J, Bakamutumaho B, Kayiwa J, Comer JA, Rollin PE, Ksiazek TG, Nichol ST (2008) Newly discovered ebola virus associated with hemorrhagic fever outbreak in Uganda. PLoS Pathog 4:e1000212

**Annex:**

Include as much information as necessary to support the proposal, including diagrams comparing the old and new taxonomic orders. The use of Figures and Tables is strongly recommended but direct pasting of content from publications will require permission from the copyright holder together with appropriate acknowledgement as this proposal will be placed on a public web site. For phylogenetic analysis, try to provide a tree where branch length is related to genetic distance.

Phylogenetic tree modified from Towner et al.:



Approved Taxonomy (Eighth ICTV Report)	Proposed New Taxonomy
<p>Order <i>Mononegavirales</i>  Family <i>Filoviridae</i>  Genus <i>Marburgvirus</i>  Species: <i>Lake Victoria marburgvirus</i>  Virus: Lake Victoria marburgvirus (MARV)</p> <p>Genus <i>Ebolavirus</i>  Species: <i>Cote d'Ivoire ebolavirus</i> [sic]  Virus: Cote d'Ivoire ebolavirus (CIEBOV)  Species: <i>Reston ebolavirus</i>  Virus: Reston ebolavirus (REBOV)  Species: <i>Sudan ebolavirus</i>  Virus: Sudan ebolavirus (SEBOV)  Species: <i>Zaire ebolavirus</i>  Virus: Zaire ebolavirus (ZEBOV)</p>	<p>Order <i>Mononegavirales</i>  Family <i>Filoviridae</i>  Genus <i>Marburgvirus</i>  Species <i>Marburg marburgvirus</i>  Virus 1: Marburg virus (MARV)  Virus 2: Ravn virus (RAVV)</p> <p>Genus <i>Ebolavirus</i>  Species <i>Tai Forest ebolavirus</i>  Virus: Tai Forest virus (TAFV)  Species <i>Reston ebolavirus</i>  Virus: Reston virus (RESTV)  Species <i>Sudan ebolavirus</i>  Virus: Sudan virus (SUDV)  Species <i>Zaire ebolavirus</i>  Virus: Ebola virus (EBOV)  Species <i>Bundibugyo ebolavirus</i>  Virus: Bundibugyo virus (BDBV)</p>