IThis Word module should be used for all taxonomic proposals.

Please complete **Part 1** and:

either **Part 3** for proposals to create new taxa or change existing taxa

or **Part 2** for proposals of a general nature.

Submit the completed Word module, together with the accompanying Excel module named in Part 3, to the appropriate ICTV Subcommittee Chair.

For guidance, see the notes written in blue, below, and the help notes in file Taxonomic\_Proposals\_Help\_2018.

**Part 1:** **TITLE, AUTHORS, etc**

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| **Code assigned:** | ***2018.012M*** | (to be completed by ICTV officers) |
| **Short title: Move peribunyaviral species *Estero Real orthobunyavirus* into family *Nairoviridae* as *Estero Real orthonairovirus*** |
|  |
| **Author(s):** |
| Kuhn, Jens H., kuhnjens@mail.nih.gov  |
| **Corresponding author with e-mail address:** |
| Kuhn, Jens H., kuhnjens@mail.nih.gov |
| **List the ICTV study group(s) that have seen this proposal:** |
| A list of study groups and contacts is provided at <http://www.ictvonline.org/subcommittees.asp> . If in doubt, contact the appropriate subcommittee chair (there are six virus subcommittees: animal DNA and retroviruses, animal ssRNA-, animal ssRNA+, fungal and protist, plant, bacterial and archaeal) | **ICTV *Peribunyaviridae* and *Nairoviridae* Study Groups** |
| **ICTV Study Group comments (if any) and response of the proposer:** |
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| Date first submitted to ICTV: | June 6, 2018 |
| Date of this revision (if different to above): |       |

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| **ICTV-EC comments and response of the proposer:** |
|       |

**Part 3:** **PROPOSED TAXONOMY**

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| **Name of accompanying Excel module: 2018.012M.N.v1.Bunyavirales\_spmov** |

**Supporting material:**

Estero Real virus (ERV) was isolated in 1980 from *Ornithodoros tadaridae* ticks collected in El Estero Real, Sancti Spiritus, Cuba (Malkova *et al*). ERV was classified as an orthobunyavirus based on antigenic serologic cross-reaction with two other orthobunyaviruses, Abras and Zegla viruses, of the Patois serogroup. Recent genomic sequencing of Patois serogroup viruses confirmed all of them to be orthobunyaviruses with the notable exception of ERV. Genome organization, blast, and phylogenetic analyses confirmed ERV to be an orthonairovirus most closely related to, but distinct from, viruses in the species *Hughes orthonairovirus* (Figure 1, Aguilar *et al*.).

Figure 1. Family *Nairoviridae*, maximum likelihood phylogenetic analysis. LG + I + G4 amino acid substitution model for NP (S segment) and G (M segment) proteins and LG + F + I + G4 amino acid substitution model for L/RdRp (L segment) protein.



| **References:** |
| --- |
| Aguilar PV, Marciel de Souza W, Silvas JA, Wood T, Widen S, Fumagalli MJ, Nunes MRT.Genetic Characterization of the Patois Serogroup (Genus *Orthobunyavirus*; Family *Peribunyaviridae*) and Evidence That Estero Real Virus is a Member of the Genus *Orthonairovirus*. Am J Trop Med Hyg. 2018 Jun 11. doi: 10.4269/ajtmh.18-0201. [Epub ahead of print]. PMID: 29893199.Malkova, D., J. Holubova, V. Cerny, M. Daniel, A. Fernandez, J. de la Cruz, M. Herrera, and C.H. Calisher. Estero Real virus: A new virus isolated from argasid ticks, Ornithodoros tadaridae, in Cuba. Acta Virol. 29:247 250, 1985. |