

The International Committee on Taxonomy of Viruses

Taxonomy Proposal Form, 2025

**Part 1a: Details of taxonomy proposals**

|  |  |
| --- | --- |
| **Title:** | Rename one species in the genus *Dinodnavirus* and abolish one species in the genus *Rhizidiovirus* |
| **Code assigned:** | 2025.001F.A.v3.Dinodnavirus\_1spren\_Rhizidiovirus\_abolish | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Author(s), affiliation and email address(es):** | | | | |
| **Given name (+middle initial(s))** | **Surname** | **Affiliation** | **Email address** | **Corr. author(s)** |
| Sead | Sabanadzovic | Dept of Agricultural Science and Plant Protection, Mississippi State University, Mississippi State, MS 39762, USA | [ssabanadzovic@entomology.msstate.edu](mailto:ssabanadzovic@entomology.msstate.edu) | X |
| Arvind | Varsani | The Biodesign Center for Fundamental and Applied Microbiomics, Center for Evolution and Medicine, School of Life Sciences, Arizona State University, Tempe, AZ 85287-5001, USA | [Arvind.varsani@asu.edu](mailto:Arvind.varsani@asu.edu) |  |
| Mart | Krupovic | Institut Pasteur, Université Paris Cité, CNRS UMR6047, Archaeal Virology Unit, 75015 Paris, France | [mart.krupovic@pasteur.fr](mailto:mart.krupovic@pasteur.fr) |  |
| Keizo | Nagasaki | Marine Core Research Institute, Kochi University, Japan | [nagasaki@kochi-u.ac.jp](mailto:nagasaki@kochi-u.ac.jp) |  |
| Jens H | Kuhn | Frederick, MD 21704, USA | [jenshkuhn@comcast.net](mailto:jenshkuhn@comcast.net) |  |

**Part 1b: Taxonomy Proposal Submission**

|  |  |  |  |
| --- | --- | --- | --- |
| **ICTV Subcommittee:** | | | |
| Animal DNA Viruses and Retroviruses |  | Bacterial viruses |  |
| Animal minus-strand and dsRNA viruses |  | Fungal and protist viruses | **X** |
| Animal positive-strand RNA viruses |  | Plant viruses |  |
| Archaeal viruses |  | General - |  |

|  |
| --- |
| **List the ICTV Study Group(s) that have seen or have been involved in creating this proposal:** |
|  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Optional – complete only if formally voted on by an ICTV Study Group:** | | | |
| **Study Group** | **Number of members** | | |
| **Votes in support** | **Votes against** | **No vote** |
|  |  |  |  |
|  |  |  |  |

|  |  |
| --- | --- |
| **Submission date:** | 25/06/2025 |

**Part 1c: Feedback from ICTV Executive Committee (EC) meeting**

|  |  |
| --- | --- |
| **Executive Committee Meeting Decision code:** | **X** |
| A – Accept | **X** |
| Ac – Accept subject to revision by relevant subcommittee chair. No further vote required |  |
| U – Accept without revision but with re-evaluation and email vote by the EC |  |
| Uc – Accept subject to revision and re-evaluation and email vote by the EC |  |
| Ud – Deferred to the next EC meeting, with an invitation to revise based on EC comments |  |
| J - Reject |  |
| W - Withdrawn |  |

|  |
| --- |
| **Comments from the Executive Committee:** |
|  |

**Part 1d: Revised Taxonomy Proposal Submission**

|  |
| --- |
| **Response of proposer:** |
|  |

|  |  |
| --- | --- |
| **Revision date:** |  |

**Part 3:** **TAXONOMIC PROPOSAL**

|  |  |  |  |
| --- | --- | --- | --- |
| **Taxonomic changes proposed:** | | | |
| Establish new taxon |  | Split taxon |  |
| Abolish taxon | **X** | Merge taxon |  |
| Move taxon |  | Promote taxon |  |
| Rename taxon | **X** | Demote taxon |  |
| Move and rename |  |

|  |  |
| --- | --- |
| **Etymology (origin) of proposed taxonomic names:** | |
| **Taxon name** | **Etymology of the term** |
| *Dinodnavirus heterocapsae* | “heterocapsae” - from hostspeciesname*Heterocapsa circularisquama* |

|  |  |  |
| --- | --- | --- |
| **Permission for use of names derived from a living person:** | | |
| **Taxon name** | **Full name of person from whom the name is derived** | **Attached** |
|  |  |  |

|  |
| --- |
| **Abstract of Taxonomy Proposal:** |
| *Taxonomic rank(s) affected*:  Species, genus  *Description of current taxonomy*:  *Dinodnavirus*; *Heterocapsa circularisquama DNA virus 01*  *Rhizidiovirus*; *Rhizidiomyces virus*  *Proposed* *taxonomic change(s):*  Rename one species in the genus *Dinodnavirus* and abolish one species in the genus *Rhizidiovirus*.  *Justification*:  Currently, there are two species of DNA viruses under the remit of the ICTV Fungal and Protist Viruses Subcommittee with nomenclature not conforming to the ICTV’s binomial standards. We propose renaming the species *Heterocapsa circularisquama DNA virus 01* in the genus *Dinodnavirus* to “*Dinodnavirus heterocapsae”*. Furthermore, we propose abolishing the sole species *Rhizidiomyces virus* in the unassigned genus *Rhizidiovirus* due to the lack of any available genome sequence information for its representative member, Rhizidiomyces virus, which renders its classification impossible based on current ICTV standards. Accordingly, being a monospecific taxon, the genus *Rhizidiovirus* is also proposed to be abolished. |

|  |
| --- |
| **Text of Taxonomy proposal:** |
| *Taxonomic rank(s) affected*:  Species, genus  *Description of current taxonomy*:  *Dinodnavirus*; *Heterocapsa circularisquama DNA virus 01*  *Rhizidiovirus*; *Rhizidiomyces virus*  *Proposed* *taxonomic change(s)*:  *Dinodnavirus*; *Dinodnavirus heterocapsae*  *Demarcation criteria:*  *Not applicable*  *Justification*:  At present, there are two species of DNA viruses under the remit of the ICTV Fungal and Protist Viruses Subcommittee with nomenclature not conforming to the binomial standards. Therefore, we propose two actions to address these irregularities:   1. To rename species *Heterocapsa circularisquama DNA virus 01* in the genus *Dinodnavirus,* unassigned to the higher ranks of taxa, to the binomial format – “*Dinodnavirus heterocapsae”* 2. To abolish the sole species *Rhizidiomyces virus* in the unassigned genus *Rhizidiovirus* due to the lack of any available genome sequence information for its representative member, Rhizidiomyces virus, which renders its classification impossible based on current ICTV standards. Accordingly, by abolishing the sole species in the genus *Rhizidiovirus*, the genus is automatically abolished as well. |

|  |
| --- |
| **References:** |
|  |

|  |  |
| --- | --- |
| **Accompanying files:** | |
| **Filename** | **Description of contents** |
|  |  |
|  |  |

|  |
| --- |
| **Tables, Figures:** |

<Start here>