

The International Committee on Taxonomy of Viruses

Taxonomy Proposal Form, 2024

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

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| **Title:** | Abolish five unassigned species in the family *Tombusviridae* | |
| **Code assigned:** | 2024.017P.A.v1.Tombusviridae\_abolishsp |

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| **Author(s), affiliation and email address(es):** | | | |
| **Name** | **Affiliation** | **Email address** | **Corresponding author(s)** X |
| Scheets K | Department of Plant Pathology, Ecology and Evolution, Oklahoma State University, Stillwater, OK, USA | kay.scheets@okstate.edu | **X** |
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**Part 1b: Taxonomy Proposal Submission**

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

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

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| **Optional – complete only if formally voted on by an ICTV Study Group:** | | | |
| **Study Group** | **Number of members** | | |
| **Votes in support** | **Votes against** | **No vote** |
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| **Submission date:** | 21/06/2024 |

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

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| **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| W - Withdrawn |  |

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| **Comments from the Executive Committee:** |
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**Part 1d: Revised Taxonomy Proposal Submission**

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| **Response of proposer:** |
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| **Revision date:** | DD/MM/YYYY |

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

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| **Name of accompanying Excel module:** |
| 2024.017P.A.v1.Tombusviridae\_abolishsp.xlsx |

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

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| **Is any taxon name used here derived from that of a living person:** | | **N** |
| **Taxon name** | **Person from whom the name is derived** | **Attached X** |
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| **Abstract of Taxonomy Proposal:** |
| *Taxonomic rank(s) affected*: Species in the family *Tombusviridae*.  *Description of current taxonomy*: *Ahlum waterborne virus*, *Bean mild mosaic virus*, *Chenopodium necrosis virus*, *Cucumber soil-borne virus*, *Weddel waterborne virus* are currently classified as unassigned species in the Family *Tombusviridae*.  *Proposed* *taxonomic change(s):* We propose these species to be abolished.  *Justification*: We propose to abolish these five tombusvirid species due to the lack of sequence data for the five viruses. |

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| * **Text of Taxonomy proposal:** |
| *Taxonomic rank(s) affected*: Species in the family *Tombusviridae*.  *Description of current taxonomy*: *Ahlum waterborne virus*, *Bean mild mosaic virus*, *Chenopodium necrosis virus*, *Cucumber soil-borne virus*, *Weddel waterborne virus* are currently classified as unassigned species in the family *Tombusviridae* (Adams *et al.*, 2016; King *et al.*, 2018).  *Proposed* *taxonomic change(s)*: We propose to abolish the unassigned species in the family *Tombusviridae*, due to the absence of sequence data.  *Demarcation criteria:* Not applicable  *Justification*: Due to the lack of sequence data for the corresponding viruses, the floating tombusvirid species cannot be assigned to a genus, preventing the fulfillment of the ICTV mandate for a binomial nomenclature of virus species (Walker *et al.*, 2021). |

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| **References:** |
| Adams MJ, Lefkowitz EJ, King AMQ et al. Ratification vote on taxonomic proposals to the International Committee on Taxonomy of Viruses (2016). Arch Virol 161, 2921–2949. doi: 10.1007/s00705-016-2977-6.  King AMQ, Lefkowitz EJ, Mushegian AR, Adams MJ, Dutilh BE, Gorbalenya AE, Harrach B, Harrison RL, Junglen S, Knowles NJ, Kropinski AM, Krupovic M, Kuhn JH, Nibert ML, Rubino L, Sabanadzovic S, Sanfaçon H, Siddell SG, Simmonds P, Varsani A, Zerbini FM, Davison AJ. Changes to taxonomy and the International Code of Virus Classification and Nomenclature ratified by the International Committee on Taxonomy of Viruses (2018). Arch Virol 163(9), 2601-2631. doi: 10.1007/s00705-018-3847-1.  Walker PJ, Siddell SG, Lefkowitz EJ *et al.* Changes to virus taxonomy and to the International Code of Virus Classification and Nomenclature ratified by the International Committee on Taxonomy of Viruses (2021). Arch Virol 166, 2633–2648. doi: 10.1007/s00705-021-05156-1. |

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| **Tables, Figures:** |

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