

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

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| **Code assigned:** | **2023.001F** |  |
| **Short title:** Correction of an error in the ratified binomial names of two species in the family *Bacilldnaviridae* | | |
|  | | |

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**List the ICTV Study Group(s) that have seen this proposal**

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| Fungal and Protist Viruses Subcommittee |

**ICTV Study Group comments and response of proposer**

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**ICTV Study Group votes on proposal**

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| **Study Group** | **Number of members** | | |
| **Votes support** | **Votes against** | **No vote** |
|  |  |  |  |
|  |  |  |  |

**Authority to use the name of a living person**

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| --- | --- |
| **Is any taxon name used here derived from that of a living person (Y/N)** |  |

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| --- | --- | --- |
| **Taxon name** | **Person from whom the name is derived** | **Permission attached (Y/N)** |
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**Submission dates**

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| --- | --- |
| Date first submitted to SC Chair | 21 May 2023 |
| Date of this revision (if different to above) |  |

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

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**Part 2:** **NON-TAXONOMIC PROPOSAL**

**Text of proposal**

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

**Name of accompanying Excel module**

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| 2023.001F.N.Bacilladnaviridae\_correction\_2sp.xlsx |

**Abstract**

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| An error in the table and accompanying excel module was identified post ratification of the proposal - 2022.002F.N.v1.Bacilladnaviridae\_reorg. The two errors stem from a table formatting error which translated to an error in the genus, however, the figure and analysis provide the correct genus assignment. The species *Puahadnavirus gataifale* should be *Seawadnavirus gataifale* (OM154949; Avonheates virus SG\_154) and  species *Seawadnavirus katao* should be *Kieseladnavirus katao* (OM154947; Avonheates virus SG\_120) |

**Text of proposal**

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| |  | | --- | | An error was identified in the names of two species, *Puahadnavirus gataifale* and *Seawadnavirus katao*, in the ratified proposal 2022.002F.N.v1.Bacilladnaviridae\_reorg.  These two errors stem from table formatting (genus out by one cell in the row in column 1) and thus the error resulted in a wrong genus being listed. Nonetheless, the analysis summarized in Figure 1 of the original proposal (also provided below) showed the correct assignments, i.e., OM154949 to genus *Seawadnavirus* and OM154947 to *Kieseladnavirus.* We request an error correction, namely,   1. *Puahadnavirus gataifale* should be corrected to ***Seawadnavirus*** *gataifale* (OM154949; Avonheates virus SG\_154) 2. *Seawadnavirus katao* should be corrected to ***Kieseladnavirus*** *katao* (OM154947; Avonheates virus SG\_120)   We would like to thank Peter Simmonds for picking up this error. | |

**Supporting evidence**

Table 1 from 2022.002F.N.v1.Bacilladnaviridae\_reorg.doc with correction highlighted in bold red font.

**“Table 1:** Summary of the taxonomy of bacilladnaviruses. New taxa names are provided in blue font.”

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| --- | --- | --- | --- | --- |
| **New genus** | **Accession** | **Virus name** | **species** | **Epithet notes** |
| *Keisodnavirus* | LC379168 | Chaetoceros tenuissimus DNA virus SS12-43V | *Keisodnavirus chaetenu* | ***Chae****toceros* ***tenu****issimus* |
| *Protobacilladnavirus* | AB193315 | Chaetoceros salsugineum DNA virus | *Protobacilladnavirus chasesal* | ***Chae****toceros* ***sal****sugineum* |
|  | MH617734 | Bacilladnaviridae sp. isolate ctia23 | *Protobacilladnavirus snap* | Red **snap**per |
|  | AB844272 | Chaetoceros sp. DNA virus 7 | *Protobacilladnavirus chaetoc* | ***Chaetoc****eros sp* |
|  | AB553581 | Chaetoceros lorenzianus DNA virus | *Protobacilladnavirus chaelor* | ***Chae****toceros* ***lor****enzianus* |
|  | MH616678 | Bacilladnaviridae sp. isolate ctdc18 | *Protobacilladnavirus redsnap* | **Red** **snap**per |
|  | AB971660 | Chaetoceros tenuissimus DNA virus type-II | *Protobacilladnavirus tenuis* | *Chaetoceros* ***tenuis****simus* |
|  | AB971659 | Chaetoceros tenuissimus DNA virus type-II | *Protobacilladnavirus tenuis* | *Chaetoceros* ***tenuis****simus* |
|  | AB971658 | Chaetoceros tenuissimus DNA virus type-II | *Protobacilladnavirus tenuis* | *Chaetoceros* ***tenuis****simus* |
|  | AB597949 | Chaetoceros tenuissimus DNA virus | *Protobacilladnavirus tenuis* | *Chaetoceros* ***tenuis****simus* |
|  | MN229504 | Haslea ostrearia associated bacilladnavirus | *Protobacilladnavirus hasleos* | ***Hasle****a* ***os****trearia* |
|  | KY405007 | Amphibola crenata associated bacilladnavirus 2 | *Protobacilladnavirus hasleos* | ***Hasle****a* ***os****trearia* |
|  | MN229503 | Haslea ostrearia associated bacilladnavirus | *Protobacilladnavirus hasleos* | ***Hasle****a* ***os****trearia* |
|  | KY405006 | Amphibola crenata associated bacilladnavirus 1 | *Protobacilladnavirus mudflat* | **mud**-**flat** snail common name for Amphibola crenata |
| *Puahadnavirus* | OM154950 | Avonheates virus SG\_479 | *Puahadnavirus kaisui* | seawater in Japanese |
|  | OM154944 | Avonheates virus SG\_19 | *Puahadnavirus aber* | estuary in Welsh |
|  | OM154948 | Avonheates virus SG\_146 | *Puahadnavirus inbhir* | estuary in Scotish |
|  | OM154945 | Avonheates virus SG\_28 | *Puahadnavirus takutai* | coast in Māori |
|  | OM154938 | Avonheates virus SG2\_28 | *Puahadnavirus takutai* | coast in Māori |
| *Seawadnavirus* | OM154949 | Avonheates virus SG\_154 | ***Seawadnaviru****s gataifale* | estuary / coast in Samoan |
|  | KF133809 | Bacillariodnavirus LDMD-2013 | *Seawadnavirus kuhtahan* | seawater in Massaachusett |
|  | OM154943 | Avonheates virus SG\_924 | *Seawadnavirus avonheat* | **Avon**-**Heat**hcote estuary |
| *Kieseladnavirus* | OM154947 | Avonheates virus SG\_120 | ***Kieseladnavirus*** *katao* | water in Māori |
|  | KY405008 | Avon-Heathcote estuary associated bacilladnavirus | *Kieseladnavirus ampcren* | ***Amp****hibola* ***Cren****ata* |
|  | OM154942 | Avonheates virus SG\_4\_10 | *Kieseladnavirus titiko* | Amphibola crenata in Māori |
|  | OM154939 | Avonheates virus Gas\_102 | *Kieseladnavirus titiko* | Amphibola crenata in Māori |
|  | OM154941 | Avonheates virus Gas\_1207 | *Kieseladnavirus ampcren* | ***Amp****hibola* ***Cren****ata* |
|  | OM154940 | Avonheates virus Gas\_1078 | *Kieseladnavirus karahue* | common name for Amphibola crenata in Māori |
| *Aberdnavirus* | OM154946 | Avonheates virus SG\_61 | *Aberdnavirus waitai* | Seawater in Māori |
| *Diatodnavirus* | AB781089 | Chaetoceros setoense DNA virus | *Diatodnavirus chaese* | ***Chaet****oceros* ***se****toense* |

**A screenshot of a computer screen

Description automatically generated with medium confidence**

**Figure 1: A.** Maximum likelihood phylogenetic tree inferred from the aligned (MAFFT v7 [6]) Rep amino acid sequences of bacilladnaviruses using PhyML 3.0 [7] with rtREV+G+I as best substitution model determined using ProtTest [8]. Branches with <60% bootstrap support have been collapsed using TreeGraph2 [9]. **B**. Pairwise identity matrix of the Rep amino acid sequences of bacilladnaviruses determined using SDT v1.2 [10]. **C**. Distribution of pairwise identities of the Rep amino acid sequences of bacilladnaviruses determined using SDT v1.2 [10]. **D**. Genome organization and similarities between encoded proteins of the genomes of bacilladnaviruses determined using Clinker [11].

Figure 1 and the accompanying legend are reproduced in an unaltered formfrom 2022.002F.N.v1.Bacilladnaviridae\_reorg.doc

**References**