This 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**

|  |  |  |  |
| --- | --- | --- | --- |
| **Code assigned:** | ***2018.007B*** | | (to be completed by ICTV officers) |
| **Short title:**  **To rename 137 phage genera; and 6 species** | | | |
|  | | | |
| **Author(s):** | | | |
| Jumpei Uchiyama, Ho Bin Jang, Klumpp Jochen, Nicola K. Petty, David Prangishvili, Ramy Karam Aziz, Rodney James Brister, Lonnie van Zyl, Rob Edwards, Hanna Oksanen, Yigang Tong, Johannes Wittmann, Andrew M. Kropinski, Janis Rumnieks, Martha Clokie, Bas E. Dutilh, Poliane Alfenas-Zerbini, Siobain Duffy, Rob Lavigne, Annika Gillis, Francois Enault, Malgorzata Lobocka, Evelien Adriaenssens, Matthew Sullivan, Petar Knezevic, Jakub Barylski, Minna Poranen, Dann Turner, Mart Krupovic, Andrea Moreno Switt | | | |
| **Corresponding author with e-mail address:** | | | |
| Andrew M. Kropinski Phage.Canada@gmail.com | | | |
| **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) | | **Bacterial and Archaeal Viruses Subcommittee** | |
| **ICTV Study Group comments (if any) and response of the proposer:** | | | |
|  | | | |
|  | | | |
| Date first submitted to ICTV: | | | April 2018 |
| Date of this revision (if different to above): | | | June 2018 |

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

**Part 2:** **NON-STANDARD**

Template for any proposal regarding ICTV procedures, rules or policy, not involving the creation of new taxonomy.

| **Text of proposal:** |
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|  |

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

|  |
| --- |
| **Name of accompanying Excel module: 2018.007B.N.v2.rename137gen6sp** |

The taxonomic changes you are proposing should be presented on an accompanying Excel module, 2017\_TP\_Template\_Excel\_module. Please enter the file name of the completed module in this box.

**Supporting material:**

| additional material in support of this proposal |
| --- |
| Please explain the reasons for the taxonomic changes you are proposing and provide evidence to support them. The following information should be provided, where relevant:   * **Species demarcation criteria**: Explain how new species differ from others in the genus and demonstrate that these differences meet the criteria previously established for demarcating between species. If no criteriahave previously been established, and if there will now be more than one species in the genus, please state the demarcation criteria you are proposing. * **Higher taxa**:   + There is no formal requirement to state demarcation criteria when proposing new genera or other higher taxa. However, a similar concept should apply in pursuit of a rational and consistent virus taxonomy.   + Please indicate the **origin of names** assigned to new taxa at genus level and above.   + For each new genus a **type species** must be designated to represent it. Please explain your choice. * **Supporting evidence**: The use of Figures and Tables is strongly recommended (note that copying from publications will require permission from the copyright holder). For phylogenetic analysis, try to provide a tree where branch length is related to genetic distance. |

**Comment:** The names of many bacteriophage genera are at odds with those of other viruses by including numbers (e.g. *P22virus*) or, contrary to ICTV recommended rules, are unpronounceable (e.g. *Pocjvirus*). We have addressed this in a recent publication [1]. In addition to simple usually latinate changes (e.g. *T4virus* to *Tequatrovirus*) to 53 genera, we have chosen to recognize 31 locales, 35 male scientists and 12 female scientists.

| **References:** |
| --- |
| 1. Adriaenssens EM, Wittmann J, Kuhn JH, Turner D, Sullivan MB, Dutilh BE, Jang  HB, van Zyl LJ, Klumpp J, Lobocka M, Moreno Switt AI, Rumnieks J, Edwards RA,  Uchiyama J, Alfenas-Zerbini P, Petty NK, Kropinski AM, Barylski J, Gillis A,  Clokie MRC, Prangishvili D, Lavigne R, Aziz RK, Duffy S, Krupovic M, Poranen MM,  Knezevic P, Enault F, Tong Y, Oksanen HM, Rodney Brister J. Taxonomy of  prokaryotic viruses: 2017 update from the ICTV Bacterial and Archaeal Viruses  Subcommittee. Arch Virol. 2018 Jan 22. doi: 10.1007/s00705-018-3723-z. [Epub  ahead of print] PubMed PMID: 29356990. |