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## Changes to virus taxonomy and to the International Code of Virus Classification and Nomenclature ratified by the International Committee on Taxonomy of Viruses (2021)

Walker, Peter J.

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# Archives of Virology

## Virology Division News. Changes to virus taxonomy and to The International Code of Virus Classification and Nomenclature ratified by the International Committee on Taxonomy of Viruses (2021) --Manuscript Draft--

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Virology Division News

Changes to virus taxonomy and to The International Code of Virus  
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5 **Abstract**  
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7 This article reports the changes to virus taxonomy approved and ratified by the International  
8 Committee on Taxonomy of Viruses (ICTV) in March 2021. The entire ICTV was invited to  
9 vote on 290 taxonomic proposals approved by the ICTV Executive Committee at its meeting  
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## Introduction

Changes to virus taxonomy (the universal scheme of virus classification of the International Committee on Taxonomy of Viruses [ICTV]) take place annually and are the result of a multi-stage process. In accordance with the ICTV Statutes (<https://ictv.global/statutes.asp>), taxonomic proposals (TaxoProps) submitted to the ICTV Executive Committee (EC) undergo a review process that involves input from the ICTV Study Groups (SGs) and Subcommittees (SCs), other interested virologists, and the EC. After final approval by the EC, proposals are presented for ratification to the full ICTV membership by posting on the ICTV website (<https://ictv.global/>) followed by an electronic vote.

The latest set of proposals approved by the EC was made available on the ICTV website in February 2021 (see <https://ictv.global/proposal/MSL36/> for all proposals combined into a single zip file, and use the links provided in the References to access individual proposals). A list of proposals was then emailed on 3<sup>rd</sup> February 2021 to the 176 members of ICTV, namely the EC Members, Life Members, ICTV SC Members including the SG chairs, and ICTV National Representatives. Members were then requested to vote on whether to ratify the taxonomic proposals. Voting closed on 5<sup>th</sup> March 2021.

## Changes to virus taxonomy, to The International Code of Virus Classification and Nomenclature, and to the ICTV Statutes ratified in 2021

All proposals were ratified by ICTV members, in every case receiving an absolute majority of votes; at least 60% of eligible voters approved each proposal. A summary of the taxonomy changes enacted by ratification of the proposals is provided in Table 1. Each proposal is cited and listed in the References to acknowledge the authors' efforts and to provide links to the specific proposal on the ICTV website [1-297]. These documents remain available for those who wish to see the full details of the proposals. A ratified non-taxonomic proposal 2020.002G [3] specifies a novel procedure for expedited correction of unintended errors that may occur during proposal writing but clearly do not reflect the intention of the proposers, as described in the submitted proposal documentation. Examples of such errors include assignment of a lower-rank taxon to an incorrect higher rank, inadvertent introduction of duplicate taxon names, or assignment of a misspelled taxon name. Since the changes ratified by ICTV take effect immediately, this mechanism was used to correct seven proposals that relate to proposals ratified in March 2021 but were found to contain errors upon cross-checking [18, 53, 54, 66, 254, 255, 297].

A notable change approved this year is the adoption of a uniform binomial format for naming of virus species [1]. Previously, virologists have not been required to follow the convention of species naming that has been established in other fields of biology, whereby the species name consists of the genus name separated by a space from a species epithet that identifies the species within that genus. Over the last several decades, the case for a standardized nomenclature for virus species has been acknowledged by the ICTV and by many other virologists, but a uniform format of the species names had not been adopted (see references 298-304 for an incomplete but relatively representative account of the opinion spectrum). The case for a binomial nomenclature was presented by the ICTV Executive Committee in 2018 and 2020, and the advantages and disadvantages of different naming formats within the binomial framework were discussed [305, 306]. The EC then invited comments on this position from the virology community. Comments from ICTV SGs were also solicited and



1 received by the EC SCs. Debates of the merits of various forms of binomial nomenclature  
2 took place in social media (e.g., reference 307) and in journal publications [308, 309]. Taking  
3 these discussions and comments into account, ICTV ratified the adoption of a standardized  
4 binomial system, which may follow either Latinized or free form formats [1]. The ICTV SGs  
5 are now charged with conversion of all existing virus species names to the new binomial  
6 form; the process has started already and is expected to be completed in time to be considered  
7 by an EC meeting planned for 2023. It is worth emphasizing that this system concerns only  
8 the names of virus species but does not affect the names of viruses.  
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10 Another general proposal [2] was the abolition of the requirement for a type species – a  
11 designated nomenclatural type for each genus. The ICTV noted that the requirement for type  
12 species in virus taxonomy was largely historical. Most importantly, the ICVCN defines virus  
13 species as follows: “A species is a monophyletic group of viruses whose properties can be  
14 distinguished from those of other species by multiple criteria”, suggesting that the emphasis  
15 on “defining” a genus has been shifting from the properties of any particular member to the  
16 closeness of molecular and ecological relationships between all genus members. The ICTV  
17 concluded that the concept of a type species no longer serves a clear and useful purpose in  
18 virology and voted to abolish it.  
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22 One more proposal [4] has clarified the remit of the ICTV. In addition to viruses, ICTV has  
23 been classifying viroids and virus satellites, though none of these mobile genetic elements,  
24 including viruses themselves, have been operationally defined, leaving the limits of the ICTV  
25 scope unclear. This has been clarified now by giving operational definitions of viruses *sensu*  
26 *stricto*, viriforms, viroids, and satellites. These entities together constitute the virosphere and  
27 are within the remit of the ICTV responsibilities for their classification, taxonomy and  
28 nomenclature. The historical name of the organization – The International Committee on  
29 Taxonomy of Viruses – remains unchanged.  
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## 33 **Conclusion**

34 All proposals submitted to ratification were ratified by an absolute majority of the ICTV, and  
35 the changes are now part of official ICTV taxonomy. An up-to-date list of all approved taxa,  
36 which now includes more than 9000 virus species, can be found on the ICTV website: see  
37 <https://ictv.global/proposal/MSL36/> for the Master Species List and <https://ictv.global/vmr/>  
38 for the Virus Metadata Resource.  
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## 43 **Declarations**

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15 Smith, the authors were members of the ICTV Executive Committee during the relevant  
16 period. The views and conclusions contained in this document are those of the authors and  
17 should not be interpreted as necessarily representing the official policies, either expressed or  
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24 None of the work reported involved research on human participants or animals. All authors  
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6 *Betanemrhavirus*, *Betapaprhavirus* and *Betaricinrhavirus*) including 16 new species  
7 (*Mononegavirales: Rhabdoviridae*)

8 [https://ictv.global/ictv/proposals/2020.023M.R.Rhabdoviridae\\_7ngen\\_16nsp.zip](https://ictv.global/ictv/proposals/2020.023M.R.Rhabdoviridae_7ngen_16nsp.zip)  
9 peter.walker@uq.edu.au

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11 new species in the genus *Nyavirus* and four new species in one new genus *Formivirus*  
12 (*Mononegavirales: Nyamiviridae*)

13 [https://ictv.global/ictv/proposals/2020.024M.R.Nyamiviridae\\_1ngen\\_5nsp.zip](https://ictv.global/ictv/proposals/2020.024M.R.Nyamiviridae_1ngen_5nsp.zip)  
14 r.dietzgen@uq.edu.au

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16 Zhang YZ (2020) Create five new species in subfamily *Mammantavirinae*  
17 (*Bunyavirales: Hantaviridae*)

18 [https://ictv.global/ictv/proposals/2020.025M.R.Hantaviridae\\_5nsp.zip](https://ictv.global/ictv/proposals/2020.025M.R.Hantaviridae_5nsp.zip)  
19 piet.maes@kuleuven.be

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21 (2020) Reorganize the order to include four new families, 18 new genera, and 22 new  
22 species (*Jingchuvirales*)

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24 nicholas.dipaola.ctr@mail.mil

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26 Bergeron É, Burt F, Ergünay K, Garrison AR, Hewson R, Mirazami A, Palacios G,  
27 Papa A, Pawęska JT, Sall AA, Spengler J, Di Paola N, Kuhn JH (2020) Create four  
28 new genera and 30 new species (*Bunyavirales: Nairoviridae*)

29 [https://ictv.global/ictv/proposals/2020.027M.R.Nairoviridae\\_4ngen\\_30nsp.zip](https://ictv.global/ictv/proposals/2020.027M.R.Nairoviridae_4ngen_30nsp.zip)  
30 marco.marklewitz@charite.de

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32 X, Ebihara H, Gão GF, Groschup MH, Jonson GB, Nunes MRT, Palacios G, Sasaya  
33 T, Shirako Y, Song J-W, Wèi T, Zerbini M, Zhou X, Kuhn JH (2020) Create one new  
34 genus and 16 new species (*Bunyavirales: Phenuiviridae*)

35 [https://ictv.global/ictv/proposals/2020.029M.R.Phenuiviridae\\_1gen16sp.zip](https://ictv.global/ictv/proposals/2020.029M.R.Phenuiviridae_1gen16sp.zip)  
36 marco.marklewitz@charite.de

- 37 53. Kuhn JH (2021) Correct errors inadvertently introduced into phylum *Negarnaviricota*  
38 taxonomy

39 [https://ictv.global/ictv/proposals/2020.030M.R.Negarnaviricota\\_corrections.zip](https://ictv.global/ictv/proposals/2020.030M.R.Negarnaviricota_corrections.zip)  
40 kuhnjens@mail.nih.gov

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42 (*Mononegavirales: Rhabdoviridae*)

43 [https://ictv.global/ictv/proposals/2020.031M.R.Corrections\\_Rhabdoviridae.zip](https://ictv.global/ictv/proposals/2020.031M.R.Corrections_Rhabdoviridae.zip)  
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46 AC, Reuter G, Simmonds P, Skern T, Tapparel C, Wolthers KC, Woo PCY (2020)  
47 Create one new genus (*Caecilivirus*) including one new species (*Picornavirales:*  
48 *Picornaviridae*)

49 [https://ictv.global/ictv/proposals/2020.001S.R.Caecilivirus\\_1ngen1nsp.zip](https://ictv.global/ictv/proposals/2020.001S.R.Caecilivirus_1ngen1nsp.zip)  
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1 [https://ictv.global/ictv/proposals/2020.011S.R.Rubivirus\\_nspp.zip](https://ictv.global/ictv/proposals/2020.011S.R.Rubivirus_nspp.zip)  
2 [tony.goldberg@wisc.edu](mailto:tony.goldberg@wisc.edu)

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4 [https://ictv.global/ictv/proposals/2020.014S.R.Arteriviridae\\_corr.zip](https://ictv.global/ictv/proposals/2020.014S.R.Arteriviridae_corr.zip)  
5 [mbrinton@gsu.edu](mailto:mbrinton@gsu.edu)
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7 the genus *Myohalovirus* (*Caudovirales: Myoviridae*)  
8 <https://ictv.global/ictv/proposals/2020.001B.R.Myohalovirus.zip>  
9 [mike.dyallsmith@gmail.com](mailto:mike.dyallsmith@gmail.com)
- 10 68. Dyall-Smith ML, Tang S-L (2020) Create one new genus (*Haloferacalesvirus*)  
11 including five new species (*Caudovirales: Myoviridae*)  
12 <https://ictv.global/ictv/proposals/2020.002B.R.Haloferacalesvirus.zip>  
13 [mike.dyallsmith@gmail.com](mailto:mike.dyallsmith@gmail.com)
- 14 69. Lehman SM, Adriaenssens EM (2020) Abolish the species *Pseudomonas virus 42*  
15 (*Caudovirales: Myoviridae*)  
16 [https://ictv.global/ictv/proposals/2020.003B.R.Abolish\\_Ps\\_virus\\_42.zip](https://ictv.global/ictv/proposals/2020.003B.R.Abolish_Ps_virus_42.zip)  
17 [susan.lehman@fda.hhs.gov](mailto:susan.lehman@fda.hhs.gov)
- 18 70. Adriaenssens EM, Tolstoy I, Moraru C, Kropinski AM, Turner D (2020) Abolish the  
19 genus *Viunavirus*, move six existing species to the genus *Kuttervirus* and create 30  
20 new species (*Caudovirales: Ackermannviridae*)  
21 [https://ictv.global/ictv/proposals/2020.004B.R.Ackermannviridae\\_reassessment.zip](https://ictv.global/ictv/proposals/2020.004B.R.Ackermannviridae_reassessment.zip)  
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24 Create six new genera (*Caudovirales: Ackermannviridae*)  
25 <https://ictv.global/ictv/proposals/2020.005B.R.Ackermannviridae.zip>  
26 [Phage.Canada@gmail.com](mailto:Phage.Canada@gmail.com)
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28 the taxonomy of four actinobacteriophage-related genera (*Caudovirales:*  
29 *Siphoviridae*)  
30 [https://ictv.global/ictv/proposals/2020.006B.R.Actinobacteriophages\\_correct\\_taxa.zip](https://ictv.global/ictv/proposals/2020.006B.R.Actinobacteriophages_correct_taxa.zip)  
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33 (*Agmunavirus*) including one species (*Caudovirales: Siphoviridae*)  
34 <https://ictv.global/ictv/proposals/2020.007B.R.Agmunavirus.zip>  
35 [Phage.Canada@gmail.com](mailto:Phage.Canada@gmail.com)
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37 (*Alachuavirus*) including one species (*Caudovirales: Siphoviridae*)  
38 <https://ictv.global/ictv/proposals/2020.008B.R.Alachuavirus.zip>  
39 [Phage.Canada@gmail.com](mailto:Phage.Canada@gmail.com)
- 40 75. Krupovic M (2020) Create two new species in the genus *Bottigliavirus*  
41 (*Ampullaviridae*) <https://ictv.global/ictv/proposals/2020.009B.R.Ampullaviridae.zip>  
42 [mart.krupovic@pasteur.fr](mailto:mart.krupovic@pasteur.fr)
- 43 76. Adriaenssens EM, Tolstoy I, Łobocka M, Moraru C, Barylski J, Tong Y, Kropinski  
44 AM, Turner D (2020) Create one new genus (*Anjalivirus*) including two species  
45 (*Caudovirales: Podoviridae*)  
46 <https://ictv.global/ictv/proposals/2020.010B.R.Anjalivirus.zip>  
47 [Phage.Canada@gmail.com](mailto:Phage.Canada@gmail.com)
- 48 77. Adriaenssens EM, Tolstoy I, Turner D, Kropinski AM (2020) Create one new genus  
49 (*Annadreamyvirus*) including two species (*Caudovirales: Siphoviridae*)  
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4 (*Arawnvirus*) including one species (*Caudovirales: Siphoviridae*)  
5 <https://ictv.global/ictv/proposals/2020.012B.R.Arawnvirus.zip>  
6 Phage.Canada@gmail.com
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9 [https://ictv.global/ictv/proposals/2020.013B.R.Assorted\\_Siphoviridae.zip](https://ictv.global/ictv/proposals/2020.013B.R.Assorted_Siphoviridae.zip)  
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12 AM (2020) Create one new genus (*Astrithrvirus*) including one species  
13 (*Caudovirales: Podoviridae*)  
14 <https://ictv.global/ictv/proposals/2020.014B.R.Astrithrvirus.zip>  
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17 Kropinski AM (2020) Create one new genus (*Audreyjarvisvirus*) including seven  
18 species (*Caudovirales: Siphoviridae*)  
19 <https://ictv.global/ictv/proposals/2020.015B.R.Audreyjarvisvirus.zip>  
20 Phage.Canada@gmail.com
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22 Insberghe D, Elsherbini J, Sharma RS, Cutler MB, Kelly L, Polz MF (2020) Create  
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24 jelly roll fold major capsid lineage  
25 <https://ictv.global/ictv/proposals/2020.016B.R.Autolykiviridae.zip>  
26 kmkauffm@buffalo.edu
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28 (*Ayohtrevirus*) including one species (*Caudovirales: Myoviridae*)  
29 <https://ictv.global/ictv/proposals/2020.017B.R.Ayohtrevirus.zip>  
30 Phage.Canada@gmail.com
- 31 84. Adriaenssens EM, Tolstoy I, Kropinski AM, Moraru C, Łobocka M (2020) Create one  
32 new subfamily (*Azeredovirinae*) including one new genus (*Dubowvirus*)  
33 (*Caudovirales: Siphoviridae*)  
34 <https://ictv.global/ictv/proposals/2020.018B.R.Azeredovirinae.zip>  
35 loboocka@ibb.waw.pl
- 36 85. Adriaenssens EM, Tolstoy I, Łobocka M, Moraru C, Barylski J, Tong Y, Kropinski  
37 AM (2020) Create one new genus (*Badaztecivirus*) including two species  
38 (*Caudovirales: Podoviridae*)  
39 <https://ictv.global/ictv/proposals/2020.019B.R.Badaztecivirus.zip>  
40 Phage.Canada@gmail.com
- 41 86. Adriaenssens EM, Turner D, Tolstoy I, Kropinski AM (2020) Split the genus  
42 *Barnyardvirus* into three genera, two of which (*Konstantinevirus*, *Predatorvirus*) are  
43 new (*Caudovirales: Siphoviridae*)  
44 <https://ictv.global/ictv/proposals/2020.020B.R.Barnyardvirus.zip>  
45 Phage.Canada@gmail.com
- 46 87. Kropinski AM, Tolstoy I, Adriaenssens EM, Turner D, Barylski J (2020) Create one  
47 new genus (*Beceayunavirus*) including one new species (*Caudovirales: Siphoviridae*)  
48 <https://ictv.global/ictv/proposals/2020.021B.R.Beceayunavirus.zip>  
49 Jakub.Barylski@gmail.com
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2 (*Becedseptimavirus*) including one new species (*Caudovirales: Myoviridae*)  
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6 subfamily (*Beephvirinae*) including three new genera (*Caudovirales: Podoviridae*)  
7 <https://ictv.global/ictv/proposals/2020.023B.R.Beephvirinae.zip>.  
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- 9 90. Kropinski AM, Tolstoy I, Turner D, Adriaenssens EM (2020) Create one new genus  
10 (*Borockvirus*) including one new species (*Caudovirales: Myoviridae*)  
11 <https://ictv.global/ictv/proposals/2020.024B.R.Borockvirus.zip>.  
12 Phage.Canada@gmail.com
- 13 91. Adriaenssens EM, Tolstoy I, Kropinski AM, Moraru C, Łobocka M (2020) Create one  
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15 (*Caudovirales: Siphoviridae*)  
16 <https://ictv.global/ictv/proposals/2020.025B.R.Bronfenbrennervirinae.zip>.  
17 lobocka@ibb.waw.pl
- 18 92. Adriaenssens EM, Tolstoy I, Turner D, Kropinski AM (2020) Create one new genus  
19 (*Burrovirus*) including three new species (*Caudovirales: Podoviridae*)  
20 <https://ictv.global/ictv/proposals/2020.026B.R.Burrovirus.zip>.  
21 Phage.Canada@gmail.com
- 22 93. Adriaenssens EM, Tolstoy I, Kropinski AM, Barylski J (2020) Create one new genus  
23 (*Camtrevirus*) including three new species (*Caudovirales: Siphoviridae*)  
24 <https://ictv.global/ictv/proposals/2020.027B.R.Camtrevirus.zip>.  
25 Jakub.Barylski@gmail.com
- 26 94. Adriaenssens EM, Tolstoy I, Kropinski AM, Wittmann J, Buttner C, Coffey A  
27 (2020) Create one new genus (*Cbunavirus*) including four new species (*Caudovirales:*  
28 *Schitoviridae*) <https://ictv.global/ictv/proposals/2020.028B.R.Cbunavirus.zip>.  
29 jow12@dsmz.de
- 30 95. Adriaenssens EM, Tolstoy I, Moraru C, Turner D, Lueder M, Mahony J, Neve H,  
31 Moineau S, Kropinski AM (2020) Create 34 new species in the genus *Ceduovirus*  
32 (*Caudovirales: Siphoviridae*)  
33 <https://ictv.global/ictv/proposals/2020.029B.R.Ceduovirus.zip>.  
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36 new subfamilies and three new genera (*Caudovirales: Chaseviridae*)  
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40 Reassessment of the genus *Cheoctovirus* and formation of one new genus *Avanivirus*  
41 (*Caudovirales: Siphoviridae*)  
42 <https://ictv.global/ictv/proposals/2020.031B.R.Cheoctovirus.zip>.  
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45 Create one new genus (*Chertseyvirus*) including one new species (*Caudovirales:*  
46 *Siphoviridae*) <https://ictv.global/ictv/proposals/2020.032B.R.Chertseyvirus.zip>.  
47 Phage.Canada@gmail.com
- 48 99. Adriaenssens EM, Tolstoy I, Kropinski AM, Moraru C (2020) Create nine new  
49 species in the genus *Chivirus* (*Caudovirales: Siphoviridae*)  
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4 Neve H (2020) Create one new genus (*Chopinivirus*) including one new species  
5 (*Caudovirales: Podoviridae*)  
6 <https://ictv.global/ictv/proposals/2020.034B.R.Chopinivirus.zip>  
7 Phage.Canada@gmail.com
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9 analysis of the myoviruses infecting *Clostridioides difficile* (*Caudovirales:*  
10 *Myoviridae*)  
11 [https://ictv.global/ictv/proposals/2020.035B.R.Clostridioides\\_myoviruses.zip](https://ictv.global/ictv/proposals/2020.035B.R.Clostridioides_myoviruses.zip)  
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14 genus of *Mycobacterium* siphoviruses (*Cornievirus*) including one new species  
15 (*Caudovirales: Siphoviridae*)  
16 <https://ictv.global/ictv/proposals/2020.036B.R.Cornievirus.zip>  
17 Phage.Canada@gmail.com
- 18 103. Adriaenssens EM, Tolstoy I, Turner D, Kropinski AM (2020) Correction of  
19 errors in the master species list (*Caudovirales*)  
20 [https://ictv.global/ictv/proposals/2020.037B.R.Correction\\_MSL\\_Errors.zip](https://ictv.global/ictv/proposals/2020.037B.R.Correction_MSL_Errors.zip)  
21 Phage.Canada@gmail.com
- 22 104. Adriaenssens EM, Tolstoy I, Kropinski AM, Łobocka M (2020) Create one  
23 new genus (*Coventryvirus*) including seven new species (*Caudovirales: Siphoviridae*)  
24 <https://ictv.global/ictv/proposals/2020.038B.R.Coventryvirus.zip>  
25 [lobocka@ibb.waw.pl](mailto:lobocka@ibb.waw.pl)
- 26 105. Adriaenssens EM, Tolstoy I, Turner D, Kropinski AM (2020) Create three  
27 new genera (*Cukevirus*, *Indlulamithivirus* and *Fowlmouthvirus*) each with one new  
28 species (*Caudovirales: Siphoviridae*)  
29 [https://ictv.global/ictv/proposals/2020.040B.R.Cukevirus\\_Fowlmouthvirus\\_Indlumi](https://ictv.global/ictv/proposals/2020.040B.R.Cukevirus_Fowlmouthvirus_Indlulamithivirus.zip)  
30 [thivirus.zip](mailto:thivirus.zip). Phage.Canada@gmail.com
- 31 106. Adriaenssens EM, Tolstoy I, Turner D, Kropinski AM (2020) Create one new  
32 subfamily (*Deejayvirinae*) including three new genera (*Caudovirales: Siphoviridae*)  
33 <https://ictv.global/ictv/proposals/2020.041B.R.Deejayvirinae.zip>  
34 Phage.Canada@gmail.com
- 35 107. Caruso SM, deCarvalho TN, Erill I, Gill J, Gillis A (2020) Create two new  
36 genera (*Deltatectivirus* and *Epsilontectivirus*) including three new species  
37 (*Kalamavirales: Tectiviridae*)  
38 [https://ictv.global/ictv/proposals/2020.042B.R.Deltatectivirus\\_Epsilontectivirus.zip](https://ictv.global/ictv/proposals/2020.042B.R.Deltatectivirus_Epsilontectivirus.zip)  
39 [scaruso@umbc.edu](mailto:scaruso@umbc.edu)
- 40 108. Adriaenssens EM, Tolstoy I, Turner D, Kropinski AM (2020) Create 29 new  
41 species in two existing genera (*Caudovirales: Demerecviridae*)  
42 [https://ictv.global/ictv/proposals/2020.043B.R.Demerecviridae\\_new\\_species.zip](https://ictv.global/ictv/proposals/2020.043B.R.Demerecviridae_new_species.zip)  
43 Phage.Canada@gmail.com
- 44 109. Wittmann J, Adriaenssens EM, Kropinski AM (2020) Create one new genus  
45 (*Dendoorenvirus*) including one new species (*Caudovirales: Schitoviridae*)  
46 <https://ictv.global/ictv/proposals/2020.044B.R.Dendoorenvirus.zip>  
47 [Johannes.Wittmann@dsmz.de](mailto:Johannes.Wittmann@dsmz.de)
- 48 110. Adriaenssens EM, Tolstoy I, Kropinski AM, Barylski J, Gillis A (2020) Create  
49 one new genus (*Deurplevirus*) including one new species (*Caudovirales:*  
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- Siphoviridae*) <https://ictv.global/ictv/proposals/2020.045B.R.Deurplevirus.zip>  
Annika.gillis@gmail.com
111. Sadunishvili T, Kvesitadze G, Kropinski AM, Adriaenssens EM, Truncaitė L, Šimoliūnas E (2020) Create one new genus (*Dibbivirus*) including three new species (*Caudovirales: Myoviridae*)  
<https://ictv.global/ictv/proposals/2020.046B.R.Dibbivirus.zip>  
Phage.Canada@gmail.com
112. Kropinski AM, Adriaenssens EM, Barylski J (2020) Create one new genus (*Donellivirus*) to include the species *Bacillus virus G* (*Caudovirales: Myoviridae*)  
<https://ictv.global/ictv/proposals/2020.047B.R.Donellivirus.zip>  
Jakub.Barylski@gmail.com
113. Adriaenssens EM, Tolstoy I, Moraru C Kropinski AM (2020) Create five new genera (*Caudovirales: Drexlerviridae*)  
[https://ictv.global/ictv/proposals/2020.048B.R.Drexlerviridae\\_new\\_genera.zip](https://ictv.global/ictv/proposals/2020.048B.R.Drexlerviridae_new_genera.zip)  
Phage.Canada@gmail.com
114. Adriaenssens EM, Tolstoy I, Turner D, Kropinski AM (2020) Create one new species in the genus *Ruthyvirus* (*Caudovirales: Siphoviridae*)  
<https://ictv.global/ictv/proposals/2020.049B.R.Dumpstervirus.zip>  
Phage.Canada@gmail.com
115. Wittmann J, Adriaenssens EM, Kropinski AM (2020) Create one new genus (*Eceepunavirus*) including one new species (*Caudovirales: Schitoviridae*)  
<https://ictv.global/ictv/proposals/2020.050B.R.Eceepunavirus.zip>  
Johannes.Wittmann@dsmz.de
116. Adriaenssens EM, Tolstoy I, Turner D, Kropinski AM (2020) Create one new subfamily (*Eekayvirinae*) including two new genera (*Caudovirales: Podoviridae*)  
<https://ictv.global/ictv/proposals/2020.051B.R.Eekayvirinae.zip>  
Phage.Canada@gmail.com
117. Kropinski AM, Tolstoy I, Adriaenssens EM, Barylski J (2020) Create one new genus (*Elmenteitavirus*) including one new species (*Caudovirales: Myoviridae*)  
<https://ictv.global/ictv/proposals/2020.052B.R.Elmenteitavirus.zip>  
Jakub.Barylski@gmail.com
118. Kropinski AM, Tolstoy I, Turner D, Adriaenssens EM (2020) Create one new subfamily (*Emmerichvirinae*) including two new genera (*Ishigurovirus* and *Ceceduovirus*) (*Caudovirales: Myoviridae*)  
<https://ictv.global/ictv/proposals/2020.053B.R.Emmerichvirinae.zip>  
Phage.Canada@gmail.com
119. Adriaenssens EM, Tolstoy I, Kropinski AM, Moraru C, Wittmann J (2020) Create one subfamily (*Enquatrovirinae*) including three new genera (*Caudovirales: Schitoviridae*) <https://ictv.global/ictv/proposals/2020.054B.R.Enquatrovirinae.zip>  
jow12@dsmz.de
120. Kirchberger PC, Ochman H (2020) Create one new genus (*Enterogokushovirus*) in the subfamily *Gokushovirinae* (*Microviridae*)  
<https://ictv.global/ictv/proposals/2020.055B.R.Enterogokushovirus.zip>  
pkirchberger@utexas.edu
121. Adriaenssens EM, Tolstoy I, Kropinski AM, Moraru C, Wittmann J (2020) Create one new subfamily (*Erskinevirinae*) including two genera (*Caudovirales: Podoviridae*) <https://ictv.global/ictv/proposals/2020.056B.R.Erskinevirinae.zip>  
jow12@dsmz.de
122. Adriaenssens EM, Tolstoy I, Moraru C, Kropinski AM, Tsourkas PK, Barylski J (2020) Create 12 new species in the genus *Fernvirus* (formerly *Sitaravirus*)

(*Caudovirales: Siphoviridae*)

[https://ictv.global/ictv/proposals/2020.057B.R.Fernvirus\\_12nsp.zip](https://ictv.global/ictv/proposals/2020.057B.R.Fernvirus_12nsp.zip).

Jakub.Barylski@gmail.com

123. Nilsson E, Holmfeldt K (2020) Create six new genera including five new species in the genus *Muminvirus*, six new species in the genus *Lillamyvirus*, one new species in the genus *Hattifnattvirus*, two new species in the genus *Pippivirus*, one new species in the genus *Tantivirus* and one new species in the genus *Labanvirus* (*Caudovirales*)

[https://ictv.global/ictv/proposals/2020.058B.R.Flavobacterium\\_phages.zip](https://ictv.global/ictv/proposals/2020.058B.R.Flavobacterium_phages.zip).

karin.holmfeldt@lnu.se

124. Adriaenssens EM, Tolstoy I, Moraru C, Turner D, Lueder M, Mahony J, Neve H, Moineau S, Kropinski AM (2020) Create one new genus (*Fremauxvirus*) including two new species (*Caudovirales: Siphoviridae*)

<https://ictv.global/ictv/proposals/2020.059B.R.Fremauxvirus.zip>.

Phage.Canada@gmail.com

125. Adriaenssens EM, Tolstoy I, Kropinski AM, Jang HB, Sullivan MB, Moraru C, Wittmann J (2020) Create one new subfamily (*Fuhrmanvirinae*) including two new genera (*Caudovirales: Schitoviridae*)

<https://ictv.global/ictv/proposals/2020.060B.R.Fuhrmanvirinae.zip>. jow12@dsmz.de

126. Kropinski AM, Turner D, Adriaenssens EM (2020) Create one new genus (*Fukuivirus*) including one new species and one existing species (*Microcystis virus Ma-LMM01*) (*Caudovirales: Myoviridae*)

<https://ictv.global/ictv/proposals/2020.061B.R.Fukuivirus.zip>.

Phage.Canada@gmail.com

127. Adriaenssens EM, Tolstoy I, Turner D, Kropinski AM (2020) Create one new genus (*Gilsonvirus*) including two new species (*Caudovirales: Siphoviridae*)

<https://ictv.global/ictv/proposals/2020.062B.R.Gilsonvirus.zip>.

Phage.Canada@gmail.com

128. Krupovic M, Baquero DP, Prangishvili D (2020) Rename the genus *Alphaglobulovirus* and create two new species (*Globuloviridae*)

<https://ictv.global/ictv/proposals/2020.063B.R.Globuloviridae.zip>.

mart.krupovic@pasteur.fr

129. Adriaenssens EM, Tolstoy I, Kropinski AM, Tsourkas PK (2020) Create one new subfamily (*Gochnauervirinae*) including four genera (*Caudovirales: Siphoviridae*)

<https://ictv.global/ictv/proposals/2020.064B.R.Gochnauervirinae.zip>.

Phage.Canada@gmail.com

130. Adriaenssens EM, Tolstoy I, Kropinski AM, Moraru C (2020) Create one new subfamily (*Gorgonvirinae*) including two genera (*Caudovirales: Myoviridae*)

<https://ictv.global/ictv/proposals/2020.065B.R.Gorgonvirinae.zip>.

Phage.Canada@gmail.com

131. Adriaenssens EM, Tolstoy I, Łobocka M, Moraru C, Barylski J, Tong Y, Kropinski AM (2020) Create one new family (*Guelinviridae*) of Clostridium phages including one new subfamily, four new genera and nine new species (*Caudovirales*)

<https://ictv.global/ictv/proposals/2020.066B.R.Guelinviridae.zip>.

Phage.Canada@gmail.com

132. Adriaenssens EM, Tolstoy I, Kropinski AM, Barylski J (2020) Create one new subfamily (*Gutmannvirinae*) including two new genera and three new species (*Caudovirales: Siphoviridae*)

<https://ictv.global/ictv/proposals/2020.067B.R.Gutmannvirinae.zip>.

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133. Adriaenssens EM, Tolstoy I, Moraru C, Kropinski AM, Tsourkas PK, Barylski J (2020) Rename the genus *Halcyonevirus* (formerly *Trippvirus*) and create four new species (*Caudovirales: Siphoviridae*)  
<https://ictv.global/ictv/proposals/2020.068B.R.Halcyonevirus.zip>.  
Jakub.Barylski@gmail.com
  134. Adriaenssens EM, Tolstoy I, Moraru C, Kropinski AM (2020) Create 13 new species in the genus *Hanrivervirus* (*Caudovirales: Drexelvirus*)  
<https://ictv.global/ictv/proposals/2020.069B.R.Hanrivervirus.zip>.  
Phage.Canada@gmail.com
  135. Lehman SM, Petit MA, Lossouarn J, Tong Y, Tolstoy I, Adriaenssens E (2020) Promote the genus *Hendrixvirus* to the rank of subfamily (*Hendrixvirinae*) and establish nine new genera (*Caudovirales: Siphoviridae*)  
<https://ictv.global/ictv/proposals/2020.070B.R.Hendrixvirinae.zip>.  
susan.lehman@fda.hhs.gov
  136. Adriaenssens EM, Tolstoy I, Turner D, Kropinski AM (2020) Create one new genus (*Henunavirus*) including two new species in the subfamily *Vequintavirinae* (*Caudovirales: Myoviridae*)  
<https://ictv.global/ictv/proposals/2020.071B.R.Henunavirus.zip>.  
Phage.Canada@gmail.com
  137. Adriaenssens EM, Tolstoy I, Kropinski AM, Moraru C, Hertel R, Lehman SM, Barylski J (2020) Create 13 new genera and move two genera (*Caudovirales: Herelleviridae*) <https://ictv.global/ictv/proposals/2020.072B.R.Herelleviridae.zip>.  
Jakub.Barylski@gmail.com
  138. Adriaenssens EM, Tolstoy I, Turner D, Kropinski AM (2020) Create one new genus (*Hnatkovirus*) including one new species (*Caudovirales: Siphoviridae*)  
<https://ictv.global/ictv/proposals/2020.073B.R.Hnatkovirus.zip>.  
Phage.Canada@gmail.com
  139. Adriaenssens EM, Tolstoy I, Kropinski AM, Barylski J (2020) Create one new genus (*Hubeivirus*) including two new species (*Caudovirales: Siphoviridae*)  
<https://ictv.global/ictv/proposals/2020.074B.R.Hubeivirus.zip>.  
Jakub.Barylski@gmail.com
  140. Adriaenssens EM, Tolstoy I, Kropinski AM, Moraru C, Wittmann J (2020) Create one new genus (*Huelvavirus*) including one new species (*Caudovirales: Schitoviridae*) <https://ictv.global/ictv/proposals/2020.075B.R.Huelvavirus.zip>.  
jow12@dsmz.de
  141. Adriaenssens EM, Tolstoy I, Kropinski AM, Moraru C, Wittmann J (2020) Create one new subfamily (*Humphriesvirinae*) including three existing genera (*Caudovirales: Schitoviridae*)  
<https://ictv.global/ictv/proposals/2020.076B.R.Humphriesvirinae.zip>.  
jow12@dsmz.de
  142. Adriaenssens EM, Tolstoy I, Moraru C Kropinski AM (2020) Create three new species in the genus *Ilzatvirus* (*Caudovirales: Siphoviridae*)  
<https://ictv.global/ictv/proposals/2020.077B.R.Ilzatvirus.zip>.  
Phage.Canada@gmail.com
  143. Adriaenssens EM, Tolstoy I, Kropinski AM, Barylski J (2020) Create one new genus (*Jarrellvirus*) including one new species (*Caudovirales: Siphoviridae*)  
<https://ictv.global/ictv/proposals/2020.078B.R.Jarrellvirus.zip>.  
Jakub.Barylski@gmail.com
  144. Adriaenssens EM, Tolstoy I, Kropinski AM, Morozova V, Barylski J (2020) Create one new genus (*Kamchatkavirus*) including one new species (*Caudovirales:*

- 1 *Siphoviridae*) <https://ictv.global/ictv/proposals/2020.079B.R.Kamchatkavirus.zip>.  
2 Jakub.Barylski@gmail.com
- 3 145. Kropinski AM, Adriaenssens EM, Turner D (2020) Create one new genus  
4 (*Kanagawavirus*) including two new species (*Caudovirales: Myoviridae*)  
5 <https://ictv.global/ictv/proposals/2020.080B.R.Kanagawavirus.zip>.  
6 Phage.Canada@gmail.com
- 7 146. Adriaenssens EM, Tolstoy I, Turner D, Kropinski AM (2020) Create one new  
8 genus (*Karimacvirus*) including five new species (*Caudovirales: Siphoviridae*)  
9 <https://ictv.global/ictv/proposals/2020.081B.R.Karimacvirus.zip>.  
10 Phage.Canada@gmail.com
- 11 147. Kropinski AM, Adriaenssens EM, Neve H, Franz CMAP, Sprotte S (2020)  
12 Create one new genus (*Knuthellervirus*) including one new species (*Caudovirales:*  
13 *Siphoviridae*) <https://ictv.global/ictv/proposals/2020.082B.R.Knuthellervirus.zip>.  
14 Phage.Canada@gmail.com
- 15 148. Kropinski AM, Turner D, Adriaenssens EM (2020) Create one new genus  
16 (*Kozyakovvirus*) including one new species (*Caudovirales: Podoviridae*)  
17 <https://ictv.global/ictv/proposals/2020.083B.R.Kozyakovvirus.zip>.  
18 Phage.Canada@gmail.com
- 19 149. Adriaenssens EM, Tolstoy I, Moraru C, Kropinski AM (2020) Create one new  
20 genus (*Kuleanavirus*) including one new species (*Caudovirales: Siphoviridae*)  
21 <https://ictv.global/ictv/proposals/2020.084B.R.Kuleanavirus.zip>.  
22 Phage.Canada@gmail.com
- 23 150. Adriaenssens EM, Tolstoy I, Kropinski AM (2020) Create one new genus  
24 (*Kungbxnavirus*) including one new species (*Caudovirales: Myoviridae*)  
25 <https://ictv.global/ictv/proposals/2020.085B.R.Kungbxnavirus.zip>.  
26 Phage.Canada@gmail.com
- 27 151. Adriaenssens EM, Tolstoy I, Turner D, Kropinski AM (2020) Create one new  
28 genus (*Kylevirus*) including one new species (*Caudovirales: Myoviridae*)  
29 <https://ictv.global/ictv/proposals/2020.086B.R.Kylevirus.zip>.  
30 Phage.Canada@gmail.com
- 31 152. Kabwe M, Petrovski S, Tucci J, Adriaenssens EM, Tolstoy I, Kropinski AM  
32 (2020) Create one new genus (*Lahexavirus*) including four new species  
33 (*Caudovirales: Podoviridae*)  
34 <https://ictv.global/ictv/proposals/2020.087B.R.Lahexavirus.zip>.  
35 Phage.Canada@gmail.com
- 36 153. Adriaenssens EM, Tolstoy I, Turner D, Kropinski AM (2020) Create one new  
37 genus (*Lambovirus*) including five new species (*Caudovirales: Siphoviridae*)  
38 <https://ictv.global/ictv/proposals/2020.088B.R.Lambovirus.zip>.  
39 Phage.Canada@gmail.com
- 40 154. Kropinski AM, Tolstoy I, Turner D, Adriaenssens EM (2020) Create 12 new  
41 genera including 17 new species for Lactobacillus viruses (*Caudovirales:*  
42 *Siphoviridae*)  
43 [https://ictv.global/ictv/proposals/2020.089B.R.Lactobacillus\\_siphoviruses.zip](https://ictv.global/ictv/proposals/2020.089B.R.Lactobacillus_siphoviruses.zip).  
44 Phage.Canada@gmail.com
- 45 155. Adriaenssens EM, Tolstoy I, Moraru C, Kropinski AM (2020) Create three  
46 new species in the genus *Laroyevirus* (*Caudovirales: Siphoviridae*)  
47 <https://ictv.global/ictv/proposals/2020.090B.R.Laroyevirus.zip>.  
48 Phage.Canada@gmail.com
- 49 156. Adriaenssens EM, Tolstoy I, Kropinski AM (2020) Create one new genus  
50 (*Lastavirus*) including two new species (*Caudovirales: Podoviridae*)  
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- 1 <https://ictv.global/ictv/proposals/2020.091B.R.Lastavirus.zip>  
2 Phage.Canada@gmail.com
- 3 157. Kropinski AM, Tolstoy I, Adriaenssens EM, Kabwe M, Tucci J (2020) Create  
4 one new genus (*Latrobevirus*) including one new species (*Caudovirales*:  
5 *Siphoviridae*) <https://ictv.global/ictv/proposals/2020.092B.R.Latrobevirus.zip>.  
6 Phage.Canada@gmail.com
- 7 158. Adriaenssens EM, Tolstoy I, Turner D, Kropinski AM (2020) Create one new  
8 genus (*Leicestervirus*) including three new species (*Caudovirales*: *Siphoviridae*)  
9 <https://ictv.global/ictv/proposals/2020.093B.R.Leicestervirus.zip>.  
10 Phage.Canada@gmail.com
- 11 159. Adriaenssens EM, Tolstoy I, Moraru C Kropinski AM (2020) Create one new  
12 genus (*Seongbukvirus*) including one new species and create four new species of  
13 Leuconostoc phages in two existing genera (*Caudovirales*: *Siphoviridae*)  
14 [https://ictv.global/ictv/proposals/2020.094B.R.Leuconostoc\\_siphoviruses.zip](https://ictv.global/ictv/proposals/2020.094B.R.Leuconostoc_siphoviruses.zip).  
15 Phage.Canada@gmail.com
- 16 160. Callanan J, Stockdale SR, Adriaenssens EM, Kuhn JH, Rumnieks J,  
17 Shkoporov A, Draper LA, Ross RP, Hill C (2020) Rename one class (*Leviviricetes* -  
18 formerly *Allasoviricetes*), rename one order (*Norzivirales* - formerly *Levivirales*),  
19 create one new order (*Timlovirales*), and expand the class to a total of six families,  
20 420 genera and 883 species  
21 <https://ictv.global/ictv/proposals/2020.095B.R.Leviviricetes.zip>. c.hill@ucc.ie
- 22 161. Truncatè L, Kropinski AM, Adriaenssens EM, Šimoliūnas E (2020) Create  
23 one new genus (*Lietduovirus*) including one new species (*Caudovirales*: *Myoviridae*)  
24 <https://ictv.global/ictv/proposals/2020.096B.R.Lietduovirus.zip>.  
25 Phage.Canada@gmail.com
- 26 162. Wittmann J, Adriaenssens EM, Kropinski AM (2020) Create one new genus  
27 (*Littlefixvirus*) containing one new species (*Caudovirales*: *Schitoviridae*)  
28 <https://ictv.global/ictv/proposals/2020.097B.R.Littlefixvirus.zip>.  
29 Johannes.Wittmann@dsmz.de
- 30 163. Kropinski AM, Tolstoy I, Turner D, Adriaenssens EM (2020) Create one new  
31 genus (*Marfavirus*) including two new species (*Caudovirales*: *Myoviridae*)  
32 <https://ictv.global/ictv/proposals/2020.098B.R.Marfavirus.zip>.  
33 Phage.Canada@gmail.com
- 34 164. Adriaenssens EM, Tolstoy I, Moraru C, Kropinski AM (2020) Create one new  
35 species in the genus *Marthavirus* (*Caudovirales*: *Myoviridae*)  
36 <https://ictv.global/ictv/proposals/2020.099B.R.Marthavirus.zip>.  
37 Phage.Canada@gmail.com
- 38 165. Oksanen HM, Krupovic M, Jalasvuori M (2020) Create one new family  
39 (*Matsushitaviridae*) including one renamed genus (*Hukuchivirus* – formerly  
40 *Gammasphaerolipovirus*) moved from the family *Sphaerolipoviridae*  
41 (*Halopanivirales*)  
42 <https://ictv.global/ictv/proposals/2020.100B.R.Matsushitaviridae.zip>.  
43 matti.jalasvuori@jyu.fi
- 44 166. Adriaenssens EM, Tolstoy I, Kropinski AM, Ramsey J (2020) Create one new  
45 genus (*Menderavirus*) including three new species (*Caudovirales*: *Myoviridae*)  
46 <https://ictv.global/ictv/proposals/2020.101B.R.Menderavirus.zip>.  
47 Phage.Canada@gmail.com
- 48 167. Adriaenssens EM, Tolstoy I, Kropinski AM, Moraru C, Wittmann J (2020)  
49 Create one new subfamily (*Migulavirinae*) including two existing genera  
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(*Caudovirales: Schitoviridae*)

- 1 <https://ictv.global/ictv/proposals/2020.102B.R.Migulavirinae.zip>. jow12@dsmz.de  
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3 168. Adriaenssens EM, Tolstoy I, Kropinski AM Ramsey J (2020) Create one new  
4 genus (*Moabitevirus*) including two new species (*Caudovirales: Myoviridae*)  
5 <https://ictv.global/ictv/proposals/2020.103B.R.Moabitevirus.zip>.  
6 Phage.Canada@gmail.com  
7 169. Adriaenssens EM, Tolstoy I, Kropinski AM (2020) Create one new genus  
8 (*Moturavirus*) including one new species (*Caudovirales: Myoviridae*)  
9 <https://ictv.global/ictv/proposals/2020.104B.R.Moturavirus.zip>.  
10 Phage.Canada@gmail.com  
11 170. Adriaenssens EM, Tolstoy I, Moraru C, Kropinski AM (2020) Create one new  
12 genus (*Mufasoctovirus*) including one new species (*Caudovirales: Siphoviridae*)  
13 <https://ictv.global/ictv/proposals/2020.105B.R.Mufasoctovirus.zip>.  
14 Phage.Canada@gmail.com  
15 171. Adriaenssens EM, Tolstoy I, Kropinski AM, Ramsey J (2020) Create one new  
16 genus (*Muldoonvirus*) including two new species (*Caudovirales: Myoviridae*)  
17 <https://ictv.global/ictv/proposals/2020.106B.R.Muldoonvirus.zip>.  
18 Phage.Canada@gmail.com  
19 172. Adriaenssens EM, Tolstoy I, Turner D, Kropinski AM (2020) Create one new  
20 genus (*Mydovirus*) including six new species in the subfamily *Vequintavirinae*  
21 (*Caudovirales: Myoviridae*)  
22 <https://ictv.global/ictv/proposals/2020.107B.R.Mydovirus.zip>.  
23 Phage.Canada@gmail.com  
24 173. Gonzalez-Serrano R, Dunne M, Rosselli R, Martin-Cuadrado A-B, Grosboillot  
25 V, Zinsli LV, Roda-Garcia JJ, Loessner MJ, Rodriguez-Valera F (2020) Create one  
26 new genus (*Myoalterovirus*) including one new species (*Caudovirales: Myoviridae*)  
27 <https://ictv.global/ictv/proposals/2020.108B.R.Myoalterovirus.zip>.  
28 rafaেল.gonzalezs@umh.es  
29 174. Adriaenssens EM, Tolstoy I, Turner D, Kropinski AM (2020) Create one new  
30 genus (*Myosmarvirus*) including two new species (*Caudovirales: Myoviridae*)  
31 <https://ictv.global/ictv/proposals/2020.109B.R.Myosmarvirus.zip>.  
32 Phage.Canada@gmail.com  
33 175. Adriaenssens EM, Tolstoy I, Turner D, Lueder M, Moineau S, Kropinski AM  
34 (2020) Create one new genus (*Nevevirus*) including four new species (*Caudovirales:*  
35 *Siphoviridae*) <https://ictv.global/ictv/proposals/2020.110B.R.Nevevirus.zip>.  
36 Phage.Canada@gmail.com  
37 176. Kropinski AM, Tolstoy I, Turner D, Adriaenssens EM (2020) Create one new  
38 genus (*Nylescharonvirus*) including two new species (*Caudovirales: Myoviridae*)  
39 <https://ictv.global/ictv/proposals/2020.111B.R.Nylescharonvirus.zip>.  
40 Phage.Canada@gmail.com  
41 177. Adriaenssens EM, Tolstoy I, Kropinski AM, Moraru C, Wittmann J (2020)  
42 Create one new genus (*Pacinivirus*) including two new species (*Caudovirales:*  
43 *Schitoviridae*) <https://ictv.global/ictv/proposals/2020.112B.R.Pacinivirus.zip>.  
44 jow12@dsmz.de  
45 178. Adriaenssens EM, Tolstoy I, Kropinski AM Ramsey J (2020) Create one new  
46 genus (*Parlovirus*) including one new species (*Caudovirales: Podoviridae*)  
47 <https://ictv.global/ictv/proposals/2020.113B.R.Parlovirus.zip>.  
48 Phage.Canada@gmail.com  
49 179. Roux S, Krupovic M (2020) Create one new family (*Paulinoviridae*) including  
50 two genera moved from the family *Inoviridae* (*Tubulavirales*)  
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- 1 <https://ictv.global/ictv/proposals/2020.114B.R.Paulinoviridae.zip>  
2 siroux1@gmail.com
- 3 180. Adriaenssens EM, Tolstoy I, Turner D, Kropinski AM (2020) Abolish one  
4 genus (*Pb1virus*) and rename one species (*Mycobacterium virus Plot*) (*Caudovirales*:  
5 *Siphoviridae*) <https://ictv.global/ictv/proposals/2020.115B.R.Pb1virus.zip>.  
6 Phage.Canada@gmail.com
- 7 181. Adriaenssens EM, Tolstoy I, Turner D, Kropinski AM (2020) Create one new  
8 genus (*Bcepfunavirus*) and create nine new species in the genus *Pbunavirus*  
9 (*Caudovirales*: *Myoviridae*)  
10 <https://ictv.global/ictv/proposals/2020.116B.R.Pbunavirus.zip>.  
11 Phage.Canada@gmail.com
- 12 182. van Zyl LJ, Lueder MR, Bishop-Lilly KA, Turner D, Adriaenssens EM,  
13 Kropinski AM (2020) Create five new genera and 29 new species in the subfamily  
14 *Peduovirinae* (*Caudovirales*: *Myoviridae*)  
15 <https://ictv.global/ictv/proposals/2020.117B.R.Peduoviruses.zip>. lvanzyl@uwc.ac.za
- 16 183. Kropinski AM, Adriaenssens EM, Tolstoy I, Barylski J (2020) Create one new  
17 genus (*Pimunavirus*) including one new species (*Caudovirales*: *Myoviridae*)  
18 <https://ictv.global/ictv/proposals/2020.118B.R.Pemunavirus.zip>.  
19 Jakub.Barylski@gmail.com
- 20 184. Adriaenssens EM, Tolstoy I, Turner D, Kropinski AM (2020) Create one new  
21 genus (*Plateaulakevirus*) including four new species (*Caudovirales*: *Myoviridae*)  
22 <https://ictv.global/ictv/proposals/2020.119B.R.Plateaulakevirus.zip>.  
23 Phage.Canada@gmail.com
- 24 185. Adriaenssens EM, Tolstoy I, Kropinski AM, Moraru C, Wittmann J (2020)  
25 Create one new genus (*Pokkenvirus*) including one new species (*Caudovirales*:  
26 *Schitoviridae*) <https://ictv.global/ictv/proposals/2020.120B.R.Pokkenvirus.zip>.  
27 jow12@dsmz.de
- 28 186. Adriaenssens EM, Tolstoy I, Kropinski AM, Moraru C, Wittmann J (2020)  
29 Create one new genus (*Pollockvirus*) including one species moved from the genus  
30 *Ithacavirus* (*Caudovirales*: *Schitoviridae*)  
31 <https://ictv.global/ictv/proposals/2020.121B.R.Pollockvirus.zip>. jow12@dsmz.de
- 32 187. Adriaenssens EM, Tolstoy I, Kropinski AM, Jang HB, Sullivan MB, Moraru  
33 C, Wittmann J (2020) Create one new subfamily (*Pontosvirinae*) including three new  
34 genera (*Caudovirales*: *Schitoviridae*)  
35 <https://ictv.global/ictv/proposals/2020.122B.R.Pontosvirinae.zip>. jow12@dsmz.de
- 36 188. Wittmann J, Adriaenssens EM, Kropinski AM (2020) Create one new genus  
37 (*Presleyvirus*) including one new species (*Caudovirales*: *Schitoviridae*)  
38 <https://ictv.global/ictv/proposals/2020.123B.R.Presleyvirus.zip>.  
39 Johannes.Wittmann@dsmz.de
- 40 189. Adriaenssens EM, Tolstoy I, Kropinski AM Ramsey J (2020) Create one new  
41 genus (*Privateervirus*) including two new species (*Caudovirales*: *Podoviridae*)  
42 <https://ictv.global/ictv/proposals/2020.124B.R.Privateervirus.zip>.  
43 Phage.Canada@gmail.com
- 44 190. Kropinski AM, Adriaenssens EM, Moraru C (2020) Create one new genus  
45 (*Pseudotevenvirus*) including nine species in the subfamily *Tevenvirinae*  
46 (*Caudovirales*: *Myoviridae*)  
47 <https://ictv.global/ictv/proposals/2020.125B.R.Pseudotevenvirus.zip>.  
48 Phage.Canada@gmail.com
- 49 191. Adriaenssens EM, Tolstoy I, Kropinski AM, Moraru C, Wittmann J (2020)  
50 Create one new genus (*Pylasvirus*) including two new species (*Caudovirales*:  
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- Schitoviridae*) <https://ictv.global/ictv/proposals/2020.126B.R.Pylasvirus.zip>  
jow12@dsmz.de
192. Adriaenssens EM, Tolstoy I, Turner D, Lueder M, Mahony J, Neve H, Moineau S, Kropinski AM (2020) Create one new genus (*Questintvirus*) including one new species (*Caudovirales: Siphoviridae*)  
<https://ictv.global/ictv/proposals/2020.127B.R.Questintvirus.zip>  
Phage.Canada@gmail.com
193. Ma R, Zhang R (2020) Create one new subfamily (*Queuovirinae*) including one new genus (*Amoyvirus*) and three existing genera (*Caudovirales: Siphoviridae*)  
<https://ictv.global/ictv/proposals/2020.128B.R.Queuovirinae.zip>  
maruijie@stu.xmu.edu.cn
194. Adriaenssens EM, Tolstoy I, Moraru C, Kropinski AM, Kaliniene L (2020) Rename one genus (*Klausavirus* - formerly *Radnorvirus*) and create three new species (*Caudovirales: Myoviridae*)  
[https://ictv.global/ictv/proposals/2020.129B.R.Radnorvirus\\_rename.zip](https://ictv.global/ictv/proposals/2020.129B.R.Radnorvirus_rename.zip)  
laura.kaliniene@bchi.vu.lt
195. Torres-Barceló C, Trotreau A (2020) Create seven new genera and 13 new species of Ralstonia phages (*Caudovirales*)  
[https://ictv.global/ictv/proposals/2020.130B.R.Ralstonia\\_phages.zip](https://ictv.global/ictv/proposals/2020.130B.R.Ralstonia_phages.zip)  
clara.torresbarcelo@inrae.fr
196. Adriaenssens EM, Tolstoy I, Turner D, Holmfeldt K, Šulčius S, Kropinski AM (2020) Create one new genus (*Ravarandavirus*) including three new species (*Caudovirales: Siphoviridae*)  
<https://ictv.global/ictv/proposals/2020.131B.R.Ravarandavirus.zip>  
Phage.Canada@gmail.com
197. Kropinski AM, Turner D, Adriaenssens EM (2020) Create two new species and move the species *Rhodococcus virus RGL3* to the genus *Rerduovirus* (*Caudovirales: Siphoviridae*)  
<https://ictv.global/ictv/proposals/2020.132B.R.Rerduovirus.zip>  
Phage.Canada@gmail.com
198. Adriaenssens EM, Tolstoy I, Kropinski AM, Moraru C, Wittmann J (2020) Create one new subfamily (*Rhodovirinae*) including seven genera (*Caudovirales: Schitoviridae*) <https://ictv.global/ictv/proposals/2020.133B.R.Rhodovirinae.zip>  
jow12@dsmz.de
199. Wittmann J, Adriaenssens EM, Kropinski AM (2020) Create one new genus (*Riverridervirus*) including one new species (*Caudovirales: Schitoviridae*)  
<https://ictv.global/ictv/proposals/2020.134B.R.Riverridervirus.zip>  
Johannes.Wittmann@dsmz.de
200. Adriaenssens EM, Tolstoy I, Kropinski AM, Łobocka M (2020) Create one new genus (*Rockefellervirus*) including six species (*Caudovirales: Siphoviridae*)  
<https://ictv.global/ictv/proposals/2020.135B.R.Rockefellervirus.zip>  
lobocka@ibb.waw.pl
201. Kropinski AM, Tolstoy I, Adriaenssens EM, Barylski J (2020) Create one new genus (*Rockvillevirus*) including one new species (*Caudovirales: Siphoviridae*)  
<https://ictv.global/ictv/proposals/2020.136B.R.Rockvillevirus.zip>  
Jakub.Barylski@gmail.com
202. Adriaenssens EM, Tolstoy I, Turner D, Kropinski AM (2020) Create one new genus (*Ronodorvirus*) including two new species (*Caudovirales: Myoviridae*)  
<https://ictv.global/ictv/proposals/2020.137B.R.Ronodorvirus.zip>  
Phage.Canada@gmail.com

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203. Adriaenssens EM, Tolstoy I, Turner D, Kropinski AM (2020) Create four new species in the genus *Rosemountvirus* (*Caudovirales: Myoviridae*)  
<https://ictv.global/ictv/proposals/2020.138B.R.Rosemountvirus.zip>.  
Phage.Canada@gmail.com
204. Adriaenssens EM, Tolstoy I, Kropinski AM, Moraru C, Wittmann J (2020) Create one new subfamily (*Rothmandenesvirinae*) including four genera (*Caudovirales: Schitoviridae*)  
<https://ictv.global/ictv/proposals/2020.139B.R.Rothmandenesvirinae.zip>.  
jow12@dsMZ.de
205. Adriaenssens EM, Tolstoy I, Moraru C, Barylski J, Tong Y, Kropinski AM, Łobocka M (2020) Create one new family (*Rountreeviridae*) including two subfamilies and six genera of predominantly *Staphylococcus* and *Enterococcus* phages (*Caudovirales*)  
<https://ictv.global/ictv/proposals/2020.140B.R.Rountreeviridae.zip>.  
Phage.Canada@gmail.com
206. Krupovic M, Baquero DP, Prangishvili D (2020) Create six new genera and 14 new species (*Ligamenvirales: Rudiviridae*)  
<https://ictv.global/ictv/proposals/2020.141B.R.Rudiviridae.zip>.  
mart.krupovic@pasteur.fr
207. Kropinski AM, Tolstoy I, Turner D, Adriaenssens EM (2020) Create one new genus (*Saintgironsvirus*) including one new species (*Caudovirales: Myoviridae*)  
<https://ictv.global/ictv/proposals/2020.142B.R.Saintgironsvirus.zip>.  
Phage.Canada@gmail.com
208. Adriaenssens EM, Tolstoy I, Moraru C, Kropinski AM, Barylski J (2020) Create two new genera in the family *Podoviridae* and create one new family (*Salasmaviridae*) including one moved subfamily (*Picovirinae*), two new subfamilies (*Northropvirinae* and *Tatarstanvirinae*), and nine new genera (*Caudovirales*)  
<https://ictv.global/ictv/proposals/2020.143B.R.Salasmaviridae.zip>.  
Jakub.Barylski@gmail.com
209. Adriaenssens EM, Tolstoy I, Moraru C, Turner D, Lueder M, Moineau S, Kropinski AM (2020) Create one new genus (*Sandinevirus*) including new one species (*Caudovirales: Siphoviridae*)  
<https://ictv.global/ictv/proposals/2020.144B.R.Sandinevirus.zip>.  
Phage.Canada@gmail.com
210. Adriaenssens EM, Tolstoy I, Kropinski AM (2020) Create one new genus (*Sarumanvirus*) including two new species (*Caudovirales: Myoviridae*)  
<https://ictv.global/ictv/proposals/2020.145B.R.Sarumanvirus.zip>.  
Phage.Canada@gmail.com
211. Adriaenssens EM, Tolstoy I, Kropinski AM, Moraru C, Wittmann J (2020) Create one new family (*Schitoviridae*) including eight existing subfamilies and 40 existing genera (*Caudovirales: Schitoviridae*)  
<https://ictv.global/ictv/proposals/2020.146B.R.Schitoviridae.zip>. jow12@dsMZ.de
212. Kropinski AM, Adriaenssens EM (2020) Create one new genus (*Sendosyvirus*) including two species (*Caudovirales: Podoviridae*)  
<https://ictv.global/ictv/proposals/2020.147B.R.Sendosyvirus.zip>.  
Phage.Canada@gmail.com
213. Lehman SM, Petit MA, Lossouarn J, Tong Y, Tolstoy I, Adriaenssens E (2020) Create ten new species in the subfamily *Sepvirinae* (*Caudovirales: Podoviridae*)  
<https://ictv.global/ictv/proposals/2020.148B.R.Sepvirinae.zip>.  
susan.lehman@fda.hhs.gov



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214. Kropinski AM, Turner D, Adriaenssens EM (2020) Create one new genus (*Shandongvirus*) including one new species (*Caudovirales: Myoviridae*) <https://ictv.global/ictv/proposals/2020.149B.R.Shandongvirus.zip>. Phage.Canada@gmail.com
215. Adriaenssens EM, Tolstoy I, Kropinski AM (2020) Create one new genus (*Shirahamavirus*) including one new species (*Caudovirales: Myoviridae*) <https://ictv.global/ictv/proposals/2020.150B.R.Shirahamavirus.zip>. Phage.Canada@gmail.com
216. Liu Y, Du S, Chen X, Krupovic M (2020) Create one new family (*Simuloviridae*) including one genus (*Yingchengvirus* - formerly *Betasphaerolipovirus*) moved from the family *Sphaerolipoviridae* (*Halopanivirales*) <https://ictv.global/ictv/proposals/2020.151B.R.Simuloviridae.zip>. mart.krupovic@pasteur.fr
217. Kropinski AM, Tolstoy I, Adriaenssens EM, Barylski J, Pilgrimova EG, Kazantseva OA, Nikulin NA, Shadrin AM (2020) Create one new subfamily (*Skryabinvirinae*) including two new genera, each with one new species (*Caudovirales: Siphoviridae*) <https://ictv.global/ictv/proposals/2020.152B.R.Skryabinvirinae.zip>. Jakub.Barylski@gmail.com
218. Adriaenssens EM, Tolstoy I, Moraru C, Turner D, Lueder M, Moineau S, Kropinski AM (2020) Create 80 new species in the genus *Skunavirus* (*Caudovirales: Siphoviridae*) <https://ictv.global/ictv/proposals/2020.153B.R.Skunavirus.zip>. Phage.Canada@gmail.com
219. Adriaenssens EM, Tolstoy I, Turner D, Kropinski AM (2020) Create one new genus (*Sleepyheadvirus*) including one new species (*Caudovirales: Siphoviridae*) <https://ictv.global/ictv/proposals/2020.154B.R.Sleepyheadvirus.zip>. Phage.Canada@gmail.com
220. Kropinski AM, Tolstoy I, Turner D, Adriaenssens EM (2020) Create one new genus (*Sozzivirus*) including three new species (*Caudovirales: Siphoviridae*) <https://ictv.global/ictv/proposals/2020.155B.R.Sozzivirus.zip>. Phage.Canada@gmail.com
221. Adriaenssens EM, Tolstoy I, Turner D, Kropinski AM (2020) Create one new genus (*Sparkyvirus*) including one new species (*Caudovirales: Siphoviridae*) <https://ictv.global/ictv/proposals/2020.156B.R.Sparkyvirus.zip>. Phage.Canada@gmail.com
222. Kropinski AM, Tolstoy I, Adriaenssens EM, Barylski J (2020) Create one new genus (*Spizizenvirus*) including one new species (*Caudovirales: Siphoviridae*) <https://ictv.global/ictv/proposals/2020.157B.R.Spizizenvirus.zip>. Jakub.Barylski@gmail.com
223. Adriaenssens EM, Tolstoy I, Turner D, Kropinski AM (2020) Create one new genus (*Squirtyvirus*) including one new species (*Caudovirales: Siphoviridae*) <https://ictv.global/ictv/proposals/2020.158B.R.Squirtyvirus.zip>. Phage.Canada@gmail.com
224. Adriaenssens EM, Tolstoy I, Turner D, Kropinski AM (2020) Create four new species in the genus *Samwavavirus* (*Caudovirales: Siphoviridae*) [https://ictv.global/ictv/proposals/2020.159B.R.Samwavavirus\\_new\\_species.zip](https://ictv.global/ictv/proposals/2020.159B.R.Samwavavirus_new_species.zip). Phage.Canada@gmail.com
225. Kropinski AM, Adriaenssens EM, Barylski J (2020) Create one new genus (*Takahashivirus*) including one existing species (*Bacillus virus PBS1*) (*Caudovirales:*

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- Myoviridae*) <https://ictv.global/ictv/proposals/2020.160B.R.Takahashivirus.zip>.  
Jakub.Barylski@gmail.com
226. Adriaenssens EM, Tolstoy I, Kropinski AM Barylski J (2020) Create one new genus (*Tandoganvirus*) including one new species (*Caudovirales: Siphoviridae*) <https://ictv.global/ictv/proposals/2020.161B.R.Tandoganvirus.zip>.  
Jakub.Barylski@gmail.com
227. Adriaenssens EM, Tolstoy I, Moraru C, Kropinski AM (2020) Create 53 new species, rename one species and move one species in the genus *Tequatrovirus* (*Caudovirales: Myoviridae*) <https://ictv.global/ictv/proposals/2020.162B.R.Tequatrovirus.zip>.  
Phage.Canada@gmail.com
228. Adriaenssens EM, Tolstoy I, Moraru C, Turner D, Lueder M, Neve H, Mahony J, Moineau S, Kropinski AM (2020) Create one new genus (*Teubervirus*) including five new species (*Caudovirales: Siphoviridae*) <https://ictv.global/ictv/proposals/2020.163B.R.Teubervirus.zip>.  
Phage.Canada@gmail.com
229. Adriaenssens EM, Tolstoy I, Turner D, Kropinski AM (2020) Create one new genus (*Thetabobvirus*) including three new species (*Caudovirales: Siphoviridae*) <https://ictv.global/ictv/proposals/2020.164B.R.Thetabobvirus.zip>.  
Phage.Canada@gmail.com
230. Adriaenssens EM, Tolstoy I, Moraru C, Kropinski AM (2020) Create one new subfamily (*Trabyvirinae*) including two new genera (*Caudovirales: Siphoviridae*) <https://ictv.global/ictv/proposals/2020.165B.R.Trabyvirinae.zip>.  
Phage.Canada@gmail.com
231. Adriaenssens EM, Tolstoy I, Kropinski AM, Łobocka M (2020) Create 17 new species in the genus *Triavirus* (*Caudovirales: Siphoviridae*) <https://ictv.global/ictv/proposals/2020.166B.R.Triavirus.zip>. [lobocka@ibb.waw.pl](mailto:lobocka@ibb.waw.pl)
232. Adriaenssens EM, Tolstoy I, Moraru C, Kropinski AM (2020) Create one new genus (*Triplejayvirus*) including one new species (*Caudovirales: Siphoviridae*) <https://ictv.global/ictv/proposals/2020.167B.R.Triplejayvirus.zip>.  
Phage.Canada@gmail.com
233. Krupovic M, Baquero DP, Prangishvili D (2020) Create one new genus (*Betatristromavirus*) including one existing species (*Thermoproteus tenax virus 1*) and create one new species in the genus *Alphatristromavirus* (*Tristromaviridae*) <https://ictv.global/ictv/proposals/2020.168B.R.Tristromaviridae.zip>.  
[mart.krupovic@pasteur.fr](mailto:mart.krupovic@pasteur.fr)
234. Adriaenssens EM, Tolstoy I, Moraru C, Kropinski AM (2020) Create four new species and abolish one species in the genus *Tunavirus* (*Caudovirales: Drexlerviridae*) <https://ictv.global/ictv/proposals/2020.169B.R.Tunavirus.zip>.  
Phage.Canada@gmail.com
235. Adriaenssens EM, Tolstoy I, Kropinski AM Oliveira H, Turner D, Moraru C (2020) Create one new subfamily (*Twarogvirinae*) including five new genera (*Caudovirales: Podoviridae*) <https://ictv.global/ictv/proposals/2020.170B.R.Twarogvirinae.zip>.  
Phage.Canada@gmail.com
236. Adriaenssens EM, Tolstoy I, Turner D, Lueder M, Nakai T, Kropinski AM (2020) Create one new genus (*Uwajimavirus*) including one new species (*Caudovirales: Siphoviridae*) <https://ictv.global/ictv/proposals/2020.171B.R.Uwajimavirus.zip>.  
Phage.Canada@gmail.com

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237. Adriaenssens EM, Tolstoy I, Turner D, Lueder M, Moineau S, Mahony J, Kropinski AM (2020) Create one new genus (*Vedamuthuvirus*) including five new species (*Caudovirales: Siphoviridae*)  
<https://ictv.global/ictv/proposals/2020.172B.R.Vedamuthuvirus.zip>.  
Phage.Canada@gmail.com
238. Adriaenssens EM, Tolstoy I, Moraru C, Kropinski AM (2020) Create one new genus (*Veterinaerplatzvirus*) including one new species (*Caudovirales: Drexlerviridae*)  
<https://ictv.global/ictv/proposals/2020.173B.R.Veterinaerplatzvirus.zip>.  
Phage.Canada@gmail.com
239. Adriaenssens EM, Tolstoy I, Moraru C, Kropinski AM (2020) Create one new genus (*Vibakivirus*) including one new species (*Caudovirales: Myoviridae*)  
<https://ictv.global/ictv/proposals/2020.174B.R.Vibakivirus.zip>.  
Phage.Canada@gmail.com
240. Wittmann J, Adriaenssens EM, Kropinski AM (2020) Create one new genus (*Waedenswilvirus*) including one new species (*Caudovirales: Schitoviridae*)  
<https://ictv.global/ictv/proposals/2020.175B.R.Waedenswilvirus.zip>.  
Johannes.Wittmann@dsmz.de
241. Adriaenssens EM, Tolstoy I, Kropinski AM, Turner D, Łobocka M (2020) Create one new genus (*Warsawvirus*) including one new species (*Caudovirales: Autographiviridae*) <https://ictv.global/ictv/proposals/2020.176B.R.Warsawvirus.zip>.  
lobocka@ibb.waw.pl
242. Adriaenssens EM, Tolstoy I, Moraru C, Kropinski AM (2020) Create eight new species and abolish one species in the genus *Warwickvirus* (*Caudovirales: Drexlerviridae*) <https://ictv.global/ictv/proposals/2020.177B.R.Warwickvirus.zip>.  
Phage.Canada@gmail.com
243. Kropinski AM, Tolstoy I, Adriaenssens EM, Barylski J (2020) Create one new genus (*Waukeshavirus*) including two new species (*Caudovirales: Siphoviridae*)  
<https://ictv.global/ictv/proposals/2020.178B.R.Waukeshavirus.zip>.  
Jakub.Barylski@gmail.com
244. Adriaenssens EM, Tolstoy I, Moraru C, Kropinski AM (2020) Create 16 new species and abolish two species in the genus *Webervirus* (*Caudovirales: Drexlerviridae*) <https://ictv.global/ictv/proposals/2020.179B.R.Webervirus.zip>.  
Phage.Canada@gmail.com
245. Adriaenssens EM, Tolstoy I, Turner D, Kropinski AM (2020) Create one new genus (*Whackvirus*) including one new species (*Caudovirales: Siphoviridae*)  
<https://ictv.global/ictv/proposals/2020.180B.R.Whackvirus.zip>.  
Phage.Canada@gmail.com
246. Adriaenssens EM, Tolstoy I, Mahony J, Neve H, Moineau S, Kropinski AM (2020) Create one new genus (*Whiteheadvirus*) including one new species (*Caudovirales: Siphoviridae*)  
<https://ictv.global/ictv/proposals/2020.181B.R.Whiteheadvirus.zip>.  
Phage.Canada@gmail.com
247. Kropinski AM, Tolstoy I, Adriaenssens EM, Turner D (2020) Create one new genus (*Wumpquatrovirus*) including one new species (*Caudovirales: Podoviridae*)  
<https://ictv.global/ictv/proposals/2020.182B.R.Wumpquatrovirus.zip>.  
Dann2.Turner@uwe.ac.uk
248. Kropinski AM, Tolstoy I, Adriaenssens EM, Turner D (2020) Create one new genus (*Wumptrevirus*) including two species (*Caudovirales: Podoviridae*)

- 1 <https://ictv.global/ictv/proposals/2020.183B.R.Wumptrevirus.zip>  
2 Dann2.Turner@uwe.ac.uk
- 3 249. Adriaenssens EM, Tolstoy I, Kropinski AM, Moraru C (2020) Create one new  
4 genus (*Yonseivirus*) including three new species (*Caudovirales: Siphoviridae*)  
5 <https://ictv.global/ictv/proposals/2020.184B.R.Yonseivirus.zip>  
6 Phage.Canada@gmail.com
- 7 250. Wittmann J, Adriaenssens EM, Kropinski AM (2020) Create one new genus  
8 (*Zicotriavirus*) including two new species (*Caudovirales: Schitoviridae*)  
9 <https://ictv.global/ictv/proposals/2020.185B.R.Zicotriavirus.zip>  
10 Johannes.Wittmann@dsmz.de
- 11 251. Krupovic M, Kuhn JH, Wang F, Baquero DP, Egelman EH, Koonin EV,  
12 Prangishvili D (2020) Create one new realm (*Adnaviria*) for classification of  
13 filamentous archaeal viruses with linear dsDNA genomes  
14 <https://ictv.global/ictv/proposals/2020.186B.R.Adnaviria.zip>  
15 mart.krupovic@pasteur.fr
- 16 252. Bischoff V, Adriaenssens EM, Kropinski AM, Duhaime M, Moraru C (2020)  
17 Create one new family (*Zobellviridae*) including one new subfamily (*Cobavirinae*),  
18 seven new genera and 12 new species (*Caudovirales*)  
19 <https://ictv.global/ictv/proposals/2020.187B.R.Zobellviridae.zip>  
20 liliana.cristina.moraru@uni-oldenburg.de
- 21 253. Adriaenssens EM, Tolstoy I, Kropinski AM, Moraru C, Wittmann J (2020)  
22 Create one new genus (*Zurivirus*) including one new species (*Caudovirales:*  
23 *Schitoviridae*) <https://ictv.global/ictv/proposals/2020.188B.R.Zurivirus.zip>  
24 jow12@dsmz.de
- 25 254. Adriaenssens EM (2021) Delete the Excel modules of proposals 2020.121B  
26 and 2020.126B and replace them with the 2020.146B Excel module (*Caudovirales:*  
27 *Schitoviridae*)  
28 [https://ictv.global/ictv/proposals/2020.189B.R.Expedited\\_correction.docx](https://ictv.global/ictv/proposals/2020.189B.R.Expedited_correction.docx)  
29 Evelien.adriaenssens@quadram.ac.uk
- 30 255. Adriaenssens EM (2021) Correct typographical errors in proposal 2020.005B  
31 Excel module (*Caudovirales: Ackermannviridae*)  
32 [https://ictv.global/ictv/proposals/2020.190B.R.Corrections\\_Ackermannviridae.zip](https://ictv.global/ictv/proposals/2020.190B.R.Corrections_Ackermannviridae.zip)  
33 Evelien.adriaenssens@quadram.ac.uk
- 34 256. Ayllón MA, Turina M, Xie J, Jiang D, Marzano S-Y, Nerva L, Donaire L  
35 (2020) Create two new genera (*Rhizoulivirus* and *Penoulivirus*) and 25 new species  
36 (*Ourlivirales: Botourmiaviridae*)  
37 <https://ictv.global/ictv/proposals/2020.001F.R.Botourmiaviridae.zip>  
38 mariaangeles.ayllon@upm.es
- 39 257. Vainio EJ, Chiba S, Nibert ML, Roossinck MJ, Sabanadzovic S, Suzuki N,  
40 Xie J (2020) Create one new family *Curvulaviridae*, one new genus  
41 *Orthocurvulavirus* and eight new species  
42 <https://ictv.global/ictv/proposals/2020.002F.R.Curvulaviridae.zip>  
43 eeva.vainio@luke.fi
- 44 258. Kotta-Loizou I, Castón JR, Coutts RHA, Hillman BI, Jiang D, Kim D-H,  
45 Moriyama H, Suzuki N (2020) Create six new species in the genus *Alphachrysovirus*  
46 (*Ghabrivirales: Chrysoviridae*)  
47 <https://ictv.global/ictv/proposals/2020.003F.R.Chrysoviridae.zip>. i.kotta-  
48 loizou13@imperial.ac.uk
- 49 259. Jiang D, Ayllón MA, Marzano S-Y (2020) Create seven new genera  
50 (*Mononegavirales: Mymonaviridae*)

- 1 <https://ictv.global/ictv/proposals/2020.004F.R.Mymona.zip>  
2 daohongjiang@mail.hzau.edu.cn
- 3 260. Varsani A, Krupovic M (2020) Create one new genus, rename 73 species and  
4 create 164 new species (*Geplafuvirales: Genomoviridae*)  
5 <https://ictv.global/ictv/proposals/2020.005F.R.Genomoviridae.zip>  
6 Arvind.varsani@asu.edu
- 7 261. Gronenborn B, Varsani A, Randles JW, Vetten HJ, Thomas JE (2020) Create a  
8 new subfamily (*Petromoalphasatellitinae*) including four new genera and seven new  
9 species (*Alphasatellitidae*)  
10 [https://ictv.global/ictv/proposals/2020.001P.R.Petromoalphasatellitinae\\_nsf.zip](https://ictv.global/ictv/proposals/2020.001P.R.Petromoalphasatellitinae_nsf.zip)  
11 bgronenborn@gmail.com
- 12 262. Varsani A, Martin DP, Lett J-M, Roumagnac P (2020) Create nine new  
13 species and three new genera (*Alphasatellitidae*)  
14 [https://ictv.global/ictv/proposals/2020.002P.R.Alphasatellitidae\\_3ng\\_9nsp.zip](https://ictv.global/ictv/proposals/2020.002P.R.Alphasatellitidae_3ng_9nsp.zip)  
15 Arvind.Varsani@asu.edu
- 16 263. Teycheney P-Y, Umer M, Geering ADW (2020) Create eight new species in  
17 the genus *Badnavirus*, one new species in the genus *Cavemovirus*, and one new genus  
18 (*Ortervirales: Caulimoviridae*)  
19 [https://ictv.global/ictv/proposals/2020.003P.R.Caulimoviridae\\_1ng\\_9nsp.zip](https://ictv.global/ictv/proposals/2020.003P.R.Caulimoviridae_1ng_9nsp.zip)  
20 teycheney@cirad.fr
- 21 264. Fuchs M, Bar-Joseph M, Candresse T, Maree HJ, Melzer MJ, Menzel W,  
22 Minafra A, Sabanadzovic S (2020) Create three new species in the genera  
23 *Closterovirus*, *Ampleovirus* and *Velarivirus* (*Martellivirales: Closteroviridae*)  
24 [https://ictv.global/ictv/proposals/2020.004P.R.Closteroviridae\\_3nsp.zip](https://ictv.global/ictv/proposals/2020.004P.R.Closteroviridae_3nsp.zip)  
25 mf13@cornell.edu
- 26 265. Lett J-M, Martin DP, Roumagnac P, Varsani A (2020) Create four new species  
27 in the genus *Mastrevirus* (*Geminiviridae*)  
28 [https://ictv.global/ictv/proposals/2020.005P.R.Mastrevirus\\_4nsp.zip](https://ictv.global/ictv/proposals/2020.005P.R.Mastrevirus_4nsp.zip). jean-  
29 michel.lett@cirad.fr
- 30 266. Fiallo-Olivé E, Navas-Castillo J (2020) Create 22 species and abolish one  
31 species in the genus *Begomovirus* (*Geminiviridae*)  
32 [https://ictv.global/ictv/proposals/2020.006P.R.Begomovirus\\_22nsp.zip](https://ictv.global/ictv/proposals/2020.006P.R.Begomovirus_22nsp.zip)  
33 efiallo@eelm.csic.es
- 34 267. Fiallo-Olivé E, Navas-Castillo J (2020) Create one species in the genus  
35 *Deltasatellite* (*Tolecusatellitidae*)  
36 [https://ictv.global/ictv/proposals/2020.007P.R.Deltasatellite\\_1nsp.zip](https://ictv.global/ictv/proposals/2020.007P.R.Deltasatellite_1nsp.zip)  
37 efiallo@eelm.csic.es
- 38 268. Roumagnac P, Varsani A, Martin DP, Lett J-M (2020) Create five new genera  
39 and 11 new species (*Geplafuvirales: Geminiviridae*)  
40 [https://ictv.global/ictv/proposals/2020.008P.R.Geminiviridae\\_5ng\\_11nsp.zip](https://ictv.global/ictv/proposals/2020.008P.R.Geminiviridae_5ng_11nsp.zip)  
41 philippe.roumagnac@cirad.fr
- 42 269. Fiallo-Olivé E, Navas-Castillo J (2020) Create 61 species and abolish three  
43 species in the genus *Betasatellite* (*Tolecusatellitidae*)  
44 [https://ictv.global/ictv/proposals/2020.009P.R.Betasatellite\\_61nsp.zip](https://ictv.global/ictv/proposals/2020.009P.R.Betasatellite_61nsp.zip)  
45 efiallo@eelm.csic.es
- 46 270. Melzer M, Freitas-Astua J, Gang W, Rodrigues JCV, Roy A (2020) Create one  
47 new species in the genus *Blunervirus* (*Martellivirales: Kitaviridae*)  
48 [https://ictv.global/ictv/proposals/2020.010P.R.Kitaviridae\\_1nsp.zip](https://ictv.global/ictv/proposals/2020.010P.R.Kitaviridae_1nsp.zip)  
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271. Ramos-González PL, Chabi-Jesus C, Freitas-Astúa J (2020) Create one new species in the genus *Cilevirus* (*Martellivirales: Kitaviridae*)  
[https://ictv.global/ictv/proposals/2020.011P.R.Kitaviridae\\_1nsp.zip](https://ictv.global/ictv/proposals/2020.011P.R.Kitaviridae_1nsp.zip).  
juliana.astua@embrapa.br
272. Wang Y, Zhai L, Wen S, Yang Z, Wang G, Hong N (2020) Create one new species (*Actinidia virus 2*) in the genus *Emaravirus* (*Bunyavirales: Fimoviridae*)  
[https://ictv.global/ictv/proposals/2020.012P.R.Emaravirus\\_AcV-2.zip](https://ictv.global/ictv/proposals/2020.012P.R.Emaravirus_AcV-2.zip).  
whni@mail.hzau.edu.cn
273. von Barga S, Al Kubrusli R, Gaskin T, Förl S, Hüttner F, Blystad D, Karlin DG, Jalkanen R, Büttner C (2020) Create one new species (*Aspen mosaic-associated virus*) in the genus *Emaravirus* (*Bunyavirales: Fimoviridae*)  
[https://ictv.global/ictv/proposals/2020.013P.R.Emaravirus\\_AsMaV.zip](https://ictv.global/ictv/proposals/2020.013P.R.Emaravirus_AsMaV.zip).  
susanne.von.barga@agrar.hu-berlin.de
274. Wang YQ, Yu S, Cao MJ, Cheng Q, Wu JX, Hu T (2020) Create one new species (*Lilac chlorotic ringspot-associated virus*) in the genus *Emaravirus* (*Bunyavirales: Fimoviridae*)  
[https://ictv.global/ictv/proposals/2020.014P.R.Emaravirus\\_LiCRaV.zip](https://ictv.global/ictv/proposals/2020.014P.R.Emaravirus_LiCRaV.zip).  
taohu1989@zju.edu.cn
275. Ilyas M, Avelar S, Schuch K, Brown JK (2020) Create one new species (*Palo verde broom virus*) in the genus *Emaravirus* (*Bunyavirales: Fimoviridae*)  
[https://ictv.global/ictv/proposals/2020.015P.R.Emaravirus\\_PVBV.zip](https://ictv.global/ictv/proposals/2020.015P.R.Emaravirus_PVBV.zip).  
jbrown@ag.arizona.edu
276. Liu H, Wang G, Yang Z, Wang Y, Zhang Z, Li L, Waqas M, Zhang J, Xu L, Qi L, Hong J, Hong N (2020) Create one new species (*Pear chlorotic leaf spot-associated virus*) in the genus *Emaravirus* (*Bunyavirales: Fimoviridae*)  
[https://ictv.global/ictv/proposals/2020.016P.R.Emaravirus\\_PCLSaV.zip](https://ictv.global/ictv/proposals/2020.016P.R.Emaravirus_PCLSaV.zip).  
whni@mail.hzau.edu.cn
277. Olmedo-Velarde A, Park AC, Sugano J, Uchida JY, Kawate M, Borth WB, Hu JS, Melzer MJ (2020) Create one new species (*Ti ringspot-associated virus*) in the genus *Emaravirus* (*Bunyavirales: Fimoviridae*)  
[https://ictv.global/ictv/proposals/2020.017P.R.Emaravirus\\_TiRSaV.zip](https://ictv.global/ictv/proposals/2020.017P.R.Emaravirus_TiRSaV.zip).  
melzer@hawaii.edu
278. Peracchio C, Forgia M, Chiapello M, Vallino M, Turina M, Ciuffo M (2020) Create one new species (*Camellia japonica-associated virus 1*) in the genus *Emaravirus* (*Bunyavirales: Fimoviridae*)  
[https://ictv.global/ictv/proposals/2020.018P.R.Emaravirus\\_CjaV-1.zip](https://ictv.global/ictv/proposals/2020.018P.R.Emaravirus_CjaV-1.zip).  
carlota.peracchio@ipsp.cnr.it
279. Peracchio C, Forgia M, Chiapello M, Vallino M, Turina M, Ciuffo M (2020) Create one new species (*Camellia japonica-associated virus 2*) in the genus *Emaravirus* (*Bunyavirales: Fimoviridae*)  
[https://ictv.global/ictv/proposals/2020.019P.R.Emaravirus\\_CjaV-2.zip](https://ictv.global/ictv/proposals/2020.019P.R.Emaravirus_CjaV-2.zip).  
carlota.peracchio@ipsp.cnr.it
280. Yang C, Zhang S, Han T, Fu J, Di Serio F, Cao M (2020) Create one new species (*Jujube yellow mottle-associated virus*) in the genus *Emaravirus* (*Bunyavirales: Fimoviridae*)  
[https://ictv.global/ictv/proposals/2020.020P.R.Emaravirus\\_JYMaV.zip](https://ictv.global/ictv/proposals/2020.020P.R.Emaravirus_JYMaV.zip).  
caomengji@cric.cn
281. Kubota K, Usugi T, Tomitaka Y, Shimomoto Y, Shigeharu T, Kadono F, Yanagisawa H, Chiaki Y, Tsuda S (2020) Create one new species (*Perilla mosaic virus*) in the genus *Emaravirus* (*Bunyavirales: Fimoviridae*)

1 [https://ictv.global/ictv/proposals/2020.021P.R.Emaravirus\\_PerMV.zip](https://ictv.global/ictv/proposals/2020.021P.R.Emaravirus_PerMV.zip)  
2 kubotak@affrc.go.jp

- 3 282. Gronenborn B, Randles JW, Vetten HJ, Thomas JE (2020) Create one new  
4 family (*Metaxyviridae*) with one new genus (*Cofodevirus*) and one species (*Coconut*  
5 *foliar decay virus*) moved from the family *Nanoviridae* (*Mulpavirales*)  
6 [https://ictv.global/ictv/proposals/2020.022P.R.Metaxyviridae\\_nf.zip](https://ictv.global/ictv/proposals/2020.022P.R.Metaxyviridae_nf.zip)  
7 bgronenborn@gmail.com
- 8 283. Thomas JE, Gronenborn B, Vetten H-J, Heydarnejad J, Varsani A,  
9 Roumagnac P (2020) Create four new species in the genus *Nanovirus* (*Mulpavirales*:  
10 *Nanoviridae*) [https://ictv.global/ictv/proposals/2020.023P.R.Nanoviridae\\_4nsp.zip](https://ictv.global/ictv/proposals/2020.023P.R.Nanoviridae_4nsp.zip)  
11 j.thomas2@uq.edu.au
- 12 284. Wylie SJ, Inoue-Nagata AK, Jordan R, Kreuze JF, Li F, Lopez-Moya JJ,  
13 Makinen K, Ohshima K (2020) Create seven new species in the genus *Potyvirus*  
14 (*Patatavirales*: *Potyviridae*)  
15 [https://ictv.global/ictv/proposals/2020.024P.R.Potyviridae\\_7nsp.zip](https://ictv.global/ictv/proposals/2020.024P.R.Potyviridae_7nsp.zip)  
16 s.wylie@murdoch.edu.au
- 17 285. Sõmera M, Hébrard E (2020) Create one new species in the genus  
18 *Sobemovirus* (*Sobelivirales*: *Solemoviridae*)  
19 [https://ictv.global/ictv/proposals/2020.025P.R.Solemoviridae\\_1nsp.zip](https://ictv.global/ictv/proposals/2020.025P.R.Solemoviridae_1nsp.zip)  
20 merike.somera@taltech.ee
- 21 286. Scheets K, Miller WA, Sõmera, M (2020) Abolish the family *Luteoviridae*  
22 (*Tolivirales*) and move its genera to the families *Tombusviridae* (*Tolivirales*) and  
23 *Solemoviridae* (*Sobelivirales*)  
24 [https://ictv.global/ictv/proposals/2020.026P.R.Abolish\\_Luteoviridae.zip](https://ictv.global/ictv/proposals/2020.026P.R.Abolish_Luteoviridae.zip)  
25 kay.scheets@okstate.edu
- 26 287. Qiu YJ, Zhang S, Zerbini FM, Cao MJ (2020) Create one new species (*Paper*  
27 *mulberry leaf curl virus 1*) in the genus *Mulcrilevirus* and one new species (*Paper*  
28 *mulberry leaf curl virus 2*) in the genus *Citlodavirus* (*Geplafuvirales*: *Geminiviridae*)  
29 [https://ictv.global/ictv/proposals/2020.027P.R.Geminiviridae\\_2nsp.zip](https://ictv.global/ictv/proposals/2020.027P.R.Geminiviridae_2nsp.zip)  
30 caomengji@cric.cn
- 31 288. Nemchinov LG (2020) Create one new species in the genus *Marafivirus*  
32 (*Tymovirales*: *Tymoviridae*)  
33 [https://ictv.global/ictv/proposals/2020.028P.R.Tymoviridae\\_1nsp.zip](https://ictv.global/ictv/proposals/2020.028P.R.Tymoviridae_1nsp.zip)  
34 lev.nemchinov@usda.gov
- 35 289. Kreuze J, Candresse T, Hammond J, Menzel W, Ryu KH, Vaira AM, Zavriev  
36 S (2020) Create eight new species in the genus *Potexvirus* and one new species in the  
37 genus *Allexivirus* (*Tymovirales*: *Alphaflexiviridae*)  
38 [https://ictv.global/ictv/proposals/2020.029P.R.Alphaflexiviridae\\_9nsp.zip](https://ictv.global/ictv/proposals/2020.029P.R.Alphaflexiviridae_9nsp.zip)  
39 j.kreuze@cgiar.org
- 40 290. Hammond J, Adams I, Fox A, Blouin AG (2020) Abolish one species in the  
41 genus *Potexvirus* (*Tymovirales*: *Alphaflexiviridae*)  
42 [https://ictv.global/ictv/proposals/2020.030P.R.Alphaflexiviridae\\_ab1sp.zip](https://ictv.global/ictv/proposals/2020.030P.R.Alphaflexiviridae_ab1sp.zip)  
43 john.hammond@usda.gov
- 44 291. Kreuze J, Candresse T, Hammond J, Menzel W, Ryu KH, Vaira AM, Zavriev  
45 S (2020) Abolish the genus *Mandarivirus*, create one new subgenus (*Mandarivirus*) in  
46 the genus *Potexvirus* and one new subgenus (*Acarillexivirus*) in the genus *Allexivirus*  
47 (*Tymovirales*: *Alphaflexiviridae*)  
48 [https://ictv.global/ictv/proposals/2020.031P.R.Alphaflexiviridae\\_ab1gen\\_2nsg.zip](https://ictv.global/ictv/proposals/2020.031P.R.Alphaflexiviridae_ab1gen_2nsg.zip)  
49 j.kreuze@cgiar.org

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Table 1. Summary of taxonomic changes approved in March, 2021

Rank	Total, MSL-35 <sup>a</sup>	New	Moved	Abolished	Rename d	Merged	Total, MSL-36 <sup>b</sup>
<b>Realm</b>	4	2	0	0	0	0	6
<b>Kingdom</b>	9	1	0	0	0	0	10
<b>Phylum</b>	16	1	0	0	0	0	17
<b>Class</b>	36	3	0	0	1	0	39
<b>Order</b>	55	4	1	0	1	0	59
<b>Family</b>	168	22	5	1	1	0	189
<b>Subfamily</b>	103	33 <sup>c</sup>	2	0	0	0	136
<b>Genus</b>	1,421	807	69	3 <sup>c,d</sup>	10	1	2,224
<b>Subgenus</b>	68	2 <sup>d</sup>	0	0	2	0	70
<b>Species</b>	6,590	2,562	126	30	215	12	9,110

<sup>a</sup>Total number of taxa in the ICTV Master Species List prior to 2021 ratification

<sup>b</sup>Total number of taxa now recognized and reported in the ICTV Master Species List

<sup>c</sup>One new subfamily promoted from genus

<sup>d</sup>One new subgenus demoted from genus