



HAL
open science

Changes to taxonomy and the International Code of Virus Classification and Nomenclature ratified by the International Committee on Taxonomy of Viruses (2018)

Andrew M. Q. King, Elliot J. Lefkowitz, Arcady R. Mushegian, Michael J. Adams, Bas E. Dutilh, Alexander E. Gorbalenya, Balázs Harrach, Robert L. Harrison, Sandra Junglen, Nick J. Knowles, et al.

► **To cite this version:**

Andrew M. Q. King, Elliot J. Lefkowitz, Arcady R. Mushegian, Michael J. Adams, Bas E. Dutilh, et al.. Changes to taxonomy and the International Code of Virus Classification and Nomenclature ratified by the International Committee on Taxonomy of Viruses (2018). Archives of Virology, 2018, 163 (9), pp.2601-2631. 10.1007/s00705-018-3847-1 . pasteur-01977332

HAL Id: pasteur-01977332

<https://pasteur.hal.science/pasteur-01977332>

Submitted on 10 Jan 2019

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.



Changes to taxonomy and the International Code of Virus Classification and Nomenclature ratified by the International Committee on Taxonomy of Viruses (2018)

Andrew M. Q. King¹ · Elliot J. Lefkowitz² · Arcady R. Mushegian³ · Michael J. Adams⁴ · Bas E. Dutilh^{5,6} · Alexander E. Gorbalenya^{7,8} · Balázs Harrach⁹ · Robert L. Harrison¹⁰ · Sandra Junglen^{11,12} · Nick J. Knowles¹ · Andrew M. Kropinski¹³ · Mart Krupovic¹⁴ · Jens H. Kuhn¹⁵ · Max L. Nibert¹⁶ · Luisa Rubino¹⁷ · Sead Sabanadzovic¹⁸ · H el ene Sanfa on¹⁹ · Stuart G. Siddell²⁰ · Peter Simmonds²¹ · Arvind Varsani²² · Francisco Murilo Zerbin ²³ · Andrew J. Davison²⁴

Received: 11 April 2018 / Accepted: 14 April 2018 / Published online: 12 May 2018

  This is a U.S. government work and its text is not subject to copyright protection in the United States; however, its text may be subject to foreign copyright protection 2018

Abstract

This article lists the changes to virus taxonomy approved and ratified by the International Committee on Taxonomy of Viruses in February 2018. A total of 451 species, 69 genera, 11 subfamilies, 9 families and one new order were added to the taxonomy. The current totals at each taxonomic level now stand at 9 orders, 131 families, 46 subfamilies, 803 genera and 4853 species. A change was made to the International Code of Virus Classification and Nomenclature to allow the use of the names of people in taxon names under appropriate circumstances. An updated Master Species List incorporating the approved changes was released in March 2018 (<https://talk.ictvonline.org/taxonomy/>).

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 ICTV Statutes (<http://www.ictv.global/statutes.asp>) and ICTV Executive Committee (EC) procedures, proposals undergo a review process involving input from the ICTV Study Groups (SGs) and Subcommittees (SCs), other interested virologists, and the EC. Proposals may thus be considered on more than one occasion before they are submitted for ratification by the ICTV membership. Proposals are presented for ratification by publication on the ICTV website (<http://www.ictv.global>) followed by an electronic vote. The latest set of proposals approved by the EC was made available on the ICTV website in January 2017 (see <http://ictv.global/proposals-2017> 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 January 24, 2018 to the 160 members of ICTV, namely the EC Members, Life Members, ICTV Subcommittee 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 February 25, 2018).

Since the processing of this year's proposals overlapped the end of the 2014–2017 EC tenure and the start of the 2017–2020 EC tenure, members of the both ECs constitute the authorship of this article.

Changes to virus taxonomy: taxa and nomenclature

Large number of changes were ratified by ICTV members (Table 1). Increase in the number of all taxa compared to the 2017 taxonomy was within the range of 9–11%, except for the number of subfamilies, which grew by 31%.

A summary of the individual proposals is provided in Table 2. Names of newly created taxa are in ***bold italic*** type. Names of existing taxa that have been moved or renamed are

Handling Editor: Tim Skern.

✉ Arcady R. Mushegian
mushegian2@gmail.com

Extended author information available on the last page of the article

Table 1 Summary of taxonomic changes approved in February 2018

Change	Orders	Families	Subfamilies	Genera	Species
New	1	9	11	69	451
Moved	0	4	2	75	341
Moved/renamed	0	0	0	1	18
Abolished	0	0	0	1 ^a	2
Totals ^b	9	131	46	803	4853

^aExisting genus (*Tectivirus*) split into two new genera, resulting in a net gain of one genus

^bTotal numbers of taxa now recognized and shown in the ICTV Master Species List

shown in *plain italic* type. Each proposal is cited and listed in the References, to acknowledge the authors' efforts and to provide a link to each specific proposal on the ICTV website. These documents remain available for any who wish to see the full details of the proposals.

Changes to the International Code of Virus Classification and Nomenclature

ICTV has adopted one change to the Code, by ratifying Proposal 2017.003G.A.v2.ICVCN_Rule_3.11_Change. "Change ICVCN Rule 3.11 to permit, with limitations, the names of people to be recognised in names of taxa". As with many other proposals dealing with general approaches

to virus taxonomy and nomenclature, this proposed change was a subject of a lively debate in the community, and was adopted by the overwhelming majority of the ICTV. This change also allowed the creation of two new taxa in the order *Caudovirales*, i.e., the family *Ackermannviridae*, to honor Hans-Wolfgang Ackermann (1936–2017), a former Life Member of the ICTV and Professor Emeritus at Université Laval, for his foundational contributions to the biology and taxonomy of prokaryotic viruses, and the subfamily *Mccleskeyvirinae*, to honor Charles Shelton McCleskey (1904–1984), a former Professor Emeritus at Louisiana State University, for his pioneering work on viruses of *Leuconostoc* bacteria.

Conclusion

All of the taxonomic proposals listed below were approved by the 87–95 affirming votes from the 96 members who voted (a return rate of about 60%). The changes are now part of the official ICTV taxonomy. Several proposals that had been discussed at the 2017 EC meeting were not included in the ballot because they needed further development. Several other proposals were found, after completion of the ratification rate, to contain typographical errors in species' names. According to the current ICTV procedures, these errors will need to be corrected by additional proposals to be submitted to the 2018 EC meeting. An up-to-date list

Table 2 Taxonomic changes approved in February 2018

Order	Family	Subfamily (blank = unassigned)	Genus	Species	Taxonomic change	References
Caudovirales	Ackermannviridae				New family	[1]
Caudovirales	Ackermannviridae	Aglimvirinae			New subfamily	[1]
Caudovirales	Ackermannviridae	Aglimvirinae	Ag3virus		New genus	[1]
Caudovirales	Ackermannviridae	Aglimvirinae	Ag3virus	<i>Shigella virus AG3</i>	Move species to be type species (previous position: <i>Caudovirales/Myoviridae/Vi1virus</i>)	[1]
Caudovirales	Ackermannviridae	Aglimvirinae	Ag3virus	<i>Salmonella virus SKML39</i>	New species	[1]
Caudovirales	Ackermannviridae	Aglimvirinae	Limestonevirus		New genus	[1]
Caudovirales	Ackermannviridae	Aglimvirinae	Limestonevirus	<i>Dickeya virus Limestone</i>	Move species to be type species (previous position: <i>Caudovirales/Myoviridae/Vi1virus</i>)	[1]
Caudovirales	Ackermannviridae	Aglimvirinae	Limestonevirus	<i>Dickeya virus RC2014</i>	New species	[1]
Caudovirales	Ackermannviridae	Cvivrinae			New subfamily	[1]
Caudovirales	Ackermannviridae	Cvivrinae	Cha120virus		New genus	[1]
Caudovirales	Ackermannviridae	Cvivrinae	Cha120virus	<i>Escherichia virus CBA120</i>	Move species to be type species (previous position: <i>Caudovirales/Myoviridae/Vi1virus</i>)	[1]
Caudovirales	Ackermannviridae	Cvivrinae	Cha120virus		New species (previous position: <i>Caudovirales/Myoviridae/Vi1virus</i>)	[1]
Caudovirales	Ackermannviridae	Cvivrinae	Cha120virus	<i>Salmonella virus SFP10</i>		[1]
Caudovirales	Ackermannviridae	Cvivrinae	Cha120virus	<i>Salmonella virus GG32</i>	New species	[1]
Caudovirales	Ackermannviridae	Cvivrinae	Cha120virus	<i>Escherichia virus Phaxd</i>	Move species (previous position: <i>Caudovirales/Myoviridae/Vi1virus</i>)	[1]
Caudovirales	Ackermannviridae	Cvivrinae	Cha120virus	<i>Salmonella virus Dea7</i>	Move species (previous position: <i>Caudovirales/Myoviridae/Vi1virus</i>)	[1]
Caudovirales	Ackermannviridae	Cvivrinae	Cha120virus	<i>Salmonella virus SH19</i>	Move species (previous position: <i>Caudovirales/Myoviridae/Vi1virus</i>)	[1]
Caudovirales	Ackermannviridae	Cvivrinae	Cha120virus	<i>Salmonella virus 38</i>	New species	[1]
Caudovirales	Ackermannviridae	Cvivrinae	Cha120virus	<i>Salmonella virus PM10</i>	New species	[1]
Caudovirales	Ackermannviridae	Cvivrinae	Cha120virus	<i>Salmonella virus SJ3</i>	Move species	[1]
Caudovirales	Ackermannviridae	Cvivrinae	Vi1virus		Move genus and constituent species: <i>Salmonella virus Vi1</i> , <i>Escherichia virus ECML4</i> , <i>Salmonella virus SJ2</i> , <i>Salmonella virus Marshall</i> , <i>Salmonella virus Maynard</i> , <i>Salmonella virus STML31</i> (previous position: <i>Caudovirales/Myoviridae/Vi1virus</i>)	[1]
Caudovirales	Ackermannviridae		Unassigned	<i>Erwinia virus Ea2809</i>	New species unassigned in family	[1]
Caudovirales	Ackermannviridae		Unassigned	<i>Serratia virus MAMI</i>	New species unassigned in family	[1]
Caudovirales	Ackermannviridae		Unassigned	<i>Serratia virus IME250</i>	New species unassigned in family	[1]
Caudovirales	Ackermannviridae		Unassigned	<i>Klebsiella virus 0507KN21</i>	New species unassigned in family	[1]
Unassigned	Portogloboviridae		Alphaportoglobovirus		New family	[2]
Unassigned	Portogloboviridae		Alphaportoglobovirus		New genus	[2]
Unassigned	Portogloboviridae		Alphaportoglobovirus	<i>Sulfolobus alphaportoglobovirus 1</i>	New (type) species	[2]

Table 2 (continued)

Order	Family	Subfamily (blank = unassigned)	Genus	Species	Taxonomic change	References
Caudovirales	Siphoviridae		Anatolevirus		New genus	[3]
Caudovirales	Siphoviridae		Anatolevirus	<i>Propionibacterium virus Anatole</i>	New (type) species	[3]
Caudovirales	Siphoviridae		Anatolevirus	<i>Propionibacterium virus B3</i>	New species	[3]
Caudovirales	Siphoviridae	<i>Chebravirinae</i>			New subfamily	[4]
Caudovirales	Siphoviridae	<i>Chebravirinae</i>	<i>Che9cvirus</i>		Move genus (with constituent type species: <i>Mycobacterium virus Che9c</i>)	[4]
Caudovirales	Siphoviridae	<i>Chebravirinae</i>	<i>Che9cvirus</i>	<i>Mycobacterium virus Shash</i>	New species	[4]
Caudovirales	Siphoviridae	<i>Chebravirinae</i>	<i>Brajitavirus</i>		New genus	[4]
Caudovirales	Siphoviridae	<i>Chebravirinae</i>	<i>Brajitavirus</i>	<i>Mycobacterium virus Brajita</i>	Move species to be type species (previous position: <i>Caudovirales/Siphoviridae/Che9cvirus</i>)	[4]
Caudovirales	Siphoviridae	<i>Chebravirinae</i>	<i>Brajitavirus</i>	<i>Mycobacterium virus Babsiella</i>	Move species (previous position: <i>Caudovirales/Siphoviridae/Che9cvirus</i>)	[4]
Caudovirales	Siphoviridae		<i>Atisvirus</i>		New genus	[5]
Caudovirales	Siphoviridae		<i>Atisvirus</i>	<i>Gordonia virus Atis</i>	New (type) species	[5]
Caudovirales	Siphoviridae		<i>Doucetevirus</i>		New genus	[6]
Caudovirales	Siphoviridae		<i>Doucetevirus</i>	<i>Propionibacterium virus Doucette</i>	New (type) species	[6]
Caudovirales	Siphoviridae		<i>Doucetevirus</i>	<i>Propionibacterium virus B22</i>	New species	[6]
Caudovirales	Siphoviridae		<i>Doucetevirus</i>	<i>Propionibacterium virus E6</i>	New species	[6]
Caudovirales	Siphoviridae		<i>Doucetevirus</i>	<i>Propionibacterium virus G4</i>	New species	[6]
Caudovirales	Siphoviridae	<i>Delasvirinae</i>			New subfamily	[7]
Caudovirales	Siphoviridae	<i>Delasvirinae</i>	<i>Plotvirus</i>		New genus	[7]
Caudovirales	Siphoviridae	<i>Delasvirinae</i>	<i>Plotvirus</i>	<i>Mycobacterium virus Plot</i>	New (type) species	[7]
Caudovirales	Siphoviridae	<i>Delasvirinae</i>	<i>Hawkeyevirus</i>		New genus	[7]
Caudovirales	Siphoviridae	<i>Delasvirinae</i>	<i>Hawkeyevirus</i>	<i>Mycobacterium virus Hawkeye</i>	New (type) species	[7]
Caudovirales	Siphoviridae		<i>HK97virus</i>		New genus	[8]
Caudovirales	Siphoviridae		<i>HK97virus</i>	<i>Escherichia virus HK97</i>	Move species to be type species (previous position: <i>Caudovirales/Siphoviridae/Lambdavirus</i>)	[8]
Caudovirales	Siphoviridae		<i>HK97virus</i>	<i>Escherichia virus HK022</i>	Move species (previous position: <i>Caudovirales/Siphoviridae/Lambdavirus</i>)	[8]
Caudovirales	Siphoviridae		<i>HK97virus</i>	<i>Escherichia virus mEpX2</i>	New species	[8]
Caudovirales	Siphoviridae		<i>HK97virus</i>	<i>Escherichia virus HK542</i>	New species	[8]
Caudovirales	Siphoviridae		<i>HK97virus</i>	<i>Escherichia virus HK633</i>	New species	[8]
Caudovirales	Siphoviridae		<i>HK97virus</i>	<i>Escherichia virus HK106</i>	New species	[8]
Caudovirales	Siphoviridae		<i>HK97virus</i>	<i>Escherichia virus mEp234</i>	New species	[8]
Caudovirales	Siphoviridae		<i>HK97virus</i>	<i>Escherichia virus HK446</i>	New species	[8]
Caudovirales	Siphoviridae		<i>HK97virus</i>	<i>Escherichia virus HK544</i>	New species	[8]
Caudovirales	Siphoviridae		<i>HK97virus</i>	<i>Escherichia virus mEpX1</i>	New species	[8]
Caudovirales	Siphoviridae		<i>HK97virus</i>	<i>Escherichia virus HK75</i>	New species	[8]
Caudovirales	Siphoviridae	<i>Mecleskeyvirinae</i>			New subfamily	[9]

Table 2 (continued)

Order	Family	Subfamily (blank = unassigned)	Genus	Species	Taxonomic change	References
Caudovirales	Siphoviridae	Mecleskeyvirinae	<i>Una4virus</i>		New genus	[9]
Caudovirales	Siphoviridae	Mecleskeyvirinae	<i>Una4virus</i>	<i>Leuconostoc virus IA4</i>	New (type) species	[9]
Caudovirales	Siphoviridae	Mecleskeyvirinae	<i>Una4virus</i>	<i>Leuconostoc virus Ln9</i>	New species	[9]
Caudovirales	Siphoviridae	Mecleskeyvirinae	<i>Una4virus</i>	<i>Leuconostoc virus Ln8</i>	New species	[9]
Caudovirales	Siphoviridae	Mecleskeyvirinae	<i>Una4virus</i>	<i>Leuconostoc virus LN25</i>	New species	[9]
Caudovirales	Siphoviridae	Mecleskeyvirinae	<i>Una4virus</i>	<i>Leuconostoc virus LN34</i>	New species	[9]
Caudovirales	Siphoviridae	Mecleskeyvirinae	<i>Una4virus</i>	<i>Leuconostoc virus LNTR3</i>	New species	[9]
Caudovirales	Siphoviridae	Mecleskeyvirinae	<i>LmdIvirus</i>		New genus	[9]
Caudovirales	Siphoviridae	Mecleskeyvirinae	<i>LmdIvirus</i>	<i>Leuconostoc virus P793</i>	New species	[9]
Caudovirales	Siphoviridae	Mecleskeyvirinae	<i>LmdIvirus</i>	<i>Leuconostoc virus LN12</i>	New species	[9]
Caudovirales	Siphoviridae	Mecleskeyvirinae	<i>LmdIvirus</i>	<i>Leuconostoc virus LN03</i>	New species	[9]
Caudovirales	Siphoviridae	Mecleskeyvirinae	<i>LmdIvirus</i>	<i>Leuconostoc virus LN04</i>	New species	[9]
Caudovirales	Siphoviridae	Mecleskeyvirinae	<i>LmdIvirus</i>	<i>Leuconostoc virus LN6B</i>	New species	[9]
Caudovirales	Siphoviridae	Mecleskeyvirinae	<i>LmdIvirus</i>	<i>Leuconostoc virus Lmdl</i>	New (type) species	[9]
Caudovirales	Siphoviridae	Nelasvirinae			New subfamily	[10]
Caudovirales	Siphoviridae	Nelasvirinae	<i>Redivirus</i>		New genus	[10]
Caudovirales	Siphoviridae	Nelasvirinae	<i>Redivirus</i>	<i>Mycobacterium virus Redi</i>	Move species to be type species (previous position: <i>Caudovirales/Siphoviridae/Charlievirus</i>)	[10]
Caudovirales	Siphoviridae	Nelasvirinae	<i>Redivirus</i>	<i>Mycobacterium virus Panchino</i>	New species	[10]
Caudovirales	Siphoviridae	Nelasvirinae	<i>Redivirus</i>	<i>Mycobacterium virus Skinnyp</i>	New species	[10]
Caudovirales	Siphoviridae	Nelasvirinae	<i>Redivirus</i>	<i>Mycobacterium virus Phrann</i>	New species	[10]
Caudovirales	Siphoviridae	Nelasvirinae	<i>Charlievirus</i>		Move genus (with constituent species: <i>Mycobacterium virus Charlie</i>)	[10]
Caudovirales	Siphoviridae	Nelasvirinae	<i>Charlievirus</i>	<i>Mycobacterium virus Pipsqueaks</i>	New species	[10]
Caudovirales	Siphoviridae	Nelasvirinae	<i>Charlievirus</i>	<i>Mycobacterium virus Xeno</i>	New species	[10]
Caudovirales	Siphoviridae	Nelasvirinae	<i>Buttersvirus</i>		New genus	[10]
Caudovirales	Siphoviridae	Nelasvirinae	<i>Buttersvirus</i>	<i>Mycobacterium virus Butters</i>	New (type) species	[10]
Caudovirales	Siphoviridae	Nelasvirinae	<i>Buttersvirus</i>	<i>Mycobacterium virus Michelle</i>	New species	[10]
Caudovirales	Siphoviridae	Nymbaxtervirinae			New subfamily	[11]
Caudovirales	Siphoviridae	Nymbaxtervirinae	<i>Nymphadoravirus</i>		New genus	[11]
Caudovirales	Siphoviridae	Nymbaxtervirinae	<i>Nymphadoravirus</i>	<i>Gordonia virus Nymphadora</i>	New (type) species	[11]
Caudovirales	Siphoviridae	Nymbaxtervirinae	<i>Nymphadoravirus</i>	<i>Gordonia virus Kita</i>	New species	[11]
Caudovirales	Siphoviridae	Nymbaxtervirinae	<i>Nymphadoravirus</i>	<i>Gordonia virus Zirinka</i>	New species	[11]
Caudovirales	Siphoviridae	Nymbaxtervirinae	<i>Baxtervirus</i>		New genus	[11]
Caudovirales	Siphoviridae	Nymbaxtervirinae	<i>Baxtervirus</i>	<i>Gordonia virus BaxterFox</i>	New (type) species	[11]
Caudovirales	Siphoviridae	Nymbaxtervirinae	<i>Baxtervirus</i>	<i>Gordonia virus Yezy</i>	New species	[11]
Caudovirales	Siphoviridae	Wizardvirus			New genus	[12]
Caudovirales	Siphoviridae	Wizardvirus	<i>Wizardvirus</i>	<i>Gordonia virus Wizard</i>	New (type) species	[12]
Caudovirales	Siphoviridae	Wizardvirus	<i>Wizardvirus</i>	<i>Gordonia virus Twister6</i>	New species	[12]

Table 2 (continued)

Order	Family	Subfamily (blank = unassigned)	Genus	Species	Taxonomic change	References
Unassigned	<i>Tectiviridae</i>		<i>Alphatectivirus</i>		Rename genus (previous name: <i>Tectivirus</i>)	[13]
Unassigned	<i>Tectiviridae</i>		<i>Alphatectivirus</i>	<i>Pseudomonas virus PRD1</i>	Rename species (previous name: <i>Salmonella virus PRD1</i>)	[13]
Unassigned	<i>Tectiviridae</i>		<i>Alphatectivirus</i>	<i>Pseudomonas virus PR4</i>	New species	[13]
Unassigned	<i>Tectiviridae</i>		<i>Betatectivirus</i>		New genus	[13]
Unassigned	<i>Tectiviridae</i>		<i>Betatectivirus</i>	<i>Bacillus virus Bam35</i>	Move species to be type species (previous position: <i>Tectiviridae/Tectivirus</i>)	[13]
Unassigned	<i>Tectiviridae</i>		<i>Betatectivirus</i>	<i>Bacillus virus GILL6</i>	New species	[13]
Unassigned	<i>Tectiviridae</i>		<i>Betatectivirus</i>	<i>Bacillus virus AP50</i>	Move species	[13]
Unassigned	<i>Tectiviridae</i>		<i>Betatectivirus</i>	<i>Bacillus virus Wip1</i>	New species	[13]
Unassigned					Abolish species <i>Thermus virus P37-14</i> (previous position: <i>Tectiviridae/Tectivirus</i>)	[13]
Unassigned					Abolish species <i>Alicyclobacillus virus NS11</i> (previous position: unassigned/ <i>Tectivirus</i>)	[13]
Unassigned	<i>Cystoviridae</i>		<i>Cystovirus</i>	<i>Pseudomonas virus phi8</i>	New species	[14]
Unassigned	<i>Cystoviridae</i>		<i>Cystovirus</i>	<i>Pseudomonas virus phi12</i>	New species	[14]
Unassigned	<i>Cystoviridae</i>		<i>Cystovirus</i>	<i>Pseudomonas virus phi13</i>	New species	[14]
Unassigned	<i>Cystoviridae</i>		<i>Cystovirus</i>	<i>Pseudomonas virus phi2954</i>	New species	[14]
Unassigned	<i>Cystoviridae</i>		<i>Cystovirus</i>	<i>Pseudomonas virus phiNN</i>	New species	[14]
Unassigned	<i>Cystoviridae</i>		<i>Cystovirus</i>	<i>Pseudomonas virus phiYY</i>	New species	[14]
Caudovirales	<i>Podoviridae</i>		<i>DJI2virus</i>		New genus	[15]
Caudovirales	<i>Podoviridae</i>		<i>DJI2virus</i>	<i>Dinoroseobacter virus DFL12</i>	New (type) species	[15]
Caudovirales	<i>Podoviridae</i>		<i>Sp58virus</i>		New genus	[16]
Caudovirales	<i>Podoviridae</i>		<i>Sp58virus</i>	<i>Salmonella virus FSL SP-458</i>	New (type) species	[16]
Caudovirales	<i>Podoviridae</i>		<i>Sp58virus</i>	<i>Salmonella virus FSL SP-076</i>	New species	[16]
Caudovirales	<i>Podoviridae</i>		<i>Sp58virus</i>	<i>Escherichia virus Pollock</i>	New species	[16]
Caudovirales	<i>Myoviridae</i>		<i>Svunavirus</i>		New genus	[17]
Caudovirales	<i>Myoviridae</i>		<i>Svunavirus</i>	<i>Geobacillus virus GBSV1</i>	New (type) species	[17]
Caudovirales	<i>Myoviridae</i>		<i>Svunavirus</i>	<i>Bacillus virus 1</i>	New species	[17]
Caudovirales	<i>Siphoviridae</i>		<i>Tp84virus</i>		New genus	[18]
Caudovirales	<i>Siphoviridae</i>		<i>Tp84virus</i>	<i>Geobacillus virus Tp84</i>	New (type) species	[18]
Caudovirales	<i>Myoviridae</i>		<i>Eah2virus</i>		New genus	[19]
Caudovirales	<i>Myoviridae</i>		<i>Eah2virus</i>	<i>Erwinia virus Eah2</i>	New (type) species	[19]
Caudovirales	<i>Myoviridae</i>		<i>Eah2virus</i>	<i>Erwinia virus Asesino</i>	New species	[19]
Caudovirales	<i>Podoviridae</i>		<i>Jwalphavirus</i>		New genus	[20]
Caudovirales	<i>Podoviridae</i>		<i>Jwalphavirus</i>	<i>Achromobacter virus JWAAlpha</i>	New (type) species	[20]
Caudovirales	<i>Podoviridae</i>		<i>Jwalphavirus</i>	<i>Achromobacter virus Axp3</i>	New species	[20]
Caudovirales	<i>Podoviridae</i>		<i>P22virus</i>	<i>Salmonella virus BTP1</i>	New species	[21]
Caudovirales	<i>Myoviridae</i>		<i>Machinavirus</i>		New genus	[22]
Caudovirales	<i>Myoviridae</i>		<i>Machinavirus</i>	<i>Erwinia virus Machina</i>	New (type) species	[22]

Table 2 (continued)

Order	Family	Subfamily (blank = unassigned)	Genus	Species	Taxonomic change	References
Caudovirales	Siphoviridae		<i>Triginataovirus</i>		New genus	[23]
Caudovirales	Siphoviridae		<i>Triginataovirus</i>	<i>Mycobacterium virus 32HC</i>	New (type) species	[23]
Caudovirales	Siphoviridae		<i>Pf1virus</i>		New genus	[24]
Caudovirales	Siphoviridae		<i>Pf1virus</i>	<i>Propionibacterium virus PF1</i>	New (type) species	[24]
Caudovirales	Siphoviridae		<i>Lambdavirus</i>	<i>Escherichia virus DE3</i>	New species	[25]
Caudovirales	Siphoviridae		<i>Lambdavirus</i>	<i>Escherichia virus HK629</i>	New species	[25]
Caudovirales	Siphoviridae		<i>Lambdavirus</i>	<i>Escherichia virus HK630</i>	New species	[25]
Unassigned	Belpaoviridae		<i>Semotivirus</i>		New family	[26]
Unassigned	Belpaoviridae		<i>Semotivirus</i>		Move genus (with constituent species: <i>Anopheles gambiae</i> <i>Moose virus</i> , <i>Ascaris lumbricoides</i> <i>Tas virus</i> , <i>Bombyx mori</i> <i>Pao virus</i> , <i>Caenorhabditis elegans</i> <i>Cer13 virus</i> , <i>Drosophila melanogaster</i> <i>Bel virus</i> , <i>Drosophila melanogaster</i> <i>Roo virus</i> , <i>Drosophila simulans</i> <i>Ninja virus</i> , <i>Takifugu rubripes</i> <i>Suzu virus</i>)	[26]
Unassigned	Belpaoviridae		<i>Semotivirus</i>	<i>Takifugu rubripes</i> <i>Suzu virus</i>	Rename species (previous name: <i>Fugu rubripes</i> <i>Suzu virus</i>)	[26]
Unassigned	Belpaoviridae		<i>Semotivirus</i>	<i>Drosophila semotivirus Max</i>	New species	[26]
Unassigned	Belpaoviridae		<i>Semotivirus</i>	<i>Antheraea semotivirus Tamy</i>	New species	[26]
Unassigned	Belpaoviridae		<i>Semotivirus</i>	<i>Schistosoma semotivirus Sinbad</i>	New species	[26]
Unassigned	Parvovirinae		<i>Andoparvovirus</i>	<i>Carnivore andoparvovirus 3</i>	New species	[27]
Unassigned	Parvovirinae		<i>Andoparvovirus</i>	<i>Carnivore andoparvovirus 4</i>	New species	[27]
Unassigned	Parvovirinae		<i>Bocaparvovirus</i>	<i>Carnivore bocaparvovirus 4</i>	New species	[28]
Unassigned	Parvovirinae		<i>Bocaparvovirus</i>	<i>Carnivore bocaparvovirus 5</i>	New species	[28]
Unassigned	Parvovirinae		<i>Bocaparvovirus</i>	<i>Carnivore bocaparvovirus 6</i>	New species	[28]
Unassigned	Parvovirinae		<i>Bocaparvovirus</i>	<i>Chiropteran bocaparvovirus 1</i>	New species	[28]
Unassigned	Parvovirinae		<i>Bocaparvovirus</i>	<i>Chiropteran bocaparvovirus 2</i>	New species	[28]
Unassigned	Parvovirinae		<i>Bocaparvovirus</i>	<i>Chiropteran bocaparvovirus 3</i>	New species	[28]
Unassigned	Parvovirinae		<i>Bocaparvovirus</i>	<i>Chiropteran bocaparvovirus 4</i>	New species	[28]
Unassigned	Parvovirinae		<i>Bocaparvovirus</i>	<i>Lagomorph bocaparvovirus 1</i>	New species	[28]
Unassigned	Parvovirinae		<i>Bocaparvovirus</i>	<i>Ungulate bocaparvovirus 6</i>	New species	[28]
Unassigned	Parvovirinae		<i>Protoparvovirus</i>	<i>Chiropteran protoparvovirus 1</i>	New species	[29]
Unassigned	Parvovirinae		<i>Protoparvovirus</i>	<i>Eulipotyphla protoparvovirus 1</i>	New species	[29]
Unassigned	Parvovirinae		<i>Protoparvovirus</i>	<i>Primate protoparvovirus 2</i>	New species	[29]
Unassigned	Parvovirinae		<i>Protoparvovirus</i>	<i>Primate protoparvovirus 3</i>	New species	[29]
Unassigned	Parvovirinae		<i>Protoparvovirus</i>	<i>Rodent protoparvovirus 3</i>	New species	[29]
Unassigned	Parvovirinae		<i>Protoparvovirus</i>	<i>Ungulate protoparvovirus 2</i>	New species	[29]
Unassigned	<i>Iridoviridae</i>		<i>Ranavirus</i>	<i>Common midwife toad virus</i>	New species	[30]
Unassigned	<i>Retroviridae</i>		<i>Simiispumavirus</i>		Rename genus (previous name: <i>Spumavirus</i>)	[31]

Table 2 (continued)

Order	Family	Subfamily (blank = unassigned)	Genus	Species	Taxonomic change	References
Unassigned	Retroviridae	Spumaretrovirinae	<i>Simispumavirus</i>	<i>Eastern chimpanzee simian foamy virus</i>	Rename species (previous name: <i>Simian foamy virus</i>)	[31]
Unassigned	Retroviridae	Spumaretrovirinae	<i>Simispumavirus</i>	<i>Western chimpanzee simian foamy virus</i>	New species	[31]
Unassigned	Retroviridae	Spumaretrovirinae	<i>Simispumavirus</i>	<i>Central chimpanzee simian foamy virus</i>	New species	[31]
Unassigned	Retroviridae	Spumaretrovirinae	<i>Simispumavirus</i>	<i>Western lowland gorilla simian foamy virus</i>	New species	[31]
Unassigned	Retroviridae	Spumaretrovirinae	<i>Simispumavirus</i>	<i>Bornean orangutan simian foamy virus</i>	New species	[31]
Unassigned	Retroviridae	Spumaretrovirinae	<i>Simispumavirus</i>	<i>Taiwanese macaque simian foamy virus</i>	Rename species (previous name: <i>Macaque simian foamy virus</i>)	[31]
Unassigned	Retroviridae	Spumaretrovirinae	<i>Simispumavirus</i>	<i>Rhesus macaque simian foamy virus</i>	New species	[31]
Unassigned	Retroviridae	Spumaretrovirinae	<i>Simispumavirus</i>	<i>Japanese macaque simian foamy virus</i>	New species	[31]
Unassigned	Retroviridae	Spumaretrovirinae	<i>Simispumavirus</i>	<i>Grivet simian foamy virus</i>	Rename species (previous name: <i>African green monkey simian foamy virus</i>)	[31]
Unassigned	Retroviridae	Spumaretrovirinae	<i>Simispumavirus</i>	<i>Guenon simian foamy virus</i>	New species	[31]
Unassigned	Retroviridae	Spumaretrovirinae	<i>Simispumavirus</i>	<i>Spider monkey simian foamy virus</i>	New species	[31]
Unassigned	Retroviridae	Spumaretrovirinae	<i>Simispumavirus</i>	<i>White-tufted-ear marmoset simian foamy virus</i>	New species	[31]
Unassigned	Retroviridae	Spumaretrovirinae	<i>Simispumavirus</i>	<i>Squirrel monkey simian foamy virus</i>	New species	[31]
Unassigned	Retroviridae	Spumaretrovirinae	<i>Simispumavirus</i>	<i>Yellow-breasted capuchin simian foamy virus</i>	New species	[31]
Unassigned	Retroviridae	Spumaretrovirinae	<i>Prosimiispumavirus</i>		New genus	[31]
Unassigned	Retroviridae	Spumaretrovirinae	<i>Prosimiispumavirus</i>	<i>Brown greater galago prosimian foamy virus</i>	New (type) species	[31]
Unassigned	Retroviridae	Spumaretrovirinae	<i>Bovispumavirus</i>		New genus	[31]
Unassigned	Retroviridae	Spumaretrovirinae	<i>Bovispumavirus</i>	<i>Bovine foamy virus</i>	Move species to be type species (previous position: <i>Retroviridae/Spumaretrovirinae/Spumavirus</i>)	[31]
Unassigned	Retroviridae	Spumaretrovirinae	<i>Felispumavirus</i>		New genus	[31]
Unassigned	Retroviridae	Spumaretrovirinae	<i>Felispumavirus</i>	<i>Feline foamy virus</i>	move species to be type species (previous position: <i>Retroviridae/Spumaretrovirinae/Spumavirus</i>)	[31]
Unassigned	Retroviridae	Spumaretrovirinae	<i>Felispumavirus</i>	<i>Puma feline foamy virus</i>	New species	[31]
Unassigned	Retroviridae	Spumaretrovirinae	<i>Equispumavirus</i>	<i>Equine foamy virus</i>	New genus	[31]
Unassigned	Retroviridae	Spumaretrovirinae	<i>Equispumavirus</i>		Move species to be type species (previous position: <i>Retroviridae/Spumaretrovirinae/Spumavirus</i>)	[31]
Unassigned	Polyomaviridae		unassigned	<i>Rhynchobatus djiddensis polyomavirus 1</i>	New unassigned species	[32]
Unassigned	Polyomaviridae	Betapolyomavirus	<i>Betapolyomavirus</i>	<i>Vicugna pacos polyomavirus 1</i>	New species	[32]
Unassigned	Polyomaviridae	Betapolyomavirus	<i>Betapolyomavirus</i>	<i>Rattus norvegicus polyomavirus 2</i>	New species	[32]
Unassigned	Polyomaviridae	Betapolyomavirus	<i>Betapolyomavirus</i>	<i>Leptonchotes weddellii polyomavirus 1</i>	New species	[32]
Unassigned	Polyomaviridae	Alphapolyomavirus	<i>Alphapolyomavirus</i>	<i>Ptilocolobus hadius polyomavirus 1</i>	New species	[32]
Unassigned	Polyomaviridae	Gammmapolyomavirus	<i>Gammmapolyomavirus</i>	<i>Lonchura maja polyomavirus 1</i>	New species	[32]
Unassigned	Polyomaviridae	Gammmapolyomavirus	<i>Gammmapolyomavirus</i>	<i>Erythrura gouldiae polyomavirus 1</i>	New species	[32]

Table 2 (continued)

Order	Family	Subfamily (blank = unassigned)	Genus	Species	Taxonomic change	References
Unassigned	<i>Polyomaviridae</i>		unassigned	<i>Trematolomus pennellii polyomavirus 1</i>	New species	[32]
Unassigned	<i>Baculoviridae</i>		<i>Betabaculovirus</i>	<i>Chaphalocrocis medinalis granulovirus</i>	New species	[33]
Unassigned	<i>Baculoviridae</i>		<i>Betabaculovirus</i>	<i>Mythimna unipuncta granulovirus A</i>	Rename species (previous name: <i>Pseudalatalia unipuncta granulovirus</i>)	[33]
Unassigned	<i>Baculoviridae</i>		<i>Betabaculovirus</i>	<i>Mythimna unipuncta granulovirus B</i>	New species	[33]
Unassigned	<i>Circoviridae</i>		<i>Circovirus</i>	<i>Porcine circovirus 3</i>	New species	[34]
Unassigned	<i>Circoviridae</i>		<i>Circovirus</i>	<i>Bat associated circovirus 9</i>	New species	[34]
Unassigned	<i>Circoviridae</i>		<i>Cyclovirus</i>	<i>Mouse associated cyclovirus 1</i>	New species	[34]
Unassigned	<i>Circoviridae</i>		<i>Cyclovirus</i>	<i>Human associated cyclovirus 12</i>	New species	[34]
Unassigned	<i>Papillomaviridae</i>	<i>Firstpapillomavirinae</i>			New subfamily	[35]
Unassigned	<i>Papillomaviridae</i>	<i>Firstpapillomavirinae</i>	<i>Alphapapillomavirus</i>		Assign genus and constituent species (<i>Alphapapillomavirus 1</i> to <i>Alphapapillomavirus 14</i> , inclusive) to new subfamily	[35]
Unassigned	<i>Papillomaviridae</i>	<i>Firstpapillomavirinae</i>	<i>Betapapillomavirus</i>		Assign genus and constituent species (<i>Betapapillomavirus 1</i> to <i>Betapapillomavirus 6</i> , inclusive) to new subfamily	[35]
Unassigned	<i>Papillomaviridae</i>	<i>Firstpapillomavirinae</i>	<i>Chipapillomavirus</i>		Assign genus and constituent species (<i>Chipapillomavirus 1</i> , <i>Chipapillomavirus 2</i> , <i>Chipapillomavirus 3</i>) to new subfamily	[35]
Unassigned	<i>Papillomaviridae</i>	<i>Firstpapillomavirinae</i>	<i>Deltapapillomavirus</i>		Assign genus and constituent species (<i>Deltapapillomavirus 1</i> to <i>Deltapapillomavirus 6</i> , inclusive) to new subfamily	[35]
Unassigned	<i>Papillomaviridae</i>	<i>Firstpapillomavirinae</i>	<i>Dyochipapillomavirus</i>		Assign genus and constituent species (<i>Dyochipapillomavirus 1</i>) to new subfamily	[35]
Unassigned	<i>Papillomaviridae</i>	<i>Firstpapillomavirinae</i>	<i>Dyodeltapapillomavirus</i>		Assign genus and constituent species (<i>Dyodeltapapillomavirus 1</i>) to new subfamily	[35]
Unassigned	<i>Papillomaviridae</i>	<i>Firstpapillomavirinae</i>	<i>Dyoepsilontapapillomavirus</i>		Assign genus and constituent species (<i>Dyoepsilontapapillomavirus 1</i>) to new subfamily	[35]
Unassigned	<i>Papillomaviridae</i>	<i>Firstpapillomavirinae</i>	<i>Dyoetapapillomavirus</i>		Assign genus and constituent species (<i>Dyoetapapillomavirus 1</i>) to new subfamily	[35]
Unassigned	<i>Papillomaviridae</i>	<i>Firstpapillomavirinae</i>	<i>Dyototapapillomavirus</i>		Assign genus and constituent species (<i>Dyototapapillomavirus 1</i> , <i>Dyototapapillomavirus 2</i>) to new subfamily	[35]
Unassigned	<i>Papillomaviridae</i>	<i>Firstpapillomavirinae</i>	<i>Dyokappapapillomavirus</i>		Assign genus and constituent species (<i>Dyokappapapillomavirus 1</i> , <i>Dyokappapapillomavirus 2</i>) to new subfamily	[35]
Unassigned	<i>Papillomaviridae</i>	<i>Firstpapillomavirinae</i>	<i>Dyolambdapapillomavirus</i>		Assign genus and constituent species (<i>Dyolambdapapillomavirus 1</i>) to new subfamily	[35]
Unassigned	<i>Papillomaviridae</i>	<i>Firstpapillomavirinae</i>	<i>Dyomupapillomavirus</i>		Assign genus and constituent species (<i>Dyomupapillomavirus 1</i>) to new subfamily	[35]

Table 2 (continued)

Order	Family	Subfamily (blank = unassigned)	Genus	Species	Taxonomic change	References
Unassigned	<i>Papillomaviridae</i>	<i>Firstpapillomavirinae</i>	<i>Dyonupapillomavirus</i>		Assign genus and constituent species (<i>Dyonupapillomavirus 1</i>) to new subfamily	[35]
Unassigned	<i>Papillomaviridae</i>	<i>Firstpapillomavirinae</i>	<i>Dyomegapapillomavirus</i>		Assign genus and constituent species (<i>Dyomegapapillomavirus 1</i>) to new subfamily	[35]
Unassigned	<i>Papillomaviridae</i>	<i>Firstpapillomavirinae</i>	<i>Dyoomikronpapillomavirus</i>		Assign genus and constituent species (<i>Dyoomikronpapillomavirus 1</i>) to new subfamily	[35]
Unassigned	<i>Papillomaviridae</i>	<i>Firstpapillomavirinae</i>	<i>Dyophilpapillomavirus</i>		Assign genus and constituent species (<i>Dyophilpapillomavirus 1</i>) to new subfamily	[35]
Unassigned	<i>Papillomaviridae</i>	<i>Firstpapillomavirinae</i>	<i>Dyopipapillomavirus</i>		Assign genus and constituent species (<i>Dyopipapillomavirus 1</i>) to new subfamily	[35]
Unassigned	<i>Papillomaviridae</i>	<i>Firstpapillomavirinae</i>	<i>Dyopsipapillomavirus</i>		Assign genus and constituent species (<i>Dyopsipapillomavirus 1</i>) to new subfamily	[35]
Unassigned	<i>Papillomaviridae</i>	<i>Firstpapillomavirinae</i>	<i>Dyohopapillomavirus</i>		Assign genus and constituent species (<i>Dyohopapillomavirus 1</i>) to new subfamily	[35]
Unassigned	<i>Papillomaviridae</i>	<i>Firstpapillomavirinae</i>	<i>Dyosigemapapillomavirus</i>		Assign genus and constituent species (<i>Dyosigemapapillomavirus 1</i>) to new subfamily	[35]
Unassigned	<i>Papillomaviridae</i>	<i>Firstpapillomavirinae</i>	<i>Dyotapapillomavirus</i>		Assign genus and constituent species (<i>Dyotapapillomavirus 1</i>) to new subfamily	[35]
Unassigned	<i>Papillomaviridae</i>	<i>Firstpapillomavirinae</i>	<i>Dyohetapapillomavirus</i>		Assign genus and constituent species (<i>Dyohetapapillomavirus 1</i>) to new subfamily	[35]
Unassigned	<i>Papillomaviridae</i>	<i>Firstpapillomavirinae</i>	<i>Dyousilonpapillomavirus</i>		Assign genus and constituent species (<i>Dyousilonpapillomavirus 1</i>) to new subfamily	[35]
Unassigned	<i>Papillomaviridae</i>	<i>Firstpapillomavirinae</i>	<i>Dyoxipapillomavirus</i>		Assign genus and constituent species (<i>Dyoxipapillomavirus 1</i>) to new subfamily	[35]
Unassigned	<i>Papillomaviridae</i>	<i>Firstpapillomavirinae</i>	<i>Dyozetapapillomavirus</i>		Assign genus and constituent species (<i>Dyozetapapillomavirus 1</i>) to new subfamily	[35]
Unassigned	<i>Papillomaviridae</i>	<i>Firstpapillomavirinae</i>	<i>Epsilompapillomavirus</i>		Assign genus and constituent species (<i>Epsilompapillomavirus 1</i>) to new subfamily	[35]
Unassigned	<i>Papillomaviridae</i>	<i>Firstpapillomavirinae</i>	<i>Etapapillomavirus</i>		Assign genus and constituent species (<i>Etapapillomavirus 1</i>) to new subfamily	[35]
Unassigned	<i>Papillomaviridae</i>	<i>Firstpapillomavirinae</i>	<i>Gammapapillomavirus</i>		Assign genus and constituent species (<i>Gammapapillomavirus 1</i> to <i>Gammapapillomavirus 26</i> , inclusive) to new subfamily	[35]
Unassigned	<i>Papillomaviridae</i>	<i>Firstpapillomavirinae</i>	<i>Lotapapillomavirus</i>		Assign genus and constituent species (<i>Lotapapillomavirus 1</i>) to new subfamily	[35]
Unassigned	<i>Papillomaviridae</i>	<i>Firstpapillomavirinae</i>	<i>Kappapapillomavirus</i>		Assign genus and constituent species (<i>Kappapapillomavirus 1</i> , <i>Kappapapillomavirus 2</i>) to new subfamily	[35]

Table 2 (continued)

Order	Family	Subfamily (blank = unassigned)	Genus	Species	Taxonomic change	References
Unassigned	Papillomaviridae	Firstpapillomavirinae	<i>Lambdapapillomavirus</i>	<i>Lambdapapillomavirus</i>	Assign genus and constituent species (<i>Lambdapapillomavirus 1</i> to <i>Lambdapapillomavirus 5</i> , inclusive) to new subfamily	[35]
Unassigned	Papillomaviridae	Firstpapillomavirinae	<i>Mupapillomavirus</i>	<i>Mupapillomavirus</i>	Assign genus and constituent species (<i>Mupapillomavirus 1</i> , <i>Mupapillomavirus 2</i> , <i>Mupapillomavirus 3</i>) to new subfamily	[35]
Unassigned	Papillomaviridae	Firstpapillomavirinae	<i>Nupapillomavirus</i>	<i>Nupapillomavirus</i>	Assign genus and constituent species (<i>Nupapillomavirus 1</i>) to new subfamily	[35]
Unassigned	Papillomaviridae	Firstpapillomavirinae	<i>Omegapapillomavirus</i>	<i>Omegapapillomavirus</i>	Assign genus and constituent species (<i>Omegapapillomavirus 1</i>) to new subfamily	[35]
Unassigned	Papillomaviridae	Firstpapillomavirinae	<i>Omikronpapillomavirus</i>	<i>Omikronpapillomavirus</i>	Assign genus and constituent species (<i>Omikronpapillomavirus 1</i>) to new subfamily	[35]
Unassigned	Papillomaviridae	Firstpapillomavirinae	<i>Phipapillomavirus</i>	<i>Phipapillomavirus</i>	Assign genus and constituent species (<i>Phipapillomavirus 1</i>) to new subfamily	[35]
Unassigned	Papillomaviridae	Firstpapillomavirinae	<i>Pipapillomavirus</i>	<i>Pipapillomavirus</i>	Assign genus and constituent species (<i>Pipapillomavirus 1</i> , <i>Pipapillomavirus 2</i>) to new subfamily	[35]
Unassigned	Papillomaviridae	Firstpapillomavirinae	<i>Psipapillomavirus</i>	<i>Psipapillomavirus</i>	Assign genus and constituent species (<i>Psipapillomavirus 1</i>) to new subfamily	[35]
Unassigned	Papillomaviridae	Firstpapillomavirinae	<i>Rhopapillomavirus</i>	<i>Rhopapillomavirus</i>	Assign genus and constituent species (<i>Rhopapillomavirus 1</i> , <i>Rhopapillomavirus 2</i>) to new subfamily	[35]
Unassigned	Papillomaviridae	Firstpapillomavirinae	<i>Sigmapapillomavirus</i>	<i>Sigmapapillomavirus</i>	Assign genus and constituent species (<i>Sigmapapillomavirus 1</i>) to new subfamily	[35]
Unassigned	Papillomaviridae	Firstpapillomavirinae	<i>Taupapillomavirus</i>	<i>Taupapillomavirus</i>	Assign genus and constituent species (<i>Taupapillomavirus 1</i> , <i>Taupapillomavirus 2</i> , <i>Taupapillomavirus 3</i>) to new subfamily	[35]
Unassigned	Papillomaviridae	Firstpapillomavirinae	<i>Thetapapillomavirus</i>	<i>Thetapapillomavirus</i>	Assign genus and constituent species (<i>Thetapapillomavirus 1</i>) to new subfamily	[35]
Unassigned	Papillomaviridae	Firstpapillomavirinae	<i>Treisideltapapillomavirus</i>	<i>Treisideltapapillomavirus</i>	Assign genus and constituent species (<i>Treisideltapapillomavirus 1</i>) to new subfamily	[35]
Unassigned	Papillomaviridae	Firstpapillomavirinae	<i>Treisepsilompapillomavirus</i>	<i>Treisepsilompapillomavirus</i>	Assign genus and constituent species (<i>Treisepsilompapillomavirus 1</i>) to new subfamily	[35]
Unassigned	Papillomaviridae	Firstpapillomavirinae	<i>Treisetapapillomavirus</i>	<i>Treisetapapillomavirus</i>	Assign genus and constituent species (<i>Treisetapapillomavirus 1</i>) to new subfamily	[35]
Unassigned	Papillomaviridae	Firstpapillomavirinae	<i>Treiszetapapillomavirus</i>	<i>Treiszetapapillomavirus</i>	Assign genus and constituent species (<i>Treiszetapapillomavirus 1</i>) to new subfamily	[35]
Unassigned	Papillomaviridae	Firstpapillomavirinae	<i>Upsilonpapillomavirus</i>	<i>Upsilonpapillomavirus</i>	Assign genus and constituent species (<i>Upsilonpapillomavirus 1</i> , <i>Upsilonpapillomavirus 2</i> , <i>Upsilonpapillomavirus 3</i>) to new subfamily	[35]
Unassigned	Papillomaviridae	Firstpapillomavirinae	<i>Xipapillomavirus</i>	<i>Xipapillomavirus</i>	Assign genus and constituent species (<i>Xipapillomavirus 1</i> , <i>Xipapillomavirus 2</i> , <i>Xipapillomavirus 3</i>) to new subfamily	[35]

Table 2 (continued)

Order	Family	Subfamily (blank = unassigned)	Genus	Species	Taxonomic change	References
Unassigned	Papillomaviridae	Firstpapillomavirinae	Zetapapillomavirus		Assign genus and constituent species (<i>Zeta-papillomavirus 1</i>) to new subfamily	[35]
Unassigned	Papillomaviridae	Firstpapillomavirinae	Gammapapillomavirus	Gammapapillomavirus 27	New species	[35]
Unassigned	Papillomaviridae	Firstpapillomavirinae	Treisthetapapillomavirus	Treisthetapapillomavirus	New genus	[35]
Unassigned	Papillomaviridae	Firstpapillomavirinae	Treisthetapapillomavirus	Treisthetapapillomavirus 1	New (type) species	[35]
Unassigned	Papillomaviridae	Firstpapillomavirinae	Psi-papillomavirus	Psi-papillomavirus 2	New species	[35]
Unassigned	Papillomaviridae	Firstpapillomavirinae	Psi-papillomavirus	Psi-papillomavirus 3	New species	[35]
Unassigned	Papillomaviridae	Firstpapillomavirinae	Epsilon-papillomavirus	Epsilon-papillomavirus 2	New species	[35]
Unassigned	Papillomaviridae	Firstpapillomavirinae	Iota-papillomavirus	Iota-papillomavirus 2	New species	[35]
Unassigned	Papillomaviridae	Firstpapillomavirinae	Treistotapapillomavirus	Treistotapapillomavirus	New genus	[35]
Unassigned	Papillomaviridae	Firstpapillomavirinae	Treistotapapillomavirus	Treistotapapillomavirus 1	New (type) species	[35]
Unassigned	Papillomaviridae	Firstpapillomavirinae	Taupapillomavirus	Taupapillomavirus 4	New species	[35]
Unassigned	Papillomaviridae	Firstpapillomavirinae	Dyokappapapillomavirus	Dyokappapapillomavirus 3	New species	[35]
Unassigned	Papillomaviridae	Firstpapillomavirinae	Xipapillomavirus	Xipapillomavirus 4	New species	[35]
Unassigned	Papillomaviridae	Firstpapillomavirinae	Dyokappapapillomavirus	Dyokappapapillomavirus 4	New species	[35]
Unassigned	Papillomaviridae	Firstpapillomavirinae	Dyoxipapillomavirus	Dyoxipapillomavirus 2	New species	[35]
Unassigned	Papillomaviridae	Firstpapillomavirinae	Treiskappapapillomavirus	Treiskappapapillomavirus	New genus	[35]
Unassigned	Papillomaviridae	Firstpapillomavirinae	Treiskappapapillomavirus	Treiskappapapillomavirus 1	New (type) species	[35]
Unassigned	Papillomaviridae	Firstpapillomavirinae	Xipapillomavirus	Xipapillomavirus 5	New species	[35]
Unassigned	Papillomaviridae	Firstpapillomavirinae	Dyokappapapillomavirus	Dyokappapapillomavirus 5	New species	[35]
Unassigned	Papillomaviridae	Firstpapillomavirinae	Deltapapillomavirus	Deltapapillomavirus 7	New species	[35]
Unassigned	Papillomaviridae	Secundopapillomavirinae			New subfamily	[35]
Unassigned	Papillomaviridae	Secundopapillomavirinae	Alefpapillomavirus		New genus	[35]
Unassigned	Papillomaviridae	Secundopapillomavirinae	Alefpapillomavirus	Alefpapillomavirus 1	New (type) species	[35]
Unassigned	Smacoviridae				New family	[36]
Unassigned	Smacoviridae		Bovismacovirus		New genus	[36]
Unassigned	Smacoviridae		Bovismacovirus	Bovine associated bovismacovirus 1	New (type) species	[36]
Unassigned	Smacoviridae		Bovismacovirus	Bovine associated bovismacovirus 2	New species	[36]
Unassigned	Smacoviridae		Bovismacovirus	Dragonfly associated bovismacovirus 1	New species	[36]
Unassigned	Smacoviridae		Drosmacovirus		New genus	[36]
Unassigned	Smacoviridae		Drosmacovirus	Camel associated drosmacovirus 1	New (type) species	[36]
Unassigned	Smacoviridae		Drosmacovirus	Bovine associated drosmacovirus 1	New species	[36]
Unassigned	Smacoviridae		Drosmacovirus	Camel associated drosmacovirus 2	New species	[36]
Unassigned	Smacoviridae		Huchismacovirus		New genus	[36]
Unassigned	Smacoviridae		Huchismacovirus	Bovine associated huchismacovirus 1	New species	[36]
Unassigned	Smacoviridae		Huchismacovirus	Chicken associated huchismacovirus 1	New species	[36]
Unassigned	Smacoviridae		Huchismacovirus	Human associated huchismacovirus 1	New (type) species	[36]
Unassigned	Smacoviridae		Huchismacovirus	Chicken associated huchismacovirus 2	New species	[36]
Unassigned	Smacoviridae		Huchismacovirus	Human associated huchismacovirus 2	New species	[36]

Table 2 (continued)

Order	Family	Subfamily (blank = unassigned)	Genus	Species	Taxonomic change	References
Unassigned	<i>Smacoviridae</i>		<i>Huchismacovirus</i>	<i>Human associated huchismacovirus 3</i>	New species	[36]
Unassigned	<i>Smacoviridae</i>		<i>Huchismacovirus</i>	<i>Bovine associated huchismacovirus 2</i>	New species	[36]
Unassigned	<i>Smacoviridae</i>		<i>Porprismacovirus</i>		New genus	[36]
Unassigned	<i>Smacoviridae</i>		<i>Porprismacovirus</i>	<i>Camel associated porprismacovirus 1</i>	New species	[36]
Unassigned	<i>Smacoviridae</i>		<i>Porprismacovirus</i>	<i>Bovine associated porprismacovirus 1</i>	New species	[36]
Unassigned	<i>Smacoviridae</i>		<i>Porprismacovirus</i>	<i>Sheep associated porprismacovirus 2</i>	New species	[36]
Unassigned	<i>Smacoviridae</i>		<i>Porprismacovirus</i>	<i>Porcine associated porprismacovirus 10</i>	New species	[36]
Unassigned	<i>Smacoviridae</i>		<i>Porprismacovirus</i>	<i>Chimpanzee associated porprismacovirus 1</i>	New (type) species	[36]
Unassigned	<i>Smacoviridae</i>		<i>Porprismacovirus</i>	<i>Chimpanzee associated porprismacovirus 2</i>	New species	[36]
Unassigned	<i>Smacoviridae</i>		<i>Porprismacovirus</i>	<i>Human associated porprismacovirus 1</i>	New species	[36]
Unassigned	<i>Smacoviridae</i>		<i>Porprismacovirus</i>	<i>Porcine associated porprismacovirus 1</i>	New species	[36]
Unassigned	<i>Smacoviridae</i>		<i>Porprismacovirus</i>	<i>Porcine associated porprismacovirus 5</i>	New species	[36]
Unassigned	<i>Smacoviridae</i>		<i>Porprismacovirus</i>	<i>Porcine associated porprismacovirus 4</i>	New species	[36]
Unassigned	<i>Smacoviridae</i>		<i>Porprismacovirus</i>	<i>Porcine associated porprismacovirus 1</i>	New species	[36]
Unassigned	<i>Smacoviridae</i>		<i>Porprismacovirus</i>	<i>Howler monkey associated porprismacovirus 1</i>	New species	[36]
Unassigned	<i>Smacoviridae</i>		<i>Porprismacovirus</i>	<i>Human-associated porprismacovirus 2</i>	New species	[36]
Unassigned	<i>Smacoviridae</i>		<i>Porprismacovirus</i>	<i>Turkey associated porprismacovirus 1</i>	New species	[36]
Unassigned	<i>Smacoviridae</i>		<i>Porprismacovirus</i>	<i>Porcine associated porprismacovirus 8</i>	New species	[36]
Unassigned	<i>Smacoviridae</i>		<i>Porprismacovirus</i>	<i>Porcine associated porprismacovirus 6</i>	New species	[36]
Unassigned	<i>Smacoviridae</i>		<i>Porprismacovirus</i>	<i>Lemur associated porprismacovirus 1</i>	New species	[36]
Unassigned	<i>Smacoviridae</i>		<i>Porprismacovirus</i>	<i>Rat associated porprismacovirus 1</i>	New species	[36]
Unassigned	<i>Smacoviridae</i>		<i>Porprismacovirus</i>	<i>Porcine associated porprismacovirus 2</i>	New species	[36]
Unassigned	<i>Smacoviridae</i>		<i>Porprismacovirus</i>	<i>Porcine associated porprismacovirus 3</i>	New species	[36]
Unassigned	<i>Smacoviridae</i>		<i>Porprismacovirus</i>	<i>Camel associated porprismacovirus 2</i>	New species	[36]
Unassigned	<i>Smacoviridae</i>		<i>Porprismacovirus</i>	<i>Porcine associated porprismacovirus 9</i>	New species	[36]
Unassigned	<i>Smacoviridae</i>		<i>Porprismacovirus</i>	<i>Camel associated porprismacovirus 3</i>	New species	[36]
Unassigned	<i>Smacoviridae</i>		<i>Porprismacovirus</i>	<i>Camel associated porprismacovirus 4</i>	New species	[36]
Unassigned	<i>Smacoviridae</i>		<i>Porprismacovirus</i>	<i>Porcine associated porprismacovirus 7</i>	New species	[36]
Unassigned	<i>Smacoviridae</i>		<i>Porprismacovirus</i>	<i>Gorilla associated porprismacovirus 1</i>	New species	[36]
Unassigned	<i>Smacoviridae</i>		<i>Porprismacovirus</i>	<i>Sheep associated porprismacovirus 1</i>	New species	[36]
Unassigned	<i>Smacoviridae</i>		<i>Porprismacovirus</i>	<i>Sheep associated porprismacovirus 3</i>	New species	[36]
Unassigned	<i>Smacoviridae</i>		<i>Cosmacovirus</i>		New genus	[36]
Unassigned	<i>Smacoviridae</i>		<i>Cosmacovirus</i>	<i>Bovine associated cosmacovirus 1</i>	New (type) species	[36]
Unassigned	<i>Smacoviridae</i>		<i>Dragsmacovirus</i>		New genus	[36]
Unassigned	<i>Smacoviridae</i>		<i>Dragsmacovirus</i>	<i>Dragonfly associated dragsmacovirus 1</i>	New (type) species	[36]
Unassigned	<i>Smacoviridae</i>		<i>Barrachovirus</i>	<i>Ranid herpesvirus 3</i>	New species	[37]
<i>Herpesvirales</i>	<i>Alloherpesviridae</i>				New order	[38]
<i>Ortervirales</i>	<i>Belpaoviridae</i>				Assign new family proposed in ref [26]) to new order	[38]
<i>Ortervirales</i>	<i>Caulimoviridae</i>				Assign family to new order	[38]

Table 2 (continued)

Order	Family	Subfamily (blank = unassigned)	Genus	Species	Taxonomic change	References
<i>Ortervirales</i>	<i>Metaviridae</i>				Assign family to new order	[38]
<i>Ortervirales</i>	<i>Pseudoviridae</i>				Assign family to new order	[38]
<i>Ortervirales</i>	<i>Retroviridae</i>				Assign family to new order	[38]
Unassigned	<i>Adenoviridae</i>		<i>Mastadenovirus</i>	<i>Bat mastadenovirus C</i>	New species	[39]
Unassigned	<i>Adenoviridae</i>		<i>Mastadenovirus</i>	<i>Bat mastadenovirus D</i>	New species	[39]
Unassigned	<i>Adenoviridae</i>		<i>Mastadenovirus</i>	<i>Bat mastadenovirus E</i>	New species	[39]
Unassigned	<i>Adenoviridae</i>		<i>Mastadenovirus</i>	<i>Bat mastadenovirus F</i>	New species	[39]
Unassigned	<i>Adenoviridae</i>		<i>Mastadenovirus</i>	<i>Bat mastadenovirus G</i>	New species	[39]
Unassigned	<i>Adenoviridae</i>		<i>Mastadenovirus</i>	<i>Simian mastadenovirus I</i>	New species	[39]
Unassigned	<i>Adenoviridae</i>		<i>Avidenovirus</i>	<i>Psittacine avidenovirus B</i>	New species	[39]
Unassigned	<i>Adenoviridae</i>		<i>Avidenovirus</i>	<i>Pigeon avidenovirus B</i>	New species	[39]
Unassigned	<i>Hepadnaviridae</i>		Unassigned	<i>Bluegill hepatitis B virus</i>	New species	[40]
Unassigned	<i>Hepadnaviridae</i>		Unassigned	<i>Tibetan frog hepatitis B virus</i>	New species	[40]
Unassigned	<i>Adenoviridae</i>		<i>Adenovirus</i>	<i>Deer atadenovirus A</i>	New species	[41]
Unassigned	<i>Adenoviridae</i>		<i>Mastadenovirus</i>	<i>Deer mastadenovirus B</i>	New species	[41]
Unassigned	<i>Adenoviridae</i>		<i>Mastadenovirus</i>	<i>Dolphin mastadenovirus B</i>	New species	[41]
Unassigned	<i>Adenoviridae</i>		<i>Mastadenovirus</i>	<i>Squirrel mastadenovirus A</i>	New species	[41]
Unassigned	<i>Bacilladnaviridae</i>				New family	[42]
Unassigned	<i>Bacilladnaviridae</i>		<i>Protobacilladnavirus</i>		Rename genus (previous name: <i>Bacilladnavirus</i>) and assign to new family	[42]
Unassigned	<i>Bacilladnaviridae</i>		<i>Protobacilladnavirus</i>	<i>Chaetoceros protobacilladnavirus 1</i>	Rename species (previous name: <i>Chaetoceros salsigneum DNA virus 01</i>)	[42]
Unassigned	<i>Bacilladnaviridae</i>		<i>Protobacilladnavirus</i>	<i>Chaetoceros protobacilladnavirus 2</i>	New species	[42]
Unassigned	<i>Bacilladnaviridae</i>		<i>Protobacilladnavirus</i>	<i>Chaetoceros protobacilladnavirus 3</i>	New species	[42]
Unassigned	<i>Bacilladnaviridae</i>		<i>Protobacilladnavirus</i>	<i>Chaetoceros protobacilladnavirus 4</i>	New species	[42]
Unassigned	<i>Bacilladnaviridae</i>		<i>Protobacilladnavirus</i>	<i>Snail associated protobacilladnavirus 1</i>	New species	[42]
Unassigned	<i>Bacilladnaviridae</i>		<i>Protobacilladnavirus</i>	<i>Snail associated protobacilladnavirus 2</i>	New species	[42]
Unassigned	<i>Bacilladnaviridae</i>		<i>Protobacilladnavirus</i>	<i>Marine protobacilladnavirus 1</i>	New species	[42]
Unassigned	<i>Bacilladnaviridae</i>		<i>Diatodnavirus</i>		Newgenus	[42]
Unassigned	<i>Bacilladnaviridae</i>		<i>Diatodnavirus</i>	<i>Chaetoceros diatodnavirus 1</i>	New (type) species	[42]
Unassigned	<i>Bacilladnaviridae</i>		<i>Kieseladnavirus</i>		New genus	[42]
Unassigned	<i>Bacilladnaviridae</i>		<i>Kieseladnavirus</i>	<i>Avon-Heathcote Estuary associated kieseladnavirus</i>	New (type) species	[42]
Unassigned	<i>Inoviridae</i>		<i>Plectrovirus</i>	<i>Acholeplasma virus L51</i>	Rename species (previous name: <i>Acholeplasma virus MV-L51</i>)	[43]
Unassigned	<i>Arenaviridae</i>		<i>Mammarenavirus</i>	<i>Serra do Navio mammarenavirus</i>	Rename species (previous name: <i>Amapari mammarenavirus</i>)	[43]
Unassigned	<i>Luteoviridae</i>		Unassigned	<i>Barley yellow dwarf virus GPV</i>	Rename species (previous name: <i>Barley yellow dwarf virus-GPY</i>)	[43]
Unassigned	<i>Luteoviridae</i>		<i>Luteovirus</i>	<i>Barley yellow dwarf virus kerII</i>	Rename species (previous name: <i>Barley yellow dwarf virus-kerII</i>)	[43]

Table 2 (continued)

Order	Family	Subfamily (blank = unassigned)	Genus	Species	Taxonomic change	References
Unassigned	Luteoviridae		Luteovirus	Barley yellow dwarf virus <i>kerlII</i>	Rename species (previous name: <i>Barley yellow dwarf virus-kerIII</i>)	[43]
Unassigned	Luteoviridae		Luteovirus	Barley yellow dwarf virus MAV	Rename species (previous name: <i>Barley yellow dwarf virus-MAV</i>)	[43]
Unassigned	Luteoviridae		Luteovirus	Barley yellow dwarf virus PAS	Rename species (previous name: <i>Barley yellow dwarf virus-PAS</i>)	[43]
Unassigned	Luteoviridae		Luteovirus	Barley yellow dwarf virus PAV	Rename species (previous name: <i>Barley yellow dwarf virus-PAV</i>)	[43]
Unassigned	Luteoviridae		Unassigned	Barley yellow dwarf virus SCV	Rename species (previous name: <i>Barley yellow dwarf virus-SGV</i>)	[43]
Unassigned	Luteoviridae		Polerovirus	Cereal yellow dwarf virus RPS	Rename species (previous name: <i>Barley yellow dwarf virus-RPS</i>)	[43]
Unassigned	Luteoviridae		Polerovirus	Cereal yellow dwarf virus RPV	Rename species (previous name: <i>Barley yellow dwarf virus-RPV</i>)	[43]
Picornavirales	Unassigned		Bacillarnavirus	Chaetoceros socialis forma radians RNA virus I	Rename species (previous name: <i>Chaetoceros socialis.f. radians RNA virus O1</i>)	[43]
Unassigned	Polydnaviridae		Bracovirus	<i>Chelonus near curvumaculatus bracovirus</i>	Rename species (previous name: <i>Chelonus nr. curvumaculatus bracovirus</i>)	[43]
Nidovirales	Arteriviridae		Simartevirus	<i>DeBrazza monkey arterivirus</i>	Rename species (previous name: <i>DeBrazza's monkey arterivirus</i>)	[43]
Unassigned	Metaviridae		Errantivirus	<i>Drosophila melanogaster 17-6 virus</i>	Rename species (previous name: <i>Drosophila melanogaster 17.6 virus</i>)	[43]
Unassigned	Paritiviridae		Unassigned	<i>Gaeumannomyces graminis virus O196A</i>	Rename species (previous name: <i>Gaeumannomyces graminis virus O19/6-A</i>)	[43]
Unassigned	Paritiviridae		Unassigned	<i>Gaeumannomyces graminis virus T1A</i>	Rename species (previous name: <i>Gaeumannomyces graminis virus T1-A</i>)	[43]
Picornavirales	Dicistroviridae		Triatovirus	<i>Homalodisca coagulata virus 1</i>	Rename species (previous name: <i>Homalodisca coagulata virus-1</i>)	[43]
unassigned	Arenaviridae		Mammarenavirus	<i>Argentinian mammarenavirus</i>	Rename species (previous name: <i>Junin mammarenavirus</i>)	[43]
Tymovirales	Betaflexiviridae		Carlavirus	<i>Kalanchoe latent virus</i>	Rename species (previous name: <i>Kalanchoë latent virus</i>)	[43]
Unassigned	Potyviridae		Potyvirus	<i>Kalanchoe mosaic virus</i>	Rename species (previous name: <i>Kalanchoë mosaic virus</i>)	[43]
Unassigned	Caulimoviridae		Badnavirus	<i>Kalanchoe top-spotting virus</i>	Rename species (previous name: <i>Kalanchoë top-spotting virus</i>)	[43]
Unassigned	Luteoviridae		Polerovirus	<i>Maize yellow dwarf virus RMV</i>	Rename species (previous name: <i>Maize yellow dwarf virus-RMV</i>)	[43]
Unassigned	Poxviridae	Entomopoxvirinae	Unassigned	<i>Melanoplus sanguinipes entomopoxvirus</i>	Rename species (previous name: <i>Melanoplus sanguinipes entomopoxvirus 'O'</i>)	[43]
Unassigned	Caliciviridae		Nebovirus	<i>Newbury 1 virus</i>	Rename species (previous name: <i>Newbury-1 virus</i>)	[43]
Unassigned	Togaviridae		Alphavirus	<i>Ohyong-nyong virus</i>	Rename species (previous name: <i>O'nyong-nyong virus</i>)	[43]

Table 2 (continued)

Order	Family	Subfamily (blank = unassigned)	Genus	Species	Taxonomic change	References
Unassigned	Arenaviridae		Mammarenavirus	Paraguayan mammarenavirus	Rename species (previous name: <i>Paraná mammarenavirus</i>)	[43]
Unassigned	Chrysoviridae		Chrysovirus	<i>Penicillium cyaneofulvum</i> virus	Rename species (previous name: <i>Penicillium cyaneofulvum</i> virus)	[43]
Unassigned	Arenaviridae		Mammarenavirus	<i>Cali mammarenavirus</i>	Rename species (previous name: <i>Pichindé mammarenavirus</i>)	[43]
Unassigned	Arenaviridae		Mammarenavirus	Brazilian mammarenavirus	Rename species (previous name: <i>Sabiá mammarenavirus</i>)	[43]
Unassigned	Totiviridae		Totivirus	<i>Saccharomyces cerevisiae</i> virus LBCLa	Rename species (previous name: <i>Saccharomyces cerevisiae</i> virus L-BC (La))	[43]
Unassigned	Virgaviridae		Tobamovirus	<i>Opuntia chlorotic ringspot</i> virus	Rename species (previous name: <i>Sommons s Opuntia virus</i>)	[43]
Tymovirales	Betaflexiviridae	Quinvirinae	Carlavirus	<i>Sint-Jan onion latent</i> virus	Rename species (previous name: <i>Sint-Jan's onion latent virus</i>)	[43]
Picornavirales	Dicistroviridae		Aparavirus	<i>Solenopsis invicta</i> virus 1	Rename species (previous name: <i>Solenopsis invicta</i> virus-1)	[43]
unassigned	Flaviviridae		Flavivirus	<i>Saint Louis encephalitis</i> virus	Rename species (previous name: <i>St. Louis encephalitis virus</i>)	[43]
Mononegavirales	Filoviridae		Ebolavirus	<i>Tai Forest ebolavirus</i>	Rename species (previous name: <i>Tai Forest ebolavirus</i>)	[43]
Unassigned	Pseudoviridae		Pseudovirus	<i>Triticum aestivum</i> WIS2 virus	Rename species (previous name: <i>Triticum aestivum</i> WIS-2 virus)	[43]
Picornavirales	Iflaviridae		Iflavirus	<i>Varroa destructor</i> virus 1	Rename species (previous name: <i>Varroa destructor virus-1</i>)	[43]
Unassigned	Retroviridae	Orthoretrovirinae	Lentivirus	<i>Visna-maedi</i> virus	Rename species (previous name: <i>Visna/maedi virus</i>)	[43]
Unassigned	Potyviridae		Tritimovirus	<i>Yellow oat grass mosaic</i> virus	Rename species (previous name: <i>Yellow oat-grass mosaic virus</i>)	[43]
Unassigned	Pseudoviridae		Sirevirus	<i>Zea mays</i> <i>Optie2</i> virus	Rename species (previous name: <i>Zea mays Optie-2 virus</i>)	[43]
Unassigned	Pseudoviridae		Sirevirus	<i>Zea mays</i> <i>Prem2</i> virus	Rename species (previous name: <i>Zea mays Prem-2 virus</i>)	[43]
Unassigned	Pseudoviridae		Pseudovirus	<i>Zea mays</i> <i>Sto4</i> virus	Rename species (previous name: <i>Zea mays Sto-4 virus</i>)	[43]
Unassigned	Arenaviridae		Hartmanivirus		See TP List for proposed change to ICVCN	[44]
Unassigned	Arenaviridae		Hartmanivirus	Hartman hartmanivirus	New genus	[45]
Unassigned	Arenaviridae		Mammarenavirus	Ryukyu mammarenavirus	New (type) species	[45]
Unassigned	Arenaviridae		Mammarenavirus	Souris mammarenavirus	New species	[46]
Unassigned	Bornaviridae		Orthobornavirus	<i>Elapid 1 orthobornavirus</i>	New species	[47]
Mononegavirales	Bornaviridae		Orthobornavirus		Rename genus	[48]
Mononegavirales	Bornaviridae		Orthobornavirus		Rename species (previous name: <i>Elapid 1 bornavirus</i>)	[48]
Mononegavirales	Bornaviridae		Orthobornavirus	<i>Mammalian 1 orthobornavirus</i>	Rename species (previous name: <i>Mammalian 1 bornavirus</i>)	[48]

Table 2 (continued)

Order	Family	Subfamily (blank = unassigned)	Genus	Species	Taxonomic change	References
Mononegavirales	Bornaviridae		Orthobornavirus	Mammalian 2 orthobornavirus	Rename species (previous name: <i>Mammalian 2 bornavirus</i>)	[48]
Mononegavirales	Bornaviridae		Orthobornavirus	Passeriform 1 orthobornavirus	Rename species (previous name: <i>Passeriform 1 bornavirus</i>)	[48]
Mononegavirales	Bornaviridae		Orthobornavirus	Passeriform 2 orthobornavirus	Rename species (previous name: <i>Passeriform 2 bornavirus</i>)	[48]
Mononegavirales	Bornaviridae		Orthobornavirus	Psittaciform 1 orthobornavirus	Rename species (previous name: <i>Psittaciform 1 bornavirus</i>)	[48]
Mononegavirales	Bornaviridae		Orthobornavirus	Psittaciform 2 orthobornavirus	Rename species (previous name: <i>Psittaciform 2 bornavirus</i>)	[48]
Mononegavirales	Bornaviridae		Orthobornavirus	Waterbird 1 orthobornavirus	Rename species (previous name: <i>Waterbird 1 bornavirus</i>)	[48]
Mononegavirales	Bornaviridae		Carbovirus		New genus	[49]
Mononegavirales	Bornaviridae		Carbovirus	<i>Queenstand carbovirus</i>	New (type) species	[49]
Mononegavirales	Bornaviridae		Carbovirus	<i>Southwest carbovirus</i>	New species	[49]
Bunyavirales	Peribunyaviridae		Orthobunyavirus	<i>Wolkberg orthobunyavirus</i>	New species	[50]
Bunyavirales	Nairoviridae		Orthonaivirus	<i>Artasbat orthonaivirus</i>	New species	[51]
Bunyavirales	Nairoviridae		Orthonaivirus	<i>Tandy orthonaivirus</i>	Rename species (previous name: <i>Burana orthonaivirus</i>)	[51]
Bunyavirales	Nairoviridae		Orthonaivirus	<i>Chin orthonaivirus</i>	New species	[51]
Mononegavirales	Rhabdoviridae		Ledantevirus	<i>Kanyawara ledantevirus</i>	New species	[52]
Mononegavirales	Paramyxoviridae		Avulavirus	<i>Avian avulavirus 14</i>	New species	[53]
Mononegavirales	Paramyxoviridae		Avulavirus	<i>Avian avulavirus 15</i>	New species	[53]
Mononegavirales	Paramyxoviridae		Avulavirus	<i>Avian avulavirus 16</i>	New species	[53]
Mononegavirales	Paramyxoviridae		Avulavirus	<i>Avian avulavirus 17</i>	New species	[53]
Mononegavirales	Paramyxoviridae		Avulavirus	<i>Avian avulavirus 18</i>	New species	[53]
Mononegavirales	Paramyxoviridae		Avulavirus	<i>Avian avulavirus 19</i>	New species	[53]
Unassigned	Orthomyxoviridae		Alphainfluenzavirus		Rename genus (previous name: <i>Influenzavirus A</i>)	[54]
Unassigned	Orthomyxoviridae		Betainfluenzavirus		Rename genus (previous name: <i>Influenzavirus B</i>)	[54]
Unassigned	Orthomyxoviridae		Gammainfluenzavirus		Rename genus (previous name: <i>Influenzavirus C</i>)	[54]
Unassigned	Orthomyxoviridae		Deltainfluenzavirus		Rename genus (previous name: <i>Influenzavirus D</i>)	[54]
Unassigned	Orthomyxoviridae		Isavirus	<i>Salmon isavirus</i>	Rename species (previous name: <i>Infectious salmon anemia virus</i>)	[54]
Unassigned	Orthomyxoviridae		Quararjavirus	<i>Johnston Atoll quararjavirus</i>	Rename species (previous name: <i>Johnston Atoll virus</i>)	[54]
Unassigned	Orthomyxoviridae		Quararjavirus	<i>Quararjfl quararjavirus</i>	Rename species (previous name: <i>Quararjfl virus</i>)	[54]
Unassigned	Orthomyxoviridae		Thogotovirus	<i>Dhori thogotovirus</i>	Rename species (previous name: <i>Dhori virus</i>)	[54]

Table 2 (continued)

Order	Family	Subfamily (blank = unassigned)	Genus	Species	Taxonomic change	References
Unassigned	Orthomyxoviridae		<i>Thogotovirus</i>	<i>Thogoto thogotovirus</i>	Rename species (previous name: <i>Thogoto virus</i>)	[54]
Mononegavirales	Rhabdoviridae		<i>Lyssavirus</i>	<i>Gannoruwa bat lyssavirus</i>	New species	[55]
Mononegavirales	Rhabdoviridae		<i>Lyssavirus</i>	<i>Lleida bat lyssavirus</i>	New species	[56]
Unassigned	Arenaviridae		<i>Reptarenavirus</i>	<i>Golden reptarenavirus</i>	Rename species (previous name: <i>Alethinophilid 1 reptarenavirus</i>)	[57]
Unassigned	Arenaviridae		<i>Reptarenavirus</i>	<i>California reptarenavirus</i>	Rename species (previous name: <i>Alethinophilid 2 reptarenavirus</i>)	[57]
Unassigned	Arenaviridae		<i>Reptarenavirus</i>	<i>Rotterdam reptarenavirus</i>	Rename species (previous name: <i>Alethinophilid 3 reptarenavirus</i>)	[57]
Unassigned	Arenaviridae		<i>Reptarenavirus</i>	<i>Ordinary reptarenavirus</i>	New species	[57]
Unassigned	Arenaviridae		<i>Reptarenavirus</i>	<i>Giessen reptarenavirus</i>	New species	[57]
Unassigned	Reoviridae	Spinareovirinae	<i>Orthoreovirus</i>	<i>Mahlapitsi orthoreovirus</i>	New species	[58]
Mononegavirales	Rhabdoviridae		<i>Tibrovirus</i>	<i>Beatrice Hill tibrovirus</i>	New species	[59]
Unassigned	Potyviridae		<i>Roymovirus</i>		New genus	[60]
Unassigned	Potyviridae		<i>Roymovirus</i>	<i>Rose yellow mosaic virus</i>	Species assigned as type species of new genus	[60]
Unassigned	Potyviridae		<i>Bevemovirus</i>		New genus	[60]
Unassigned	Potyviridae		<i>Bevemovirus</i>	<i>Bellflower veinial mottle virus</i>	New (type) species	[60]
Unassigned	Aspiviridae				Rename family (previous name: <i>Ophiioviridae</i>)	[61]
Unassigned	Aspiviridae		<i>Ophiiovirus</i>	<i>Blueberry mosaic associated ophiiovirus</i>	Rename species (previous name: <i>Blueberry mosaic associated virus</i>)	[61]
Unassigned	Aspiviridae		<i>Ophiiovirus</i>	<i>Citrus psorosis ophiiovirus</i>	Rename species (previous name: <i>Citrus psorosis virus</i>)	[61]
Unassigned	Aspiviridae		<i>Ophiiovirus</i>	<i>Freesia sneak ophiiovirus</i>	Rename species (previous name: <i>Freesia sneak virus</i>)	[61]
Unassigned	Aspiviridae		<i>Ophiiovirus</i>	<i>Lettuce ring necrosis ophiiovirus</i>	Rename species (previous name: <i>Lettuce ring necrosis virus</i>)	[61]
Unassigned	Aspiviridae		<i>Ophiiovirus</i>	<i>Mirafiori lettuce big-vein ophiiovirus</i>	Rename species (previous name: <i>Mirafiori lettuce big-vein virus</i>)	[61]
Unassigned	Aspiviridae		<i>Ophiiovirus</i>	<i>Ranunculus white mottle ophiiovirus</i>	Rename species (previous name: <i>Ranunculus white mottle virus</i>)	[61]
Unassigned	Aspiviridae		<i>Ophiiovirus</i>	<i>Tulip mild mottle mosaic ophiiovirus</i>	Rename species (previous name: <i>Tulip mild mottle mosaic virus</i>)	[61]
Unassigned	<i>Solemoviridae</i>		<i>Sobemovirus</i>		New family	[62]
Unassigned	<i>Solemoviridae</i>		<i>Sobemovirus</i>		Assign genus (and constituent species) to new family	[62]
Unassigned	<i>Solemoviridae</i>		<i>Polemovirus</i>		Assign genus (and constituent species) to new family	[62]
Unassigned	<i>Alphasatellitidae</i>				New family	[63]
Unassigned	<i>Alphasatellitidae</i>				New subfamily	[63]
Unassigned	<i>Alphasatellitidae</i>				New genus	[63]

Table 2 (continued)

Order	Family	Subfamily (blank = unassigned)	Genus	Species	Taxonomic change	References
Unassigned	Alphasetellitidae		<i>Geminiaalphasetellitinae</i>	<i>Ageratum yellow vein Singapore alphasetellite</i>	New (type) species	[63]
Unassigned	Alphasetellitidae		<i>Geminiaalphasetellitinae</i>	<i>Cotton leaf curl Saudi Arabia alphasetellite</i>	New species	[63]
Unassigned	Alphasetellitidae		<i>Geminiaalphasetellitinae</i>	<i>Cleome leaf crumple alphasetellite</i>	New genus	[63]
Unassigned	Alphasetellitidae		<i>Geminiaalphasetellitinae</i>	<i>Croton yellow vein mosaic alphasetellite</i>	New (type) species	[63]
Unassigned	Alphasetellitidae		<i>Geminiaalphasetellitinae</i>	<i>Euphorbia yellow mosaic alphasetellite</i>	New species	[63]
Unassigned	Alphasetellitidae		<i>Geminiaalphasetellitinae</i>	<i>Tomato yellow spot alphasetellite</i>	New species	[63]
Unassigned	Alphasetellitidae		<i>Geminiaalphasetellitinae</i>	<i>Melon chlorotic mosaic alphasetellite</i>	New species	[63]
Unassigned	Alphasetellitidae		<i>Geminiaalphasetellitinae</i>	<i>Sida Cuba alphasetellite</i>	New species	[63]
Unassigned	Alphasetellitidae		<i>Geminiaalphasetellitinae</i>	<i>Whitefly associated Guatemala alphasetellite 2</i>	New species	[63]
Unassigned	Alphasetellitidae		<i>Geminiaalphasetellitinae</i>	<i>Whitefly associated Puerto Rico alphasetellite 1</i>	New species	[63]
Unassigned	Alphasetellitidae		<i>Geminiaalphasetellitinae</i>	<i>Ageratum enation alphasetellite</i>	New genus	[63]
Unassigned	Alphasetellitidae		<i>Geminiaalphasetellitinae</i>	<i>Ageratum yellow vein alphasetellite</i>	New species	[63]
Unassigned	Alphasetellitidae		<i>Geminiaalphasetellitinae</i>	<i>Ageratum yellow vein China alphasetellite</i>	New species	[63]
Unassigned	Alphasetellitidae		<i>Geminiaalphasetellitinae</i>	<i>Ageratum yellow vein India alphasetellite</i>	New species	[63]
Unassigned	Alphasetellitidae		<i>Geminiaalphasetellitinae</i>	<i>Bhendi yellow vein alphasetellite</i>	New species	[63]
Unassigned	Alphasetellitidae		<i>Geminiaalphasetellitinae</i>	<i>Cassava mosaic Madagascar alphasetellite</i>	New species	[63]
Unassigned	Alphasetellitidae		<i>Geminiaalphasetellitinae</i>	<i>Chilli leaf curl alphasetellite</i>	New species	[63]
Unassigned	Alphasetellitidae		<i>Geminiaalphasetellitinae</i>	<i>Cotton leaf curl Egypt alphasetellite</i>	New species	[63]
Unassigned	Alphasetellitidae		<i>Geminiaalphasetellitinae</i>	<i>Cotton leaf curl Gezira alphasetellite</i>	New species	[63]
Unassigned	Alphasetellitidae		<i>Geminiaalphasetellitinae</i>	<i>Cotton leaf curl Multan alphasetellite</i>	New (type) species	[63]
Unassigned	Alphasetellitidae		<i>Geminiaalphasetellitinae</i>	<i>Cotton leaf curl Lucknow alphasetellite</i>	New species	[63]
Unassigned	Alphasetellitidae		<i>Geminiaalphasetellitinae</i>	<i>Gossypium darwinii symptomless alphasetellite</i>	New species	[63]
Unassigned	Alphasetellitidae		<i>Geminiaalphasetellitinae</i>	<i>Maize yellow mosaic Cameroon alphasetellite</i>	New species	[63]
Unassigned	Alphasetellitidae		<i>Geminiaalphasetellitinae</i>	<i>Maize yellow mosaic alphasetellite</i>	New species	[63]
Unassigned	Alphasetellitidae		<i>Geminiaalphasetellitinae</i>	<i>Pedicularis leaf curl alphasetellite</i>	New species	[63]
Unassigned	Alphasetellitidae		<i>Geminiaalphasetellitinae</i>	<i>Sida leaf curl alphasetellite</i>	New species	[63]
Unassigned	Alphasetellitidae		<i>Geminiaalphasetellitinae</i>	<i>Sida yellow vein Vietnam alphasetellite</i>	New species	[63]
Unassigned	Alphasetellitidae		<i>Geminiaalphasetellitinae</i>	<i>Sunflower leaf curl Karnataka alphasetellite</i>	New species	[63]
Unassigned	Alphasetellitidae		<i>Geminiaalphasetellitinae</i>	<i>Synedrella leaf curl alphasetellite</i>	New species	[63]
Unassigned	Alphasetellitidae		<i>Geminiaalphasetellitinae</i>	<i>Tobacco curly shoot alphasetellite</i>	New species	[63]
Unassigned	Alphasetellitidae		<i>Geminiaalphasetellitinae</i>	<i>Tomato leaf curl Buea alphasetellite</i>	New species	[63]
Unassigned	Alphasetellitidae		<i>Geminiaalphasetellitinae</i>	<i>Tomato leaf curl Cameroon alphasetellite</i>	New species	[63]
Unassigned	Alphasetellitidae		<i>Geminiaalphasetellitinae</i>	<i>Tomato yellow leaf curl Thailand alphasetellite</i>	New species	[63]
Unassigned	Alphasetellitidae		<i>Geminiaalphasetellitinae</i>	<i>Tomato yellow leaf curl China alphasetellite</i>	New species	[63]
Unassigned	Alphasetellitidae		<i>Geminiaalphasetellitinae</i>	<i>Tomato yellow leaf curl Yunnan alphasetellite</i>	New species	[63]
Unassigned	Alphasetellitidae		<i>Geminiaalphasetellitinae</i>	<i>Gossypium mustelinum symptomless alphasetellite</i>	New genus	[63]
Unassigned	Alphasetellitidae		<i>Geminiaalphasetellitinae</i>	<i>Gossypium mustelinum symptomless alphasetellite</i>	New (type) species	[63]

Table 2 (continued)

Order	Family	Subfamily (blank = unassigned)	Genus	Species	Taxonomic change	References
Unassigned	Alphasatellitidae	Geminiaphasatellitinae	Gosmusatellite	Hollyhock yellow vein alphasatellite	New species	[63]
Unassigned	Alphasatellitidae	Geminiaphasatellitinae	Gosmusatellite	Mesta yellow vein mosaic alphasatellite	New species	[63]
Unassigned	Alphasatellitidae	Geminiaphasatellitinae	Gosmusatellite	Okra enation leaf curl alphasatellite	New species	[63]
Unassigned	Alphasatellitidae	Geminiaphasatellitinae	Gosmusatellite	Okra yellow crinkle Cameroon alphasatellite	New species	[63]
Unassigned	Alphasatellitidae	Geminiaphasatellitinae	Gosmusatellite	Yernonia yellow vein Fujian alphasatellite	New species	[63]
Unassigned	Alphasatellitidae	Geminiaphasatellitinae	Unassigned	Whitefly associated Guetamada alphasatellite 1	New species	[63]
Unassigned	Alphasatellitidae	Geminiaphasatellitinae	Unassigned	Dragonfly associated alphasatellite	New species	[63]
Unassigned	Alphasatellitidae	Nanoalphasatellitinae	Babusatellite		New subfamily	[63]
Unassigned	Alphasatellitidae	Nanoalphasatellitinae	Babusatellite	Banana bunchy top alphasatellite 3	New genus	[63]
Unassigned	Alphasatellitidae	Nanoalphasatellitinae	Babusatellite	Banana bunchy top alphasatellite 1	New species	[63]
Unassigned	Alphasatellitidae	Nanoalphasatellitinae	Babusatellite	Banana bunchy top alphasatellite 2	New (type) species	[63]
Unassigned	Alphasatellitidae	Nanoalphasatellitinae	Babusatellite	Banana bunchy top alphasatellite 2	New species	[63]
Unassigned	Alphasatellitidae	Nanoalphasatellitinae	Babusatellite	Cardamom bushy dwarf alphasatellite	New species	[63]
Unassigned	Alphasatellitidae	Nanoalphasatellitinae	Fabensatellite		New genus	[63]
Unassigned	Alphasatellitidae	Nanoalphasatellitinae	Fabensatellite	Faba bean necrotic yellows alphasatellite 2	New (type) species	[63]
Unassigned	Alphasatellitidae	Nanoalphasatellitinae	Milvetsatellite		New (type) species	[63]
Unassigned	Alphasatellitidae	Nanoalphasatellitinae	Milvetsatellite	Milk vetch dwarf alphasatellite 3	New genus	[63]
Unassigned	Alphasatellitidae	Nanoalphasatellitinae	Clostunsatellite		New genus	[63]
Unassigned	Alphasatellitidae	Nanoalphasatellitinae	Clostunsatellite	Milk vetch dwarf alphasatellite 2	New species	[63]
Unassigned	Alphasatellitidae	Nanoalphasatellitinae	Clostunsatellite	Pea necrotic yellow dwarf alphasatellite 2	New species	[63]
Unassigned	Alphasatellitidae	Nanoalphasatellitinae	Clostunsatellite	Sophora yellow stunt alphasatellite 5	New species	[63]
Unassigned	Alphasatellitidae	Nanoalphasatellitinae	Clostunsatellite	Sophora yellow stunt alphasatellite 4	New species	[63]
Unassigned	Alphasatellitidae	Nanoalphasatellitinae	Clostunsatellite	Subterranean clover stunt alphasatellite 2	New (type) species	[63]
Unassigned	Alphasatellitidae	Nanoalphasatellitinae	Mivedwarsatellite		New genus	[63]
Unassigned	Alphasatellitidae	Nanoalphasatellitinae	Mivedwarsatellite	Milk vetch dwarf alphasatellite 1	New (type) species	[63]
Unassigned	Alphasatellitidae	Nanoalphasatellitinae	Mivedwarsatellite	Pea necrotic yellow dwarf alphasatellite 1	New (type) species	[63]
Unassigned	Alphasatellitidae	Nanoalphasatellitinae	Mivedwarsatellite	Sophora yellow stunt alphasatellite 2	New species	[63]
Unassigned	Alphasatellitidae	Nanoalphasatellitinae	Mivedwarsatellite	Faba bean necrotic stunt alphasatellite	New species	[63]
Unassigned	Alphasatellitidae	Nanoalphasatellitinae	Mivedwarsatellite	Faba bean necrotic yellows alphasatellite 1	New species	[63]
Unassigned	Alphasatellitidae	Nanoalphasatellitinae	Subclovsatellite		New species	[63]
Unassigned	Alphasatellitidae	Nanoalphasatellitinae	Subclovsatellite	Sophora yellow stunt alphasatellite 1	New genus	[63]
Unassigned	Alphasatellitidae	Nanoalphasatellitinae	Subclovsatellite	Subterranean clover stunt alphasatellite 1	New species	[63]
Unassigned	Alphasatellitidae	Nanoalphasatellitinae	Subclovsatellite	Subterranean clover stunt alphasatellite 1	New (type) species	[63]
Unassigned	Alphasatellitidae	Nanoalphasatellitinae	Sophoyesatellite		New genus	[63]
Unassigned	Alphasatellitidae	Nanoalphasatellitinae	Sophoyesatellite	Sophora yellow stunt alphasatellite 3	New (type) species	[66]
Unassigned	Alphasatellitidae	Unassigned	Unassigned	Coconut foliar decay alphasatellite	New species	[63]
Picornavirales	Secoviridae	Comovirinae	Fabovirus	Grapevine fabavirus	New species	[64]
Picornavirales	Secoviridae	Comovirinae	Fabovirus	Prunus virus F	New species	[64]
Picornavirales	Secoviridae	Comovirinae	Nepovirus	Potato virus B	New species	[64]
Picornavirales	Secoviridae	Comovirinae	Nepovirus	Soybean latent spherical virus	New species	[64]

Table 2 (continued)

Order	Family	Subfamily (blank = unassigned)	Genus	Species	Taxonomic change	References
Picornavirales	Secoviridae		unassigned	<i>Dioscorea mosaic associated virus</i>	New species	[64]
Unassigned	Potyviridae		<i>Ipomovirus</i>	<i>Coccinia mottle virus</i>	New species	[65]
Unassigned	Potyviridae		<i>Potyvirus</i>	<i>Barbacena virus Y</i>	New species	[65]
Unassigned	Potyviridae		<i>Potyvirus</i>	<i>Callistephus mottle virus</i>	New species	[65]
Unassigned	Potyviridae		<i>Potyvirus</i>	<i>Daphne virus Y</i>	New species	[65]
Unassigned	Potyviridae		<i>Potyvirus</i>	<i>Impatiens flower break virus</i>	New species	[65]
Unassigned	Potyviridae		<i>Potyvirus</i>	<i>Pecan mosaic-associated virus</i>	New species	[65]
Unassigned	Potyviridae		<i>Potyvirus</i>	<i>Sunflower ring blotch virus</i>	New species	[65]
Unassigned	Potyviridae		<i>Potyvirus</i>	<i>Tobacco mosqueado virus</i>	New species	[65]
Unassigned	Potyviridae		<i>Potyvirus</i>	<i>Wild onion symptomless virus</i>	New species	[65]
Unassigned	Geminiviridae		<i>Mastrevirus</i>	<i>Chickpea yellow dwarf virus</i>	New species	[66]
Unassigned	Geminiviridae		<i>Mastrevirus</i>	<i>Dragonfly-associated mastrevirus</i>	New species	[66]
Unassigned	Geminiviridae		<i>Mastrevirus</i>	<i>Sugarcane striate virus</i>	New species	[66]
Unassigned	Geminiviridae		<i>Mastrevirus</i>	<i>Sweet potato symptomless virus I</i>	New species	[66]
Unassigned	Geminiviridae		<i>Mastrevirus</i>	<i>Sugarcane chlorotic streak virus</i>	New species	[66]
Unassigned	Geminiviridae		<i>Turncurtovirus</i>	<i>Turnip leaf roll virus</i>	New species	[67]
Unassigned	Geminiviridae		<i>Begomovirus</i>	<i>Allamanda leaf mottle distortion virus</i>	New species	[68]
Unassigned	Geminiviridae		<i>Begomovirus</i>	<i>Andrographis yellow vein leaf curl virus</i>	New species	[68]
Unassigned	Geminiviridae		<i>Begomovirus</i>	<i>Asystasia mosaic Madagascar virus</i>	New species	[68]
Unassigned	Geminiviridae		<i>Begomovirus</i>	<i>Bean white chlorosis mosaic virus</i>	New species	[68]
Unassigned	Geminiviridae		<i>Begomovirus</i>	<i>Cnidocolus mosaic leaf deformation virus</i>	New species	[68]
Unassigned	Geminiviridae		<i>Begomovirus</i>	<i>Coccinia mosaic Tamil Nadu virus</i>	New species	[68]
Unassigned	Geminiviridae		<i>Begomovirus</i>	<i>Common bean mottle virus</i>	New species	[68]
Unassigned	Geminiviridae		<i>Begomovirus</i>	<i>Common bean severe mosaic virus</i>	New species	[68]
Unassigned	Geminiviridae		<i>Begomovirus</i>	<i>Cotton leaf curl Barasat virus</i>	New species	[68]
Unassigned	Geminiviridae		<i>Begomovirus</i>	<i>Cotton yellow mosaic virus</i>	New species	[68]
Unassigned	Geminiviridae		<i>Begomovirus</i>	<i>Deinbollia mosaic virus</i>	New species	[68]
Unassigned	Geminiviridae		<i>Begomovirus</i>	<i>Desmodium mottle virus</i>	New species	[68]
Unassigned	Geminiviridae		<i>Begomovirus</i>	<i>Duranta leaf curl virus</i>	New species	[68]
Unassigned	Geminiviridae		<i>Begomovirus</i>	<i>Euphorbia mosaic Peru virus</i>	New species	[68]
Unassigned	Geminiviridae		<i>Begomovirus</i>	<i>Euphorbia yellow leaf curl virus</i>	New species	[68]
Unassigned	Geminiviridae		<i>Begomovirus</i>	<i>Hollyhock yellow vein mosaic virus</i>	New species	[68]
Unassigned	Geminiviridae		<i>Begomovirus</i>	<i>Jacquemontia yellow mosaic virus</i>	New species	[68]
Unassigned	Geminiviridae		<i>Begomovirus</i>	<i>Jatropha leaf curl Gujarat virus</i>	New species	[68]
Unassigned	Geminiviridae		<i>Begomovirus</i>	<i>Jatropha leaf yellow mosaic virus</i>	New species	[71]
Unassigned	Geminiviridae		<i>Begomovirus</i>	<i>Listanthus enation leaf curl virus</i>	New species	[68]
Unassigned	Geminiviridae		<i>Begomovirus</i>	<i>Lycianthes yellow mosaic virus</i>	New species	[68]
Unassigned	Geminiviridae		<i>Begomovirus</i>	<i>Macropitium bright mosaic virus</i>	New species	[68]
Unassigned	Geminiviridae		<i>Begomovirus</i>	<i>Macropitium common mosaic virus</i>	New species	[68]

Table 2 (continued)

Order	Family	Subfamily (blank = unassigned)	Genus	Species	Taxonomic change	References
Unassigned	Geminiviridae		Begomovirus	<i>Malvastrum bright yellow mosaic virus</i>	New species	[68]
Unassigned	Geminiviridae		Begomovirus	<i>Malvastrum yellow vein Cambodia virus</i>	New species	[68]
Unassigned	Geminiviridae		Begomovirus	<i>Melochia mosaic virus</i>	New species	[68]
Unassigned	Geminiviridae		Begomovirus	<i>Melochia yellow mosaic virus</i>	New species	[68]
Unassigned	Geminiviridae		Begomovirus	<i>Mirabilis leaf curl virus</i>	New species	[68]
Unassigned	Geminiviridae		Begomovirus	<i>Okra leaf curl Oman virus</i>	New species	[68]
Unassigned	Geminiviridae		Begomovirus	<i>Oxalis yellow vein virus</i>	New species	[68]
Unassigned	Geminiviridae		Begomovirus	<i>Passionfruit leaf distortion virus</i>	New species	[68]
Unassigned	Geminiviridae		Begomovirus	<i>Pavonia mosaic virus</i>	New species	[68]
Unassigned	Geminiviridae		Begomovirus	<i>Pavonia yellow mosaic virus</i>	New species	[68]
Unassigned	Geminiviridae		Begomovirus	<i>Pea leaf distortion virus</i>	New species	[68]
Unassigned	Geminiviridae		Begomovirus	<i>Pepper yellow leaf curl Thailand virus</i>	New species	[68]
Unassigned	Geminiviridae		Begomovirus	<i>Ramie mosaic Yunnan virus</i>	New species	[68]
Unassigned	Geminiviridae		Begomovirus	<i>Senna leaf curl virus</i>	New species	[68]
Unassigned	Geminiviridae		Begomovirus	<i>Sida angular mosaic virus</i>	New species	[68]
Unassigned	Geminiviridae		Begomovirus	<i>Sida bright yellow mosaic virus</i>	New species	[68]
Unassigned	Geminiviridae		Begomovirus	<i>Sida chlorotic mottle virus</i>	New species	[68]
Unassigned	Geminiviridae		Begomovirus	<i>Sida chlorotic vein virus</i>	New species	[68]
Unassigned	Geminiviridae		Begomovirus	<i>Sida golden yellow spot virus</i>	New species	[68]
Unassigned	Geminiviridae		Begomovirus	<i>Solanum mosaic Bolivia virus</i>	New species	[68]
Unassigned	Geminiviridae		Begomovirus	<i>Sweet potato golden vein Korea virus</i>	New species	[68]
Unassigned	Geminiviridae		Begomovirus	<i>Sweet potato leaf curl Guangxi virus</i>	New species	[68]
Unassigned	Geminiviridae		Begomovirus	<i>Synedrella yellow vein clearing virus</i>	New species	[68]
Unassigned	Geminiviridae		Begomovirus	<i>Telfairia golden mosaic virus</i>	New species	[68]
Unassigned	Geminiviridae		Begomovirus	<i>Tomato chlorotic mottle Guyana virus</i>	New species	[68]
Unassigned	Geminiviridae		Begomovirus	<i>Tomato enation leaf curl virus</i>	New species	[68]
Unassigned	Geminiviridae		Begomovirus	<i>Tomato golden leaf spot virus</i>	New species	[68]
Unassigned	Geminiviridae		Begomovirus	<i>Tomato latent virus</i>	New species	[68]
Unassigned	Geminiviridae		Begomovirus	<i>Tomato leaf curl Burkina Faso virus</i>	New species	[68]
Unassigned	Geminiviridae		Begomovirus	<i>Tomato mottle wrinkle virus</i>	New species	[68]
Unassigned	Geminiviridae		Begomovirus	<i>Tomato yellow leaf curl Shuangbai virus</i>	New species	[68]
Unassigned	Geminiviridae		Begomovirus	<i>Tomato yellow leaf curl Yunnan virus</i>	New species	[68]
Unassigned	Geminiviridae		Begomovirus	<i>Triunfetta yellow mosaic virus</i>	New species	[68]
Unassigned	Geminiviridae		Begomovirus	<i>Velvet bean golden mosaic virus</i>	New species	[68]
Unassigned	Geminiviridae		Begomovirus	<i>Whitefly-associated begomovirus 1</i>	New species	[68]
Unassigned	Geminiviridae		Begomovirus	<i>Whitefly-associated begomovirus 2</i>	New species	[68]
Unassigned	Geminiviridae		Begomovirus	<i>Whitefly-associated begomovirus 3</i>	New species	[68]
Unassigned	Geminiviridae		Begomovirus	<i>Whitefly-associated begomovirus 4</i>	New species	[68]
Unassigned	Geminiviridae		Begomovirus	<i>Whitefly-associated begomovirus 6</i>	New species	[68]

Table 2 (continued)

Order	Family	Subfamily (blank = unassigned)	Genus	Species	Taxonomic change	References
Unassigned	Geminiviridae		Begomovirus	Whitefly-associated begomovirus 7	New species	[68]
Unassigned	Geminiviridae		Begomovirus	Vernonia erinkle virus	New species	[68]
Unassigned	Geminiviridae		Begomovirus	Vinca leaf curl virus	New species	[68]
Unassigned	Geminiviridae		Begomovirus	Wissadula yellow mosaic virus	New species	[68]
Unassigned	Geminiviridae		Begomovirus	Pedilanthus leaf curl virus	Rename species (previous name: <i>Pedilanthus leaf curl virus</i>)	[69]
Unassigned	Tolecusate llitidae		Betasatellite	Tomato leaf curl Java betasatellite	Rename species (previous name: <i>Tomato leaf curl Java virus betasatellite</i>)	[69]
Unassigned	Geminiviridae		Mastrevirus	Sporobolus striate mosaic virus 1	Rename species (previous name: <i>Sporobolus striate mosaic virus 1</i>)	[69]
Unassigned	Geminiviridae		Mastrevirus	Sporobolus striate mosaic virus 2	Rename species (previous name: <i>Sporobolus striate mosaic virus 2</i>)	[69]
Unassigned	Endornaviridae		Alphaendornavirus	Winged bean alphaendornavirus 1	New species	[70]
Unassigned	Endornaviridae		Betaendornavirus	Borytis cinerea betaendornavirus 1	New species	[70]
Unassigned	Bromoviridae		Iarvirus	Ageratum latent virus	New species	[71]
Unassigned	Bromoviridae		Iarvirus	Privet ringspot virus	New species	[71]
Unassigned	Bromoviridae		Iarvirus	Tomato necrotic streak virus	New species	[71]
Unassigned	Luteoviridae		Polerovirus	Maize yellow mosaic virus	New species	[72]
Unassigned	Luteoviridae		Polerovirus	Pepo aphid-borne yellows virus	New species	[73]
Unassigned	Caulimoviridae		Badnavirus	Cacao mild mosaic virus	New species	[74]
Unassigned	Caulimoviridae		Badnavirus	Cacao yellow vein banding virus	New species	[74]
Unassigned	Caulimoviridae		Badnavirus	Dioscorea bacilliform RT virus 1	New species	[74]
Unassigned	Caulimoviridae		Badnavirus	Dioscorea bacilliform RT virus 2	New species	[74]
Unassigned	Caulimoviridae		Badnavirus	Dioscorea bacilliform TR virus	New species	[74]
Unassigned	Caulimoviridae		Badnavirus	Wisteria badnavirus 1	New species	[74]
Unassigned	Closteroviridae		Ampelovirus	Grapevine leafroll-associated virus 13	New species	[75]
Tymovirales	Tymoviridae		Marafivirus	Grapevine asteroid mosaic associated virus	New species	[76]
Tymovirales	Tymoviridae		Marafivirus	Peach marafivirus D	New species	[76]
Tymovirales	Deltaflexiviridae		Deltaflexivirus		New family	[77]
Tymovirales	Deltaflexiviridae		Deltaflexivirus		New genus	[77]
Tymovirales	Deltaflexiviridae		Deltaflexivirus	Sclerotinia deltaflexivirus 1	New (type) species	[77]
Tymovirales	Deltaflexiviridae		Deltaflexivirus	Soybean-associated deltaflexivirus 1	New species	[77]
Tymovirales	Deltaflexiviridae		Potexvirus	Fusarium deltaflexivirus 1	New species	[77]
Tymovirales	Alphaflexiviridae		Potexvirus	Actinidia virus X	New species	[78]
Tymovirales	Alphaflexiviridae		Potexvirus	Pitaya virus X	New species	[78]
Tymovirales	Alphaflexiviridae		Potexvirus	Vanilla virus X	New species	[78]
Tymovirales	Alphaflexiviridae		Allexivirus	Blackberry virus E	Move species (previous position: <i>Tymovirales/Alphaflexiviridae</i> /unassigned)	[78]
Tymovirales	Alphaflexiviridae		Allexivirus	Arachis pinto virus	New species	[78]
Tymovirales	Alphaflexiviridae		Allexivirus	Alfalfa virus S	New species	[78]

Table 2 (continued)

Order	Family	Subfamily (blank = unassigned)	Genus	Species	Taxonomic change	References
<i>Tymovirales</i>	<i>Alphaflexiviridae</i>		<i>Allexivirus</i>	<i>Vanilla latent virus</i>	New species	[78]
<i>Tymovirales</i>	<i>Betaflexiviridae</i>	<i>Quinvirinae</i>	<i>Carlavirus</i>	<i>Yam latent virus</i>	New species	[78]
<i>Tymovirales</i>	<i>Betaflexiviridae</i>	<i>Quinvirinae</i>	<i>Carlavirus</i>	<i>Sambucus virus C</i>	New species	[78]
<i>Tymovirales</i>	<i>Betaflexiviridae</i>	<i>Quinvirinae</i>	<i>Carlavirus</i>	<i>Sambucus virus D</i>	New species	[78]
<i>Tymovirales</i>	<i>Betaflexiviridae</i>	<i>Quinvirinae</i>	<i>Carlavirus</i>	<i>Sambucus virus E</i>	New species	[78]
<i>Tymovirales</i>	<i>Betaflexiviridae</i>	<i>Quinvirinae</i>	<i>Carlavirus</i>	<i>Atractylodes mottle virus</i>	New species	[78]
<i>Tymovirales</i>	<i>Betaflexiviridae</i>	<i>Quinvirinae</i>	<i>Carlavirus</i>	<i>Ligustrum virus A</i>	New species	[78]
<i>Tymovirales</i>	<i>Betaflexiviridae</i>	<i>Quinvirinae</i>	<i>Foveavirus</i>	<i>Asian prunus virus 2</i>	New species	[78]
<i>Tymovirales</i>	<i>Betaflexiviridae</i>	<i>Trivirinae</i>	<i>Vivivirus</i>	<i>Arracacha virus Y</i>	New species	[78]
<i>Picornavirales</i>	<i>Picornaviridae</i>		<i>Aalivirus</i>		New genus	[79]
<i>Picornavirales</i>	<i>Picornaviridae</i>		<i>Aalivirus</i>	<i>Aalivirus A</i>	New (type) species	[79]
<i>Picornavirales</i>	<i>Picornaviridae</i>		<i>Bopivirus</i>		New genus	[80]
<i>Picornavirales</i>	<i>Picornaviridae</i>		<i>Bopivirus</i>	<i>Bopivirus A</i>	New (type) species	[80]
<i>Picornavirales</i>	<i>Picornaviridae</i>		<i>Crohivirus</i>		New genus	[81]
<i>Picornavirales</i>	<i>Picornaviridae</i>		<i>Crohivirus</i>	<i>Crohivirus A</i>	New species	[81]
<i>Picornavirales</i>	<i>Picornaviridae</i>		<i>Crohivirus</i>	<i>Crohivirus B</i>	New (type) species	[81]
<i>Picornavirales</i>	<i>Picornaviridae</i>		<i>Crohivirus</i>	<i>Crohivirus C</i>	New (type) species	[81]
<i>Picornavirales</i>	<i>Picornaviridae</i>		<i>Enterovirus</i>	<i>Enterovirus K</i>	New species	[82]
<i>Picornavirales</i>	<i>Picornaviridae</i>		<i>Enterovirus</i>	<i>Enterovirus L</i>	New species	[82]
<i>Picornavirales</i>	<i>Picornaviridae</i>		<i>Kunsagivirus</i>	<i>Kunsagivirus B</i>	New species	[83]
<i>Picornavirales</i>	<i>Picornaviridae</i>		<i>Kunsagivirus</i>	<i>Kunsagivirus C</i>	New species	[83]
<i>Picornavirales</i>	<i>Picornaviridae</i>		<i>Megrivirus</i>	<i>Megrivirus A</i>	Rename (type) species (previous name: <i>Melegrivirus A</i>)	[84]
<i>Picornavirales</i>	<i>Picornaviridae</i>		<i>Megrivirus</i>	<i>Megrivirus B</i>	New species	[84]
<i>Picornavirales</i>	<i>Picornaviridae</i>		<i>Megrivirus</i>	<i>Megrivirus C</i>	New species	[84]
<i>Picornavirales</i>	<i>Picornaviridae</i>		<i>Megrivirus</i>	<i>Megrivirus D</i>	New species	[84]
<i>Picornavirales</i>	<i>Picornaviridae</i>		<i>Megrivirus</i>	<i>Megrivirus E</i>	New species	[84]
<i>Picornavirales</i>	<i>Picornaviridae</i>		<i>Orivirus</i>		New genus	[85]
<i>Picornavirales</i>	<i>Picornaviridae</i>		<i>Orivirus</i>	<i>Orivirus A</i>	New (type) species	[85]
<i>Picornavirales</i>	<i>Picornaviridae</i>		<i>Shanbavirus</i>		New genus	[86]
<i>Picornavirales</i>	<i>Picornaviridae</i>		<i>Shanbavirus</i>	<i>Shanbavirus A</i>	New (type) species	[86]
<i>Picornavirales</i>	<i>Picornaviridae</i>		<i>Pestivirus</i>	<i>Pestivirus A</i>	Rename (type) species (previous name: <i>Bovine viral diarrhoea virus 1</i>)	[87]
Unassigned	<i>Flaviviridae</i>		<i>Pestivirus</i>	<i>Pestivirus B</i>	Rename species (previous name: <i>Bovine viral diarrhoea virus 2</i>)	[87]
Unassigned	<i>Flaviviridae</i>		<i>Pestivirus</i>	<i>Pestivirus C</i>	Rename species (previous name: <i>Classical swine fever virus</i>)	[87]
Unassigned	<i>Flaviviridae</i>		<i>Pestivirus</i>	<i>Pestivirus D</i>	Rename species (previous name: <i>Border disease virus</i>)	[87]
Unassigned	<i>Flaviviridae</i>		<i>Pestivirus</i>	<i>Pestivirus E</i>	New species	[87]
Unassigned	<i>Flaviviridae</i>		<i>Pestivirus</i>	<i>Pestivirus F</i>	New species	[87]
Unassigned	<i>Flaviviridae</i>		<i>Pestivirus</i>	<i>Pestivirus G</i>	New species	[87]

Table 2 (continued)

Order	Family	Subfamily (blank = unassigned)	Genus	Species	Taxonomic change	References
Unassigned	<i>Flaviviridae</i>		<i>Pestivirus</i>	<i>Pestivirus H</i>	New species	[87]
Unassigned	<i>Flaviviridae</i>		<i>Pestivirus</i>	<i>Pestivirus I</i>	New species	[87]
Unassigned	<i>Flaviviridae</i>		<i>Pestivirus</i>	<i>Pestivirus J</i>	New species	[87]
Unassigned	<i>Flaviviridae</i>		<i>Pestivirus</i>	<i>Pestivirus K</i>	New species	[87]
<i>Picornavirales</i>	<i>Polycipiviridae</i>		<i>Sopolyceivirus</i>		New family	[88]
<i>Picornavirales</i>	<i>Polycipiviridae</i>		<i>Sopolyceivirus</i>		New genus	[88]
<i>Picornavirales</i>	<i>Polycipiviridae</i>		<i>Sopolyceivirus</i>	<i>Solenopsis invicta virus 2</i>	nNew (type) species	[88]
<i>Picornavirales</i>	<i>Polycipiviridae</i>		<i>Sopolyceivirus</i>	<i>Solenopsis invicta virus 4</i>	New species	[88]
<i>Picornavirales</i>	<i>Polycipiviridae</i>		<i>Sopolyceivirus</i>	<i>Lasius niger virus 1</i>	New species	[88]
<i>Picornavirales</i>	<i>Polycipiviridae</i>		<i>Sopolyceivirus</i>	<i>Shuangao insect virus 8</i>	New species	[88]
<i>Picornavirales</i>	<i>Polycipiviridae</i>		<i>Sopolyceivirus</i>	<i>Myrmica scabrimodis virus 1</i>	New species	[88]
<i>Picornavirales</i>	<i>Polycipiviridae</i>		<i>Sopolyceivirus</i>	<i>Lasius neglectus virus 1</i>	New species	[88]
<i>Picornavirales</i>	<i>Polycipiviridae</i>		<i>Sopolyceivirus</i>	<i>Monomorium pharaonis virus 1</i>	New species	[88]
<i>Picornavirales</i>	<i>Polycipiviridae</i>		<i>Sopolyceivirus</i>	<i>Lasius neglectus virus 2</i>	New species	[88]
<i>Picornavirales</i>	<i>Polycipiviridae</i>		<i>Sopolyceivirus</i>	<i>Linepithema humile virus 2</i>	New species	[88]
<i>Picornavirales</i>	<i>Polycipiviridae</i>		<i>Sopolyceivirus</i>	<i>Monomorium pharaonis virus 2</i>	New species	[88]
<i>Picornavirales</i>	<i>Polycipiviridae</i>		<i>Sopolyceivirus</i>	<i>Formica exsecta virus 3</i>	New species	[88]
<i>Picornavirales</i>	<i>Polycipiviridae</i>		<i>Hupolyceivirus</i>		New genus	[88]
<i>Picornavirales</i>	<i>Polycipiviridae</i>		<i>Hupolyceivirus</i>	<i>Hubei hupolyceivirus</i>	New (type) species	[88]
<i>Picornavirales</i>	<i>Polycipiviridae</i>		<i>Chipolyceivirus</i>		New genus	[88]
<i>Picornavirales</i>	<i>Polycipiviridae</i>		<i>Chipolyceivirus</i>	<i>Chironomus riparius virus 1</i>	New (type) species	[88]
<i>Picornavirales</i>	<i>Polycipiviridae</i>		<i>Chipolyceivirus</i>	<i>Hubei chipolyceivirus</i>	New species	[88]

Names of newly created taxa are in bold italic type

Names of existing taxa that have been moved or renamed are shown in plain italic type

of all approved taxa can be found on the ICTV website at <http://ictv.global/msl>.

Acknowledgements A.J.D. is supported by the Medical Research Council (MC_UU_12014/3). B.E.D. is supported by Netherlands Organization for Scientific Research (NWO) Vidi Grant 864.14.004. A.E.G. is partially supported by EU project EVAg 653316 and the Leids Universiteits Fonds. N.J.K. is partially supported by core funding provided by the Biotechnology and Biological Sciences Research Council, UK. The content of this publication does not necessarily reflect the views or policies of the US Department of Health and Human Services or of the institutions and companies affiliated with the authors. This work was supported in part through Battelle Memorial Institute's prime contract with the US National Institute of Allergy and Infectious Diseases (NIAID) under Contract No. HHSN272200700016I (J.H.K.). A.R.M. is a Program Director at the U.S. National Science Foundation (NSF); his work on this project was supported in part by the NSF Independent Research and Development program, but the statements and opinions expressed herein are made in a personal capacity and do not imply endorsement by NSF or the government of the United States. S.S. acknowledges financial support from Mississippi State University (MSU)—Mississippi Agricultural and Forestry Experiment Station (MAFES) Strategic Research Initiative grants.

Compliance with ethical standards

Conflict of interest The authors declare that they have no conflicts of interest.

Human rights This article does not contain any studies with human participants or animals performed by any of the authors. All authors have contributed to this work and agreed to its publication.

References

- Kropinski AM, Anany H, Kuhn JH, Tolstoy I, Kutter E, Adriaenssens EM. Proposal 2017.001B.A.v3.Ackermannviridae. Create family *Ackermannviridae* in the order *Caudovirales*. <http://ictv.global/proposals-17/2017.001B.A.v3.Ackermannviridae.zip>. Accessed 25 Apr 2018
- Prangishvili D, Krupovic M. Proposal 2017.002B.A.v2.Portogloboviridae. Create a new genus, *Alphaportoglobovirus*, within a new family *Portogloboviridae*. <http://ictv.global/proposals-17/2017.002B.A.v2.Portogloboviridae.zip>. Accessed 25 Apr 2018
- Kropinski AM, Kuhn JH, Gillis A, Adriaenssens EM. Proposal 2017.003B.A.v1.Anetolevirus. Create genus *Anetolevirus* in family *Siphoviridae*, order *Caudovirales*. <http://ictv.global/proposals-17/2017.003B.A.v1.Anetolevirus.zip>. Accessed 25 Apr 2018
- Kropinski AM, Kuhn JH, Adriaenssens EM. Proposal 2017.004B.A.v1.Chebruvirinae. In family *Siphoviridae* create subfamily *Chebruvirinae* containing one existing and a new genus, *Brujitavirus*. <http://ictv.global/proposals-17/2017.004B.A.v1.Chebruvirinae.zip>. Accessed 25 Apr 2018
- Kropinski AM, Kuhn JH, Adriaenssens EM. Proposal 2017.005B.A.v1.Attisvirus. Create genus *Attisvirus* in family *Siphoviridae*, order *Caudovirales*. <http://ictv.global/proposals-17/2017.005B.A.v1.Attisvirus.zip>. Accessed 25 Apr 2018
- Kropinski AM, Kuhn JH, Adriaenssens EM. Proposal 2017.006B.A.v1.Doucettevirus. Create genus *Doucettevirus* in family *Siphoviridae*, order *Caudovirales*. <http://ictv.global/proposals-17/2017.006B.A.v1.Doucettevirus.zip>. Accessed 25 Apr 2018
- Morbidoni HR, Kropinski AM, Kuhn JH, Adriaenssens EM. Proposal 2017.007B.A.v1.Dclasvirinae. In family *Siphoviridae* create subfamily *Dclasvirinae* containing two new genera, *Hawkeyevirus* and *Plotvirus*. <http://ictv.global/proposals-17/2017.007B.A.v1.Dclasvirinae.zip>. Accessed 25 Apr 2018
- Kropinski AM, Kuhn JH, Adriaenssens EM, Refardt D. Proposal 2017.008B.A.v1.Hk97virus. Create genus *Hk97virus* in family *Siphoviridae*, order *Caudovirales*. <http://ictv.global/proposals-17/2017.008B.A.v1.Hk97virus.zip>. Accessed 25 Apr 2018
- Kropinski AM, Kuhn JH, Adriaenssens EM. Proposal 2017.009B.A.v1.Mccleskeyvirinae. In family *Siphoviridae* create subfamily *Mccleskeyvirinae* containing two new genera, *Lmd1virus* and *Una4virus*. <http://ictv.global/proposals-17/2017.009B.A.v1.Mccleskeyvirinae.zip>. Accessed 25 Apr 2018
- Kropinski AM, Kuhn JH, Adriaenssens EM. Proposal 2017.010B.A.v2.Nclasvirinae. In family *Siphoviridae* create subfamily *Nclasvirinae* containing two new genera, *Redivirus* and *Buttersvirus*, and one existing genus. <http://ictv.global/proposals-17/2017.010B.A.v2.Nclasvirinae.zip>. Accessed 25 Apr 2018
- Kropinski AM, Kuhn JH, Adriaenssens EM. Proposal 2017.011B.A.v2.Nymbaxtervirinae. In family *Siphoviridae* create subfamily *Nymbaxtervirinae* containing two new genera, *Nymphadoravirus* and *Baxtervirus*. <http://ictv.global/proposals-17/2017.011B.A.v2.Nymbaxtervirinae.zip>. Accessed 25 Apr 2018
- Kropinski AM, Kuhn JH, Adriaenssens EM. Proposal 2017.012B.A.v1.Wizardvirus. Create genus *Wizardvirus* in family *Siphoviridae*, order *Caudovirales*. <http://ictv.global/proposals-17/2017.012B.A.v1.Wizardvirus.zip>. Accessed 25 Apr 2018
- Gillis A, Jang HB, Mahillon J, Kuhn JH, Kropinski AM, Adriaenssens EM, Lavigne R. Proposal 2017.013B.A.v2.Tectiviridae_rev. In the family *Tectiviridae*, change the name of genus *Tectivirus* to *Alphatectivirus* and create a new genus, *Betatectivirus*. http://ictv.global/proposals-17/2017.013B.A.v2.Tectiviridae_rev.zip. Accessed 25 Apr 2018
- Poranen MM, Mäntynen S, Kuhn JH, Adriaenssens EM, Kropinski AM. Proposal 2017.016B.A.v1.Cystovirus_6sp. Create six species in the genus *Cystovirus*, family *Cystoviridae*. http://ictv.global/proposals-17/2017.016B.A.v1.Cystovirus_6sp.zip. Accessed 25 Apr 2018
- Wittmann J, Kropinski AM, Kuhn JH, Adriaenssens EM. Proposal 2017.017B.A.v1.Dfl12virus. Create genus *Dfl12virus* in the family *Podoviridae*, order *Caudovirales*. <http://ictv.global/proposals-17/2017.017B.A.v1.Dfl12virus.zip>. Accessed 25 Apr 2018
- Wittmann J, Moreno Switt AI, Kropinski AM, Kuhn JH, Adriaenssens EM. Proposal 2017.018B.A.v1.Sp58virus. Create genus *Sp58virus* in the family *Podoviridae*, order *Caudovirales*. <http://ictv.global/proposals-17/2017.018B.A.v1.Sp58virus.zip>. Accessed 25 Apr 2018
- Kropinski AM, Kuhn JH, Adriaenssens EM. Proposal 2017.019B.A.v1.Svunavirus. Create genus *Svunavirus* in the family *Podoviridae*, order *Caudovirales*. <http://ictv.global/proposals-17/2017.019B.A.v1.Svunavirus.zip>. Accessed 25 Apr 2018
- Skowron P, Kropinski AM, Kuhn JH, Adriaenssens EM, Los N. Proposal 2017.020B.A.v1.Tp84virus. Create genus *Tp84virus* within the family *Siphoviridae*, order *Caudovirales*. <http://ictv.global/proposals-17/2017.020B.A.v1.Tp84virus.zip>. Accessed 25 Apr 2018
- Adriaenssens EM, Kuhn JH, Kropinski AM, Hope S, Grose JH. Proposal 2017.021B.A.v1.Eah2virus. Create genus *Eah2virus* within the family *Myoviridae*, order *Caudovirales*. <http://ictv.global/proposals-17/2017.021B.A.v1.Eah2virus.zip>. Accessed 25 Apr 2018
- Wittmann J, Kropinski AM, Rohde M, Kuhn JH, Adriaenssens EM. Proposal 2017.022B.A.v2.Jwalphavirus. Create genus *Jwalphavirus* in the family *Podoviridae*, order *Caudovirales*. <http://ictv.global/proposals-17/2017.022B.A.v2.Jwalphavirus.zip>. Accessed 25 Apr 2018

- ictv.global/proposals-17/2017.022B.A.v2.Jwalphavirus.zip. Accessed 25 Apr 2018
21. Owen V, Hinton JCD, Kropinski AM, Kuhn JH, Adriaenssens EM. Proposal 2017.023B.A.v1.P22virus_sp. Create a species in genus *P22virus* in the family *Podoviridae*, order *Caudovirales*. http://ictv.global/proposals-17/2017.023B.A.v1.P22virus_sp.zip. Accessed 25 Apr 2018
 22. Adriaenssens EM, Kuhn JH, Kropinski AM, Hope S, Grose JH. Proposal 2017.024B.A.v1.Machinavirus. Create genus *Machinavirus* in family *Myoviridae*, order *Caudovirales*. <http://ictv.global/proposals-17/2017.024B.A.v1.Machinavirus.zip>. Accessed 25 Apr 2018
 23. Morbidoni HR, Kropinski AM, Kuhn JH, Adriaenssens EM. Proposal 2017.026B.A.v2.Trigintaduovirus. Create genus *Trigintaduovirus* in the family *Siphoviridae*, order *Caudovirales*. <http://ictv.global/proposals-17/2017.026B.A.v2.Trigintaduovirus.zip>. Accessed 25 Apr 2018
 24. Petrovski S, Kropinski AM, Kuhn JH, Adriaenssens EM. Proposal 2017.027B.A.v1.Pfr1virus. Create genus *Pfr1virus* in the family *Siphoviridae*, order *Caudovirales*. <http://ictv.global/proposals-17/2017.027B.A.v1.Pfr1virus.zip>. Accessed 25 Apr 2018
 25. Kropinski AM, Adriaenssens EM. Proposal 2017.028B.A.v1.Lambdavirus_3sp. Create three species in the genus *Lambdavirus*, family *Siphoviridae*, order *Caudovirales*. http://ictv.global/proposals-17/2017.028B.A.v1.Lambdavirus_3sp.zip. Accessed 25 Apr 2018
 26. Krupovic M, Llorens C, Koonin EV, Kuhn JH. Proposal 2017.001D.A.v1.Belpaoviridae. Create 3 species within genus *Semotivirus* and move genus from family *Metaviridae* to a new family *Belpaoviridae*. <http://ictv.global/proposals-17/2017.001D.A.v1.Belpaoviridae.zip>. Accessed 25 Apr 2018
 27. Canuti M, McDonald E, Lang AS. Proposal 2017.002D.A.v1.Amdoparvovirus_2sp. Create 2 species in the genus *Amdoparvovirus*, subfamily *Parvovirinae*, family *Parvoviridae*. http://ictv.global/proposals-17/2017.002D.A.v1.Amdoparvovirus_2sp.zip. Accessed 25 Apr 2018
 28. Cotmore SF, Agbandje-McKenna M, Canuti M, Chiorini JA, Eis-Hubinger A-M, Hughes J, Modha S, Ogliastro M, Pintel DJ, Qiu J, Soderlund-Venermo M, Tattersall P, Tijssen P. Proposal 2017.003D.A.v2.Bocaparvovirus_9sp. Create 9 species in the genus *Bocaparvovirus*, subfamily *Parvovirinae*, family *Parvoviridae*. http://ictv.global/proposals-17/2017.003D.A.v2.Bocaparvovirus_9sp.zip. Accessed 25 Apr 2018
 29. Cotmore SF, Agbandje-McKenna M, Canuti M, Chiorini JA, Eis-Hubinger A-M, Hughes J, Modha S, Ogliastro M, Pintel DJ, Qiu J, Soderlund-Venermo M, Tattersall P, Tijssen P. Proposal 2017.004D.A.v2.Protoparvovirus_6sp. Create 6 species in the genus *Protoparvovirus*, subfamily *Parvovirinae*, family *Parvoviridae*. http://ictv.global/proposals-17/2017.004D.A.v2.Protoparvovirus_6sp.zip. Accessed 25 Apr 2018
 30. Saucedo Garnica B, Rijks JM. Proposal 2017.005D.A.v1.Ranavirus_sp. Create a species in family *Iridoviridae*, genus *Ranavirus*, subfamily *Alphairidovirinae*. http://ictv.global/proposals-17/2017.005D.A.v1.Ranavirus_sp.zip. Accessed 25 Apr 2018
 31. Khan AS, Bodem J, Buseyne F, Gessain A, Johnson W, Kuhn JH, Kuzmak J, Lindemann D, Linial ML, Löchelt M, Materniak M, Soares MA, Switzer WM. Proposal 2017.006D.A.v2.Spumaretrovirinae_4gen. In the subfamily *Spumaretrovirinae*, create four genera (*Bovispumavirus*, *Equispumavirus*, *Felispumavirus*, *Prosimiispumavirus*) and change the names of genus *Spumavirus* to *Semiispumavirus* and its constituent species likewise. http://ictv.global/proposals-17/2017.006D.A.v2.Spumaretrovirinae_4gen.zip. Accessed 25 Apr 2018
 32. Calvignac-Spencer S, Daugherty MD, Feltkamp MCW, Lauber C, Moens U, Ramqvist T, Verschoor EJ, Ehlers B. Proposal 2017.007D.A.v2.Polyomaviridae_sp. Create 8 species within the family *Polyomaviridae*. http://ictv.global/proposals-17/2017.007D.A.v2.Polyomaviridae_sp.zip. Accessed 25 Apr 2018
 33. Harrison RL, Herniou EA, Krell PJ, Theilmann DA, Becnell JJ, Jehle JA, Burand JP. Proposal 2017.008D.A.v1.Betabaculovirus_2sp1ren. In genus *Betabaculovirus* (family *Baculoviridae*), create 2 species and rename one species. http://ictv.global/proposals-17/2017.008D.A.v1.Betabaculovirus_2sp1ren.zip. Accessed 25 Apr 2018
 34. Varsani A, Rosario K, Segalés J, Delwart E, Breitbart M. Proposal 2017.009D.A.v1.Circoviridae_4sp. Create two species in each of the genera *Circovirus* and *Cyclovirus*, family *Circoviridae*. http://ictv.global/proposals-17/2017.009D.A.v1.Circoviridae_4sp.zip. Accessed 25 Apr 2018
 35. Burk R, Chen Z. Proposal 2017.010D.A.v1.Papillomaviridae_2subf. Create 17 species, 4 genera and 2 subfamilies in the family *Papillomaviridae*. http://ictv.global/proposals-17/2017.010D.A.v1.Papillomaviridae_2subf.zip. Accessed 25 Apr 2018
 36. Varsani A, Krupovic M. Proposal 2017.011D.A.v3.Smacoviridae. Create the family *Smacoviridae* containing six genera and 43 species. <http://ictv.global/proposals-17/2017.011D.A.v3.Smacoviridae.zip>. Accessed 25 Apr 2018
 37. Origi FC. Proposal 2017.012D.A.v1.Batrachovirus_sp. Create a species in the genus *Batrachovirus*, family *Alloherpesviridae*, order *Herpesvirales*. http://ictv.global/proposals-17/2017.012D.A.v1.Batrachovirus_sp.zip. Accessed 25 Apr 2018
 38. Krupovic M, Harrach B, Sabanadzovic S, Sanfaçon H, Koonin EV, Kuhn JH, Johnson W, Blomberg J, Coffin J, Fan H, Gifford R, Lindemann D, Mayer J, Stoye J, Tristem M, Teycheney P-Y, Dasgupta I, Geering A, Hull R, Kreuze JF, Lockhart B, Muller E, Olszewski N, Pappu H, Pooggin M, Richert-Pöggeler K, Schoelz JE, Seal S, Stovolone L. Proposal 2017.013D.A.v1.Ortervirales. Create the order *Ortervirales* comprising 5 families of reverse-transcribing viruses. <http://ictv.global/proposals-17/2017.013D.A.v1.Ortervirales.zip>. Accessed 25 Apr 2018
 39. Harrach B, Bösörményi KP, Benkő M. Proposal 2017.014D.A.v1.Adenoviridae_8sp. Create 8 species in the family *Adenoviridae*. http://ictv.global/proposals-17/2017.014D.A.v1.Adenoviridae_8sp.zip. Accessed 25 Apr 2018
 40. Magnus L, Norder H. Proposal 2017.015D.A.v1.Hepadnaviridae_2sp. Create 2 species to be unassigned in the family *Hepadnaviridae*. http://ictv.global/proposals-17/2017.015D.A.v1.Hepadnaviridae_2sp.zip. Accessed 25 Apr 2018
 41. Harrach B, Benkő M. Proposal 2017.016D.A.v1.Adenoviridae_4sp. In the family *Adenoviridae*, create 1 species in genus *Atadenovirus* and 3 species in genus *Mastadenovirus*. http://ictv.global/proposals-17/2017.016D.A.v1.Adenoviridae_4sp.zip. Accessed 25 Apr 2018
 42. Krupovic M, Kazlauskas D, Varsani A. Proposal 2017.001F.A.v1.Bacilladnaviridae. Create two new genera within a new family *Bacilladnaviridae*; also rename an existing genus and move from unassigned to the new family. <http://ictv.global/proposals-17/2017.001F.A.v1.Bacilladnaviridae.zip>. Accessed 25 Apr 2018
 43. Siddell S. Proposal 2017.001G.A.v2.43spren. Change the names of 43 virus species to accord with ICVCN Code, Section 3-II, Rule 3.13 regarding the use of diacritical and other proscribed characters in taxon names. <http://ictv.global/proposals-17/2017.001G.A.v2.43spren.zip>. Accessed 25 Apr 2018
 44. Kropinski AM, Kuhn JH and 133 others. Proposal 2017.003G.A.v2.ICVCN_Rule_3.11_Change. Change ICVCN Rule 3.11 to permit, with limitations, the names of people to be recognised in names of taxa. http://ictv.global/proposals-17/2017.003G.A.v2.ICVCN_Rule_3.11_Change.zip. Accessed 25 Apr 2018

45. Hepojoki J, Salmenperä P, Sironen T, Hetzel U, Korzyukov Y, Kipar A, Vapalahti O, Maes P, Buchmeier MJ, Charrel R, Clegg CS, de la Torre C, DeRisi JL, Emonet S, Gonzalez JP, Kuhn JH, Lukashevich IS, Peters CJ, Radoshitzky SR, Romanowski V, Salvato MS, Stenglein MD. Proposal 2017.001 M.A.v1.Hartmanivirus. Create genus *Hartmanivirus* in the family *Arenaviridae*. <http://ictv.global/proposals-17/2017.001M.A.v1.Hartmanivirus.zip>. Accessed 25 Apr 2018
46. Buchmeier MJ, Charrel R, Clegg CS, de la Torre C, DeRisi JL, Emonet S, Gonzalez JP, Kuhn JH, Lukashevich IS, Peters CJ, Radoshitzky SR, Romanowski V, Salvato MS, Stenglein MD. Proposal 2017.002 M.A.v3.Mammarenavirus_sp. Create species *Ryukyu mammarenavirus* in genus *Mammarenavirus*, family *Arenaviridae*. http://ictv.global/proposals-17/2017.002M.A.v3.Mammarenavirus_sp.zip. Accessed 25 Apr 2018
47. Ng TFF, Schneider BS, Gillis A, LeBreton M, Kondov NO, Coffey L, Wolfe ND, Delwart E, Buchmeier MJ, Charrel R, Clegg CS, de la Torre C, DeRisi JL, Emonet S, Gonzalez JP, Kuhn JH, Lukashevich IS, Peters CJ, Radoshitzky SR, Romanowski V, Salvato MS, Stenglein MD. Proposal 2017.003 M.A.v1.Mammarenavirus_sp. Create species *Souris mammarenavirus* in genus *Mammarenavirus*, family *Arenaviridae*. http://ictv.global/proposals-17/2017.003M.A.v1.Mammarenavirus_sp.zip. Accessed 25 Apr 2018
48. Rubbenstroth D, Briese T, Dürrwald R, Horie M, Kuhn JH, Nowotny N, Payne S, Schwemmler M, Tomonaga K. Proposal 2017.004 M.A.v1.Bornaviridae_ren. Change the name of genus *Bornavirus* (family *Bornaviridae*, order *Mononegavirales*) to *Orthobornavirus* and the names of all its constituent species likewise. http://ictv.global/proposals-17/2017.004M.A.v1.Bornaviridae_ren.zip. Accessed 25 Apr 2018
49. Kuhn JH, Stenglein M, Wellehan J, Rubbenstroth D, Briese T, Dürrwald R, Horie M, Nowotny N, Payne S, Schwemmler M, Tomonaga K, Hyndman T. Proposal 2017.005 M.A.v1.Carbovirus. Create genus *Carbovirus* in family *Bornaviridae*. <http://ictv.global/proposals-17/2017.005M.A.v1.Carbovirus.zip>. Accessed 25 Apr 2018
50. Jansen van Vuren P, Wiley MR, Palacios G, Storm N, Kuhn JH, Markotter W, Birkhead M, Kemp A, Paweska JT. Proposal 2017.007 M.A.v1.Orthobunyavirus_sp. Create a species in genus *Orthobunyavirus*, family *Peribunyaviridae*, order *Bunyavirales*. http://ictv.global/proposals-17/2017.007M.A.v1.Orthobunyavirus_sp.zip. Accessed 25 Apr 2018
51. Palacios G, Alkhovsky SV, Kuhn JH. Proposal 2017.008 M.A.v1.Orthonaivirus_2sp1ren. Create 2 species in genus *Orthonaivirus* (family *Nairoviridae*, order *Bunyavirales*) and rename one species http://ictv.global/proposals-17/2017.008M.A.v1.Orthonaivirus_2sp1ren.zip. Accessed 25 Apr 2018
52. Goldberg TL, Bennett AJ, Kityo R, Kuhn JH, Chapman CA. Proposal 2017.009 M.A.v1.Ledantavirus_sp. Create a species in genus *Ledantavirus*, family *Rhabdoviridae*, order *Mononegavirales*. http://ictv.global/proposals-17/2017.009M.A.v1.Ledantavirus_sp.zip. Accessed 25 Apr 2018
53. Kuhn JH, Verdugo C, Ng TFF, Mor SK, Choi K-S, Thomazelli LM, Ramírez VMN. Proposal 2017.010 M.A.v2.Avilavirus_6sp. Create 6 species in genus *Avilavirus*, family *Paramyxoviridae*, order *Mononegavirales*. http://ictv.global/proposals-17/2017.010M.A.v2.Avilavirus_6sp.zip. Accessed 25 Apr 2018
54. Smith GJD, Bahl J, Donis R, Hongo S, Kochs G, Lamb R, McCauley J, Palese P, Perez D, Presti R, Rimstad E. Proposal 2017.011 M.A.v2.Orthomyxoviridae_ren. Change the names of 4 genera and 5 species in the family *Orthomyxoviridae*. http://ictv.global/proposals-17/2017.011M.A.v2.Orthomyxoviridae_ren.zip. Accessed 25 Apr 2018
55. Marston DA, Mueller T, Freuling C, Banyard AC, Fooks AR. Proposal 2017.013 M.A.v1.Lyssavirus_sp. Create a species in genus *Lyssavirus*, family *Rhabdoviridae*, order *Mononegavirales*. http://ictv.global/proposals-17/2017.013M.A.v1.Lyssavirus_sp.zip. Accessed 25 Apr 2018
56. Marston DA, Echevarria J, Aréchiga N, Vázquez S, Mueller T, Freuling C, Banyard AC, Fooks AR. Proposal 2017.014 M.A.v1.Lyssavirus_sp. Create a species in genus *Lyssavirus*, family *Rhabdoviridae*, order *Mononegavirales*. http://ictv.global/proposals-17/2017.014M.A.v1.Lyssavirus_sp.zip. Accessed 25 Apr 2018
57. Hepojoki J, Sironen T, Bao Y, Maes P, Buchmeier MJ, Charrel R, Clegg CS, de la Torre C, DeRisi JL, Emonet S, Gonzalez JP, Kuhn JH, Lukashevich IS, Peters CJ, Radoshitzky SR, Romanowski V, Salvato MS, Stenglein MD. Proposal 2017.015 M.A.v1.Reptarenavirus_2sp3ren. In the genus *Reptarenavirus* (family *Arenaviridae*), create two species and rename three species. http://ictv.global/proposals-17/2017.015M.A.v1.Reptarenavirus_2sp3ren.zip. Accessed 25 Apr 2018
58. Jansen van Vuren P, Wiley MR, Palacios G, Storm N, McCulloch S, Markotter W, Birkhead M, Kemp A, Paweska JT. Proposal 2017.018 M.A.v1.Orthoreovirus_sp. Create a species in the genus *Orthoreovirus*, subfamily *Spinareovirinae*, family *Reoviridae*. http://ictv.global/proposals-17/2017.018M.A.v1.Orthoreovirus_sp.zip. Accessed 25 Apr 2018
59. Wiley MR, Prieto, K, Blasdel KR, Cai Y, Campos Lawson C, Walker PJ, Chiu CY, Palacios G, Kuhn JH. Proposal 2017.019 M.A.v1.Tibrovirus_sp. Create a species in the genus *Tibrovirus*, family *Rhabdoviridae*, order *Mononegavirales*. http://ictv.global/proposals-17/2017.019M.A.v1.Tibrovirus_sp.zip. Accessed 25 Apr 2018
60. Wylie S, Adams MJ, Chalam C, Kreuze JF, Lopez-Moya JJ, Ohshima K, Praveen S, Rabenstein F, Wang A, Zerbini FM. Proposal 2017.001P.A.v2.Potyviridae_2gen. Create 2 genera, *Roymovirus* and *Bevemovirus*, in the family *Potyviridae*. http://ictv.global/proposals-17/2017.001P.A.v2.Potyviridae_2gen.zip. Accessed 25 Apr 2018
61. García ML, Dal Bó E, da Graça JV, Gago-Zachert S, Hammond J, Moreno P, Natsuaki T, Pallás V, Navarro JA, Reyes CA, Luna GR, Sasaya T, Tzanetakis IE, Vaira AM, Verbeek M, Kuhn JH. Proposal 2017.002P.A.v2.Ophioviridae_ren. Change the name of the family *Ophioviridae* to *Aspiviridae* and adopt nonlatinised binomial names for its constituent species. http://ictv.global/proposals-17/2017.002P.A.v2.Ophioviridae_ren.zip. Accessed 25 Apr 2018
62. Sömera M, Truve E, Hebrard E. Proposal 2017.003P.A.v2.Solemoviridae. Create family *Sobemoviridae*, combining the *Sobemovirus* and *Polemovirus* genera. <http://ictv.global/proposals-17/2017.003P.A.v2.Solemoviridae.zip>. Accessed 25 Apr 2018
63. Briddon R, Varsani A Proposal 2017.004P.A.v4.Alphasatellitidae. Create the *Alphasatellitidae*, a family of satellites comprising 2 new subfamilies and 11 new genera. <http://ictv.global/proposals-17/2017.004P.A.v4.Alphasatellitidae.zip>. Accessed 25 Apr 2018
64. Thompson JR, Karasev AV, Sanfacon H, Dasgupta I, Tzanetakis I, Petrzik K, Fuchs M, Yoshikawa N, van der Vlugt R, Wetzel T, Iwanami T. Proposal 2017.005P.A.v2.Secoviridae_5sp. In the family *Secoviridae* create two species in genus *Nepovirus*, two species in genus *Fabavirus* and one unassigned species. http://ictv.global/proposals-17/2017.005P.A.v2.Secoviridae_5sp.zip. Accessed 25 Apr 2018
65. Wylie S, Adams MJ, Chalam C, Kreuze JF, Lopez-Moya JJ, Ohshima K, Praveen S, Rabenstein F, Wang A, Zerbini FM. Proposal 2017.007P.A.v1.Potyviridae_9sp. Create 9 species in the family *Potyviridae*. http://ictv.global/proposals-17/2017.007P.A.v1.Potyviridae_9sp.zip. Accessed 25 Apr 2018
66. Varsani A, Martin DP. Proposal 2017.008P.A.v2.Mastrevirus_5sp. Create five species in the genus *Mastrevirus*, family *Geminiviridae*. http://ictv.global/proposals-17/2017.008P.A.v2.Mastrevirus_5sp.zip. Accessed 25 Apr 2018

67. Varsani A, Martin DP. Proposal 2017.009P.A.v1.Turncurtovirus_sp. Create a species in the genus *Turncurtovirus*, family *Geminiviridae*. http://ictv.global/proposals-17/2017.009P.A.v1.Turncurtovirus_sp.zip. Accessed 25 Apr 2018
68. Zerbini FM, Varsani A, Navas-Castillo J, Moriones E, Martin D, Bridson R. Proposal 2017.010P.A.v1.Begomovirus_66sp. Create 66 species in the genus *Begomovirus*, family *Geminiviridae*. http://ictv.global/proposals-17/2017.010P.A.v1.Begomovirus_66sp.zip. Accessed 25 Apr 2018
69. Zerbini FM. Proposal 2017.011P.A.v1.Gemini_sp_ren. Correct the names of three species in the family *Geminiviridae* and one species in the *Toleusatellitidae*. http://ictv.global/proposals-17/2017.011P.A.v1.Gemini_sp_ren.zip. Accessed 25 Apr 2018
70. Sabanadzovic S, Valverde RA, Okada R. Proposal 2017.012P.A.v1.Endornaviridae_2sp. Create two species in the family *Endornaviridae*. http://ictv.global/proposals-17/2017.012P.A.v1.Endornaviridae_2sp.zip. Accessed 25 Apr 2018
71. Bujarski J, Gallitelli D, Reddy MK, Garcia-Arenal F, Wang A, Scott SW. Proposal 2017.013P.A.v2.Ilarvirus_3sp. Create 3 species in the genus *Ilarvirus*, family *Bromoviridae*. http://ictv.global/proposals-17/2017.013P.A.v2.Ilarvirus_3sp.zip. Accessed 25 Apr 2018
72. Matthiesen R, Miller WA. Proposal 2017.014P.A.v1.Polerovirus_sp. Create species, *Maize yellow mosaic virus*, in the genus *Polerovirus*, family *Luteoviridae*. http://ictv.global/proposals-17/2017.014P.A.v1.Polerovirus_sp.zip. Accessed 25 Apr 2018
73. Ibaba JD, Gubba A, Laing MD. Proposal 2017.015P.A.v1.Polerovirus_sp. Create species, *Pepo aphid-borne yellows virus*, in the genus *Polerovirus*, family *Luteoviridae*. http://ictv.global/proposals-17/2017.015P.A.v1.Polerovirus_sp.zip. Accessed 25 Apr 2018
74. Geering A, Bömer M, Turaki AA, Seal SE, Teycheney P-Y. Proposal 2017.017P.A.v2.Badnavirus_6sp. Create 6 species in the genus *Badnavirus*, family *Caulimoviridae*. http://ictv.global/proposals-17/2017.017P.A.v2.Badnavirus_6sp.zip. Accessed 25 Apr 2018
75. Fuchs M, Agranovsky AA, Bar-Joseph M, Candresse T, Dolja V, Livieratos I, Martelli GP, Maree H, Melzer MJ, Menzel W, Minafra A, Sabanadzovic S. Proposal 2017.018P.A.v1.Ampelovirus_sp. Create a species in the genus *Ampelovirus*, family *Closteroviridae*. http://ictv.global/proposals-17/2017.018P.A.v1.Ampelovirus_sp.zip. Accessed 25 Apr 2018
76. Sabanadzovic S, Edwards M, Hammond R, Haenni A-L, Martelli GP, Dreher T. Proposal 2017.019P.A.v1.Marafivirus_2sp. Create two species in the genus *Marafivirus*, family *Tymoviridae*. http://ictv.global/proposals-17/2017.019P.A.v1.Marafivirus_2sp.zip. Accessed 25 Apr 2018
77. Kreuze J, Adams MJ, Candresse T, Hammond J, Menzel W, Pearson M, Saldarelli P, Vaira A, Yoshikawa N. Proposal 2017.020P.A.v1.Deltaflexiviridae. Create 3 species in a new genus, *Deltaflexivirus*, in a new family, *Deltaflexiviridae*, in the order *Tymovirales*. <http://ictv.global/proposals-17/2017.020P.A.v1.Deltaflexiviridae.zip>. Accessed 25 Apr 2018
78. Kreuze J, Adams MJ, Candresse T, Hammond J, Menzel W, Pearson M, Saldarelli P, Vaira AM, Yoshikawa N. Proposal 2017.021P.A.v3.Alpha-Betaflexiviridae_14sp. Create 14 new species in the *Alphaflexiviridae* and *Betaflexiviridae* families and assign the unassigned species *Blackberry virus E* to the genus *Allexivirus*. http://ictv.global/proposals-17/2017.021P.A.v3.Alpha-Betaflexiviridae_14sp.zip. Accessed 25 Apr 2018
79. Zell R, Delwart E, Gorbalenya AE, Hovi T, King AMQ, Knowles NJ, Lindberg AM, Pallansch MA, Palmenberg AC, Reuter G, Simmonds P, Skern T, Stanway G, Yamashita T. Proposal 2017.002S.A.v1.Aalivirus. Create 1 new species (*Aalivirus A*) in new genus (*Aalivirus*). <http://ictv.global/proposals-17/2017.002S.A.v1.Aalivirus.zip>. Accessed 25 Apr 2018
80. Zell R, Delwart E, Gorbalenya AE, Hovi T, King AMQ, Knowles NJ, Lindberg AM, Pallansch MA, Palmenberg AC, Reuter G, Simmonds P, Skern T, Stanway G, Yamashita T. Proposal 2017.003S.A.v1.Bopivirus. Create 1 new species (*Bopivirus A*) in a new genus (*Bopivirus*). <http://ictv.global/proposals-17/2017.003S.A.v1.Bopivirus.zip>. Accessed 25 Apr 2018
81. Zell R, Delwart E, Gorbalenya AE, Hovi T, King AMQ, Knowles NJ, Lindberg AM, Pallansch MA, Palmenberg AC, Reuter G, Simmonds P, Skern T, Stanway G, Yamashita T. Proposal 2017.004S.A.v2.Crohivirus. Create 2 new species (*Crohivirus A*, *Crohivirus B*) in a new genus (*Crohivirus*). <http://ictv.global/proposals-17/2017.004S.A.v2.Crohivirus.zip>. Accessed 25 Apr 2018
82. Zell R, Delwart E, Gorbalenya AE, Hovi T, King AMQ, Knowles NJ, Lindberg AM, Pallansch MA, Palmenberg AC, Reuter G, Simmonds P, Skern T, Stanway G, Yamashita T. Proposal 2017.005S.A.v1.Enterovirus_2sp. Create 2 new species, *Enterovirus K*, *Enterovirus L* in the genus *Enterovirus*. http://ictv.global/proposals-17/2017.005S.A.v1.Enterovirus_2sp.zip. Accessed 25 Apr 2018
83. Zell R, Delwart E, Gorbalenya AE, Hovi T, King AMQ, Knowles NJ, Lindberg AM, Pallansch MA, Palmenberg AC, Reuter G, Simmonds P, Skern T, Stanway G, Yamashita T. Proposal 2017.006S.A.v2.Kunsagivirus_2sp. Create 2 new species (*Kunsagivirus B* & *Kunsagivirus C*) in the genus *Kunsagivirus*. http://ictv.global/proposals-17/2017.006S.A.v2.Kunsagivirus_2sp.zip. Accessed 25 Apr 2018
84. Zell R, Delwart E, Gorbalenya AE, Hovi T, King AMQ, Knowles NJ, Lindberg AM, Pallansch MA, Palmenberg AC, Reuter G, Simmonds P, Skern T, Stanway G, Yamashita T. Proposal 2017.007S.A.v2.Megrivirus_4sp. Change the name of species *Melegrivirus A* to *Megrivirus A* and create 4 new species (*Megrivirus B*, *C*, *D*, *E*) in the genus *Megrivirus*. http://ictv.global/proposals-17/2017.007S.A.v2.Megrivirus_4sp.zip. Accessed 25 Apr 2018
85. Zell R, Delwart E, Gorbalenya AE, Hovi T, King AMQ, Knowles NJ, Lindberg AM, Pallansch MA, Palmenberg AC, Reuter G, Simmonds P, Skern T, Stanway G, Yamashita T. Proposal 2017.008S.A.v1.Orivirus. Create 1 new species (*Orivirus A*) in a new genus (*Orivirus*). <http://ictv.global/proposals-17/2017.008S.A.v1.Orivirus.zip>. Accessed 25 Apr 2018
86. Zell R, Delwart E, Gorbalenya AE, Hovi T, King AMQ, Knowles NJ, Lindberg AM, Pallansch MA, Palmenberg AC, Reuter G, Simmonds P, Skern T, Stanway G, Yamashita T. Proposal 2017.009S.A.v1.Shanbavirus. Create 1 new species (*Shanbavirus A*) in a new genus (*Shanbavirus*). <http://ictv.global/proposals-17/2017.009S.A.v1.Shanbavirus.zip>. Accessed 25 Apr 2018
87. Smith DB, Meyers G, Bukh J, Gould EA, Monath T, Muerhoff AS, Pletnev A, Rico-Hesse R, Stapleton JT, Simmonds P and Becher P. Proposal 2017.010S.A.v1.Pestivirus_7sp4spren. Rename four species and create seven species in the genus *Pestivirus*, family *Flaviviridae*. http://ictv.global/proposals-17/2017.010S.A.v1.Pestivirus_7sp4spren.zip. Accessed 25 Apr 2018
88. Olendraitė I, Lukhovitskaya NI, Porter SD, Valles SM, Firth AE. Proposal 2017.011S.A.v2.Polycipiviridae. In the order *Picornavirales*, create family *Polycipiviridae* comprising three genera, *Sopolycivirus*, *Hupolycivirus* and *Chipolycivirus*. <http://ictv.global/proposals-17/2017.011S.A.v2.Polycipiviridae.zip>. Accessed 25 Apr 2018

Affiliations

Andrew M. Q. King¹ · Elliot J. Lefkowitz² · Arcady R. Mushegian³ · Michael J. Adams⁴ · Bas E. Dutilh^{5,6} · Alexander E. Gorbalenya^{7,8} · Balázs Harrach⁹ · Robert L. Harrison¹⁰ · Sandra Junglen^{11,12} · Nick J. Knowles¹ · Andrew M. Kropinski¹³ · Mart Krupovic¹⁴ · Jens H. Kuhn¹⁵ · Max L. Nibert¹⁶ · Luisa Rubino¹⁷ · Sead Sabanadzovic¹⁸ · H el ene Sanfa on¹⁹ · Stuart G. Siddell²⁰ · Peter Simmonds²¹ · Arvind Varsani²² · Francisco Murilo Zerbini²³ · Andrew J. Davison²⁴

Andrew M. Q. King
amqking@gmail.com

Elliot J. Lefkowitz
elliott@uab.edu

Michael J. Adams
mike.adams.ictv@gmail.com

Bas E. Dutilh
bedutilh@gmail.com

Alexander E. Gorbalenya
a.e.gorbalenya@lumc.nl

Bal azs Harrach
harrach.balazs@agr.ar.mta.hu

Robert L. Harrison
robert.l.harrison@ars.usda.gov

Sandra Junglen
sandra.junglen@charite.de

Nick J. Knowles
nick.knowles@pirbright.ac.uk

Andrew M. Kropinski
phage.canada@gmail.com

Mart Krupovic
krupovic@pasteur.fr

Jens H. Kuhn
kuhnjens@mail.nih.gov

Max L. Nibert
mnibert@hms.harvard.edu

Luisa Rubino
luisa.rubino@cnr.it

Sead Sabanadzovic
ssabanadzovic@entomology.msstate.edu

H el ene Sanfa on
helene.sanfaon@agr.gc.ca

Stuart G. Siddell
stuart.siddell@bristol.ac.uk

Peter Simmonds
peter.simmonds@ndm.ox.ac.uk

Arvind Varsani
arvind.varsani@asu.edu

Francisco Murilo Zerbini
zerbini@ufv.br

Andrew J. Davison
andrew.davison@glasgow.ac.uk

² Department of Microbiology, University of Alabama at Birmingham (UAB), BBRB 276, 845 19th ST South, Birmingham, AL 35294-2170, USA

³ Division of Molecular and Cellular Biosciences, National Science Foundation, 2415 Eisenhower Avenue, Alexandria, VA 22314, USA

⁴ Minehead, UK

⁵ Theoretical Biology and Bioinformatics, Department of Biology, Utrecht University, Padualaan 8, 3584 CH Utrecht, The Netherlands

⁶ Centre for Molecular and Biomolecular Informatics, Radboud University Medical Centre, Geert Grooteplein 28, 6525 GA Nijmegen, The Netherlands

⁷ Department of Medical Microbiology, Leiden University Medical Center, P. O. Box 9600, E4-P, rm. E4-72, 2300 RC Leiden, The Netherlands

⁸ Faculty of Bioengineering and Bioinformatics, Lomonosov Moscow State University, Moscow 119899, Russia

⁹ Centre for Agricultural Research, Hungarian Academy of Sciences, Institute for Veterinary Medical Research, Hung aria krt. 21, Budapest 1143, Hungary

¹⁰ Invasive Insect Biocontrol and Behavior Laboratory, USDA, 10300 Baltimore Avenue, Bldg 007 Barc-West, Beltsville, MD 20705, USA

¹¹ Institute of Virology, Charit -Universit tsmedizin Berlin, corporate member of Free University Berlin, Humboldt-University Berlin, and Berlin Institute of Health, Rahel-Hirsch-Weg 3, Charit platz 1, 10117 Berlin, Germany

¹² German Center for Infection Research (DZIF), Berlin, Germany

¹³ Departments of Food Science and Pathobiology, University of Guelph, Guelph, ON N1G 2W1, Canada

¹⁴ Department of Microbiology, Institut Pasteur, 25 rue du Dr Roux, 75015 Paris, France

¹⁵ NIH/NIAID/DCR Integrated Research Facility at Fort Detrick (IRF-Frederick), B-8200, Research Plaza, Fort Detrick, Frederick, MD 21702, USA

¹⁶ Department of Microbiology and Immunobiology, Harvard Medical School, 77 Ave Louis, Pasteur, Boston, MA 02115, USA

¹⁷ Istituto per la Protezione Sostenibile delle Piante, CNR, SS Bari, Via Amendola 165/A, 70126 Bari, Italy

¹⁸ Department of Biochemistry, Molecular Biology, Entomology and Plant Pathology, Mississippi State University, 100 Old Hwy 12 Mail Stop 9775, Mississippi State, MS 39762, USA

¹ The Pirbright Institute, Ash Road, Pirbright GU24 0NF, Surrey, UK

- ¹⁹ Summerland Research and Development Centre, Agriculture and Agri-Food Canada, 4200 Highway 97, Summerland, BC V0H 1Z0, Canada
- ²⁰ Faculty of Biomedical Sciences, School of Cellular and Molecular Medicine, University of Bristol, University Walk, Bristol BS8 1TD, UK
- ²¹ Nuffield Department of Experimental Medicine, University of Oxford, Peter Medawar Building, South Parks Road, Oxford OX1 3SY, UK
- ²² The Biodesign Center for Fundamental and Applied Microbiomics, School of Life Sciences, Center for Evolution and Medicine, Arizona State University, P.O. Box 874701, Tempe, AZ 85287-4701, USA
- ²³ Departamento de Fitopatologia/BIOAGRO, Universidade Federal de Viçosa, Viçosa, MG 36570-900, Brazil
- ²⁴ MRC-University of Glasgow Centre for Virus Research, Sir Michael Stoker Building, 464 Bearsden Road, Glasgow G61 1QH, UK