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2020 TAXONOMIC UPDATE FOR PHYLUM *Negarnaviricota* (*Riboviria: Orthornavirae*), INCLUDING THE LARGE ORDERS *Bunyavirales* AND *Mononegavirales*

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Abstract

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Conflict of Interest

The authors declare no conflicts of interest.

Ethical approval

This article does not contain any studies with human participants or animals performed by any of the authors.

In March 2020, following the annual International Committee on Taxonomy of Viruses (ICTV) ratification vote on newly proposed taxa, the phylum *Negarnaviricota* was amended and emended. At the genus rank, 20 new genera were added, two were deleted, one was moved, and three were renamed. At the species rank, 160 species were added, four were deleted, ten were moved and renamed, and 30 species were renamed. This article presents the updated taxonomy of *Negarnaviricota* as now accepted by the ICTV.

Keywords

Arenaviridae; *Articulavirales*; *Artoviridae*; *Aspiviridae*; *Bornaviridae*; *Bunyavirales*; bunyavirus; *Filoviridae*; *Fimoviridae*; *Goujianvirales*; *Hantaviridae*; ICTV; International Committee on Taxonomy of Viruses; *Jingchuvirales*; megaclassification; megataxonomy; *Mononegavirales*; *Muvirales*; *Mymonaviridae*; *Nairoviridae*; *Negarnaviricota*; *Nyamiviridae*; *Orthomyxoviridae*; *Orthornavirae*; *Paramyxoviridae*; *Peribunyaviridae*; *Phasmaviridae*; *Phenuiviridae*; *Pneumoviridae*; *Rhabdoviridae*; *Riboviria*; *Serpentovirales*; *Sunviridae*; *Tenuivirus*; *Tospoviridae*; virus classification; virus nomenclature; virus taxonomy

INTRODUCTION

Phylum *Negarnaviricota* was established in 2019 by the International Committee on Taxonomy of Viruses (ICTV) for negative-sense RNA viruses that can be connected evolutionarily through their encoded RNA-directed RNA polymerase (RdRp) core domains. The phylum includes two subphyla, *Haploviricotina* and *Polyploviricotina*, for negative-sense RNA viruses that encode large (L) proteins with or without mRNA capping activity, respectively. The two subphyla include four classes (*Chunquiviricetes*, *Milneviricetes*, *Monjiviricetes*, and *Yunchangviricetes*) and two classes (*Ellioviricetes* and *Insthoviricetes*), respectively [56, 109, 136]. The vast majority of viruses that have been assigned to phylum *Negarnaviricota* belong to two orders: *Mononegavirales* (established in 1991 [92] and amended/emended in 1995 [16], 1997 [93], 2000 [94], 2005 [95], 2011 [32], 2016 [2], 2017 [7], March 2018 [8], October 2018 [66], and 2019 [9]) and *Bunyavirales* (established in 2017 and amended/emended in 2018 [64, 65] and 2019 [1]). Here we present the changes that were proposed to the entire phylum *Negarnaviricota* via official ICTV taxonomic proposals (TaxoProps) in 2019 and that were accepted by the ICTV in March 2020 [128]. These changes are now part of the official ICTV taxonomy.

TAXONOMIC CHANGES ABOVE THE PHYLUM RANK

Until recently, *Negarnaviricota*, included in realm *Riboviria* (established in 2019 [127]), was the only established phylum in the ICTV framework. In 2020, virus taxonomy was amended to include *Negarnaviricota* in the new riboviriad kingdom *Orthornavirae* as one of five sister phyla [55] (TaxoProp 2019.006G.A.v1.Riboviria).

TAXONOMIC CHANGES AT THE SUBPHYLUM RANK

No new subphyla were created.

TAXONOMIC CHANGES AT THE CLASS RANK

No new classes were created.

TAXONOMIC CHANGES AT THE ORDER RANK

No new orders were created.

Taxonomic changes within order *Goujianvirales* (*Haploviricotina*: *Yunchangviricetes*)

No changes were made.

Taxonomic changes within order *Jingchuvirales* (*Haploviricotina*: *Monjiviricetes*)

Family *Chuviridae*—One new species, *Taiyuan mivirus*, was added to genus *Mivirus* for Tàiyuán leafhopper virus (TYLeV) first discovered by high-throughput sequencing (HTS) in a leafhopper (*Psammotettix alienus* (Dahlbom, 1850)) sampled in Tàiyuán (太原), Shanxi Province (山西省), China [129] (TaxoProp 2019.018M.A.v2.1newsp_Taiyuan_mivirus).

Taxonomic changes within order *Mononegavirales* (*Haploviricotina*: *Monjiviricetes*)

Family *Artoviridae*—The family was expanded by one new genus, *Hexartovirus*, including one new species, *Caligid hexartovirus*, for *Lepeophtheirus salmonis* negative-stranded RNA virus 1 (LsNSRV-1) first discovered by HTS in salmon lice (*Lepeophtheirus salmonis* (Krøyer, 1837)) sampled on the west coast of Norway [81]. Species *Barnacle peropuvirus* was moved from genus *Peropuvirus* into genus *Hexartovirus* and renamed *Barnacle hexartovirus* (TaxoProp 2019.021M.A.v1.1newgenus_Hexartovirus).

Family *Bornaviridae*—No changes were made.

Family *Filoviridae*—The family was expanded by one genus, *Dianlovirus*, including a single new species, *Mengla dianlovirus*, for Mengla virus (MLAV) discovered by HTS in a *Rousettus* sp. bat sampled in Mengla County (勐腊县), Yunnan Province (云南省), China [145, 146] (TaxoProp 2019.011M.A.v1.Mengla_dianlovirus).

One new species, *Bombali ebolavirus*, was created in genus *Ebolavirus*, for Bombali virus (BOMV) first discovered by consensus PCR and confirmed by HTS in little free-tailed bats (*Chaerephon pumilus* (Cretzschmar, 1830–1831)) and Angolan free-tailed bats (*Mops condylurus* (A. Smith, 1833)) sampled in Bombali District, Northern Province, Sierra Leone [37] (TaxoProp 2019.007M.A.v2.Bombali_ebolavirus).

Family *Lispiviridae*—No changes were made.

Family *Mymonaviridae*—A new genus, *Hubramonavirus*, was established for two new species: *Hubei hubramonavirus* for Hubei rhabdo-like virus 4 (HbRLV-4) discovered by HTS in an arthropod mix collected in Hubei

Province (湖北省), China [106] and *Lentinula hubramonavirus* for *Lentinula edodes* negative-strand RNA virus 1 (LeNSRV-1) first detected by HTS in commercial shiitakes

(*Lentinula edodes* (Berk.) Pegler (1976)) sampled in Japan [60] (TaxoProp 2019.001F.A.v1.Hubramonavirus_1gen).

Family Nyamiviridae—No changes were made.

Family Paramyxoviridae—The overlooked deletion of species *Bat mumps orthorubulavirus* and the overlooked renaming of species *Synodus paramyxovirus* to *Synodus synodonvirus* were corrected (TaxoProp 2019.016M.A.v1.Corrections).

The family was expanded by three new genera: genus *Cynoglossusvirus* for the already established species *Cynoglossus paramyxovirus* (now renamed *Cynoglossus cynoglossusvirus*); genus *Hoplichthysvirus* for the already established species *Hoplichthys paramyxovirus* (now renamed *Hoplichthys hoplichthysvirus*); and genus *Scoliodonvirus* for the already established species *Scoliodon paramyxovirus* (now renamed *Scoliodon scoliodonvirus*) (TaxoProp 2019.025M.A.v2.Paramyxoviridae_3gen5sp4rensp).

Genus *Aquaparamyxovirus* was expanded by one species, *Oncorhynchus aquaparamyxovirus*, for Pacific salmon paramyxovirus (PSPV) first isolated from Chinook salmon (*Oncorhynchus tshawytscha* (Walbaum, 1792)) in Oregon, USA [135]. Species *Salmon aquaparamyxovirus* was renamed *Salmo aquaparamyxovirus* (TaxoProp 2019.025M.A.v2.Paramyxoviridae_3gen5sp4rensp).

Genus *Jeilongvirus* was expanded by one species, *Miniopteran jeilongvirus*, for “bat paramyxovirus isolate Bat-ParaV/B16–40” (here renamed Shaan virus [ShaV]) first isolated from a Schreibers’s long-fingered bat (*Miniopterus schreibersii* (Kuhl, 1817)) feces sampled in Danyang County (단양군), North Chungcheong Province (충청북도), South Korea [79] (TaxoProp 2019.025M.A.v2.Paramyxoviridae_3gen5sp4rensp).

Genus *Orthoavulavirus* was expanded erroneously by two species, *Avian orthoavulavirus 21* and *Avian orthovulavirus 21* [sic], for the same virus, “avian paramyxovirus 17” (here renamed avian paramyxovirus 21 [APMV-21]) first isolated from bird feces collected in Seosan (서산시), South Chungcheong Province (충청남도), South Korea [48] (TaxoProps 2019.014M.A.v1.Avulavirus_1newsp and 2019.025M.A.v2.Paramyxoviridae_3gen5sp4rensp).

Genus *Orthorubulavirus* was expanded by one species, *Mammalian orthorubulavirus 6*, for Alston virus (AlsV) first isolated from pteropodid bat urine sampled in Alstonville, New South Wales, Australia [49] (TaxoProp 2019.025M.A.v2.Paramyxoviridae_3gen5sp4rensp).

Genus *Pararubulavirus* was expanded by one species, *Hervey pararubulavirus*, for Hervey virus (HerV) first isolated from pteropodid bat urine sampled in Hervey Bay, Queensland, Australia [11, 53]. (TaxoProp 2019.025M.A.v2.Paramyxoviridae_3gen5sp4rensp).

Genus *Respirovirus* was expanded by one species, *Squirrel respirovirus*, for giant squirrel virus (GSqV) first isolated from a Sri Lankan giant squirrel (*Ratufa macroura* (Pennant, 1769)) sampled in a German zoo [35] (TaxoProp 2019.019M.A.v2.1newsp_Squirrel_respirovirus).

Family Rhabdoviridae—Genus *Almendravirus* was expanded by one species, *Menghai almdravivirus*, for Menghai rhabdovirus (MRV) first isolated from Asian tiger mosquitoes (*Aedes albopictus* (Skuse, 1894)) collected in M nghai County (勐海县) in Yúnnán Province (云南省), China [113] (TaxoProp 2019.033M.N.v1.Menghai_almdravivirus_1sp).

Genus *Nucleorhabdovirus* was split into three genera, *Alphanucleorhabdovirus*, *Betanucleorhabdovirus*, and *Gammanucleorhabdovirus* (TaxoProp 2019.031M.Ac.v1.Nucleorhabdovirus_splitgen). Established species *Eggplant mottled dwarf nucleorhabdovirus*, *Maize Iranian mosaic nucleorhabdovirus*, *Maize mosaic nucleorhabdovirus*, *Potato yellow dwarf nucleorhabdovirus*, *Rice yellow stunt nucleorhabdovirus*, and *Taro vein chlorosis nucleorhabdovirus* were assigned to genus *Alphanucleorhabdovirus* and renamed *Eggplant mottled dwarf alphanucleorhabdovirus*, *Maize Iranian mosaic alphanucleorhabdovirus*, *Maize mosaic alphanucleorhabdovirus*, *Potato yellow dwarf alphanucleorhabdovirus*, *Rice yellow stunt alphanucleorhabdovirus*, and *Taro vein chlorosis alphanucleorhabdovirus*, respectively. Established species *Datura yellow vein nucleorhabdovirus*, *Sonchus yellow net nucleorhabdovirus*, and *Sowthistle yellow vein nucleorhabdovirus* were assigned to genus *Betanucleorhabdovirus* and renamed *Datura yellow vein betanucleorhabdovirus*, *Sonchus yellow net betanucleorhabdovirus*, and *Sowthistle yellow vein betanucleorhabdovirus*, respectively. Established species *Maize fine streak nucleorhabdovirus* was assigned to genus *Gammanucleorhabdovirus* and renamed *Maize fine streak gammanucleorhabdovirus* (TaxoProp 2019.031M.Ac.v1.Nucleorhabdovirus_splitgen).

Three new species were established in genus *Alphanucleorhabdovirus*:

- *Morogoro maize-associated alphanucleorhabdovirus* for Morogoro maize-associated virus (MMaV) first detected by HTS in maize (*Zea mays* L.) sampled in Morogoro, Morogoro Region, Tanzania [97];
- *Physostegia chlorotic mottle alphanucleorhabdovirus* for Physostegia chlorotic mottle virus (PhCMoV) first isolated from lionhearts (*Physostegia* sp.) in Austria [76]; and
- *Wheat yellow striate alphanucleorhabdovirus* for wheat yellow striate virus (WYSV) first isolated from common wheat (*Triticum aestivum* L.) sampled in Hánchéng (韩城), Shǎnx /Shaanxi Province (陕西省), China [61] (TaxoProp 2019.031M.Ac.v1.Nucleorhabdovirus_splitgen).

Three new species were established in genus *Betanucleorhabdovirus*:

1. *Alfalfa betanucleorhabdovirus* for alfalfa-associated nucleorhabdovirus (AaNv) first discovered by HTS in alfalfa (*Medicago sativa* L.) sampled in Stadl-Paura, Upper Austria (Oberösterreich), Austria [36];
2. *Blackcurrant betanucleorhabdovirus* for blackcurrant-associated rhabdovirus (BCaRV) first discovered by HTS in blackcurrant (*Ribes nigrum* L.) sampled in Russia [138]; and

3. *Trefoil betanucleorhabdovirus* for birds-foot trefoil-associated virus (BFTV) first discovered by HTS in Bird's-foot trefoil (*Lotus corniculatus* L.) sampled in the Qínling Mountains (秦岭山), Shānxī /Shaanxi Province (陕西省), China [26, 131] (TaxoProp 2019.031M.Ac.v1.Nucleorhabdovirus_splitgen).

One new genus, *Arurhavirus*, was established to include four species:

- *Aruac arurhavirus* for Aruac virus (ARUV) first isolated from mosquitoes (*Trichoprosopon theobaldi* Lane and Cerqueira, 1942) collected in Melaju Forest, Trinidad, Trinidad and Tobago [110, 126];
- *Inhangapi arurhavirus* for Inhangapi virus (INHV) first isolated from sandflies (*Lutzomyia flaviscutellata* (Mangabeira, 1942)) collected in Catu Forest, Belém, Pará State, Brazil [3, 126];
- *Santabarbara arurhavirus* for Santa Barbara virus (SBAV) first in mice sampled in Santa Bárbara do Pará, Pará State, Brazil [unpublished]; and
- *Xiburema arurhavirus* for Xiburema virus (XIBV) first isolated from mosquitoes (*Sabethes intermedius* (Lutz, 1904)) sampled in Sena Madureira, Acre State, Brazil [51, 132] (2019.006M.A.v1.Arurhavirus_1gen4sp).

One new genus, *Barhavirus*, was established to include two new species:

- *Bahia barhavirus* for Bahia Grande virus (BGV) first isolated from mosquitoes (*Aedes*, *Culex*, *Anopheles*, *Psorophora* spp.) collected in Texas, Louisiana, New Mexico, and North Dakota, USA [52, 126]; and also for Harlingen virus (HARV) first isolates from a isolated from salt marsh mosquitoes (*Culex salinarius* Coquillett, 1904) sampled in Harlingen, Texas, USA [126].
- *Muir barhavirus* for Muir Springs virus (MSV) first isolated from mosquitoes (*Aedes* sp.) collected in Fort Morgan, Colorado, USA [52, 126] (TaxoProp 2019.012M.A.v1.Rhabdoviridae_5gen8sp1reasp).

One new genus, *Lostrhavirus*, was established to include new species *Lonestar zarhavirus* [sic] for lone star tick rhabdovirus (LSTRV) first detected by HTS in lone star ticks (*Amblyomma americanum* (Linnaeus, 1758)) collected in the USA [unpublished] (TaxoProp 2019.012M.A.v1.Rhabdoviridae_5gen8sp1reasp).

One new genus, *Mousrhavirus*, was established to include the previously established species *Moussa virus* (now renamed *Moussa mousrhavirus*) (TaxoProp 2019.012M.A.v1.Rhabdoviridae_5gen8sp1reasp).

One new genus, *Ohlsrhavirus*, was established to include five new species:

- *Culex ohlsrhavirus* for Culex rhabdo-like virus (CRLV) first discovered by HTS in southern house mosquitoes (*Culex quinquefasciatus* Say, 1823) collected near Perth, Western Australia, Australia [107];
- *Northcreek ohlsrhavirus* for North Creek virus (NORCV) first discovered by HTS in mosquitoes (*Culex sitiens* Wiedemann, 1828) collected in Ballina, New South Wales, Australia [23];

- *Ohlsdorf ohlsrhavirus* for Ohlsdorf virus (OHLDV) first discovered by HTS in mosquitoes (*Ochlerotatus cantans* (Meigen, 1818)) collected in Hamburg, Germany [105];
- *Riverside ohlsrhavirus* for riverside virus (RISV) first discovered by HTS in mosquitoes (*Ochlerotatus* sp.) collected in Gemenc, Gyékényes, and Drávaszabolcs, Hungary [98]; and
- *Tongilchon ohlsrhavirus* for Tongilchon virus 1 (TCHV-1) first detected in mosquitoes (*Culex bitaeniorhynchus* Giles, 1901) collected in Tongil-chon (통일촌), Gyeonggi Province (경기도), South Korea [39] (TaxoProp 2019.032M.N.v1.Ohlsrhavirus_1gen5sp).

One new genus, *Sawgrhavirus*, was established to include four new species:

- *Connecticut sawgrhavirus* for Connecticut virus (CNTV) first isolated from ticks (*Ixodes dentatus* Marx, 1899) taken from an eastern cottontail (*Sylvilagus floridanus* (J. A. Allen, 1890)) captured in Lyme, Connecticut, USA [67, 126];
- *Island sawgrhavirus* for Long Island tick rhabdovirus (LITRV) first detected by HTS in lone star ticks (*Amblyomma americanum* (Linnaeus, 1758)) collected on Long Island, New York, USA [119];
- *Minto sawgrhavirus* for New Minto virus (NMV) first isolated from rabbit ticks (*Haemaphysalis leporispalustris* Packard, 1869) sampled in New Minto, Alaska, USA [99, 126]; and
- *Sawgrass sawgrhavirus* for Sawgrass virus (SAWV) isolated from American dog ticks (*Dermacentor variabilis* (Say, 1821)) sampled at Sawgrass Lake, Tampa Bay, Florida, USA [102, 126] (TaxoProp 2019.012M.A.v1.Rhabdoviridae_5gen8sp1reasp).

One new genus, *Sunrhavirus*, was established to accommodate six novel species:

- *Garba sunrhavirus* for Garba virus (GARV) first isolated from a malachite kingfisher (*Corythornis cristatus* (Pallas, 1764)) trapped in Bangui, Central African Republic [51, 126];
- *Harrison sunrhavirus* for Harrison Dam virus (HARDV) first isolated from common banded mosquitoes (*Culex annulirostris* Skuse, 1889) collected at Beatrice Hill, Northern Territory, Australia [71];
- *Kwatta sunrhavirus* for Kwatta virus (KWAV) first isolated from mosquitoes (*Culex* sp.) collected near Paramaribo, Suriname [25, 126];
- *Oakvale sunrhavirus* for Oak Vale virus (OVV) first isolated from mosquitoes (*Culex edwardsi* Barraud, 1923) sampled in Peachester, Queensland, Australia [77, 96];
- *Sunguru sunrhavirus* for Sunguru virus (SUNV) first isolated from a domestic chicken (*Gallus gallus domesticus* (Linnaeus, 1758)) in Arua District, Northern Region, Uganda [58]; and

- *Walkabout sunrhavirus* for Walkabout Creek virus (WACV) first isolated from biting midges (*Culicoides austropalpalis* Lee and Reye, 1955) collected near Samford, Queensland, Australia [71] (2019.004M.A.v2.Sunrhavirus).

One new genus, *Zarhavirus*, was created for one new species, *Zahedan zarhavirus*, for Zahedan rhabdovirus (ZARV) first isolated from ticks (*Hyalomma anatolicum anatolicum* (Koch, 1844)) collected in Zâhedân (زاهدان), Sistan and Baluchestan Province (استان سیستان و بلوچستان), Iran [28] (TaxoProp 2019.012M.A.v1.Rhabdoviridae_5gen8sp1reasp).

One new species, *Taiwan bat lyssavirus*, was added to genus *Lyssavirus* for Taiwan bat lyssavirus (TWBLV) first isolated from a Japanese pipistrelle (*Pipistrellus abramus* (Temminck, 1838)) sampled in Taiwan [45] (TaxoProp 2019.001M.A.v1.Lyssavirus).

Genus *Cytorhabdovirus* was expanded by 12 species:

- *Cabbage cytorhabdovirus* for cabbage cytorhabdovirus 1 (CCyV-1) first discovered by HTS in cabbage (*Brassica oleracea* L.) sampled in the UK [89];
- *Maize-associated cytorhabdovirus* for maize-associated cytorhabdovirus (MaCV) first discovered by HTS in maize (*Zea mays* L.) collected in Lima, Peru [133];
- *Maize yellow striate cytorhabdovirus* for maize yellow striate virus (MYSV) first discovered by HTS in maize (*Zea mays* L.) and common wheat (*Triticum aestivum* L.) collected in Sinsacate, Córdoba Province, Argentina [70];
- *Papaya cytorhabdovirus* for papaya virus E (PpVE) first discovered by HTS in papaya (*Carica papaya* L.) sampled in Los Ríos Province, Ecuador [73];
- *Persimmon cytorhabdovirus* for persimmon virus A (PeVA) first discovered by HTS in Japanese persimmon (*Diospyros kaki* L.f.) sampled in Japan [47];
- *Raspberry vein chlorosis cytorhabdovirus* for raspberry vein chlorosis virus (RVCV) first discovered by HTS in red raspberries (*Rubus idaeus* L.) sampled in Dundee, Scotland, UK [50];
- *Rice stripe mosaic cytorhabdovirus* for rice stripe mosaic virus (RSMV) first discovered by HTS in rice (*Oryza sativa* L.) sampled in Luódìng (罗定), Guǎngdōng Province (广东省), China [147];
- *Tomato yellow mottle-associated cytorhabdovirus* for tomato yellow mottle-associated virus (TYMaV) first discovered by HTS in tomato (*Solanum lycopersicum* L.) sampled in Chóngqìng (重庆), China [141];
- *Wuhan 4 insect cytorhabdovirus* for Wuhan insect virus 4 (WuIV-4) first discovered by HTS in mealy plum aphids (*Hyalopterus pruni* (Geoffroy, 1762)) sampled in Wǔhàn (武汉), Húběi Province (湖北省), China [59];
- *Wuhan 5 insect cytorhabdovirus* for Wuhan insect virus 5 (WuIV-5) first discovered by HTS in mealy plum aphids (*Hyalopterus pruni* (Geoffroy, 1762)) sampled in Wǔhàn (武汉), Húběi Province (湖北省), China [59];

- *Wuhan 6 insect cytorhabdovirus* for Wuhan insect virus 6 (WuIV-6) first discovered by HTS in mealy plum aphids (*Hyalopterus pruni* (Geoffroy, 1762)) sampled in Wūhàn (武汉), Húb i Province (湖北省), China [59]; and
- *Yerba mate chlorosis-associated cytorhabdovirus* for yerba mate chlorosis-associated virus (YmCaV) [12] first discovered by HTS in yerba mate (*Ilex paraguariensis* A. St.-Hil.) sampled in Cerro Azul, Misiones Province, Argentina (TaxoProps 2019.002M.A.v3.Cytorhabdovirus and 2019.030M.A.v1.Cytorhabovirus_12newsp).

One new species, Holmes hapavirus, was added to genus *Hapavirus* for Holmes Jungle virus (HOJV) first isolated from common banded mosquitoes (*Culex annulirostris* Skuse, 1889) collected near Darwin, Northern Territory, Australia [38] (2019.003M.A.v3.Hapavirus).

Three new species were added to genus *Sripuvirus*:

- *Charleville sripuvirus* for Charleville virus (CHVV) first isolated from sandflies (*Phlebotomus* sp.) collected in Charleville, Queensland, Australia [29, 123];
- *Cuiaba sripuvirus* for Cuiaba virus (CUIV) isolated from a cane toad (*Rhinella marina* (Linnaeus, 1758)) captured in Pará State, Brazil [51, 123]; and
- *Hainan sripuvirus* for Hainan black-spectacled toad rhabdovirus (HnBSTRV) first detected by HTS in an Asian common toad (*Duttaphrynus melanostictus* (Schneider, 1799)) sampled in Hǎinán Province (海南省), China [108] (TaxoProp 2019.013M.A.v1.Sripuvirus_3newsp).

Taxonomic changes within order *Muvirales* (*Haploviricotina*: *Chunquiviricetes*)

No changes were made.

Taxonomic changes within order *Serpentovirales* (*Haploviricotina*: *Milneviricetes*)

No changes were made.

Taxonomic changes within order *Articulavirales* (*Polyploviricotina*: *Insthoviricetes*)

No changes were made.

Taxonomic changes within order *Bunyavirales* (*Polyploviricotina*: *Ellioviricetes*)

Family *Arenaviridae*—Genus *Hartmanivirus* was expanded by three species: *Muikkunen hartmanivirus* for Dante Muikkunen virus 1 (DaMV-1), *Schoolhouse hartmanivirus* for old schoolhouse viruses 1 and 2 (OScV-1/2), and *Zurich hartmanivirus* for veterinary pathology Zurich viruses 1 and 2 (VPZV-1/2), all first detected by HTS in captive boid snakes [44] (TaxoProp 2019.008M.A.v2.Hartmanivirus_3new sp).

Genus *Mammarenavirus* was expanded by four species:

- *Alxa mammarenavirus* for RtDs-AreV/IM2014 virus (here renamed Alxa virus [ALXV]) (TaxoProp 2019.020M.A.v2.1newsp_Alxa_mammarenavirus) first discovered by HTS in a Northern three-toed jerboa (*Dipus sagitta* (Pallas, 1773))

sampled in Alxa Left Banner (阿拉善左旗), Inner Mongolia Autonomous Region (内蒙古自治区), China [139, 140];

- *Chevrier mammarenavirus* for Liji ng virus (LIJV) first discovered by HTS in a Chevrier's field mouse (*Apodemus chevrieri* (Milne-Edwards, 1868)) sampled around Liji ng (丽江), Yúnnán Province (云南省), China [unpublished] (TaxoProp 2019.009M.A.v2.Mammarenavirus_sp_LIJV);
- *Planalto mammarenavirus* for Aporé virus (APOV) first discovered by HTS in a Mato Grosso colilargo (*Oligoryzomys mattogrossae* (J. A. Allen, 1916)) sampled in Cassilândia, Mato Grosso do Sul State, Brazil (TaxoProp 2019.010M.A.v1.Mammarenavirus_sp_APOV) [34]; and
- *Xapuri mammarenavirus* for Xapuri virus (XAPV) first discovered by HTS in a Musser's neacomys (*Neacomys musseri* Patton, da Silva, and Malcolm, 2000) sampled in Xapuri, Acre State, Brazil [33] (TaxoProp 2019.005M.A.v1.Mammarenavirus_sp_XAPV).

Family Fimoviridae—Genus *Emaravirus* was expanded by two species: *Blackberry leaf mottle associated emaravirus* for blackberry leaf mottle-associated virus (BLMaV) first discovered in blackberries (*Rubus* spp.) collected in various US states (TaxoProp 2019.010P.A.v1.Emaravirus_1sp) [41] and *Pistacia emaravirus B* for pistacia virus B (PiVB) discovered by HTS in pistachios (*Pistacia vera* L.) sampled in Turkey [18] (TaxoProp 2019.011P.A.v1.Emaravirus_1sp).

Family Hantaviridae—Genus *Loanvirus* was expanded by one species, *Brno loanvirus*, for Brno virus (BRNV) first discovered by HTS in a noctule (*Nyctalus noctula* (Schreber, 1774)) sampled in Brno, South Moravia Region (Jihomoravský kraj), Czech Republic [112] (TaxoProp 2019.017M.A.v3.1newsp_Brno_virus).

Family Peribunyaviridae—Genus *Pacuvirus* was expanded by two species: new species *Caimito pacuvirus* for Caimito virus (CAIV) first isolated from sandflies (*Nyssomyia ylephiletor* (Fairchild and Hertig, 1952)) sampled in El Aguacate, Panamá Province, Panama [46, 116] (TaxoProp 2019.022M.A.v2.2sp_Pacuvirus) and *Chilibre pacuvirus* (the former *Chilibre phlebovirus*, renamed and moved from genus *Phlebovirus*) (TaxoProps 2019.022M.A.v2.2sp_Pacuvirus and 2019.026M.A.v1.Phenuiviridae_4gen79sp).

Family Phasmaviridae—The previously established genus *Inshuvirus* and its included species *Insect inshuvirus* were both abolished due to insufficient member virus information (TaxoProp 2019.028M.A.v2.Phasmaviridae_1newsp_abol1gen3sp).

New species *Anopheles orthophasmavirus* was included in genus *Orthophasmavirus* for *Anopheles triannulatus orthophasmavirus* (AtOPV) first discovered by HTS in mosquitoes (*Anopheles triannulatus* (Neiva and Pinto, 1922)) sampled in Santa Bárbara Farm, Amapá State, Brazil [103]. Two species, *Nome phantom orthophasmavirus* and *Seattle orthophasmavirus*, were abolished (TaxoProp 2019.028M.A.v2.Phasmaviridae_1newsp_abol1gen3sp).

Family Phenuiviridae—The previously unassigned genus *Coguvirus* was included in family *Phenuiviridae* (TaxoProp 2019.026M.A.v1.Phenuiviridae_4gen79sp). One new species, *Coguvirus eburi*, was created in the genus for citrus virus A (CiVA) first discovered by HTS in a sweet orange tree in Italy [78] (2019.004P.A.v1.Coguvirus_1sp).

Genus *Banyangvirus* and included species *Huaiyangshan banyangvirus*, *Guertu banyangvirus*, and *Heartland banyangvirus* were renamed *Bandavirus*, *Dabie bandavirus*, *Guertu bandavirus*, and *Heartland bandavirus*, respectively (TaxoProps 2019.015M.A.v1.Bandavirus and 2019.026M.A.v1.Phenuiviridae_4gen79sp). Four new bandavirus species were added to the genus:

- *Bhanja bandavirus* for Bhanja virus (BHAV) first isolated from flat-inner-spurred haemaphysalids (*Haemaphysalis intermedia* Warburton and Nuttall, 1909) sampled in Orissa State, India [27, 104];
- *Hunter Island bandavirus* for Hunter Island virus (HUIV) first isolated from ticks (*Ixodes eudyptidis* Maskell, 1885) sampled on Albatross Island, Tasmania, Australia [130];
- *Kismaayo bandavirus* for Kismaayo virus (KISV; name corrected from the previously circulating “Kismayo virus” and “Kisemayo virus”) first isolated from yellow back ticks (*Rhipicephalus pulchellus* (Gerstäcker, 1873)) sampled in Kismaayo, Lower Juba (Jubbada Hoose) Region, Somalia [149]; and
- *Lone Star bandavirus* [sic] for lone star virus (LSV) first isolated from lone star ticks (*Amblyomma americanum* (Linnaeus, 1758)) sampled in Kentucky, USA [54, 114] (TaxoProp 2019.026M.A.v1.Phenuiviridae_4gen79sp).

Genus *Entovirus* was created for one new species, *Entoleuca entovirus*, for Entoleuca phenui-like virus 1 (EnPLV-1) first discovered by HTS in *Entoleuca* sp. fungi sampled in Málaga Province, Spain [124] (TaxoProp 2019.026M.A.v1.Phenuiviridae_4gen79sp).

Genus *Kabutovirus* and included species *Kabuto mountain kabutovirus* and *Huangpi kabutovirus* were renamed *Uukuvirus*, *Kabuto mountain uukuvirus*, and *Huangpi uukuvirus*, respectively. The established species *Uukuniemi phlebovirus* was moved into genus *Uukuvirus* and renamed *Uukuniemi uukuvirus*. 14 new species were established in genus *Uukuvirus*:

- *American dog uukuvirus* for American dog tick virus (ADAV) first detected by HTS in American dog ticks (*Dermacentor variabilis* (Say, 1821)) sampled in Heckscher State Park, New York, USA [120];
- Dabieshan uukuvirus for Dàbiéshān tick virus (DbsTV) first discovered by HTS in Asian longhorned ticks (*Haemaphysalis longicornis* Neumann, 1901) collected in the Dàbié Mountains (大别山), China [59];
- *Grand Arbaud uukuvirus* for Grand Arbaud virus (GAV) first isolated from ticks (*Argas reflexus* (Fabricius, 1794)) sampled in Bouches-du-Rhône Department, France [40, 85];

- *Kaisodi uukuvirus* for Kaisodi virus (KASDV) first isolated from hard-bodied ticks (*Haemaphysalis spinigera* Neumann, 1897) sampled in Mysore State, India [14, 88, 144];
- *Lihan uukuvirus* for Lihán tick virus (LITV) first discovered by HTS in Asian blue ticks (*Rhipicephalus microplus* (Canestrini, 1888)) sampled in Lihán (李韩), Húbí Province (湖北省), China [59];
- *Murre uukuvirus* for murre virus (MURV) first isolated from common murrens (*Uria aalge* (Pontoppidan, 1763)) sampled in Alaska, USA [85];
- *Pacific coast uukuvirus* for Pacific coast tick virus (PACTV) first discovered by HTS in Pacific coast ticks (*Dermacentor occidentalis* Marx, 1892) sampled in Mendocino County, California, USA [17];
- *Precarious Point uukuvirus* for Precarious Point virus (PPV) first isolated from seabird ticks (*Ixodes uriae* White, 1852) sampled on Macquarie Island, Tasmania, Australia [85, 111];
- *Rukutama uukuvirus* for Rukutama virus (RUKV) first isolated from seabird ticks (*Ixodes uriae* White, 1852) sampled on Tùlenij/Tyuleny Island (Остров Тюлений), Sakhalin Oblast (Сахалинская область), Russia [63, 150];
- *Schmidt uukuvirus* for EgAn 1825–61 virus (here renamed Nile warbler virus [NIWV]) first isolated from a willow warbler (*Phylloscopus trochilus* (Linnaeus, 1758)) sampled in Nile Delta, Egypt [85];
- *Silverwater uukuvirus* for Silverwater virus (SILV) first isolated from rabbit ticks (*Haemaphysalis leporispalustris* Packard, 1869) sampled near Powassan, Ontario, Canada [69, 72];
- *Tacheng uukuvirus* for Tǎchéng tick virus 2 (TcTV-2) first discovered by HTS in ticks (*Dermacentor marginatus* Sulzer, 1776) sampled in China [59];
- *Yongjia uukuvirus* for Yǒngjī tick virus 1 (YjTV-1) first discovered by HTS in East Asian mountain haemaphysalids (*Haemaphysalis hystricis* Supino, 1897) in China [59]; and
- *Zaliv Terpeniya uukuvirus* for Zaliv Terpeniya virus (ZTV) first isolated from seabird ticks (*Ixodes uriae* White, 1852) sampled on Tyuleny Island (Тюлений остров) in the Gulf of Patience (Залив Терпения), Sakhalin Oblast (Сахалинская область) and Commander Islands (Командорские острова), Kamchatka Krai (Камчатский край), RSFSR, USSR [62, 151] (TaxoProp 2019.026M.A.v1.Phenuiviridae_4gen79sp).

Genus *Ixovirus* was established for the three new species:

- *Blackleg ixovirus* for blacklegged tick phlebovirus 1, here renamed blacklegged tick virus 1 (BLTV-1), first discovered by HTS in deer ticks (*Ixodes scapularis* Say, 1821) sampled in Heckscher State Park, New York, USA [120];

- *Norway ixovirus* for Norway phlebovirus 1, here renamed Fairhair virus (FHAV), first discovered by HTS in castor bean ticks (*Ixodes ricinus* (Linnaeus, 1758)) sampled in Norway [91]; and
- *Scapularis ixovirus* for blacklegged tick phlebovirus 3, here renamed blacklegged tick virus 3 (BLTV-3), first discovered by HTS in deer ticks (*Ixodes scapularis* Say, 1821) sampled in Heckscher State Park, New York, USA [120] (TaxoProp 2019.026M.A.v1.Pheniiviridae_4gen79sp).

Genus *Lentinivirus* was created for one new species, *Lentinula lentinivirus*, for Lentinula edodes negative-strand RNA virus 2 (LeNSRV-2) first discovered by HTS in shiitake (*Lentinula edodes* (Berk.) Pegler (1976)) sampled in Japan [60] (TaxoProp 2019.026M.A.v1.Pheniiviridae_4gen79sp).

In genus *Phlebovirus*, established species *Sandfly fever Naples phlebovirus* was renamed *Naples phlebovirus*. The genus was expanded by 53 new species (TaxoProp 2019.026M.A.v1.Pheniiviridae_4gen79sp):

- *Adana phlebovirus* for Adana virus (ADAV) first isolated from *Phlebotomus* spp. sandflies sampled in Adana, Adana Province (Adana ili), Turkey [4];
- *Aguacate phlebovirus* for Aguacate virus (AGUV) first isolated from *Lutzomyia* spp. sandflies sampled in El Aguacate, Panamá Province, Panama [82, 116];
- *Alcubé phlebovirus* for Alcubé virus (ACBV) first isolated from sandflies (*Phlebotomus perniciosus* Newstead, 1911) sampled around Arrábida, Portugal [10];
- *Alenquer phlebovirus* for Alenquer virus (ALEV) first isolated from a human in Ramal das Pias, Alenquer, Pará State, Brazil [83, 122];
- *Ambe phlebovirus* for Ambe virus (ABEV) first isolated from psychodid sandflies sampled near Altamira, Pará State, Brazil [80, 118];
- *Anhangá phlebovirus* for Anhangá virus (ANHV) first isolated from a Linnaeus's two-toed sloth (*Choloepus didactylus* (Linnaeus, 1758)) sampled in Castanhal Forest, Pará State, Brazil [80];
- *Arumowot phlebovirus* for Arumowot virus (AMTV) first isolated from mosquitoes (*Culex antennatus* (Becker, 1903)) sampled in Sudan [13, 84];
- *Buenaventura phlebovirus* for Buenaventura virus (BUEV) first isolated in 1984 from *Lutzomyia* sp. sandflies sampled in Rio Raposo, Valle del Cauca Department, Colombia [87, 116];
- *Cacao phlebovirus* for Cacao virus (CACV) first isolated from sandflies (*Nyssomyia trapidoi* (Fairchild and Hertig, 1952)) sampled in El Aguacate, Panamá Province, Panama [87, 116];
- *Campana phlebovirus* for Campana virus (CMAV) first isolated from phlebotomine sandflies sampled in El Aguacate, Panamá Province, Panama [87];

- *Chagres phlebovirus* for Chagres virus (CHGV) first isolated from a human sampled at Fort Sherman, Canal Zone/Cólon Province, Panama [90];
- *Cocle phlebovirus* for Coclé virus (CCLV) first isolated from a human sampled in Penonomé, Coclé Province, Panama [87];
- *Dashli phlebovirus* for D shl virus (DASV) first isolated from *Sergentomyia* sp. sandflies sampled in D shl borun (دشلی بورن), Golest n Province (گلستان), Iran [6];
- *Durania phlebovirus* for Durania virus (DRNV) first isolated from sandflies sampled in 1986 near Durania, North Santander Department, Colombia [82, 118];
- *Echarate phlebovirus* for Echarate virus (ECHV) first isolated from a human sampled in Cusco, Peru [83];
- *Gabek phlebovirus* for Gabek Forest virus (GFV) first isolated from a northeast African spiny mouse (*Acomys cahirinus* (É. Geoffroy, 1803)) sampled in Gabek Forest, near Paloich, Sudan [86];
- *Gordil phlebovirus* for Gordil virus (GORV) first isolated from a typical lemniscomys (*Lemniscomys striatus* (Linnaeus, 1758)) sampled in Gordil, Vakaga Prefecture, Central African Republic [86];
- *Icoaraci phlebovirus* for Icoaraci virus (ICOV) first isolated from from an unidentified forest rat sampled in Belém, Pará State, Brazil [19, 142];
- *Itaituba phlebovirus* for Itaituba virus (ITAV) first isolated from a common opossum (*Didelphis marsupialis* Linnaeus, 1758) trapped at the Tapacurazinho stream, Itaituba, Pará State, Brazil [83, 122];
- *Itaporanga phlebovirus* for Itaporanga virus (ITPV) first isolated from a sentinel Swiss mouse collected in Itaporanga, São Paulo State, Brazil [46, 121];
- *Ixcanal phlebovirus* for Ixcanal virus (IXCV) first isolated from *Lutzomyia* sp. sandflies sampled in Aldea Ixcanal and Aldea Puerta, El Progreso Department, Guatemala [82, 118];
- *Karimabad phlebovirus* for Karimabad virus (KARV) first isolated from Phlebotomus sp. sandflies in Kar m b d (کارمبده), Kh zest n Province (کهزستان), Iran [86];
- *La Gloria phlebovirus* for La Gloria virus (LAGV) first discovered by HTS in phlebotomine sandflies sampled near La Gloria village, Panama Canal area, central Panama [68];
- *Lara phlebovirus* for GGP-2011a virus (here renamed Rio Claro virus [RICV]) first isolated from a sentinel hamster sampled in Venezuela [unpublished];
- *Leticia phlebovirus* for Leticia virus (LETV) first isolated from sandflies sampled in Leticia, Amazonas Department, Colombia [87];
- *Maldonado phlebovirus* for Maldonado virus (MLOV) first isolated from a human sampled in Puerto Maldonado, Madre de Dios Region, Peru [83];

- *Massilia phlebovirus* for Massilia virus (MASV) first isolated from sandflies (*Phlebotomus perniciosus* Newstead, 1911) sampled in Marseille and Nice, Provence-Alpes-Côte d'Azur, France [20, 86];
- *Medjerda phlebovirus* for Medjerda Valley virus (MVV) first isolated from phlebotomine sandflies sampled at an archaeological site in Bizerte Governorate, Tunisia [15];
- *Mona Grita phlebovirus* for Mona Grita virus (MOGV) first discovered by HTS in sandflies (*Nyssomyia trapidoi* (Fairchild and Hertig, 1952)) sampled on Isla Mona Grita, Panama Canal, central Panama [68];
- *Munguba phlebovirus* for Munguba virus (MUNV) first isolated from sandflies (*Nyssomyia umbratilis* (Ward and Fraiha, 1977)) sampled in Monte Dourado, Pará State, Brazil [80, 122];
- *Nique phlebovirus* for Nique virus (NIQV) first isolated from sandflies (*Lutzomyia panamensis* (Shannon, 1926)) sampled in Cerro Nique, Darién Province, Panama [83, 117];
- *Ntepes phlebovirus* for Ntepes virus (NTPV) first isolated from *Sergentomyia* sp. sandflies sampled near Ntepes village, Marigat District, Baringo County, Kenya [115];
- *Odrénisrou phlebovirus* for Odrénisrou virus (ODRV) first isolated from mosquitoes (*Culex albiventris* Edwards, 1922) collected in the forest of Taï National Park, Côte d'Ivoire [84];
- *Oriximina phlebovirus* for Oriximiná virus (ORXV) first isolated from *Lutzomyia* sp. sandflies sampled in Saracazinho, Pará State, Brazil [83, 122];
- *Pena Blanca phlebovirus* for Peña Blanca virus (PEBV) first discovered by HTS in sandflies sampled on Peña Blanca peninsula, Panama Canal, central Panama [68];
- *Punique phlebovirus* for Punique virus (PUNV) first isolated from sandflies (*Phlebotomus perniciosus* Newstead, 1911 and *Phlebotomus longicuspis* Nitzulescu, 1930) sampled in Tunis, Tunisia [86];
- *Rio Grande phlebovirus* for Rio Grande virus (RGV) first isolated from a Southern Plains woodrat (*Neotoma micropus* Baird, 1855) sampled in Texas, USA [46];
- *Saint Floris phlebovirus* for Saint-Floris virus (SAFV) first isolated from a gerbil sampled in Gordil, Vakaga Prefecture, Central African Republic [86];
- *Salanga phlebovirus* for Salanga virus (SLGV) first isolated from a Hinde's aethomys (*Aethomys hindei* (Thomas, 1902)) collected in Salanga, Ombella-M'Poko Prefecture, Central African Republic [51, 148];

- *Salobo phlebovirus* [sic] for Salobo virus (SLBOV) first isolated from a Guyenne spiny-rat (*Proechimys guyannensis* (E. Geoffroy, 1803)) in Pará State, Brazil [142];
- *Sicilian phlebovirus* for sandfly fever Sicilian virus (SFSV) first isolated from a human sampled in Palermo Province, Sicily Region, Italy [101, 137];
- *Tapara phlebovirus* for Tapará virus (TPRV) first isolated from phlebotomine sandflies in Altamira, Pará State, Brazil [80];
- *Tehran phlebovirus* for Tehran virus (THEV) first isolated from sandflies (*Phlebotomus papatasi* (Scopoli, 1786)) sampled in Tehran, Iran [86];
- *Tico phlebovirus* [sic] for Tico virus (TICV) discovered by HTS in sandflies sampled in Panama Canal area, central Panama [68];
- *Toros phlebovirus* for Toros virus (TORV) first discovered by HTS in sandflies sampled in Damiyeri, Adana Province (Adana ili), Turkey [5];
- *Toscana phlebovirus* for Toscana virus (TOSV) first isolated from sandflies (*Phlebotomus perniciosus* Newstead, 1911) in Tuscany, Italy [86, 125];
- *Tres Almendras virus* for Tres Almendra virus (TRAV) first discovered by HTS in sandflies (*Psychodopygus panamensis* (Shannon, 1926)) sampled on Tres Almendras Islands, Panama Canal area, central Panama [68];
- *Turuna phlebovirus* for Turuna virus (TUAV) first isolated from *Lutzomyia* sp. sandflies sampled in Cachoeira Porteira, Pará State, Brazil [83, 122];
- *Uriurana phlebovirus* for Uriurana virus (URIV) first isolated from phlebotomine sandflies in Tucuruí, Pará State, Brazil [80];
- *Urucuri phlebovirus* for Urucuri virus (URUV) first isolated from a Guyenne spiny-rat (*Proechimys guyannensis* (E. Geoffroy, 1803)) in Utinga Forest, Belém, Pará State, Brazil [80, 122];
- *Viola phlebovirus* for viola virus (VIOV) first discovered by HTS in sandflies (*Lutzomyia longipalpis* (Lutz and Neiva, 1912)) sampled in Pirizal, Mato Grosso State, Brazil [24]; and
- *Zerdali phlebovirus* for Zerdali virus (ZERV) first discovered by HTS in sandflies sampled in Zerdali, Adana Province (Adana ili), Turkey [5].

Genus *Rubodvirus* was created for the two new species *Apple rubodvirus 1* and *2* to accommodate apple rubbery wood viruses 1 and 2 (ARWV-1/2), respectively, first discovered using HTS in apple trees (*Malus* sp.) sampled in Germany and USA [100] (TaxoProp 2019.026M.A.v1.Pheniviridae_4gen79sp).

One new species, *Melon tenuivirus*, was added to genus *Tenuivirus* for melon chlorotic spot virus (MeCSV) first isolated from muskmelon (*Cucumis melo* L.) sampled in Provence-Alpes-Côte d'Azur Region, France [57].

Genus *Wubeivirus* was abolished and its two species, *Fly wubeivirus* and *Dipteran wubeivirus*, were moved into genus *Phasivirus* and renamed *Fly phasivirus* and *Dipteran phasivirus*, respectively (TaxoProp 2019.026M.A.v1.Pheniviridae_4gen79sp).

Family Tospoviridae—The overlooked adjustment of 12 tospovirid species names to correct non-Latinized binomials was implemented (TaxoProp 2019.016M.A.v1.Corrections).

Eight new species were created in genus *Orthospovirus*:

- *Alstroemeria necrotic streak orthospovirus* for Alstroemeria necrotic streak virus (ANSV) first isolated from ornamental crops (*Alstroemeria* sp.) sampled in Colombia [42];
- *Alstroemeria yellow spot orthospovirus* for Alstroemeria yellow spot virus (AYSV) first isolated from ornamental crops (*Alstroemeria* sp.) imported to and sampled in the Netherlands [43];
- *Groundnut chlorotic fan spot orthospovirus* for groundnut chlorotic fan-spot virus (GCFSV) first isolated from peanut (*Arachis hypogaea* L.) sampled in Taiwan [21];
- *Hippeastrum chlorotic ringspot orthospovirus* for Hippeastrum chlorotic spot virus (HCRV) first isolated from amaryllis (*Hippeastrum* sp.) and spider lily (*Hymenocallis littoralis* (Jacq.) Salisb.) sampled in southwestern China [31, 143];
- *Mulberry vein banding associated orthospovirus* for mulberry vein banding-associated virus (MVBaV) discovered first by HTS in mulberry (*Morus alba* L.) sampled in Guǎngxī Zhuàng Autonomous Region (广西壮族自治区), China in 2011 [74, 75];
- *Pepper chlorotic spot orthospovirus* for pepper chlorotic spot virus (PCSV) first isolated from sweet pepper (*Capsicum annuum* L.) in Taiwan [22];
- *Tomato yellow ring orthospovirus* for tomato yellow ring virus (TYRV) first isolated from tomato (*Solanum lycopersicum* L.) in Iran [134]; and
- *Tomato zonate spot orthospovirus* for tomato zonate spot virus (TZSV) first isolated from tomato (*Solanum lycopersicum* L.) and chili pepper (*Capsicum annuum* L.) sampled in Yúnnán Province (云南省), China [30] (TaxoProp 2019.006P.A.v1.Orthospovirus_8sp).

SUMMARY

A summary of the current, ICTV-accepted taxonomy of the phylum *Negarnaviricota* is presented in Table 1 (*Goujianvirales*), Table 2 (*Jingchuvirales*), Table 3 (*Mononegavirales*), Table 4 (*Muvirales*), Table 5 (*Serpentovirales*), Table 6 (*Articulavirales*), and Table 7 (*Bunyavirales*).

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ICTV-accepted taxonomy of the order *Goujianvirales* (Negarnaviricota: *Haploviricotina*: *Yunchangviricetes*) as of March 2020.

Table 1.

Genus	Species ^{f/}	Virus (Abbreviation) ^{&}
Family <i>Yueviridae</i>		
<i>Yuyuevirus</i>	<i>Beihai yuyuevirus</i> [*]	B ihǎi sesamid crab virus 3 (BhSCV-3)
	<i>Shahé yuyuevirus</i>	Sh hé yuèvirus-like virus 1 (ShYLV-1)

Note that viruses are real objects that are assigned to concepts that are called taxa. Species, genera, families, and orders are taxa.

^{*} type species

^{f/} Taxon names are always italicized and always begin with a capital letter.

[&] Virus names are not italicized and are not capitalized, except if the name or a name component is a proper noun. This column lists the virus names with their correct (lack of) capitalization. Lists of viruses within a given species are provisional at this point and will likely be amended in the near future.

ICTV-accepted taxonomy of the order *Jingchuvirales* (Negarnaviricota: *Monjiviricetes*: *Haploviricota*: *Monjiviricetes*) as of March 2020.

Table 2.

Genus	Species [¶]	Virus (Abbreviation) ^{&}
Family <i>Chuviridae</i>		
<i>Mivirus</i>	<i>Argas mivirus</i>	Táchéng tick virus 4 (TcTV-4)
	<i>Barnacle mivirus</i> [*]	B íhài barnacle virus 9 (BhBY-9)
	<i>Beetle mivirus</i>	Húb i coleoptera virus 3 (HbCV-3)
	<i>Bole mivirus</i>	Bólè tick virus 3 (BTV-3)
	<i>Bunnich mivirus</i>	W nling crustacean virus 14 (WlCV-14)
	<i>Changping mivirus</i>	Ch ngping tick virus 2 (CpTV-2)
	<i>Charybdis mivirus</i>	W nzh u crab virus 3 (WzCV-3)
	<i>Cockroach mivirus</i>	Wüch ng cockroach virus 3 (WcLFV-3)
	<i>Crab mivirus</i>	W nzh u crab virus 2 (WzCV-2)
	<i>Crustacean mivirus</i>	W nling crustacean virus 13 (WlCV-13)
	<i>Dermacentor mivirus</i>	Ch ngping tick virus 3 (CpTV-3)
		Táchéng tick virus 5 (TcTV-5)
	<i>Hermit mivirus</i>	B íhài hermit crab virus 3 (BhHCV-3)
	<i>Hippoboscid mivirus</i>	Wúhàn louse fly virus 7 (WhLFV-7)
	<i>Hubei mivirus</i>	Húb i chuvirus-like virus 1 (HbCLV-1)
	<i>Hubei odonate mivirus</i>	Húb i chuvirus-like virus 3 (HbCLV-3)
	<i>Injin mivirus</i>	Injin River virus 1 (IjRV-1)
	<i>Lacewing mivirus</i>	Shu ngào insect virus 5 (SgIV-5)
	<i>Lishi mivirus</i>	Líshí spider virus 1 (LsSV-1)
	<i>Lonestar mivirus</i>	lone star tick chuvirus 1 (LSTCV-1)
	<i>Louse fly mivirus</i>	Wúhàn louse fly virus 6 (WhLFV-6)
	<i>Mosquito mivirus</i>	Wúhàn mosquito virus 8 (WhMV-8)
	<i>Myriapod mivirus</i>	Húb i myriapoda virus 8 (HbMV-8)
	<i>Odonate mivirus</i>	Húb i odonate virus 11 (HbOV-11)
	<i>Saxxia mivirus</i>	S nxiá atyid shrimp virus 4 (SxASC-4)

Genus	Species [¶]	Virus (Abbreviation) ^{&}
	<i>Shayang mivirus</i>	Sh yáng fly virus 1 (SyFV-1)
	<i>Suffolk mivirus</i>	Suffolk virus (SFKV)
	<i>Taiyuan mivirus</i>	Tàiyuán leathopper virus (TYLeV)
	<i>Wenling mivirus</i>	W nǐng crustacean virus 15 (WJCV-15)
	<i>Wuhan mivirus</i>	Wúhàn tick virus 2 (WhTV-2)
	<i>Xinzhou mivirus</i>	X nzh u nematode virus 5 (XzNV-5)

Note that viruses are real objects that are assigned to concepts that are called taxa. Species, genera, families, and orders are taxa.

* type species

[¶]Taxon names are always italicized and always begin with a capital letter.

[&]Virus names are not italicized and are not capitalized, except if the name or a name component is a proper noun. This column lists the virus names with their correct (lack of) capitalization. Lists of viruses within a given species are provisional at this point and will likely be amended in the near future.

Table 3.

ICTV-accepted taxonomy of the order *Molonegavirales* (*Negarnaviricota*: *Haploviricotina*: *Monjiviricetes*) as of March 2020.

Genus	Species ^f	Virus (Abbreviation) ^{&}
Family <i>Artoviridae</i>		
<i>Hexartovirus</i>	<i>Barnacle hexartovirus</i>	B ihai barnacle virus 8 (BhBV-8)
	<i>Caligid hexartovirus</i> *	Lepeophtheirus salmionis negative-stranded RNA virus 1 (LsNSRV-1)
<i>Peropovirus</i>	<i>Belhai peropovirus</i>	B ihai rhabdo-like virus 1 (BhRLV-1)
	<i>Hubei peropovirus</i>	Húb i rhabdo-like virus 6 (HbRLV-6)
	<i>Odonate peropovirus</i>	Húb i rhabdo-like virus 8 (HbRLV-8)
	<i>Pillworm peropovirus</i>	Húb i rhabdo-like virus 5 (HbRLV-5)
	<i>Pteromalus puparum peropovirus</i> *	Pteromalus puparum negative-strand RNA virus 1 (PpNSRV-1)
	<i>Woodlouse peropovirus</i>	B ihai rhabdo-like virus 2 (BhRLV-2)
Family <i>Bornaviridae</i>		
<i>Carbovirus</i>	<i>Queensland carbovirus</i> *	jungle carpet python virus (JCPV)
	<i>Southwest carbovirus</i>	southwest carpet python virus (SWCPV)
<i>Cutlervirus</i>	<i>Sharppelly cultervirus</i> *	Wùhàn sharppelly bornavirus (WhSBV)
<i>Orthobornavirus</i>	<i>Elapid 1 orthobornavirus</i>	Loveridge's garter snake virus 1 (LGSV-1)
	<i>Mammalian 1 orthobornavirus</i> *	Boma disease virus 1 (BoDV-1)
		Boma disease virus 2 (BoDV-2)
	<i>Mammalian 2 orthobornavirus</i>	variegated squirrel bornavirus 1 (VSBV-1)
	<i>Passeriform 1 orthobornavirus</i>	canary bornavirus 1 (CbBV-1)
		canary bornavirus 2 (CbBV-2)
		canary bornavirus 3 (CbBV-3)
	<i>Passeriform 2 orthobornavirus</i>	estrildid finch bornavirus 1 (EsBV-1)
	<i>Psittaciform 1 orthobornavirus</i>	parrot bornavirus 1 (PaBV-1)
		parrot bornavirus 2 (PaBV-2)
		parrot bornavirus 3 (PaBV-3)
		parrot bornavirus 4 (PaBV-4)

Genus	Species [¶]	Virus (Abbreviation) ^{&}
		parrot bornavirus 7 (PaBV-7)
	<i>Psittaciform 2 orthobornavirus</i>	parrot bornavirus 5 (PaBV-5)
	<i>Waterbird 1 orthobornavirus</i>	aquatic bird bornavirus 1 (ABBV-1)
		aquatic bird bornavirus 2 (ABBV-2)
Family Filoviridae		
<i>Cuevavirus</i>	<i>Lloviu cuevavirus</i> *	Lloviu virus (LLOV)
<i>Dianlovirus</i>	<i>Mengla dianlovirus</i> *	Mengla virus (MLAV)
<i>Ebolavirus</i>	<i>Bombali ebolavirus</i>	Bombali virus (BOMV)
	<i>Bundibugyo ebolavirus</i>	Bundibugyo virus (BDBV)
	<i>Reston ebolavirus</i>	Reston virus (RESTV)
	<i>Sudan ebolavirus</i>	Sudan virus (SUDV)
	<i>Tai Forest ebolavirus</i>	Tai Forest virus (TAFV)
	<i>Zaire ebolavirus</i> *	Ebola virus (EBOV)
<i>Marburgvirus</i>	<i>Marburg marburgvirus</i> *	Marburg virus (MARV)
		Ravn virus (RAVV)
<i>Striavirus</i>	<i>Xilang striavirus</i> *	Xilang virus (XILV)
<i>Thammovirus</i>	<i>Huangjiao thammovirus</i> *	Huangjiao virus (HUJIV)
Family Lispiviridae		
<i>Arivirus</i>	<i>Gerrid arivirus</i>	Saxia water strider virus 4 (SxWSV-4)
	<i>Hubei arivirus</i>	Hubei 1 rhabdo-like virus 3 (HBRLV-3)
	<i>Lishi arivirus</i> *	Lishi spider virus 2 (LsSV-2)
	<i>Odonate arivirus</i>	Hubei 1 odonate virus 10 (HbOV-10)
	<i>Tacheng arivirus</i>	Tacheng tick virus 6 (TcTV-6)
	<i>Wuchang arivirus</i>	Wuchang romanomermis nematode virus 2 (WcRNV-2)
Family Mymonaviridae		
<i>Hubramonavirus</i>	<i>Hubei hubramonavirus</i> *	Hubei 1 rhabdo-like virus 4 (HBRLV-4)
	<i>Lentinula hubramonavirus</i>	Lentinula edodes negative-strand RNA virus 1 (LeNSRV-1)
<i>Sclerotimonavirus</i>	<i>Dadou sclerotimonavirus</i>	soybean leaf-associated negative-stranded RNA virus 3 (SLaNSRV-3)

Genus	Species [¶]	Virus (Abbreviation) ^{&}
	<i>Drop sclerotimonavirus</i>	Sclerotinia sclerotiorum negative-stranded RNA virus 2 (SsNSRV-2)
	<i>Glycine sclerotimonavirus</i>	Sclerotinia sclerotiorum negative-stranded RNA virus 4 (SsNSRV-4)
	<i>Hubei sclerotimonavirus</i> [sic] [†]	Fusarium graminearum negative-stranded RNA virus 1 (FgNSRV-1)
	<i>Illinois sclerotimonavirus</i>	soybean leaf-associated negative-stranded RNA virus 1 (SLaNSRV-1)
	<i>Phyllosphere sclerotimonavirus</i>	soybean leaf-associated negative-stranded RNA virus 2 (SLaNSRV-2)
	<i>Sclerotinia sclerotimonavirus</i> *	soybean leaf-associated negative-stranded RNA virus 4 (SLaNSRV-4)
		Sclerotinia sclerotiorum negative-stranded RNA virus 1 (SsNSRV-1)
		Sclerotinia sclerotiorum negative-stranded RNA virus 3 (SsNSRV-3)
Family Nyamiviridae		
<i>Berhavirus</i>	<i>Beihai berhavirus</i>	B ihǎi rhabdo-like virus 4 (BhRLV-4)
	<i>Echinoderm berhavirus</i>	B ihǎi rhabdo-like virus 5 (BhRLV-5)
	<i>Sipunculid berhavirus</i> *	B ihǎi rhabdo-like virus 3 (BhRLV-3)
<i>Crustavirus</i>	<i>Beihai crustavirus</i>	B ihǎi rhabdo-like virus 6 (BhRLV-6)
	<i>Wenling crustavirus</i>	W nǐng crustacean virus 12 (WlCV-12)
	<i>Wenzhou crustavirus</i> *	W nzh u crab virus 1 (WzCV-1)
<i>Nyavirus</i>	<i>Midway nyavirus</i>	Midway virus (MIDWV)
	<i>Nyamanini nyavirus</i> *	Nyamanini virus (NYMV)
	<i>Sierra Nevada nyavirus</i>	Sierra Nevada virus (SNVV)
<i>Orinivirus</i>	<i>Orinoco orinivirus</i> *	Orinoco virus (ONCV)
<i>Socyvirus</i>	<i>Soybean cyst nematode socyvirus</i> *	soybean cyst nematode virus 1 (SbCNAV-1)
<i>Tapwovirus</i>	<i>Tapeworm tapwovirus</i> *	W nzh u tapeworm virus 1 (WzTWV-1)
Family Paramyxoviridae		
Subfamily <i>Avulvirinae</i>		
<i>Metaavulavirus</i>	<i>Avian metaavulavirus 2</i> *	avian paramyxovirus 2 (APMV-2)
	<i>Avian metaavulavirus 5</i>	avian paramyxovirus 5 (APMV-5)
	<i>Avian metaavulavirus 6</i>	avian paramyxovirus 6 (APMV-6)

Genus	Species [¶]	Virus (Abbreviation) ^{&}
	<i>Avian metaavulavirus 7</i>	avian paramyxovirus 7 (APMV-7)
	<i>Avian metaavulavirus 8</i>	avian paramyxovirus 8 (APMV-8)
	<i>Avian metaavulavirus 10</i>	avian paramyxovirus 10 (APMV-10)
	<i>Avian metaavulavirus 11</i>	avian paramyxovirus 11 (APMV-11)
	<i>Avian metaavulavirus 14</i>	avian paramyxovirus 14 (APMV-14)
	<i>Avian metaavulavirus 15</i>	avian paramyxovirus 15 (APMV-15)
	<i>Avian metaavulavirus 20</i>	avian paramyxovirus 20 (APMV-20)
<i>Orthoavulavirus</i>	<i>Avian orthoavulavirus 1</i> [*]	avian paramyxovirus 1 (APMV-1) ²
	<i>Avian orthoavulavirus 9</i>	avian paramyxovirus 9 (APMV-9)
	<i>Avian orthoavulavirus 12</i>	avian paramyxovirus 12 (APMV-12)
	<i>Avian orthoavulavirus 13</i>	avian paramyxovirus 13 (APMV-13)
	<i>Avian orthoavulavirus 16</i>	avian paramyxovirus 16 (APMV-16)
	<i>Avian orthoavulavirus 17</i>	Antarctic penguin virus A (APV-A)
	<i>Avian orthoavulavirus 18</i>	Antarctic penguin virus B (APV-B)
	<i>Avian orthoavulavirus 19</i>	Antarctic penguin virus C (APV-C)
	<i>Avian orthoavulavirus 21</i>	avian paramyxovirus 21 (APMV-21)
	<i>Avian orthoavulavirus 21</i> [sic] ³	
<i>Paraavulavirus</i>	<i>Avian paraavulavirus 3</i> [*]	avian paramyxovirus 3 (APMV-3)
	<i>Avian paraavulavirus 4</i>	avian paramyxovirus 4 (APMV-4)
		Subfamily <i>Metaparamyxovirinae</i>
<i>Synodovirus</i>	<i>Synodus synodovirus</i> [*]	W nling triplecross lizardfish paramyxovirus (WTLPV)
		Subfamily <i>Orthoparamyxovirinae</i>
<i>Aquaparamyxovirus</i>	<i>Oncorhynchus aquaparamyxovirus</i>	Pacific salmon paramyxovirus (PSPV)
	<i>Salmo aquaparamyxovirus</i> [*]	Atlantic salmon paramyxovirus (AsaPV)
<i>Ferlavirus</i>	<i>Reptilian ferlavirus</i> [*]	fer-de-lance virus (FDLV)
<i>Henipavirus</i>	<i>Cedar henipavirus</i>	Cedar virus (CedV)
	<i>Ghanaian bat henipavirus</i>	Ghana virus (GhV)

Genus	Species [¶]	Virus (Abbreviation) ^{&}
	<i>Hendra henipavirus</i> *	Hendra virus (HeV)
	<i>Mojiang henipavirus</i>	Mojiang virus (MojV)
	<i>Nipah henipavirus</i>	Nipah virus (NiV)
<i>Jeilongvirus</i>	<i>Beilong jeilongvirus</i> *	Beilong virus (BeiV)
	<i>Jun jeilongvirus</i>	J virus (JV)
	<i>Lophuromys jeilongvirus 1</i>	Mount Mabu Lophuromys virus 1 (MMLV-1)
	<i>Lophuromys jeilongvirus 2</i>	Mount Mabu Lophuromys virus 2 (MMLV-2)
	<i>Minioptera jeilongvirus</i>	Shaan virus (Sha V)
	<i>Myodes jeilongvirus</i>	Pohorje Myodes paramyxovirus 1 (PMPV-1)
	<i>Tailam jeilongvirus</i>	Tailam virus (TaiV)
<i>Morbillivirus</i>	<i>Canine morbillivirus</i>	canine distemper virus (CDV)
	<i>Cetacean morbillivirus</i>	cetacean morbillivirus (CeMV)
	<i>Feline morbillivirus</i>	feline morbillivirus (FeMV)
	<i>Measles morbillivirus</i> *	measles virus (MeV)
	<i>Phocine morbillivirus</i>	phocine distemper virus (PDV)
	<i>Rinderpest morbillivirus</i>	rinderpest virus (RPV)
	<i>Small ruminant morbillivirus</i>	peste-des-petits-ruminants virus (PPRV)
<i>Narmovirus</i>	<i>Mossman narmovirus</i>	Mossman virus (MossV)
	<i>Myodes narmovirus</i>	bank vole virus 1 (BaV-1)
	<i>Nariva narmovirus</i> *	Nariva virus (NarV)
	<i>Tupaia narmovirus</i>	Tupaia paramyxovirus (TupV)
<i>Respirovirus</i>	<i>Bovine respirovirus 3</i>	bovine parainfluenza virus 3 (BPiV-3)
	<i>Caprine respirovirus 3</i>	caprine parainfluenza virus 3 (CPiV-3)
	<i>Human respirovirus 1</i>	human parainfluenza virus 1 (HPiV-1)
	<i>Human respirovirus 3</i>	human parainfluenza virus 3 (HPiV-3)
	<i>Marine respirovirus</i> *	Sendai virus (SeV)
	<i>Porcine respirovirus 1</i>	porcine parainfluenza virus 1 (PPiV-1)
	<i>Squirrel respirovirus</i>	giant squirrel virus (GSqV)

Genus	Species [¶]	Virus (Abbreviation) ^{&}
<i>Salemvirus</i>	<i>Salem salemvirus</i> [*]	Salem virus (SalV)
Subfamily <i>Rubulavirinae</i>		
<i>Orthorubulavirus</i>	<i>Human orthorubulavirus 2</i>	human parainfluenza virus 2 (HPIV-2)
	<i>Human orthorubulavirus 4</i>	human parainfluenza virus 4a (HPIV-4a)
		human parainfluenza virus 4b (HPIV-4b)
	<i>Mammalian orthorubulavirus 5</i>	parainfluenza virus 5 (PIV-5)
	<i>Mammalian orthorubulavirus 6</i>	Alston virus (AlSV)
	<i>Mapuera orthorubulavirus</i>	Mapuera virus (MapV)
	<i>Mumps orthorubulavirus</i> [*]	mumps virus (MuV)
	<i>Porcine orthorubulavirus</i>	La Piedad Michoacan Mexico virus (LPMV)
	<i>Simian orthorubulavirus</i>	simian virus 41 (SV-41)
<i>Pararubulavirus</i>	<i>Achimota pararubulavirus 1</i>	Achimota virus 1 (AchPV-1)
	<i>Achimotapararubulavirus 2</i>	Achimota virus 2 (AchPV-2)
	<i>Hervey pararubulavirus</i>	Hervey virus (HerV)
	<i>Menangle pararubulavirus</i> [*]	Menangle virus (MenPV)
	<i>Sosuga pararubulavirus</i>	Sosuga virus (SOSV)
	<i>Teviot pararubulavirus</i>	Teviot virus (TevPV)
	<i>Tioman pararubulavirus</i>	Tioman virus (TioPV)
	<i>Tuhoko pararubulavirus 1</i>	Tuhoko virus 1 (ThkPV-1)
	<i>Tuhoko pararubulavirus 2</i>	Tuhoko virus 2 (ThkPV-2)
	<i>Tuhoko pararubulavirus 3</i>	Tuhoko virus 3 (ThkPV-3)
Unassigned (to subfamilies)		
<i>Cynoglossusvirus</i>	<i>Cynoglossus cynoglossusvirus</i> [*]	W nling longesole paramyxovirus (WTSPV)
<i>Hoplichthysvirus</i>	<i>Hoplichthys hoplichthysvirus</i> [*]	W nling hoplichthys paramyxovirus (WHPV)
<i>Scoliodonvirus</i>	<i>Scoliodon scoliodonvirus</i> [*]	W nzh u pacific spadenose shark paramyxovirus (WPSSPV)
Family <i>Pneumoviridae</i>		
<i>Metapneumovirus</i>	<i>Avian metapneumovirus</i> [*]	avian metapneumovirus (AMPV)
	<i>Human metapneumovirus</i>	human metapneumovirus (HMPV)

Genus	Species [¶]	Virus (Abbreviation) ^{&}
<i>Orthopneumovirus</i> _s	<i>Bovine orthopneumovirus</i>	bovine respiratory syncytial virus (BRSV)
	<i>Human orthopneumovirus</i> [*]	human respiratory syncytial virus (HRSV)
	<i>Murine orthopneumovirus</i>	murine pneumonia virus (MPV)
Family <i>Rhabdoviridae</i>		
<i>Almendravirus</i>	<i>Arboretum alمندravirus</i>	Arboretum virus (ABTV)
	<i>Balsa alمندravirus</i>	Balsa virus (BALV)
	<i>Coot Bay alمندravirus</i>	Coot Bay virus (CBV)
	<i>Menghai alمندravirus</i>	Menghai virus (MRV)
	<i>Puerto Alمندras alمندravirus</i> [*]	Puerto Alمندras virus (PTAMV)
	<i>Rio Chico alمندravirus</i>	Rio Chico virus (RCHV)
<i>Alphanemhavirus</i> _s	<i>Xingshan alphanemhavirus</i> [*]	Xingshan nematode virus 4 (XsNV-4)
	<i>Xinzhou alphanemhavirus</i>	Xinzhou nematode virus 4 (XzNV-4)
<i>Alphanucleorhabdovirus</i>	<i>Eggplant mottled dwarf alphanucleorhabdovirus</i>	eggplant mottled dwarf virus (EMDV)
	<i>Maize Iranian mosaic alphanucleorhabdovirus</i>	maize Iranian mosaic virus (MIMV)
	<i>Maize mosaic alphanucleorhabdovirus</i>	maize mosaic virus (MMV)
	<i>Morogoro maize-associated alphanucleorhabdovirus</i>	Morogoro maize-associated virus (MMaV)
	<i>Physostegia chlorotic mottle alphanucleorhabdovirus</i>	Physostegia chlorotic mottle virus (PhCMoV)
	<i>Potato yellow dwarf alphanucleorhabdovirus</i> [*]	potato yellow dwarf virus (PYDV)
	<i>Rice yellow stunt alphanucleorhabdovirus</i>	rice yellow stunt virus (RYSV)
		rice transitory yellowing virus (RTYV)
	<i>Taro vein chlorosis alphanucleorhabdovirus</i>	taro vein chlorosis virus (TaVcV)
	<i>Wheat yellow striate alphanucleorhabdovirus</i>	wheat yellow striate virus (WYSV)

Genus	Species [¶]	Virus (Abbreviation) ^{&}
<i>Aruthavirus</i>	<i>Aruac aruthavirus</i> [*]	Aruac virus (ARUV)
	<i>Inhangapi aruthavirus</i>	Inhangapi virus (INHV)
	<i>Santabarbara aruthavirus</i>	Santa Barbara virus (SBAV)
	<i>Xiburema aruthavirus</i>	Xiburema virus (XIBV)
<i>Barhavirus</i>	<i>Bahia barhavirus</i> [*]	Bahia Grande virus (BGV)
		Harlingen virus (HARV)
	<i>Muir barhavirus</i>	Muir Springs virus (MSV)
<i>Betanucleorhabdovirus</i>	<i>Alfalfa betanucleorhabdovirus</i>	alfalfa-associated nucleorhabdovirus (AaNV)
	<i>Blackcurrant betanucleorhabdovirus</i>	blackcurrant-associated rhabdovirus (BCaRV)
	<i>Datura yellow vein betanucleorhabdovirus</i>	datura yellow vein virus (DYVV)
	<i>Sonchus yellow net betanucleorhabdovirus</i> [*]	Sonchus yellow net virus (SYNV)
	<i>Sowthistle yellow vein betanucleorhabdovirus</i>	sowthistle yellow vein virus (SYVV)
	<i>Trefoil betanucleorhabdovirus</i>	birds-foot trefoil-associated virus (BFTV)
<i>Calighavirus</i>	<i>Caligus calighavirus</i>	Caligus rogerseseyi rhabdovirus (CRoRV)
	<i>Lepeophtheirus calighavirus</i> [*]	Lepeophtheirus salmons rhabdovirus 127 (LSaIRV-127)
	<i>Salmonlouse calighavirus</i>	Lepeophtheirus salmons rhabdovirus 9 (LSaIRV-9)
<i>Curiovirus</i>	<i>Curionopolis curiovirus</i> [*]	Curionopolis virus (CURV)
	<i>Iriti curiovirus</i>	Iriti virus (IRIV)
	<i>Itacaitunas curiovirus</i>	Itacaitunas virus (ITAV)
	<i>Rochambeau curiovirus</i>	Rochambeau virus (RBUV)
<i>Cytorhabdovirus</i>	<i>Alfalfa dwarf cytorhabdovirus</i>	alfalfa dwarf virus (ADV)
	<i>Barley yellow striate mosaic cytorhabdovirus</i>	barley yellow striate mosaic virus (BYSMV)
	<i>Broccoli necrotic yellows cytorhabdovirus</i>	broccoli necrotic yellows virus (BNYV)
	<i>Cabbage cytorhabdovirus</i>	cabbage cytorhabdovirus 1 (CCyV-1)

Genus	Species [¶]	Virus (Abbreviation) ^{&}
	<i>Colocasia bobone disease-associated cytorhabdovirus</i>	Colocasia bobone disease-associated virus (CBDaV)
	<i>Festuca leaf streak cytorhabdovirus</i>	Festuca leaf streak virus (FLSV)
	<i>Lettuce necrotic yellows cytorhabdovirus*</i>	lettuce necrotic yellows virus (LNYV)
	<i>Lettuce yellow mottle cytorhabdovirus</i>	lettuce yellow mottle virus (LYMoV)
	<i>Maize-associated cytorhabdovirus</i>	maize-associated cytorhabdovirus (MaCV)
	<i>Maize yellow striate cytorhabdovirus</i>	maize yellow striate virus (MYSV)
	<i>Northern cereal mosaic cytorhabdovirus</i>	northern cereal mosaic virus (NCMV)
	<i>Papaya cytorhabdovirus</i>	papaya virus E (PpVE)
	<i>Persimmon cytorhabdovirus</i>	persimmon virus A (PeVA)
	<i>Raspberry vein chlorosis cytorhabdovirus</i>	raspberry vein chlorosis virus (RVCV)
	<i>Rice stripe mosaic cytorhabdovirus</i>	rice stripe mosaic virus (RSMV)
	<i>Sonchus cytorhabdovirus 1</i>	Sonchus virus (SonV)
	<i>Strawberry crinkle cytorhabdovirus</i>	strawberry crinkle virus (SCV)
	<i>Tomato yellow mottle-associated cytorhabdovirus</i>	tomato yellow mottle-associated virus (TYMaV)
	<i>Wheat American striate mosaic cytorhabdovirus</i>	wheat American striate mosaic virus (WASMV)
	<i>Wuhan 4 insect cytorhabdovirus</i>	Wuhan insect virus 4 (WuIV-4)
	<i>Wuhan 5 insect cytorhabdovirus</i>	Wuhan insect virus 5 (WuIV-5)
	<i>Wuhan 6 insect cytorhabdovirus</i>	Wuhan insect virus 6 (WuIV-6)
	<i>Yerba mate chlorosis-associated cytorhabdovirus</i>	yerba mate chlorosis-associated virus (YmCaV)
<i>Dichorhavirus</i>	<i>Citrus chlorotic spot dichorhavirus</i>	citrus chlorotic spot virus (CiCSV)
	<i>Citrus leprosis N dichorhavirus</i>	citrus leprosis virus N (CLV-N)
	<i>Clerodendrum chlorotic spot dichorhavirus</i>	clerodendrum chlorotic spot virus (ClCSV)

Genus	Species [¶]	Virus (Abbreviation) ^{&}
	<i>Coffea ringspot dichorhavirus</i>	coffee ringspot virus (CoRS V)
	<i>Orchid fleck dichorhavirus</i> *	orchid fleck virus (OFV)
<i>Ephemerovirus</i>	<i>Adelaide River ephemerovirus</i>	Adelaide River virus (ARV)
	<i>Berrimah ephemerovirus</i>	Berrimah virus (BRMV)
	<i>Bovine fever ephemerovirus</i> *	bovine ephemeral fever virus (BEFV)
	<i>Kimberley ephemerovirus</i>	Kimberley virus (KIMV)
		Malakal virus (MALV)
	<i>Koolpinyah ephemerovirus</i>	Koolpinyah virus (KOOLV)
	<i>Kotonkan ephemerovirus</i>	kotonkan virus (KOTV)
	<i>Obodhiang ephemerovirus</i>	Obodhiang virus (OBOV)
	<i>Yata ephemerovirus</i>	Yata virus (YATV)
<i>Gammanucleorhabdovirus</i>	<i>Maize fine streak gammanucleorhabdovirus</i>	maize fine streak virus (MFSV)
<i>Hapavirus</i>	<i>Flanders hapavirus</i> *	Flanders virus (FLAV)
	<i>Gray Lodge hapavirus</i>	Gray Lodge virus (GLOV)
	<i>Hart Park hapavirus</i>	Hart Park virus (HPV)
	<i>Holmes hapavirus</i>	Holmes Jungle virus (HOJV)
	<i>Joinjakaka hapavirus</i>	Joinjakaka virus (JOIV)
	<i>Kamese hapavirus</i>	Kamese virus (KAMV)
	<i>La Joya hapavirus</i>	La Joya virus (LJV)
	<i>Landjia hapavirus</i>	Landjia virus (LANV = LJAV)
	<i>Manitoba hapavirus</i>	Manitoba virus (MANV = MNTBV)
	<i>Marco hapavirus</i>	Marco virus (MCOV)
	<i>Mosqueiro hapavirus</i>	Mosqueiro virus (MQOV)
	<i>Mossuril hapavirus</i>	Mossuril virus (MOSV)
	<i>Ngaingan hapavirus</i>	Ngaingan virus (NGAV)
	<i>Ord River hapavirus</i>	Ord River virus (ORV)
	<i>Parry Creek hapavirus</i>	Parry Creek virus (PCV)
	<i>Wongabel hapavirus</i>	Wongabel virus (WONV)

Genus	Species [¶]	Virus (Abbreviation) ^{&}
<i>Ledantevirus</i>	<i>Barur ledantevirus</i>	Barur virus (BARV)
	<i>Fikirini ledantevirus</i>	Fikirini virus (FKRV)
	<i>Fukuoka ledantevirus</i>	Fukuoka virus (FUKV)
	<i>Kanyawara ledantevirus</i>	Kanyawara virus (KYAV)
	<i>Kern Canyon ledantevirus</i>	Kern Canyon virus (KCV)
	<i>Keuraliba ledantevirus</i>	Keuraliba virus (KEUV)
	<i>Kolente ledantevirus</i>	Kolente virus (KOLEV)
	<i>Kumasi ledantevirus</i>	Kumasi rhabdovirus (KRV)
	<i>Le Dantec ledantevirus</i> [*]	Le Dantec virus (LDV)
	<i>Mount Elgon bat ledantevirus</i>	Mount Elgon bat virus (MEBV)
	<i>Nishimuro ledantevirus</i>	Nishimuro virus (NISV)
	<i>Nkolbisson ledantevirus</i>	Nkolbisson virus (NIKOV)
	<i>Oita ledantevirus</i>	Oita virus (OITAV)
	<i>Vaprio ledantevirus</i>	Vaprio virus (VAPV)
<i>Wuhan louse fly virus</i>	Wuhan louse fly virus 5 (WLFV-5)	
<i>Yongjia ledantevirus</i>	<i>Yongjia ledantevirus</i>	Yongjia tick virus 2 (YTV-2)
	<i>Lonestar zarthavirus</i> ^{¶4}	lone star tick rhabdovirus (LJTRV)
<i>Lyssavirus</i>	<i>Aravan lyssavirus</i>	Aravan virus (ARAV)
	<i>Australian bat lyssavirus</i>	Australian bat lyssavirus (ABLV)
	<i>Bokeloh bat lyssavirus</i>	Bokeloh bat lyssavirus (BBLV)
	<i>Duvenhage lyssavirus</i>	Duvenhage virus (DUVV)
	<i>European bat 1 lyssavirus</i>	European bat lyssavirus 1 (EBLV-1)
	<i>European bat 2 lyssavirus</i>	European bat lyssavirus 2 (EBLV-2)
	<i>Gannoruwa bat lyssavirus</i>	Gannoruwa bat lyssavirus (GBLV)
	<i>Ikoma lyssavirus</i>	Ikoma lyssavirus (IKOV)
	<i>Irkut lyssavirus</i>	Irkut virus (IRKV)
	<i>Khujiand lyssavirus</i>	Khujiand virus (KHUV)
	<i>Lagos bat lyssavirus</i>	Lagos bat virus (LBV)

Genus	Species [¶]	Virus (Abbreviation) ^{&}
	<i>Lleida bat lyssavirus</i>	Lleida bat lyssavirus (LLEBV)
	<i>Mokola lyssavirus</i>	Mokola virus (MOKV)
	<i>Rabies lyssavirus</i> *	rabies virus (RABV)
	<i>Shimoni bat lyssavirus</i>	Shimoni bat virus (SHIB V)
	<i>Taiwan bat lyssavirus</i>	Taiwan bat lyssavirus (TWBLV)
	<i>West Caucasian bat lyssavirus</i>	West Caucasian bat virus (WCBV)
<i>Mousthavirus</i>	<i>Moussa mousthavirus</i> *	Moussa virus (MOUV)
<i>Novirhabdovirus</i>	<i>Hirame novirhabdovirus</i>	hirame rhabdovirus (HIRRV = HIRV)
	<i>Piscine novirhabdovirus</i>	viral hemorrhagic septicemia virus (VHSV)
	<i>Salmonid novirhabdovirus</i> *	infectious hematopoietic necrosis virus (IHNV)
	<i>Snakehead novirhabdovirus</i>	snakehead rhabdovirus (SHRV)
<i>Ohlshavirus</i>	<i>Ohlshdorf ohlshavirus</i>	Ohlshdorf virus (OHLDV)
	<i>Tonglitchon ohlshavirus</i>	Tonglitchon virus 1 (TCHV-1)
	<i>Riverside ohlshavirus</i>	Riverside virus (RISV)
	<i>Culex ohlsharhavirus</i>	Culex rhabdo-like virus (CRLV)
	<i>Northcreek ohlshavirus</i>	North Creek virus (NORCV)
<i>Perhabdovirus</i>	<i>Anguillid perhabdovirus</i>	eel virus European X (EVEX)
	<i>Perch perhabdovirus</i> *	perch rhabdovirus (PRV)
	<i>Sea trout perhabdovirus</i>	lake trout rhabdovirus (LTRV)
<i>Sawgrhavirus</i>	<i>Connecticut sawgrhavirus</i>	Connecticut virus (CNTV)
	<i>Island sawgrhavirus</i>	Long Island tick rhabdovirus (LITRV)
	<i>Minto sawgrhavirus</i>	New Minto virus (NMV)
	<i>Sawgrass sawgrhavirus</i> *	Sawgrass virus (SAWV)
<i>Sigmavirus</i>	<i>Drosophila affinis sigmavirus</i>	Drosophila affinis sigmavirus (DAffSV)
	<i>Drosophila ananassae sigmavirus</i>	Drosophila ananassae sigmavirus (DAAnaSV)
	<i>Drosophila immigrans sigmavirus</i>	Drosophila immigrans sigmavirus (DIImmSV)
	<i>Drosophila melanogaster sigmavirus</i> *	Drosophila melanogaster sigmavirus (DMelSV)

Genus	Species [¶]	Virus (Abbreviation) ^{&}
	<i>Drosophila obscura sigmavirus</i>	Drosophila obscura sigmavirus (DObsSV)
	<i>Drosophila tristis sigmavirus</i>	Drosophila tristis sigmavirus (DTrISV)
	<i>Muscina stabulans sigmavirus</i>	Muscina stabulans sigmavirus (MStasV)
<i>Sprivivirus</i>	<i>Carp sprivivirus</i> *	spring viremia of carp virus (SVCV)
	<i>Pike fry sprivivirus</i>	grass carp rhabdovirus (GrCRV)
		pike fry rhabdovirus (PFRV)
		tench rhabdovirus (TenRV)
<i>Sripuvirus</i>	<i>Almptwar sripuvirus</i>	Almptwar virus (ALMV)
	<i>Chaco sripuvirus</i>	Chaco virus (CHOV)
	<i>Charleville sripuvirus</i>	Charleville virus (CHVV)
	<i>Cuiaba sripuvirus</i>	Cuiaba virus (CUIV)
	<i>Hainan sripuvirus</i>	Hainan black-spectacled toad rhabdovirus (HnBSTRV)
	<i>Niakha sripuvirus</i> *	Niakha virus (NIAV)
	<i>Sena Madureira sripuvirus</i>	Sena Madureira virus (SMV)
	<i>Sripur sripuvirus</i>	Sripur virus (SRIV)
<i>Sunthavirus</i>	<i>Garba sunthavirus</i>	Garba virus (GARV)
	<i>Harrison sunthavirus</i>	Harrison Dam virus (HARDV)
	<i>Kwatta sunthavirus</i>	Kwatta virus (KWAV)
	<i>Oakvale sunthavirus</i>	Oak Vale virus (OVV)
	<i>Sunguru sunthavirus</i> *	Sunguru virus (SUNV)
	<i>Walkabout sunthavirus</i>	Walkabout Creek virus (WAKV)
<i>Tibrovirus</i>	<i>Bas Congo tibrovirus</i>	Bas-Congo virus (BASV)
	<i>Beatrice Hill tibrovirus</i>	Beatrice Hill virus (BHV)
	<i>Coastal Plains tibrovirus</i>	Coastal Plains virus (CPV)
	<i>Ekpoma 1 tibrovirus</i>	Ekpoma virus 1 (EKV-1)
	<i>Ekpoma 2 tibrovirus</i>	Ekpoma virus 2 (EKV-2)
	<i>Sweetwater Branch tibrovirus</i>	Sweetwater Branch virus (SWBV)
	<i>Tibrogagan tibrovirus</i> *	Bivens Arm virus (BAV)

Genus	Species [¶]	Virus (Abbreviation) ^{&}
		Tibrogagan virus (TIBV)
<i>Tupavirus</i>	<i>Durham tupavirus</i> [*]	Durham virus (DURV)
	<i>Klamath tupavirus</i>	Klamath virus (KLAV)
	<i>Tupaia tupavirus</i>	tupaia rhabdovirus (TUPV)
<i>Varicosavirus</i>	<i>Lettuce big-vein associated varicosavirus</i> [*]	lettuce big-vein associated virus (LBVaV)
<i>Vesiculovirus</i>	<i>Alagoas vesiculovirus</i>	vesicular stomatitis Alagoas virus (VSAV)
	<i>American bat vesiculovirus</i>	American bat vesiculovirus (ABVV)
	<i>Carajas vesiculovirus</i>	Carajas virus (CJSV)
	<i>Chandipura vesiculovirus</i>	Chandipura virus (CHPV)
	<i>Cocal vesiculovirus</i>	Cocal virus (COCV)
	<i>Indiana vesiculovirus</i> [*]	vesicular stomatitis Indiana virus (VSIV)
	<i>Isfahan vesiculovirus</i>	Isfahan virus (ISFV)
	<i>Jurona vesiculovirus</i>	Jurona virus (JURV)
	<i>Malpais Spring vesiculovirus</i>	Malpais Spring virus (MSPV)
	<i>Maraba vesiculovirus</i>	Maraba virus (MARAV)
	<i>Morretton vesiculovirus</i>	Morretton virus (MORV)
	<i>New Jersey vesiculovirus</i>	vesicular stomatitis New Jersey virus (VSNJV)
	<i>Perinet vesiculovirus</i>	Perinet virus (PERV)
	<i>Pry vesiculovirus</i>	Pry virus (PRYV)
	<i>Radi vesiculovirus</i>	Radi virus (RADV)
	<i>Yug Bogdanovac vesiculovirus</i>	Yug Bogdanovac virus (YBV)
<i>Zarhavirus</i>	<i>Zahedan zarhavirus</i> [*]	Zahedan rhabdovirus (ZARV)
Family <i>Sumviridae</i>		
<i>Sunshinevirus</i>	<i>Reptile sunshinevirus 1</i> [*]	Sunshine Coast virus (SunCV)
Family <i>Ximoviridae</i>		
<i>Anphevirus</i>	<i>Bolahun anphevirus</i>	Bolahun virus (BLHV)
		Gambie virus (GAMV)
	<i>Dipteran anphevirus</i>	Hüb 1 diptera virus 11 (HbDV-11)

Genus	Species ^{1/}	Virus (Abbreviation) ^{2&}
	<i>Drosophilid anphevirus</i>	Drosophila unispina virus 1 (DuniV-1)
	<i>Odonate anphevirus</i>	Húb i rhabdo-like virus 7 (HbRLV-7)
	<i>Orthopteran anphevirus</i>	Húb i orthoptera virus 5 (HbOV-5)
	<i>Shuangao anphevirus</i>	Shu ngào fly virus 2 (SgFV-2)
	<i>Xincheng anphevirus</i> [*]	X nchéng mosquito virus (XcMV)

Note that viruses are real objects that are assigned to concepts that are called taxa. Species, genera, subfamilies, families, and orders are taxa.

^{*} type species

^{1/} Due to a formal classification mistake this species was not deleted. A proposal to delete this species name will be submitted prior to the next taxonomic proposal submission deadline.

^{2/} Includes: Newcastle disease virus (NDV).

^{3/} Due to a formal classification mistake, this species was incorrectly named *Avian orthovalavirus 21* in TaxoProp 2019.014M.A.v1. Avulavirus_1newsp but correctly named *Avian orthovalavirus 21* in TaxoProp 2019.025M.A.v2. Paramyxoviridae_3gen5sp4rensp. Hence as of now, both species names are official. A proposal to correct this mistake will be submitted prior to the next taxonomic proposal submission deadline.

^{4/} Due to a formal classification mistake this species was named *Lonestar zachavirus* instead of *Lonestar loszhavirus*. A proposal to correct this mistake will be submitted prior to the next taxonomic proposal submission deadline.

^{5/} Taxon names are always italicized and always begin with a capital letter.

^{6/} Virus names are not italicized and are not capitalized, except if the name or a name component is a proper noun. This column lists the virus names with their correct (lack of) capitalization. Lists of viruses within a given species are provisional at this point and will likely be amended in the near future.

ICTV-accepted taxonomy of the order *Murvirales* (*Negarnaviricota: Haploviricotina: Chunqiuviricetes*) as of March 2020.

Table 4.

Genus	Species ^{f/}	Virus (Abbreviation) ^g &
Family <i>Qinviridae</i>		
<i>Yingvirus</i>	<i>Beihai yingvirus</i>	B ihai sesamid crab virus 4 (BHSCV-4)
	<i>Charybdis yingvirus</i>	W nzh u qinvirus-like virus 2 (WzQLV-2)
	<i>Hubei yingvirus</i>	Húb i qinvirus-like virus 1 (HbQLV-1)
	<i>Sanxia yingvirus</i>	S nxiá qinvirus-like virus 1 (SxQLV-1)
	<i>Shahe yingvirus</i>	Sh hé qinvirus-like virus 1 (ShQLV-1)
	<i>Wenzhou yingvirus</i>	W nzh u qinvirus-like virus 1 (WzQLV-1)
	<i>Wuhan yingvirus</i> [*]	Wúhàn insect virus 15 (WhIV-15)
	<i>Xinzhou yingvirus</i>	X nzh u nematode virus 3 (XzNV-3)

Note that viruses are real objects that are assigned to concepts that are called taxa. Species, genera, families, and orders are taxa.

^{*} type species

^{f/} Taxon names are always italicized and always begin with a capital letter.

^g Virus names are not italicized and are not capitalized, except if the name or a name component is a proper noun. This column lists the virus names with their correct (lack of) capitalization. Lists of viruses within a given species are provisional at this point and will likely be amended in the near future.

Table 5.

ICTV-accepted taxonomy of the order *Serpentovirales* (*Negamaviricota: Haploviricotina: Milneviricetes*) as of March 2020.

Genus	Species [¶]	Virus (Abbreviation) ^{&}
Family <i>Aspiviridae</i>		
<i>Ophiovirus</i>	<i>Blueberry mosaic associated ophiovirus</i>	blueberry mosaic associated virus (BIMaV)
	<i>Citruspsorosis ophiovirus</i> [*]	citrus psorosis virus (CPsV)
	<i>Freesia sneak ophiovirus</i>	freesia sneak virus (FreSV)
	<i>Lettuce ring necrosis ophiovirus</i>	lettuce ring necrosis virus (LRNV)
	<i>Mirafiori lettuce big-vein ophiovirus</i>	Mirafiori lettuce big-vein virus (MLBVV)
	<i>Ranunculus white mottle ophiovirus</i>	ranunculus white mottle virus (RWMV)
	<i>Tulip mild mottle mosaic ophiovirus</i>	tulip mild mottle mosaic virus (TMMMV)

Note that viruses are real objects that are assigned to concepts that are called taxa. Species, genera, families, and orders are taxa.

^{*} type species

[¶] Taxon names are always italicized and always begin with a capital letter.

[&] Virus names are not italicized and are not capitalized, except if the name or a name component is a proper noun. This column lists the virus names with their correct (lack of) capitalization. Lists of viruses within a given species are provisional at this point and will likely be amended in the near future.

ICTV-accepted taxonomy of the order *Articulavirales* (*Negamaviricota: Polyploviricotina: Insthoviricetes*) as of March 2020.

Table 6.

Genus	Species [¶]	Virus (Abbreviation) [§]
Family Amnoonviridae		
<i>Tilapiaevirus</i>	<i>Tilapia tilapiaevirus</i> [*]	tilapia lake virus (TILV)
Family Orthomyxoviridae		
<i>Alphainfluenzavirus</i>	<i>Influenza A virus</i> [*]	influenza A virus (FLUAV)
<i>Betainfluenzavirus</i>	<i>Influenza B virus</i> [*]	influenza B virus (FLUBV)
<i>Deltainfluenzavirus</i>	<i>Influenza D virus</i> [*]	influenza D virus (FLUDV)
<i>Gammainfluenzavirus</i>	<i>Influenza C virus</i> [*]	influenza C virus (FLUCV)
<i>Isavirus</i>	<i>Salmon isavirus</i> [*]	infectious salmon anemia virus (ISAV)
<i>Quarantavirus</i>	<i>Johnston Atoll quarantavirus</i>	Johnston Atoll virus (JAV)
	<i>Quaranfil quarantavirus</i> [*]	Quaranfil virus (QRFV)
<i>Thogotovirus</i>	<i>Dhori thogotovirus</i>	Dhori virus (DHOV)
	<i>Thogoto thogotovirus</i> [*]	Thogoto virus (THOV)

^{*} type species

[¶]Taxon names are always italicized and always begin with a capital letter.

Table 7. ICTV-accepted taxonomy of the order *Bunyavirales* (*Negamaviricota: Polyploviricotina: Ellioviricetes*) as of March 2020.

Genus	Species [¶]	Virus (Abbreviation) ^{&}
Family Arenaviridae		
<i>Antennavirus</i>	<i>Hairy antennavirus</i>	W nling frogfish arenavirus 2 (WIFAV-2)
	<i>Striated antennavirus</i> *	W nling frogfish arenavirus 1 (WIFAV-1)
<i>Hartmannivirus</i>	<i>Haartman hartmannivirus</i> *	Haartman Institute snake virus 1 (HISV-1)
	<i>Muikkunen hartmannivirus</i>	Dante Muikkunen virus 1 (DaMV-1)
	<i>Schoolhouse hartmannivirus</i>	old schoolhouse virus 1 (OScV-1)
	<i>Zurich hartmannivirus</i>	old schoolhouse virus 2 (OScV-2)
		veterinary pathology Zurich virus 1 (VPZV-1)
		veterinary pathology Zurich virus 2 (VPZV-2)
<i>Mammarenavirus</i>	<i>Alpahuayo mammarenavirus</i>	Alpahuayo virus (ALLV)
	<i>Alxa mammarenavirus</i>	Alxa virus (ALXV)
	<i>Argentinian mammarenavirus</i>	Junín virus (JUNV)
	<i>Bear Canyon mammarenavirus</i>	Bear Canyon virus (BCNV)
	<i>Brazilian mammarenavirus</i>	Sabiá virus (SBAV)
	<i>Cali mammarenavirus</i>	Pichindé virus (PICHV)
	<i>Chapare mammarenavirus</i>	Chapare virus (CHAPV)
	<i>Chevrier mammarenavirus</i>	Lji ng virus (LIJV)
	<i>Cupixi mammarenavirus</i>	Cupixi virus (CUPXV)
	<i>Flexal mammarenavirus</i>	Flexal virus (FLEV)
	<i>Gairo mammarenavirus</i>	Gairo virus (GAIV)
	<i>Guanarito mammarenavirus</i>	Guanarito virus (GTOV)
	<i>Ippy mammarenavirus</i>	Ippy virus (IPPYV)
	<i>Lassa mammarenavirus</i>	Lassa virus (LASV)
	<i>Latino mammarenavirus</i>	Latino virus (LATV)
	<i>Loei River mammarenavirus</i>	Loei River virus (LORV)
	<i>Lujo mammarenavirus</i>	Lujo virus (LUJV)

Genus	Species [†]	Virus (Abbreviation) [‡]
	<i>Luna mammarenavirus</i>	Luli virus (LULV)
	<i>Luna mammarenavirus</i>	Luna virus (LUAV)
	<i>Lunk mammarenavirus</i>	Lunk virus (LNKV)
	<i>Lymphocytic choriomeningitis mammarenavirus</i> *	Dandenong virus (DANV)
	<i>Machupo mammarenavirus</i>	lymphocytic choriomeningitis virus (LCMV)
	<i>Mariental mammarenavirus</i>	Machupo virus (MACV)
	<i>Merino Walk mammarenavirus</i>	Mariental virus (MRLV)
	<i>Mobala mammarenavirus</i>	Merino Walk virus (MRWV)
	<i>Mopeia mammarenavirus</i>	mobala virus (MOBV)
	<i>Morogoro virus (MORV)</i>	Mopeia virus (MPOV)
	<i>Okahandja mammarenavirus</i>	Morogoro virus (MORV)
	<i>Oliveros mammarenavirus</i>	Okahandja virus (OKAV)
	<i>Paraguay mammarenavirus</i>	Oliveros virus (OLVV)
	<i>Planalto mammarenavirus</i>	Paraná virus (PRAV)
	<i>Piritai mammarenavirus</i>	Aporé virus (APOV)
	<i>Ryukyu mammarenavirus</i>	Piritai virus (PIRV)
	<i>Serra do Navio mammarenavirus</i>	Ryukyu virus (RYKV)
	<i>Solvezi mammarenavirus</i>	Amajari virus (AMAV)
	<i>Souris mammarenavirus</i>	Solvezi virus (SOLV)
	<i>Tacaribe mammarenavirus</i>	souris virus (SOUV)
	<i>Tamiami mammarenavirus</i>	Tacaribe virus (TCRV)
	<i>Wenzhou mammarenavirus</i>	Tamiami virus (TMMV)
	<i>Whitewater Arroyo mammarenavirus</i>	W nzh u virus (WENV)
		Big Brushy Tank virus (BBRTV)
		Catarina virus (CTNV)
		Skinner Tank virus (SKTV)
		Tonto Creek virus (TTCV)
		Whitewater Arroyo virus (WWAV)
	<i>Xapuri mammarenavirus</i>	Xapuri virus (XAPV)

Genus	Species [†]	Virus (Abbreviation) [‡]
<i>Reptarenavirus</i>	<i>Califomia reptarenavirus</i>	CAS virus (CASV)
	<i>Giessen reptarenavirus</i>	University of Giessen virus 1 (UGV-1)
		University of Giessen virus 2 (UGV-2)
		University of Giessen virus 3 (UGV-3)
	<i>Golden reptarenavirus</i> *	Golden Gate virus (GOGV)
	<i>Ordinary reptarenavirus</i>	tavallinen suomalainen mies virus 2 (TSMV-2)
	<i>Rotterdam reptarenavirus</i>	ROUT virus (ROUTV)
		University of Helsinki virus 1 (UHV-1)
Family Cruliviridae		
<i>Lincruvirus</i>	<i>Crustacean lincruvirus</i> *	W nling crustacean virus 9 (WICV-9)
Family Fimoviridae		
<i>Emaravirus</i>	<i>Actinidia chlorotic ringspot-associated emaravirus</i>	Actinidia chlorotic ringspot-associated virus (AcCRaV)
	<i>Blackberry leaf mottle associated emaravirus</i>	blackberry leaf mottle-associated virus (BLMaV)
	<i>European mountain ash ringspot-associated emaravirus</i> *	European mountain ash ringspot-associated virus (EMARaV)
	<i>Fig mosaic emaravirus</i>	fig mosaic virus (FMV)
	<i>High Plains wheat mosaic emaravirus</i>	High Plains wheat mosaic virus (HPWMoV)
	<i>Pigeonpea sterility mosaic emaravirus 1</i>	pigeonpea sterility mosaic virus 1 (PFSMV-1)
	<i>Pigeonpea sterility mosaic emaravirus 2</i>	pigeonpea sterility mosaic virus 2 (PFSMV-2)
	<i>Pistacia emaravirus B</i>	pistacia virus B (PIVB)
	<i>Raspberry leaf blotch emaravirus</i>	raspberry leaf blotch virus (RLBV)
	<i>Redbud yellow ringspot-associated emaravirus</i>	redbud yellow ringspot-associated virus (RYRaV)
	<i>Rose rosette emaravirus</i>	rose rosette virus (RRV)
Family Hantaviridae		
Subfamily Actantavirinae		
<i>Actinovirus</i>	<i>Batfish actinovirus</i> *	W nling minipizza batfish virus (WEMBV)
	<i>Goosefish actinovirus</i>	W nling yellow goosefish virus (WEYGV)
	<i>Spikefish actinovirus</i>	W nling red spikefish virus (WERSV)
Subfamily Agantavirinae		

Genus	Species [†]	Virus (Abbreviation) [‡]
<i>Agnathovirus</i>	<i>Hagfish agnathovirus</i> *	W nling hagfish virus (WEHV)
Subfamily <i>Mammaantavirinae</i>		
<i>Loanvirus</i>	<i>Brno loanvirus</i>	Brno virus (BRNV)
<i>Mobatvirus</i>	<i>Longquan loanvirus</i> *	Lóngquán virus (LQUY)
	<i>Laibin mobatvirus</i>	Láibín virus (LAIV)
	<i>Nova mobatvirus</i> *	Nova virus (NVAV)
	<i>Quezon mobatvirus</i>	Quezon virus (QZNV)
<i>Orthohantavirus</i>	<i>Andes orthohantavirus</i>	Andes virus (ANDV)
		Castelo dos Sonhos virus (CASV)
		Lechiguanas virus (LECV = LECHV)
		Orán virus (ORNV)
	<i>Asama orthohantavirus</i>	Asama virus (ASAV)
	<i>Asikkala orthohantavirus</i>	Asikkala virus (ASIV)
	<i>Bayou orthohantavirus</i>	bayou virus (BAYV)
		Catacamas virus (CATV)
	<i>Black Creek Canal orthohantavirus</i>	Black Creek Canal virus (BCCV)
	<i>Bowe orthohantavirus</i>	Bowé virus (BOWV)
	<i>Bruges orthohantavirus</i>	Bruges virus (BRGV)
	<i>Cano Delgadito orthohantavirus</i>	Cano Delgadito virus (CADV)
	<i>Cao Bang orthohantavirus</i>	Cao Bàng virus (CBNV)
		Liánhé virus (LHEV)
	<i>Choclo orthohantavirus</i>	Choclo virus (CHOV)
	<i>Dabieshan orthohantavirus</i>	Dàbiéshàn virus (DBSV)
	<i>Dobrava-Belgrade orthohantavirus</i>	Dobrava virus (DOBV)
		Kurkino virus (KURV)
		Saaremaa virus (SAAV)
		Sochi virus (SOCV)
	<i>El Moro Canyon orthohantavirus</i>	Carrizal virus (CARV)

Genus	Species [†]	Virus (Abbreviation) [‡]
		El Moro Canyon virus (ELMCV)
		Huitzilac virus (HUIV)
	<i>Fugong orthohantavirus</i>	Fúgóng virus (FUGV)
	<i>Fusong orthohantavirus</i>	Fūs ōng virus (FUSV)
	<i>Hantaan orthohantavirus</i> *	Amur virus (AMRV)
		Hantaan virus (HTNV)
		Soochong virus (SOOV)
	<i>Jeju orthohantavirus</i>	Jeju virus (JIUV)
	<i>Kenkeme orthohantavirus</i>	Kenkeme virus (KKMV)
	<i>Khabarovsk orthohantavirus</i>	Khabarovsk virus (KHAV)
		Topografov virus (TOPV)
	<i>Laguna Negra orthohantavirus</i>	Laguna Negra virus (LANV)
		Maripa virus (MARV)
		Rio Mamoné virus (RIOMV)
	<i>Luxi orthohantavirus</i>	Lúx virus (LUXV)
	<i>Maporal orthohantavirus</i>	Maporal virus (MAPV)
	<i>Montano orthohantavirus</i>	Montano virus (MTNV)
	<i>Necoeli orthohantavirus</i>	Necoeli virus (NECV)
	<i>Oxbow orthohantavirus</i>	Oxbow virus (OXBV)
	<i>Prospect Hill orthohantavirus</i>	Prospect Hill virus (PHV)
	<i>Puumala orthohantavirus</i>	Hokkaido virus (HOKV)
		Muju virus (MUJV)
		Puumala virus (PUUV)
	<i>Rockport orthohantavirus</i>	Rockport virus (RKPV)
	<i>Sangassou orthohantavirus</i>	Sangassou virus (SANGV)
	<i>Seewis orthohantavirus</i>	Seewis virus (SWSV)
	<i>Seoul orthohantavirus</i>	g u virus (GOUV)
		Seoul virus (SEOV)
	<i>Sin Nombre orthohantavirus</i>	New York virus (NYV)

Genus	Species [†]	Virus (Abbreviation) [‡]
		Sin Nombre virus (SNV)
	<i>Thailand orthohantavirus</i>	Anjorobe virus (ANJZV)
		Serang virus (SERV)
		Thailand virus (THAIV)
	<i>Tigray orthohantavirus</i>	Tigray virus (TIGV)
	<i>Tula orthohantavirus</i>	Adler virus (ADLV)
		Tula virus (TULV)
	<i>Yakeshi orthohantavirus</i>	Yákeshí virus (YKSV)
<i>Thottimvirus</i>	<i>Imjin thottimvirus</i>	Imjin virus (MINV)
	<i>Thottapalayam thottimvirus</i> *	Thottapalayam virus (TPMV)
		Subfamily <i>Repantavirinae</i>
<i>Reptillovirus</i>	<i>Gecko reptillovirus</i> *	Hainan oriental leaf-toed gecko virus (HOLGV)
		Family <i>Leishbuviridae</i>
<i>Shilevirus</i>	<i>Leptomonas shilevirus</i> *	Leptomonas moramango virus (LEPMV)
		Family <i>Mypoviridae</i>
<i>Hubavirus</i>	<i>Myriapod hubavirus</i> *	Húb i myriapoda virus 5 (HbMV-5)
		Family <i>Nairoviridae</i>
<i>Orthonairovirus</i>	<i>Artashat orthonairovirus</i>	Artashat virus (ARTSV)
	<i>Chim orthonairovirus</i>	Chim virus (CHIMV)
	<i>Crimean-Congo hemorrhagic fever orthonairovirus</i>	Crimean-Congo hemorrhagic fever virus (CCHFV)
	<i>Dera Ghazi Khan orthonairovirus</i>	Abu Hammad virus (AHV)
		Abu Mina virus (AMV)
		Dera Ghazi Khan virus (DGKV)
		Sapphire II virus (SAPV)
	<i>Dugbe orthonairovirus</i> *	Dugbe virus (DUGV)
		kupe virus (KUPEV)
	<i>Estero Real orthonairovirus</i>	Estero Real virus (ERV)
	<i>Hazara orthonairovirus</i>	Hazara virus (HAZV)

Genus	Species [†]	Virus (Abbreviation) [‡]
		Tofla virus (TFLV)
	<i>Hughes orthonairovirus</i>	Caspiy virus (CASV)
		Farallon virus (FARV)
		Great Sallee virus (GRS V)
		Hughes virus (HUGV)
		Punta Salinas virus (PSV)
		Raza virus (RAZAV)
		Soldado virus (SOLV)
		Zirqa virus (ZIRV)
	<i>Kasokero orthonairovirus</i>	Kasokero virus (KASV = KASOV)
		Leopards Hill virus (LPHV)
		Yogue virus (YOGV)
	<i>Keterah orthonairovirus</i>	Gossas virus (GOSV)
		Issyk-kul virus (ISKV)
		Keterah virus (KTRV)
		Uzun-Agach virus (UZAV)
	<i>Nairobi sheep disease orthonairovirus</i>	Nairobi sheep disease virus (NSDV)
	<i>Qalyub orthonairovirus</i>	Bandia virus (BDAV)
		Geran virus (GERV)
		Qalyub virus (QYBV)
	<i>Sakhalin orthonairovirus</i>	Avalon virus (AVAV)
		Clo Mor virus (CMV = CLMV)
		Sakhalin virus (SAKV)
		Taggart virus (TAGV)
		Tillamook virus (TILLY)
	<i>Tamdy orthonairovirus</i>	Burana virus (BURV)
		Huangpi tick virus 1 (HpTV-1)
		Tacheng tick virus 1 (TcTV-1)
		Tamdy virus (TAMV)

Genus	Species [†]	Virus (Abbreviation) [‡]
		W nzh u tick virus (WzTV)
	<i>Thiafora orthonairovirus</i>	Erve virus (ERVEV)
		Thiafora virus (TEAV)
<i>Shaspiavirus</i>	<i>Spider shaspiavirus</i> *	Sh yáng spider virus 1 (SySV-1)
<i>Striwavirus</i>	<i>Strider striwavirus</i> *	S nxiá water strider virus 1 (SxWSV-1)
Family Peribunyaviridae		
<i>Herbevirus</i>	<i>Herbert herbevirus</i> *	Herbert virus (HEBV)
	<i>Kibale herbevirus</i>	Kibale virus (KIBV)
	<i>Tai herbevirus</i>	Tai virus (TAIV)
<i>Orthobunyavirus</i>	<i>Acara orthobunyavirus</i>	Acara virus (ACAV)
		Moriche virus (MORV)
	<i>Aino orthobunyavirus</i>	Aino virus (AINOV)
	<i>Akabane orthobunyavirus</i>	Akabane virus (AKAV)
		Tinaroo virus (TINV)
		Yaba-7 virus (Y7V)
	<i>Alajuela orthobunyavirus</i>	Alajuela virus (ALJV)
		San Juan virus (SJV)
	<i>Anadyr orthobunyavirus</i>	Anadyr virus (ANADV)
	<i>Anhembi orthobunyavirus</i>	Anhembi virus (AMBV)
	<i>Anopheles A orthobunyavirus</i>	Anopheles A virus (ANAV)
		Arumateua virus (ARTV = ARMTV)
		Caraipé virus (CPEV = CRPV)
		Las Maloyas virus (LMV)
		Lukuni virus (LUKV)
		Trombetas virus (TRMV)
		Tucuruí virus (TUCV = TUCRV)
	<i>Anopheles B orthobunyavirus</i>	Anopheles B virus (ANBV)
		Boracéia virus (BORV)

Genus	Species [†]	Virus (Abbreviation) [‡]
	<i>Bakau orthobunyavirus</i>	Bakau virus (BAKV)
		Ketapang virus (KETV)
		Nola virus (NOLAV)
		Tanjong Rabok virus (TRV)
		Telok Forest virus (TFV)
	<i>Batai orthobunyavirus</i>	Batai virus (BATV)
	<i>Batama orthobunyavirus</i>	Batama virus (BMAV)
	<i>Bellavista orthobunyavirus</i>	Bellavista virus (BELLV)
	<i>Benevides orthobunyavirus</i>	Benevides virus (BVSV = BENV)
	<i>Bertioga orthobunyavirus</i>	Bertioga virus (BERV)
		Cananãia virus (CNAV)
		Guaratuba virus (GTBV)
		Itimirim virus (ITIV)
		Mirim virus (MIRV)
	<i>Bimitti orthobunyavirus</i>	bimitti virus (BIMV)
	<i>Birao orthobunyavirus</i>	Birao virus (BIRV)
	<i>Botambi orthobunyavirus</i>	Botambi virus (BOTV)
	<i>Bozo orthobunyavirus</i>	Bozo virus (BOZOV)
	<i>Bunyamwera orthobunyavirus</i> *	Bunyamwera virus (BUNV)
		Germiston virus (GERV)
		Lokem virus (LOKV)
		Mboké virus (MBOV)
		Ngari virus (NRIV)
		Northway virus (NORV)
		Santa Rosa virus (SARV)
		Shokwe virus (SHOV)
		Stanfield virus (STAV)
		Xingu virus (XINV)
	<i>Bushbush orthobunyavirus</i>	Benfica virus (BENV = BNFV)

Genus	Species [†]	Virus (Abbreviation) [‡]
		Bushbush virus (BSBV)
		Juan Díaz virus (JDV)
	<i>Buttonwillow orthobunyavirus</i>	Buttonwillow virus (BUTV)
	<i>Bwamba orthobunyavirus</i>	Bwamba virus (BWAV)
		Pongola virus (PGAV)
	<i>Cache Valley orthobunyavirus</i>	Cache Valley virus (CVV)
		Choluta virus (CHLV)
		Tlacotalpan virus (TLAV)
	<i>Cachoeira Porteira orthobunyavirus</i>	Cachoeira Porteira virus (CPOV)
	<i>California encephalitis orthobunyavirus</i>	California encephalitis virus (CEV)
		Morro Bay virus (MBV)
	<i>Capim orthobunyavirus</i>	Capim virus (CAPV)
	<i>Caraparú orthobunyavirus</i>	Apeú virus (APEUV)
		Bruconha virus (BRUV)
		Caraparú virus (CARV)
		El Huayo virus (EHUV)
		Itaya virus (ITYV)
		Ossa virus (OSSAV)
		Vinces virus (VINV)
	<i>Cat Que orthobunyavirus</i>	Cát Qué virus (CQV)
		Oya virus (OYAV)
	<i>Catu orthobunyavirus</i>	Catú virus (CATUV)
	<i>Enseada orthobunyavirus</i>	Enseada virus (ENSV)
	<i>Faceys paddock orthobunyavirus</i>	Facey's paddock virus (FPV)
	<i>Fort Sherman orthobunyavirus</i>	Fort Sherman virus (FSV)
	<i>Gamboia orthobunyavirus</i>	Brus Laguna virus (BLAV)
		Calchaquí virus (CQIV)
		Gamboia virus (GAMV)
		Pueblo Viejo virus (PVV)

Genus	Species [†]	Virus (Abbreviation) [‡]
		Soberanía virus (SOBV)
	<i>Guajara orthobunyavirus</i>	Guajará virus (GJAV)
	<i>Guama orthobunyavirus</i>	Ananindeua virus (ANUV)
		Guamá virus (GMAV)
		Mahogany Hammock virus (MHV)
		Moju virus (MOJUV)
	<i>Guaroa orthobunyavirus</i>	Guaroa virus (GROV)
	<i>Iaco orthobunyavirus</i>	Iaco virus (IACOV)
	<i>Ilesha orthobunyavirus</i>	Ilesha virus (ILEV)
	<i>Ingwavuma orthobunyavirus</i>	Ingwavuma virus (INGV)
	<i>Jamestown Canyon orthobunyavirus</i>	Inkoo virus (INKV)
		Jamestown Canyon virus (JCV)
		Jerry Slough virus (JSV)
		South River virus (SORV)
	<i>Jatobal orthobunyavirus</i>	Jatobal virus (JATV)
	<i>Kaeng Khoi orthobunyavirus</i>	Kaeng Khoi virus (KKV)
	<i>Kairi orthobunyavirus</i>	Kairi virus (KRIV)
	<i>Keystone orthobunyavirus</i>	Keystone virus (KEYV)
	<i>Koongol orthobunyavirus</i>	koongol virus (KOOV)
		wongal virus (WONV)
	<i>La Crosse orthobunyavirus</i>	La Crosse virus (LACV)
	<i>Leanyer orthobunyavirus</i>	Leanyer virus (LEAV)
	<i>Lumbo orthobunyavirus</i>	Lumbo virus (LUMV)
	<i>Macaua orthobunyavirus</i>	Macauá virus (MCAV)
	<i>Madrid orthobunyavirus</i>	Madrid virus (MADV)
	<i>Maguari orthobunyavirus</i>	Maguari virus (MAGV)
		Playas virus (PLAV)
	<i>Main Drain orthobunyavirus</i>	Main Drain virus (MDV)
	<i>Manzanilla orthobunyavirus</i>	Manzanilla virus (MANV)

Genus	Species ^f	Virus (Abbreviation) ^g
		Inini virus (INIV)
	<i>Mariutuba orthobunyavirus</i>	Gumbo Limbo virus (GLV)
		Mariutuba virus (MTBV)
		Murutueti virus (MURV)
		Nepuyo virus (NEPV)
		Restan virus (RESV)
		Zungarococha virus (ZUNV)
	<i>Melao orthobunyavirus</i>	Melao virus (MELY)
	<i>Mermet orthobunyavirus</i>	Mermet virus (MERV)
	<i>Minatitlán orthobunyavirus</i>	Minatitlán virus (MINTV)
		Palestina virus (PLSV)
	<i>MPoko orthobunyavirus</i>	M'Poko virus (MPOV)
		Yaba-1 virus (Y1V)
	<i>Nyando orthobunyavirus</i>	Eretmapodites virus (ERETV)
		Mojú dos Campos virus (MDCV)
		Nyando virus (NDV)
	<i>Olifantsvlei orthobunyavirus</i>	Bobia virus (BIAV)
		Dabakala virus (DABV)
		Olifantsvlei virus (OLIV)
		Oubi virus (OUBIV)
	<i>Oriboca orthobunyavirus</i>	Itaquí virus (ITQV)
		Oriboca virus (ORIV)
	<i>Oropouche orthobunyavirus</i>	Iquitos virus (IQTV) ^d
		Madre de Dios virus (MDDV)
		Oropouche virus (OROV)
		Pertões virus (PDEV)
		Pintupo virus (PINTV)
	<i>Patois orthobunyavirus</i>	Abras virus (ABRV)
		Babahoya virus (BABV)

Genus	Species [†]	Virus (Abbreviation) [‡]
		Pahayokee virus (PAHV)
		Patois virus (PATV)
		Shark River virus (SRV)
	<i>Peaton orthobunyavirus</i>	Peaton virus (PEAV)
	<i>Potosi orthobunyavirus</i>	Potosi virus (POTV)
	<i>Sabo orthobunyavirus</i>	Sabo virus (SABOV)
	<i>San Angelo orthobunyavirus</i>	San Angelo virus (SAV)
	<i>Sango orthobunyavirus</i>	Sango virus (SANV)
	<i>Schmallenberg orthobunyavirus</i>	Douglas virus (DOUV)
		Sathuperi virus (SATV)
		Schmallenberg virus (SBV)
		Shamonda virus (SHAV)
	<i>Serra do Navio orthobunyavirus</i>	Serra do Navio virus (SDNV)
	<i>Shuni orthobunyavirus</i>	Kaikalur virus (KAIV)
		Shuni virus (SHUV)
	<i>Simbu orthobunyavirus</i>	Para virus (PARAV)
		Simbu virus (SIMV)
	<i>Snowshoe hare orthobunyavirus</i>	Khatanga virus (KHATV) [§]
		snowshoe hare virus (SSHV)
	<i>Sororoca orthobunyavirus</i>	Sororoca virus (SORV)
	<i>Tacaiuma orthobunyavirus</i>	CoAr 1071 virus (CA1071V)
		CoAr 3627 virus (CA3626V)
		Tacaiuma virus (TCMV)
		Virgin River virus (VRV)
	<i>Tahyna orthobunyavirus</i>	ahy a virus (TAHV)
	<i>Tataguine orthobunyavirus</i>	Tataguine virus (TATV)
	<i>Tensaw orthobunyavirus</i>	Tensaw virus (TENV)
	<i>Tete orthobunyavirus</i>	Bahig virus (BAHV)
		Matruh virus (MTRV)

Genus	Species [†]	Virus (Abbreviation) [‡]
		Tete virus (TETE ^V)
		Tsuruse virus (TSUV)
		Weldonia virus (WELV)
	<i>Thimiri orthobunyavirus</i>	Thimiri virus (THIV)
	<i>Timboteua orthobunyavirus</i>	Timboteua virus (TBTV)
	<i>Trivittatus orthobunyavirus</i>	Achiote virus (ACHOV)
		Trivittatus virus (TVT ^V)
	<i>Turlock orthobunyavirus</i>	Lednice virus (LEDV)
		Turlock virus (TURV)
		Umbre virus (UMBV)
	<i>Utinga orthobunyavirus</i>	Utinga virus (UTIV)
	<i>Witwatersrand orthobunyavirus</i>	Witwatersrand virus (WITV)
	<i>Wolkberg orthobunyavirus</i>	Wolkberg virus (WBV)
	<i>Wyeomyia orthobunyavirus</i>	Rio Pracuipi virus
		Taiassui virus (TAIAV)
		Tucunduba virus (TUCV)
		Wyeomyia virus (WYOV)
	<i>Zegla orthobunyavirus</i>	Zegla virus (ZEGV)
<i>Pacuvirus</i>	<i>Caimito pacuvirus</i>	Caimito virus (CAIV)
	<i>Chilibre pacuvirus</i>	Chilibre virus (CHIV)
	<i>Pacui pacuvirus</i> *	Pacui virus (PACV)
	<i>Rio Preto da Eva pacuvirus</i>	Rio Preto da Eva virus (RPEV)
	<i>Tapirape pacuvirus</i>	Tapirapé virus (TAPV)
<i>Shangavirus</i>	<i>Insect shangavirus</i> *	Shu ngão insect virus 1 (SgIV-1)
Family Phasmaviridae		
<i>Feravirus</i>	<i>Ferak feravirus</i> *	Ferak virus (FRKV)
<i>Jonvirus</i>	<i>Jonchet jonvirus</i> *	jonchet virus (JONV)
<i>Orthophasmavirus</i> s	<i>Anopheles orthophasmavirus</i>	Anopheles triannulatus orthophasmavirus (AIOPV)

Genus	Species [†]	Virus (Abbreviation) [‡]
	<i>Culex orthophasmavirus</i>	Culex orthophasmavirus (CPLY)
	<i>Ganda orthophasmavirus</i>	Ganda orthophasmavirus (GBEEV)
	<i>Kigluaiphantom orthophasmavirus</i> *	Kigluai phantom virus (KIGV)
	<i>Odonate orthophasmavirus</i>	Odonate orthophasmavirus (HbOV-8)
	<i>Qingling orthophasmavirus</i>	Qingling orthophasmavirus (HbOV-9)
	<i>Wuchang cockroach orthophasmavirus 1</i>	Wuchang cockroach virus 1 (WcCV-1)
	<i>Wuhan mosquito orthophasmavirus 1</i>	Wuhan mosquito virus 1 (WhMV-1)
	<i>Wuhan mosquito orthophasmavirus 2</i>	Wuhan mosquito virus 2 (WhMV-2)
<i>Sawastriivirus</i>	<i>Saxia sawastriivirus</i> *	Saxia water strider virus 2 (SxWSV-2)
<i>Wuhivirus</i>	<i>Insect wuhivirus</i> *	Wuhan insect virus 2 (WhIV-2)
Family Phenuiviridae		
<i>Bandavirus</i>	<i>Bhanja bandavirus</i>	Bhanja virus (BHAV)
	<i>Dabie bandavirus</i> *	severe fever with thrombocytopenia syndrome virus (SFTSV)
	<i>Guertu bandavirus</i>	Guertu virus (GTV)
	<i>Heartland bandavirus</i>	Heartland virus (HRTV)
	<i>Hunter Island bandavirus</i>	Hunter Island virus (HUIV)
	<i>Kismaayo bandavirus</i>	Kismaayo virus (KISV)
	<i>Lone Star bandavirus</i> [†]	lone star virus (LSV)
<i>Beidivirus</i>	<i>Dipteran beidivirus</i> *	Húb i diptera virus 3 (HbDV-3)
<i>Coguvirus</i>	<i>Citrus coguvirus</i> *	citrus concave gun-associated virus (CCGaV)
	<i>Coguvirus ebur</i>	citrus virus A (CIV-A)
<i>Entovirus</i>	<i>Entoleuca entovirus</i> *	Entoleuca phenui-like virus 1 (EnPLY-1)
<i>Goukovirus</i>	<i>Cumuto goukovirus</i>	Cumuto virus (CUMV)
	<i>Gouleako goukovirus</i> *	Gouleako virus (GOLV)
	<i>Yichang insect goukovirus</i>	Yichang insect virus (YcIV)
<i>Horwavirus</i>	<i>Horsefly horwavirus</i> *	Wuhan horsefly virus (WhHV)
<i>Hudivirus</i>	<i>Dipteran hudivirus</i> *	Húb i diptera virus 4 (HbDV-4)

Genus	Species [†]	Virus (Abbreviation) [‡]
<i>Hudovirus</i>	<i>Lepidopteran hudovirus</i> *	Húb i lepidoptera virus 1 (HbLV-1)
<i>Ixovirus</i>	<i>Blackleg ixovirus</i> *	blacklegged tick virus 1 (BLTV-1)
	<i>Norway ixovirus</i>	Fairhair virus (FHAV)
	<i>Scapularis ixovirus</i>	blacklegged tick virus 3 (BLTV-3)
<i>Laulavirus</i>	<i>Laurel Lake laulavirus</i> *	Laurel Lake virus (LLV)
<i>Lentivirus</i>	<i>Lentivula lentivirus</i> *	Lentivula edodes negative-strand RNA virus 2 (LeNSRV-2)
<i>Mobovirus</i>	<i>Mothra mobovirus</i> *	Mothra virus (MTHV)
<i>Phasivirus</i>	<i>Badu phasivirus</i> *	Badu virus (BADUV)
	<i>Dipteran phasivirus</i>	Húb i diptera virus 5 (HbDV-5)
	<i>Fly phasivirus</i>	Wühän fly virus 1 (W/hFV-1)
	<i>Phasi Charoen-like phasivirus</i>	Phasi Charoen-like virus (PCLV)
	<i>Wutai mosquito phasivirus</i>	Wütái mosquito virus (WtMV)
<i>Phlebovirus</i>	<i>Adana phlebovirus</i>	Adana virus (ADAV)
	<i>Aguacate phlebovirus</i>	Aguacate virus (AGUV)
	<i>Alcube phlebovirus</i>	Alcube virus (ACBV)
	<i>Alenquer phlebovirus</i>	Alenquer virus (ALEV)
	<i>Ambe phlebovirus</i>	Ambe virus (ABEV)
	<i>Anhanga phlebovirus</i>	Anhangá virus (ANHV)
	<i>Arumowot phlebovirus</i>	Arumowot virus (AMTV)
	<i>Buenaventura phlebovirus</i>	Buenaventura virus (BUEV)
	<i>Bujaru phlebovirus</i>	Bujaru virus (BUJV)
	<i>Cacao phlebovirus</i>	Cacao virus (CACV)
	<i>Campana phlebovirus</i>	Campana virus (CMAV)
	<i>Candiru phlebovirus</i>	Ariquemes virus (ARQV)
		Candirú virus (CDUV)
		Jacundá virus (JCNV)
		Morumbi virus (MR(M)BV)
		Mucura virus (MCRV/MRAV)

Genus	Species [†]	Virus (Abbreviation) [‡]
		Serra Norte virus (SRNV)
	<i>Chagres phlebovirus</i>	Chagres virus (CHGV)
	<i>Coele phlebovirus</i>	Coel� virus (CCLV)
	<i>Dashili phlebovirus</i>	D shi virus (DASV)
	<i>Durania phlebovirus</i>	Durania virus (DRNV)
	<i>Echarate phlebovirus</i>	Echarate virus (ECHV)
	<i>Gabek phlebovirus</i>	Gabek forest virus (GFV)
	<i>Gordil phlebovirus</i>	Gordil virus (GORV)
	<i>Icoaraci phlebovirus</i>	Icoaraci virus (ICOV)
	<i>Itaituba phlebovirus</i>	Itaituba virus (ITAV)
	<i>Itaporanga phlebovirus</i>	Itaporanga virus (ITPV)
	<i>Ixcanal phlebovirus</i>	Ixcanal virus (IXCV)
	<i>Karimabad phlebovirus</i>	Karimabad virus (KARV)
	<i>La Gloria phlebovirus</i>	La Gloria virus (LAGV)
	<i>Lara phlebovirus</i>	Rio Claro virus (RICV)
	<i>Leticia phlebovirus</i>	Leticia virus (LTCV)
	<i>Maldonado phlebovirus</i>	Maldonado virus (MLOV)
	<i>Mariquita phlebovirus</i>	Mariquita virus (MRQV)
	<i>Massilia phlebovirus</i>	Massilia virus (MASV)
	<i>Medjerda phlebovirus</i>	Medjerda Valley virus (MVV)
	<i>Mona Grita phlebovirus</i>	Mona Grita virus (MOGV)
	<i>Mukawa phlebovirus</i>	Mukawa virus (MKWV)
	<i>Munguba phlebovirus</i>	Munguba virus (MUNV)
	<i>Naples phlebovirus</i>	Arrabida virus (ARRV)
		Balkan virus (BALKV)
		Fermo virus (FERV)
		Granada virus (GRV = GRAV)
		Saddaguia virus (SADV)
		sandfly fever Naples virus (SFNV)

Genus	Species [¶]	Virus (Abbreviation) [§]
	<i>Nique phlebovirus</i>	Nique virus (NIQV)
	<i>Ntapes phlebovirus</i>	Ntapes virus (NTPV)
	<i>Odreńisrou phlebovirus</i>	Odreńisrou virus (ODRV)
	<i>Oriximina phlebovirus</i>	Oriximiná virus (ORXV)
	<i>Peña Blanca phlebovirus</i>	Peña Blanca virus (PEBV)
	<i>Punique phlebovirus</i>	Punique virus (PUNV)
	<i>Punta Toro phlebovirus</i>	Buenaventura virus (BUEV)
		Capira virus (CAPIV)
		Punta Toro virus (PTV)
	<i>Rift Valley fever phlebovirus</i> *	Rift Valley fever virus (RVFV)
	<i>Rio Grande phlebovirus</i>	Rio Grande virus (RGV)
	<i>Saint-Floris phlebovirus</i>	Saint-Floris virus (SAFV)
	<i>Salanga phlebovirus</i>	Salanga virus (SLGV)
	<i>Salehabad phlebovirus</i>	Adria virus (ADRV)
		Arbia virus (ARBV)
		Bregalaka virus (BREV)
		Olbia virus (OLBV)
		Salehabad virus (SALV)
		Zaba virus (ZABAV)
	<i>Salobo phlebovirus</i> [sic] ²	Salobo virus (SLBOV)
	<i>Sicilian phlebovirus</i>	sandfly fever Sicilian virus (SFSV)
	<i>Tapara phlebovirus</i>	Tapará virus (TPRV)
	<i>Tehran phlebovirus</i>	Tehran virus (THEV)
	<i>Tico phebivirus</i> [sic] ³	Tico virus (TICV)
	<i>Toros phlebovirus</i>	Toros virus (TORV)
	<i>Toscana phlebovirus</i>	Toscana virus (TOSV)
	<i>Tres Almendras phlebovirus</i>	Tres Almendras virus (TRAV)
	<i>Turuna phlebovirus</i>	Turuna virus (TUAV)

Genus	Species [†]	Virus (Abbreviation) [‡]
	<i>Urturana phlebovirus</i>	Urturana virus (URIV)
	<i>Urucuri phlebovirus</i>	Urucuri virus (URUV)
	<i>Viola phlebovirus</i>	viola virus (VIOV)
	<i>Zerdali phlebovirus</i>	Zerdali virus (ZERV)
<i>Pidchovirus</i>	<i>Pidgey pidchovirus</i> [*]	Pidgey virus (PGYV)
<i>Rubodvirus</i>	<i>Apple rubodvirus 1</i> [*]	apple rubbery wood virus 1 (ARWV-1)
	<i>Apple rubodvirus 2</i>	apple rubbery wood virus 2 (ARWV-2)
<i>Tenuivirus</i>	<i>Echinochloa hoja blanca tenuivirus</i>	Echinochloa hoja blanca virus (EHBV)
	<i>Iranian wheat stripe tenuivirus</i>	Iranian wheat stripe virus (IWSV)
	<i>Maize stripe tenuivirus</i>	maize stripe virus (MSV = MSPV)
	<i>Melon tenuivirus</i>	melon chlorotic spot virus (MeCSV)
	<i>Rice grassy stunt tenuivirus</i>	rice grassy stunt virus (RGSV)
	<i>Rice hoja blanca tenuivirus</i>	rice hoja blanca virus (RHBV)
	<i>Rice stripe tenuivirus</i> [*]	rice stripe virus (RSV = RStV)
	<i>Urochloa hoja blanca tenuivirus</i>	Urochloa hoja blanca virus (UHBV)
<i>Uukavirus</i>	<i>American dog uukavirus</i>	American dog tick virus (ADAV)
	<i>Dabieshan uukavirus</i>	Dabieshan tick virus (DBSH)
	<i>Grand Arbaud uukavirus</i>	Grand Arbaud virus (GAV)
	<i>Huangpi uukavirus</i>	Huangpi tick virus 2 (HpTV-2)
	<i>Kabuto mountain uukavirus</i>	Kabuto mountain virus (KAMV)
	<i>Kaisodi uukavirus</i>	Kaisodi virus (KASDV)
	<i>Lihan uukavirus</i>	Lihan tick virus (LITV)
	<i>Manawa uukavirus</i>	Manawa virus (MWAV)
	<i>Murre uukavirus</i>	murre virus (MURV)
	<i>Pacific coast uukavirus</i>	Pacific coast tick virus (PACV)
	<i>Precairous Point uukavirus</i>	Precairous Point virus (PPV)
	<i>Rukutama uukavirus</i>	Rukutama virus (RUKV)
	<i>Schmid uukavirus</i>	Nile Warbler virus (NIWV)

Genus	Species [†]	Virus (Abbreviation) [‡]
	<i>Silverwater uukuvirus</i>	Silverwater virus (SILV)
	<i>Tacheng uukuvirus</i>	Táchéng tick virus 2 (TCGV)
	<i>Uukuniemi uukuvirus</i> *	Chizé virus (CHZV)
		Fin V 707 virus (FINV)
		Oceanside virus (OCV = OCEV)
		Pontevés virus (PTVV)
		St. Abbs Head virus (SAHV)
		Uukuniemi virus (UUKV)
	<i>Yongjia uukuvirus</i>	Yóngjǐ tick virus (YONV)
	<i>Zaliv Terpeniya uukuvirus</i>	Zaliv Terpeniya virus (ZTV)
<i>Wenivirus</i>	<i>Shrimp wenivirus</i> *	W nzh u shrimp virus 1 (WzSV-1)
Family Tospoviridae		
<i>Orthotospovirus</i>	<i>Alstroemeria necrotic streak orthotospovirus</i>	Alstroemeria necrotic streak virus (ANSV)
	<i>Alstroemeria yellow spot orthotospovirus</i>	Alstroemeria yellow spot virus (AYSV)
	<i>Bean necrotic mosaic orthotospovirus</i>	bean necrotic mosaic virus (BeNMV)
	<i>Calla lily chlorotic spot orthotospovirus</i>	calla lily chlorotic spot virus (CCSV)
	<i>Capiscum chlorosis orthotospovirus</i>	Capiscum chlorosis virus (CaCV)
	<i>Chrysanthemum stem necrosis orthotospovirus</i>	Chrysanthemum stem necrosis virus (CSNV)
	<i>Groundnut bud necrosis orthotospovirus</i>	groundnut bud necrosis virus (GBNV)
	<i>Groundnut chlorotic fan spot orthotospovirus</i>	groundnut chlorotic fan-spot virus (GCFSV)
	<i>Groundnut ringspot orthotospovirus</i>	groundnut ringspot virus (GRSV)
	<i>Groundnut yellow spot orthotospovirus</i>	groundnut yellow spot virus (GYSV)
	<i>Hippeastrum chlorotic ringspot orthotospovirus</i>	Hippeastrum chlorotic spot virus (HCRV)
	<i>Impatiens necrotic spot orthotospovirus</i>	impatiens necrotic spot virus (INSV)
	<i>Iris yellow spot orthotospovirus</i>	iris yellow spot virus (IYSV)
	<i>Melon severe mosaic orthotospovirus</i>	melon severe mosaic virus (MSMV)
	<i>Melon yellow spot orthotospovirus</i>	melon yellow spot virus (MYSV)
	<i>Mulberry vein banding associated orthotospovirus</i>	mulberry vein banding-associated virus (MVBaV)
	<i>Pepper chlorotic spot orthotospovirus</i>	pepper chlorotic spot virus (PCSV)

Genus	Species ^f	Virus (Abbreviation) ^{&}
	<i>Polygonum ringspot orthotospovirus</i>	Polygonum ringspot virus (PolRSV)
	<i>Soybean vein necrosis orthotospovirus</i>	soybean vein necrosis virus (SYNV)
	<i>Tomato chlorotic spot orthotospovirus</i>	tomato chlorotic spot virus (TCSV)
	<i>Tomato spotted wilt orthotospovirus</i> [*]	tomato spotted wilt virus (TSWV)
	<i>Tomato yellow ring orthotospovirus</i>	tomato yellow ring virus (TYRV)
	<i>Tomato zonate spot orthotospovirus</i>	tomato zonate spot virus (TZSV)
	<i>Watermelon bud necrosis orthotospovirus</i>	watermelon bud necrosis virus (WBNV)
	<i>Watermelon silver mottle orthotospovirus</i>	watermelon silver mottle virus (WSMoV)
	<i>Zucchini lethal chlorosis orthotospovirus</i>	zucchini lethal chlorosis virus (ZLCV)
Family Wupedeviridae		
<i>Wumivirus</i>	<i>Millipede wumivirus</i> [*]	Wuhan millipede virus 2 (WhMV-2)

Note that viruses are real objects that are assigned to concepts that are called taxa. Species, genera, subfamilies, families, and orders are taxa.

^{*} type species

¹ Due to a formal classification mistake this species was named *Lone Star bandavirus* instead of *Lone star bandavirus*. A proposal to correct this mistake will be submitted prior to the next taxonomic proposal submission deadline.

² Due to a formal classification mistake this species was named *Salobo phlabovirus* instead of *Salobo phlebovirus*. A proposal to correct this mistake will be submitted prior to the next taxonomic proposal submission deadline.

³ Due to a formal classification mistake this species was named *Tico phebovirus* instead of *Tico phlebovirus*. A proposal to correct this mistake will be submitted prior to the next taxonomic proposal submission deadline.

^f Taxon names are always italicized and always begin with a capital letter.

[&] Virus names are not italicized and are not capitalized, except if the name or a name component is a proper noun. This column lists the virus names with their correct (lack of) capitalization. Lists of viruses within a given species are provisional at this point and will likely be amended in the near future.