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## 2022 TAXONOMIC UPDATE OF PHYLUM *Negarnaviricota* (*Riboviria*: *Orthornavirae*), INCLUDING THE LARGE ORDERS *Bunyavirales* AND *Mononegavirales*

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### Abstract

In March 2022, following the annual International Committee on Taxonomy of Viruses (ICTV) ratification vote on newly proposed taxa, the phylum *Negarnaviricota* was amended and emended. The phylum was expanded by two new families (bunyaviral *Discoviridae* and *Tulasviridae*), 41 new genera, and 98 new species. Three hundred forty-nine species were renamed and/or moved. The accidentally misspelled names of seven species were corrected. This article presents the updated taxonomy of *Negarnaviricota* as now accepted by the ICTV.

### Keywords

*Alivirusviridae* ; *Arenaviridae* ; articulaviral; *Articulavirales* ; *Artoviridae* ; *Aspiviridae* ; *Bornaviridae* ; bunyaviral; *Bunyavirales* ; bunyavirus; *Crepuscoviridae* ; *Discoviridae* ; *Filoviridae* ; *Fimoviridae* ; goujianviral; *Goujianvirales* ; *Hantaviridae* ; ICTV; International Committee on Taxonomy of Viruses; jingchuviral; *Jingchuvirales* ; megaclassification; megataxonomy; mononegaviral; *Mononegavirales* ; muviral; *Muvirales* ; *Mymonaviridae* ; *Myriaviridae* ; *Nairoviridae* ; *Natareviridae* ; negarnaviricot; *Negarnaviricota* ; *Nyamiviridae* ; *Orthomyxoviridae* ; *Orthornavirae* ; *Paramyxoviridae* ; *Peribunyaviridae* ; *Phasmaviridae* ; *Phenuiviridae* ; *Pneumoviridae* ; *Rhabdoviridae* ; *Riboviria* ; serpentoviral; *Serpentovirales* ; *Sunviridae* ; *Tenuivirus* ; *Tospoviridae* ; *Tulasviridae* ; virus classification; virus nomenclature; virus taxonomy

## INTRODUCTION

The 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 the possession of virally encoded RNA-directed RNA polymerases (RdRps). The phylum includes two subphyla, *Haploviricotina* and *Polyploviricotina*, for

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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.

SUMMARY

A summary of the current, ICTV-accepted taxonomy of the phylum *Negarnaviricota* is presented in Tables 1–7 and in the form of two posters (Supplementary Figure 1).

negative-sense RNA viruses that encode RdRps with or without mRNA capping activity, respectively. The two subphyla include four classes (*Chunqiuviricetes*, *Milneviricetes*, *Monjiviricetes*, and *Yunchangviricetes*) and two classes (*Ellioviricetes* and *Insthoviricetes*), respectively [33, 59, 74]. The phylum was last amended/emended in 2021 [34]. Here we present the changes that were proposed to the phylum via official taxonomic proposals (TaxoProps) in 2021 and accepted by the ICTV in March and May 2022 [23, 70]. These changes are now part of the official ICTV taxonomy [24].

## TAXONOMIC CHANGES IN SUBPHYLUM *Haploviricotina*

**Chunqiuviricetes**—The names of all species in the class were changed to binomials as required by the recently amended International Code of Virus Classification and Nomenclature (ICVCN) [25, 69, 81] (TaxoProp 2021.018M.R.Negarnaviricota\_sprename).

**Milneviricetes**—The names of all species in the class were changed to binomials as required by the recently amended ICVCN [25, 69, 81] (TaxoProp 2021.014P.R.Aspiviridae\_rename).

### **Monjiviricetes**

**1. Family *Aliusviridae*:** The species name *Olluvirus shayangense* was corrected to *Olluvirus shayangense* (TaxoProp 2021.042M.R.Corrections\_Riboviria\_Duplodnaviria).

**2. Family *Artoviridae*:** The names of all species in the family were changed to binomials as required by the recently amended ICVCN [25, 69, 81] (TaxoProp 2021.009M.R.Artoviridae\_sprename).

Genus *Peropuvirus* was expanded by one new species, *Peropuvirus melongenae*, for Solanum melongena rhabdo-like virus (SmRLV) identified in a metagenomic study of eggplant (*Solanum melongena* L.) leaf tissue sampled in Zhènji ng (镇江市), Ji ngs Province (江苏省), China [78] (TaxoProp 2021.029M.R.Peropuvirus\_1nsp).

**3. Family *Bornaviridae*:** The names of all species in the family were changed to binomials as required by the recently amended ICVCN [25, 69, 81] (2021.010M.R.Bornaviridae\_sprename).

Genus *Orthobornavirus* was expanded by one new species, *Orthobornavirus caenophidiae*, for Caribbean watersnake bornavirus (CWBV) and Mexican black-tailed rattlesnake bornavirus (MRBV) identified in archived raw transcriptomic read data of a Caribbean watersnake (colubrid *Tretanorhinus variabilis* A.M.C. Duménil, Bibron & A.H.A. Duménil, 1854) and a Mexican black-tailed rattlesnake (viperid *Crotalus molossus nigrescens* Gloyd, 1936), respectively [49] (TaxoProp 2021.021M.R.Orthobornavirus\_1nsp).

**4. Family *Filoviridae*:** Family *Filoviridae* was expanded by two genera:

- genus *Oblavirus* was established to include one new species, *Oblavirus percae*, for Oberland virus (OBLV) discovered by high-throughput sequencing (HTS) in

European perch (percid *Perca fluviatilis* Linnaeus, 1758) sampled in Switzerland [20] (TaxoProp 2021.011M.R.Filoviridae\_1ngen\_3nsp); and

- genus *Tapjovirus* was established to include one new species, *Tapjovirus bothropis*, for Tapajós virus (TAPV) discovered in sequence read archive (SRA) data obtained from a common lancehead (viperid *Bothrops atrox* (Linnaeus, 1758)) sampled in Brazil [21] (TaxoProp 2021.005M.R.Filoviridae\_1ngen\_1nsp).

Genus *Thamnovirus* was expanded by two new species, *Thamnovirus percae* for Fiwi virus (FIWIV) and *Thamnovirus kanderense* for Kander virus (KNDV), both discovered by HTS in European perch (percid *Perca fluviatilis* Linnaeus, 1758) sampled in Switzerland [20] (TaxoProp 2021.011M.R.Filoviridae\_1ngen\_3nsp).

**5. Family *Lispiviridae*:** Family *Lispiviridae* was thoroughly revised (TaxoProp 2021.016M.R.Lispiviridae\_16ngen\_13nsp):

- in genus *Arlivirus*, species *Lishi arlivirus* was renamed *Arlivirus arachnae*. Species *Gerrid arlivirus*, *Hubei arlivirus*, *Odonate arlivirus*, *Tacheng arlivirus*, and *Wuchang arlivirus* were renamed *Sanstrivirus gerridis*, *Leocovirus coleopteris*, *Damravirus dentatis*, *Ganiavirus tachengense*, and *Nematovirus wuchangense*, respectively, and moved into the newly created genera *Sanstrivirus*, *Leocovirus*, *Damravirus*, *Ganiavirus*, and *Nematovirus*, respectively;
- genus *Anicalvirus* was created to include the new species *Anicalvirus hangzhouense* for Anisopteromalus calandrae negative-strand RNA virus 2 (AcNSRV-2) discovered by HTS in a parasitoid wasp (pteromalid *Anisopteromalus calandrae* (Howard, 1881)) sampled in Hángzh u (杭州市), Zhèji ng Province (浙江省), China [72];
- genus *Anidravirus* was created to include the new species *Anidravirus hangzhouense* for Anisopteromalus calandrae negative-strand RNA virus 1 (AcNSRV-1) discovered by HTS in parasitoid wasps (pteromalid *Anisopteromalus calandrae* (Howard, 1881)) sampled in Hángzh u (杭州市), Zhèji ng Province (浙江省), China [72];
- genus *Copasivirus* was created to include two new species:
  - *Copasivirus manlyvaleense* for Jimsystemes virus (JIMV) discovered by HTS in termites (termitid *Occasitermes* sp.) sampled in Manly Vale, New South Wales, Australia [35]; and
  - *Copasivirus ivindoense* for isopteran arli-related virus OKIAV103 (IARV-103) discovered by HTS in termites (rhinotermitid *Coptotermes* sp.) sampled in Ivindo National Park (Parc national d'Ivindo), Ogooué-Ivindo Province, Gabon [27];
- genus *Cybitervirus* was created to include new species *Cybitervirus niederense* for coleopteran arli-related virus OKIAV107 (CARV-107) discovered by HTS

in beetles (dytiscid *Cybister lateralimarginalis* (De Geer, 1774)) sampled in Lüchow-Dannenberg, Lower Saxony (Niedersachsen), Germany [27];

- genus *Phelinovirus* was created to include new species *Phelinovirus aphidis* for hymenopteran arli-related virus OKIAV99 (HARV-99) discovered by HTS in parasitoid wasps (aphelinid *Aphelinus abdominalis* (Dalman, 1820)) in laboratory culture samples of unknown geographical origin [27];
- genus *Rivapovirus* was created to include new species *Rivapovirus aleyrodidae* for hemipteran arli-related virus OKIAV94 (HARV-94) discovered by HTS in greenhouse whiteflies (aleyrodid *Trialeurodes vaporariorum* Westwood, 1856) of commercial laboratory cultures sampled in Brandenburg, Germany [27];
- genus *Stylovirus* was created to include new species *Stylovirus niederense* for strepsipteran arli-related virus OKIAV104 (SARV-104) discovered by HTS in endoparasitic insects (stylopid *Stylops melittae* Kirby, 1802) sampled in Osnabrück, Lower Saxony (Niedersachsen), Germany [27];
- genus *Supelovirus* was created to include the new species *Supelovirus thailandense* for blattodean arli-related virus OKIAV102 (BARV-102) discovered by HTS in brown-banded cockroaches (ectobiid *Supella longipalpa* Fabricius, 1798) of laboratory culture samples originating from Thailand [27];
- genus *Synelinevirus* was created to include two new species:
  - *Synelinevirus paranaense* for Linepithema humile rhabdo-like virus 1 (LhuRLV-1) 1 discovered by HTS in Argentine ants (dolichoderine *Linepithema humile* (Mayr, 1868)) sampled in Catalonia (Cataluña), Spain [68]; and
  - *Synelinevirus bonnense* for hymenopteran arli-related virus OKIAV98 (HARV-98) discovered by HTS in gall wasps (cynipid *Synergus umbraculus* Walker, 1874) sampled in Bonn, North Rhine-Westphalia (Nordrhein-Westfalen), Germany [27];
- genus *Usmuvirus* was created to include the new species *Usmuvirus newyorkense* for Amsterdam virus (AMSV) discovered by HTS in house mice (murid *Mus musculus* Linnaeus, 1758) sampled in New York, New York, USA [73]; and
- genus *Xenophyovirus* was created to include the new species *Xenophyovirus mathesonense* for hemipteran arli-related virus OKIAV95 (HARV-95) discovered by HTS in moss bugs (peloridiid *Xenophyes metoponcus* Burckhardt, 2011) sampled in Lake Matheson, South Island Westland District, New Zealand [27].

**6. Family Mymonaviridae:** Genus *Auricularimonavirus* was expanded by one new species, *Auricularimonavirus bondarzewiae*, for *Bondarzewia berkeleyi* negative-strand RNA virus 1 (BbNSRV-1) discovered by HTS in stump blossoms (bondarzewiacean *Bondarzewia berkeleyi* (Fr.) Bondartsev & Singer (1941)) [65] (TaxoProp 2021.041M.R.Mymonaviridae\_5nsp).

Genus *Botrytimonavirus* was expanded by one new species, *Botrytimonavirus alphabotrytidis*, for Botrytis cinerea negative-stranded RNA virus 5 (BcNSRV-5) and Sclerotinia sclerotiorum negative-stranded RNA virus 10 (SsNSRV-10) discovered in metatranscriptomes of sclerotiniacean fungi (*Botrytis cinerea* Pers. (1794) and *Sclerotinia sclerotiorum* (Lib.) de Bary (1884) sampled in Italy/Spain and China, respectively) [26, 53] (TaxoProp 2021.041M.R.Mymonaviridae\_5nsp). *Sclerotinia sclerotiorum* negative-stranded RNA virus 11 (SsNSRV-11) discovered in a *Sclerotinia sclerotiorum* (Lib.) de Bary (1884) metatranscriptome data set [26] was assigned to the already established species *Botrytimonavirus botrytidis* (TaxoProp 2021.041M.R.Mymonaviridae\_5nsp).

Genus *Sclerotimonavirus* was expanded by three new species (TaxoProp 2021.041M.R.Mymonaviridae\_5nsp):

- *Sclerotimonavirus alphabotrytidis* for Botrytis cinerea negative-stranded RNA virus 3 (BcNSRV-3) and Sclerotinia sclerotiorum negative-stranded RNA virus 9 (SsNSRV-9) discovered in metatranscriptomes of sclerotiniacean fungi (*Botrytis cinerea* Pers. (1794) and *Sclerotinia sclerotiorum* (Lib.) de Bary (1884) sampled in Italy/Spain and China, respectively) [26, 53];
- *Sclerotimonavirus betabotrytidis* for Botrytis cinerea negative-stranded RNA virus 4 (BcNSRV-4), discovered in the metatranscriptome of a sclerotiniacean fungus (*Botrytis cinerea* Pers. (1794)) sampled in Italy/Spain [53]; and
- *Sclerotimonavirus cryphonectriae* for Cryphonectria parasitica sclerotimonavirus 1 (CpSV-1), discovered by HTS in a cryphonectriacean fungus (*Cryphonectria parasitica* (Murrill) M. E. Barr (1978)) sampled in Azerbaijan [18].

**7. Family Nyamiviridae:** The names of all species in the family were changed to binomials as required by the recently amended ICVCN [25, 69, 81] (TaxoProp 2021.020M.R.Nyamiviridae\_sprename).

Genus *Formivirus* was expanded by one new species, *Formivirus solenopsi*, for Solenopsis invicta virus 15 (SoINV-15) identified in the transcriptome of red fire ants (myrmicine *Solenopsis invicta* Buren, 1972) sampled in the US and Taiwan [77] (TaxoProp 2021.019M.R.Nyamiviridae\_3nsp).

Genus *Nyavirus* was expanded by two new species (TaxoProp 2021.019M.R.Nyamiviridae\_3nsp):

- *Nyavirus argatis*, for Sekira virus (SEKRV) identified in the RNA virome of a pool of ticks (argasid *Argas japonicus* Yamaguti, Clifford and Tipton, 1968) sampled in Mishima (三島市), Shizuoka Prefecture (静岡県), Japan [28]; and
- *Nyavirus somateriae* for Jeremy Point nyavirus (JPNV) identified in the spleen of a common eider (anatid *Somateria mollissima* (Linnaeus, 1758)) collected at Jeremy Point, Massachusetts, USA, in 2013 (unpublished; GenBank: MN045233).

**8. Family *Paramyxoviridae*:** Genus *Jeilongvirus* was expanded by eight new species (TaxoProp: 2021.014M.R.Jeilongvirus\_8nsp):

- *Jeilongvirus anhuiense* for *Miniopterus schreibersii* paramyxovirus (MisPV) discovered by HTS in Schreibers's long-fingered bats (miniopterid *Miniopterus schreibersii* (Kuhl, 1817)) sampled in China [75];
- *Jeilongvirus apodemi* for rodent paramyxovirus (RoPV) discovered by HTS in a Korean field mouse (murid *Apodemus peninsulae* (Thomas, 1907)) sampled in China [76];
- *Jeilongvirus comorosense* for bat paramyxovirus 16797 (BatPV-1) identified in a Comoran long-fingered bat (miniopterid *Miniopterus griveaudi* Harrison, 1959) sampled in Comoros (unpublished; GenBank: MG203877);
- *Jeilongvirus erinacei* for belevirus (BeV) discovered by HTS in West European hedgehogs (erinaceid *Erinaceus europaeus* Linnaeus, 1758) sampled in Belgium [66];
- *Jeilongvirus felis* for feline paramyxovirus (FPaV) identified in domestic cats (feline *Felis catus* Linnaeus, 1758) sampled in Germany [55, 61];
- *Jeilongvirus madagascarensis* for bat paramyxovirus 17770 (BatPV-2) identified in a Comoran long-fingered bat (miniopterid *Miniopterus griveaudi* Harrison, 1959) sampled in Madagascar (unpublished; GenBank: MG203878);
- *Jeilongvirus murinae* for bat paramyxovirus (BatPV-3) identified in a greater tube-nosed bat (vespertilionid *Murina leucogaster* (Milne-Edwards, 1872)) sampled in China [75]; and
- *Jeilongvirus rungweense* for ruloma virus (RuIV) detected by HTS in a Machangu's brush-furred rat (murid *Lophuromys machangui* Verheyen, Hulselmans, Dierckx, Mulungu, Leirs, Corti & Verheyen, 2007) sampled in Rungwe District, Mbeya Region, Tanzania [67].

**9. Family *Rhabdoviridae*:** The names of all species in the family were changed to binomials as required by the recently amended ICVCN [25, 69, 81] (TaxoProps 2021.036M.R.Rhabdoviridae\_sprename, 2021.042M.R.Corrections\_Riboviria\_Duplodnaviria, and 2021.043M.R.Corrections\_Mononegavirales\_Bunyavirales).

Five new genera were created and included in the subfamily *Alpharhabdovirinae*:

- genus *Amplivivirus*, including one novel species, *Amplivivirus cinereus*, for frog lyssa-like virus 1 (FLLV-1) detected in an American green tree frog (hylid *Dryophytes cinereus* (Schneider, 1799)) (unpublished; GenBank: MK473367) (2021.035M.R.Rhabdoviridae\_2ngen\_2nsp);
- genus *Cetarhavirus* for two new species (2021.003M.R.Alpharhabdovirinae\_3ngen\_7nsp):

- *Cetarhavirus laganorhynchus* for dolphin rhabdovirus (DRV) isolated from a white-beaked dolphin (delphinid *Lagenorhynchus albirostris* (Gray, 1846)) sampled in Schiermonnikoog, Friesland, Holland [45]; and
- *Cetarhavirus phocoena* for harbour porpoise rhabdovirus (HPRV) isolated from a harbour porpoise (phocoenid *Phocoena phocoena* (Linnaeus, 1758)) stranded off the coast of Alaska [15];
- genus *Replylivirus*, including one novel species, *Replylivirus allogus*, for anole lyssa-like virus 1 (ALLV-1) identified in RNAseq data from a Spanish flag anole (dactyloid *Anolis allogus* Barbour & Ramsden, 1919) [22] (2021.035M.R.Rhabdoviridae\_2ngen\_2nsp);
- genus *Scophrhavirus* for two new species (2021.003M.R.Alpharhabdovirinae\_3ngen\_7nsp):
  - *Scophrhavirus chanodichthys* for Wuhan redfin culter dimarhabdovirus (WhRFCRV) detected by high-throughput sequencing in redfin culter (cyprinid *Chanodichthys erythropterus* (Basilewsky, 1855)) collected in Húb i Province (湖北省), China [58];
  - *Scophrhavirus maximus* for Scopthalmus maximus rhabdovirus (SMRV) isolated from turbot fish (scopthalmid *Scopthalmus maximus* (Linnaeus, 1758)) sampled in Sh nd ng Province (山东省), China [82];
- genus *Siniperhavirus* for two new species (2021.003M.R.Alpharhabdovirinae\_3ngen\_7nsp):
  - *Siniperhavirus chuatsi* for Siniperca chuatsi rhabdovirus (SRCV) isolated from mandarin fish (sinipercid *Siniperca chuatsi* (Basilewsky, 1855)) collected in Guǎngd ng Province (广东省), China [86, 87]; Chinese rice-field eel rhabdovirus (CrERV) isolated from Chinese ricefield eels (synbranchid *Monopterus albus* (Zuiew, 1793)) sampled in Qiánji ng (潜江市), Húb i Province (湖北省), China [38]; hybrid snakehead rhabdovirus (HSHRV) isolated from hybrid snakehead (channid *Channa maculata* × *Channa argus*) sampled in Fósh n (佛山市), Guǎngd ng Province (广东省), China [80]; and Micropterus salmoides rhabdovirus (MSRV) isolated from largemouth bass (centrarchid *Micropterus salmoides* (Lacépède, 1802)) sampled in Yúháng (余杭区), Zhèji ng Province (浙江省), China [40]; and
  - *Siniperhavirus zoarces* for harbour eelpout rhabdovirus (EPRV) detected by HTS in eelpout (zoarcid *Zoarces viviparus* (Linnaeus, 1758)) near Stockholm, Sweden [2];

Genus *Alphanucleorhabdovirus* was expanded by one new species, *Alphanucleorhabdovirus joa*, for joa yellow blotch associated virus (JYBaV) identified in joá (solanaceae *Solanum*

*aculeatissimum* L.) plants sampled in Manaus, State of Amazonas (Estado de Amazonas), Brazil [11] (TaxoProp 2021.001M.A.v1.Betarhabdovirinae\_7nsp).

Genus *Betanucleorhabdovirus* was expanded by one new species, *Betanucleorhabdovirus bacopae*, for Bacopa monnieri virus 2 (BmV-2) identified in transcriptomic data of water hyssop (plantaginaceae *Bacopa monnieri* L.) tissues sampled in Lucknow, Uttar Pradesh, India [60] (TaxoProp 2021.001M.A.v1.Betarhabdovirinae\_7nsp).

Genus *Cytorhabdovirus* was expanded by five new species (TaxoProp 2021.001M.A.v1.Betarhabdovirinae\_7nsp):

- *Cytorhabdovirus bacopae* for Bacopa monnieri virus 1 (BmV-1) identified in transcriptomic data of water hyssop (plantaginaceae *Bacopa monnieri* L.) tissues sampled in Lucknow, Uttar Pradesh, India [60];
- *Cytorhabdovirus chrysanthemi* for chrysanthemum yellow dwarf associated virus (CYDaV) identified in grey-leaved euryops (asteraceae *Euryops pectinatus* (L.) Cass.) plant sampled in Chóngqìng (重庆市), China [37];
- *Cytorhabdovirus cucurbitae* for cucurbit cytorhabdovirus 1 (CuCV-1) identified in zucchini (cucurbitaceae *Cucurbita pepo* L.) plants sampled in Greece [44];
- *Cytorhabdovirus broussonetiae* for paper mulberry mosaic associated virus (PMuMaV) identified in paper mulberry (moraceae *Broussonetia papyrifera* L.) plants sampled in Chóngqìng (重庆市), China [51]; and
- *Cytorhabdovirus rosae* for rose virus R (RVR), identified in a rose ‘Hugh Dickson’ plant from Maryland, USA [5].

Genus *Hapavirus* was expanded by two new species (TaxoProp 2021.004M.R.Alpharhabdovirinae\_13nsp):

- *Hapavirus bangoran* for Bangoran virus (BGNV) found in mosquitoes (culicid *Culex perfuscus* Edwards, 1914) sampled in Bangoran, Bamingui-Bangoran Prefecture, Central African Republic [6, 14]; and
- *Hapavirus porton* for Porton virus (PORV) found in mosquitoes (culicid *Mansonia uniformis* (Theobald, 1901)) sampled in Sarawak state, Malaysia [6].

Genus *Ledantevirus* was expanded by one new species, *Ledantevirus taiyi*, for Taiyi bat virus (TYBV) found in Chinese rufous horseshoe bats (rhinolophid *Rhinolophus sinicus* K. Andersen, 1905) sampled in Xiánníng (咸宁市), Húbí Province (湖北省), China [39] (TaxoProp 2021.004M.R.Alpharhabdovirinae\_13nsp).

Genus *Perhabdovirus* was expanded by one new species, *Perhabdovirus leman*, for Lemman virus (LeRV) isolated from perch fry sampled from Lake Geneva (Lac Léman), France [47] (TaxoProp 2021.003M.R.Alpharhabdovirinae\_3ngen\_7nsp).

Genus *Sunrhavirus* was expanded by eight new species (TaxoProp 2021.004M.R.Alpharhabdovirinae\_13nsp):



- *Sunrhavirus sandjimba* for Sandjimba virus (SJAV) found in sedge warblers (acrocephalid *Acrocephalus schoenobaenus* (Linnaeus, 1758)) collected at the Landjia river, Ombella-M'Poko Prefecture, Central African Republic [6, 14];
- *Sunrhavirus nasoule* for Nasoule virus (NASV) found in little greenbuls (pycnonotid *Eurillas virens* (Cassin, 1857)) sampled in Nasoule, Mambéré-Kadéï Prefecture, Central African Republic [6, 14];
- *Sunrhavirus boteke* for Boteke virus (BOTV) found in mosquitoes (culicid *Coquillettidia maculipennis* (Theobald, 1911)) sampled in Boteke, Ombella-M'Poko Prefecture, Central African Republic [6, 14];
- *Sunrhavirus bimbo* for Bimbo virus (BBOV) found in yellow-crowned bishop (ploceid *Euplectes afer* (Gmelin, 1789)) sampled in Kolongo, Ombella-M'Poko Prefecture, Central African Republic [6, 14];
- *Sunrhavirus kolongo* for Kolongo virus (KOLV) found in yellow-crowned bishop (ploceid *Euplectes afer* (Gmelin, 1789)) sampled in Bangui, Central African Republic [6, 14];
- *Sunrhavirus ouango* for Ouango virus (OUAV) found in black-headed weaves (ploceid *Ploceus melanocephalus* (Linnaeus, 1758)) collected at the Landjia river, Ombella-M'Poko Prefecture, Central African Republic [6, 14];
- *Sunrhavirus alexandria* for Burg el Arab virus (BEAV) found in lesser whitethroats (sylviid *Curruca curruca* (Linnaeus, 1758)) sampled in Borg El Arab/Burj al-'Arab (قسم برج العرب), Alexandria Governorate (محافظة الإسكندرية), Egypt [6]; and
- *Sunrhavirus matariya* for Matariya virus (MTYV) found in lesser whitethroats (sylviid *Curruca curruca* (Linnaeus, 1758)) sampled in Port Saïd/Brsa' d (بور سعيد), Port Saïd Governorate (محافظة بورسعيد), Egypt [6].

Genus *Vesiculovirus* was expanded by two new species (TaxoProp 2021.004M.R.Alpharhabdovirinae\_13nsp):

- *Vesiculovirus mediterranean* for Mediterranean bat virus (MBV) found in bats sampled in Algeria, Morocco, and Spain (unpublished; GenBank: MW557331); and
- *Vesiculovirus yinshui* for Yinshui bat virus (YSBV) found in Chinese rufous horseshoe bats (rhinolophid *Rhinolophus sinicus* K. Andersen, 1905) sampled in Xiánning (咸宁市), Húb i Province (湖北省), China [39].

**10. Family *Sunviridae*:** The name of the only species in the family was changed to a binomial as required by the recently amended ICVCN [25, 69, 81] (2021.037M.R.Sunviridae\_sprename).

**11. Family *Xinmoviridae*:** Family *Xinmoviridae* was thoroughly revised (2021.039M.R.Xinmoviridae\_11ngen\_8nsp):

- in the genus *Anphevirus*, the species *Shuangao anphevirus* was abolished, and the species *Xincheng anphevirus* was renamed *Anphevirus xinchengense*. Species *Dipteran anphevirus*, *Odonate anphevirus*, *Drosophilid anphevirus*, *Bolahun anphevirus*, and *Orthopteran anphevirus* were renamed *Alasvirus muscae*, *Draselvirus dentati*, *Drunivirus chambonense*, *Gambievirus bolahunense*, and *Hoptevirus orthopteris*, respectively, and moved into the newly created genera *Alasvirus*, *Draselvirus*, *Drunivirus*, *Gambievirus*, and *Hoptevirus*, respectively;
- genus *Doupovirus* was created to include the new species *Doupovirus australiaense* for Culex mononega-like virus 2 (CMLV-2) discovered by HTS in mosquitoes (culicid *Culex australicus* Dobrotworsky & Drummond, 1953) sampled in Point Douro, Western Australia, Australia [57];
- genus *Gambievirus* was created to include the new species *Gambievirus senegalense* for Gambie virus (GAMV) discovered by HTS in mosquitoes (culicid *Anopheles gambiae* Giles, 1902) sampled in Senegal [17];
- genus *Gylbovirus* was created to include new species *Gylbovirus aagae* for Aedes anphevirus (AeAV) discovered by HTS in yellow fever mosquitoes (culicid *Aedes aegypti* (Linnaeus in Hasselquist, 1762)) and the Aag2 Aedes albopictus cell line [10, 48];
- genus *Madalivirus* was created to include two new species:
  - *Madalivirus amapaense* for Anopheles marajoara virus (AnMV) discovered by HTS in mosquitoes (culicid *Anopheles marajoara* Galvao & Damesceno 1942) sampled in Macapá, Amapá State, Brazil [56]; and
  - *Madalivirus amazonaense* for Anopheles darlingi virus (AnDV) discovered by HTS in American malaria mosquitoes (culicid *Anopheles darlingi* Root, 1926) sampled in Macapá, Amapá State, and Manaus, Amazonas State, Brazil [56];
- genus *Pelmivirus* was created to include new species *Pelmivirus eymattense* for hymenopteran anphe-related virus OKIAV71 (HARV-71) discovered by HTS in parasitoid wasps (ichneumonid *Heteropelma amictum* (Fabricius, 1775)) sampled in Eymatt, Bern, Switzerland [27];
- genus *Triniovirus* was created to include the new species *Triniovirus yonagoense* for Culex tritaeniorhynchus anphevirus (CtAV) discovered by HTS in mosquitoes (culicid *Culex tritaeniorhynchus* Giles, 1901) sampled in Yonago (米子市), Tottori Prefecture (鳥取県), Japan [16]; and
- genus *Ulegvirus* was created for new species *Ulegvirus freckenfeldense* for odonatan anphe-related virus OKIAV59 (OARV-59) discovered by HTS in golden-ringed dragonflies (cordulegastrid *Cordulegaster boltonii* (Donovan, 1807)) sampled in Freckenfeld, Rhineland-Palatinate (Rheinland-Pfalz), Germany [27].

**Yunchangviricetes**—The names of all species in the class were changed to binomials as required by the recently amended International Code of Virus Classification and Nomenclature (ICVCN) [25, 69, 81] (TaxoProp 2021.018M.R.Negarnaviricota\_sprename).

## TAXONOMIC CHANGES IN SUBPHYLUM *Polyploviricotina*

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

**Family Amnoonviridae**—The name of the only species in the family was changed to a binomial as required by the recently amended International Code of Virus Classification and Nomenclature (ICVCN) [25, 69, 81] (TaxoProp 2021.018M.R.Negarnaviricota\_sprename).

**Family Orthomyxoviridae**—The names of all species in the family were changed to binomials as required by the recently amended ICVCN [25, 69, 81] (TaxoProp 2021.024M.R.Orthomyxoviridae\_sprename).

One new genus, *Mykissvirus*, was established to include one new species, *Mykissvirus tractae*, for rainbow trout orthomyxovirus (RbtOV) and steelhead trout orthomyxovirus (SttOV-1) first isolated from commercially reared rainbow trout (salmonid *Oncorhynchus mykiss* (Walbaum, 1792)) in Hagerman Valley, Idaho, USA [4] (TaxoProp 2021.022M.R.Orthomyxoviridae\_1ngen\_1nsp\_Mykiss).

One new genus, *Sardinivirus*, was established to include one new species, *Sardinivirus pilchardi*, for pilchard orthomyxovirus (POMV) first isolated from blue pilchards (clupeid *Sardinops sagax* (Jenyns, 1842)) sampled off the coast of South Australia and subsequently Tasmania [19, 41] (TaxoProp 2021.023M.R.Orthomyxoviridae\_1ngen\_1nsp\_Sardino).

Genus *Quaranjavirus* was expanded by four new species (TaxoProp 2021.034M.R.Quaranjavirus\_4nsp):

- *Quaranjavirus araguariense* for Araguari virus (ARAV) isolated from a gray four-eyes opossum (didelphid *Philander opossum* (Linnaeus, 1758)) sampled in Serra do Navio, Amapá State, Brazil [9, 79];
- *Quaranjavirus chadense* for Lake Chad virus (LKCV) isolated from a vitelline masked weaver (ploceid *Ploceus vitellinus* (Lichtenstein, 1823)), sampled at Lake Chad, Nigeria [50];
- *Quaranjavirus tyulekense* for Tyulek virus (TLKV) isolated from ticks (argasid *Argas vulgaris* Filippova, 1961) sampled near Tülök/Tölök (Тюлёк/Төлөк), Naryn Region (Нарынская область), Kirghiz Soviet Socialist Republic, USSR [85]; and
- *Quaranjavirus wellfleetense* for Wellfleet Bay virus (WFBV) isolated from common eiders (anatid *Somateria mollissima* (Linnaeus, 1758)) sampled at Cape Cod, Massachusetts, USA [1].

Genus *Thogotovirus* was expanded by six new species (TaxoProp 2021.038M.R.Thogotovirus\_6nsp):

- *Thogotovirus bourbonense* for Bourbon virus (BRBV) isolated from a human sampled in Bourbon County, Kansas, USA [30];
- *Thogotovirus josense* for Jos virus (JOSV) isolated from a zebu (bovid *Bos indicus* Linnaeus, 1758) and ticks (ixodid *Amblyomma variegatum* (Fabricius, 1794) and *Rhipicephalus decoloratus* Koch, 1844)) sampled in Jos, Plateau State, Nigeria [36];
- *Thogotovirus ozense* for Oz virus (OZV) isolated from ticks (ixodid *Amblyomma testudinarium* Koch, 1844) sampled in Ehime Prefecture (愛媛県), Japan [13];
- *Thogotovirus sinuense* for Sinu virus (SINUV) isolated from a pool of mosquitoes collected in San Bernardo del Viento, Córdoba Department, Colombia [8];
- *Thogotovirus thailandense* for Thailand tick thogotovirus (TT-THOV) detected by HTS in ticks (ixodid *Boophilus* sp.) sampled in Tha Wang Pha District (ท่าวังพ่า), Nan Province (น่าน), Thailand [63]; and
- *Thogotovirus upoluense* for Upolu virus (UPOV) isolated from ticks (ixodid *Ornithodoros capensis* Neumann, 1901) sampled on Upolu Cay, Great Barrier Reef, Australia [12].

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

The order *Bunyavirales* was expanded by two new families (2021.040M.R.Bunyavirales\_2nfam\_2ngen\_6nsp):

- *Discoviridae*: genus *Orthodiscovirus* was created for five species:
  - *Orthodiscovirus coniiellae* for Coniothyrium diplodiella negative-stranded RNA virus 1 (CdNSRV-1) and Plasmopara viticola lesion associated mycobunyavirales-like virus 9, discovered by HTS in an isolate of a fungus (melanconidacean *Coniella diplodiella* (Speg.) Petr. & Syd., (1927)) and in plant lesions caused by grapevine downy mildew (peronosporacean *Plasmopara viticola* (Berk. & M.A. Curtis) Berl. & De Toni, (1888)), respectively [42];
  - *Orthodiscovirus hispaniae* for Plasmopara viticola lesion associated mycobunyavirales-like virus 8 (PvLAM-LV8) discovered by HTS in plant lesions caused by grapevine downy mildew (peronosporacean *Plasmopara viticola* (Berk. & M.A. Curtis) Berl. & De Toni, (1888)) [7];
  - *Orthodiscovirus iberiae* for Plasmopara viticola lesion associated mycobunyavirales-like virus 4 (PvLAM-LV4) discovered by HTS in plant lesions caused by grapevine downy mildew (peronosporacean *Plasmopara viticola* (Berk. & M.A. Curtis) Berl. & De Toni, (1888)) [7];

- *Orthodiscovirus missouriense* for *Penicillium discovirus* (PDV) discovered by HTS in a fungus (trichocomacean *Penicillium atramentosum* Thom, C. 1910) [31]; and
- *Orthodiscovirus penicillii* for *Penicillium roseopurpureum* negative ssRNA virus 1 (PrNssV-1) discovered by HTS in a fungus (trichocomacean *Penicillium roseopurpureum* Dierckx, R.P. 1901) [42];
- *Tulasviridae*: genus *Orthotulasvirus* was created to include one species, *Orthotulasvirus tulasnellae*, for *Tulasnella* bunyavirales-like virus 1 (TB-LV) discovered by HTS in an orchid mycorrhizal virome and confirmed to be present in an isolate of an effused fungus (tulasnellacean *Tulasnella* sp.) by full length Sanger sequencing of its cDNA [62].

**Family Arenaviridae**—Genus *Mammarenavirus* was expanded by two new species:

- *Mammarenavirus bituense* for Bitu virus (BITV) detected by HTS in *Namaquamicamelamys* (*Micaelamys namaquensis* (A. Smith, 1834)) sampled in Angola (TaxoProp 2021.006M.R.Mammarenavirus\_1nsp\_Bitu) [64]; and
- *Mammarenavirus kwanzaense*, for Kwanza virus (KWAV) detected by HTS in gray-bellied mice (*Mus triton* (Thomas, 1909)) sampled in Angola (TaxoProp 2021.007M.R.Mammarenavirus\_1nsp\_Kwanza) [64].

**Family Fimoviridae**—The names of all species in the family were changed to binomials as required by the recently amended ICVCN [25, 69, 81] (TaxoProp 2021.013P.R.Fimoviridae\_rename).

Genus *Emaravirus* was expanded by three new species:

- *Emaravirus aceris* for maple mottle-associated emaravirus (MaMaV) discovered by HTS in maple (sapindacean *Acer* sp.) sampled in Germany (TaxoProp 2021.010P.R.Emaravirus\_1ns) [54];
- *Emaravirus chrysanthemi* for chrysanthemum mosaic-associated emaravirus (ChMaV) discovered by HTS in chrysanthemum (asteracean *Chrysanthemum morifolium* L.) sampled in Japan (TaxoProps 2021.011P.R.Emaravirus\_1ns and 2021.043M.R.Corrections\_Mononegavirales\_Bunyavirales) [32]; and
- *Emaravirus quercus* for common oak ringspot-associated emaravirus (CORaV) discovered by HTS in oak (fagacean *Quercus robur* L.) sampled in Germany and Scandinavia (TaxoProp 2021.012P.R.Emaravirus\_1ns) [52].

**Family Hantaviridae**—The species name *Seewis orthohantavirus* was corrected to *Seewis orthohantavirus* (TaxoProp 2021.042M.R.Corrections\_Riboviria\_Duplodnaviria).

The species name *Thottopalayam thottimvirus* was corrected to *Thottopalayam thottimvirus* (TaxoProp 2021.042M.R.Corrections\_Riboviria\_Duplodnaviria).

**Family *Leishbuviridae***—The name of the only species in the family was changed to a binomial as required by the recently amended ICVCN [25, 69, 81] (TaxoProp 2021.018M.R.Negarnaviricota\_sprename).

**Family *Mypoviridae***—The name of the only species in the family was changed to a binomial as required by the recently amended ICVCN [25, 69, 81] (TaxoProp 2021.018M.R.Negarnaviricota\_sprename).

**Family *Peribunyaviridae***—Family *Peribunyaviridae* was expanded by three new genera (TaxoProp 2021.027M.R.Peribunyaviridae\_3ngen\_3nsp):

- *Khurdivirus*, including one new species, *Khurdivirus volgaense*, for Khurdun virus (KHURV) isolated from a Eurasian coot (rallid *Fulica atra* Linnaeus, 1758) sampled in Astrakhan Region (Астраханская область), Russia [83, 84];
- *Lakivirus*, including one new species, *Lakivirus lakamhaense*, for Lakamha virus (LAKV) discovered by HTS in a mosquito (culicid *Wyeomyia complosa* (Dyar, 1928)) sampled in Palenque, Chiapas, Mexico [29]; and
- *Lambavirus*, including one new species, *Lambavirus wisconsinense*, for largemouth bass bunyavirus (LBBV) discovered by HTS in largemouth bass (centrarchid *Micropterus salmoides* (Lacépède, 1802)) sampled in the upper Mississippi River, Wisconsin, USA [71].

The species name *Lumbo orthobunyavirus* was corrected to *Lumbo orthobunyavirus* (TaxoProp 2021.042M.R.Corrections\_Riboviria\_Duplodnaviria).

**Family *Phasmaviridae***—The family was expanded by one new genus, *Cicadellivirus*, to include one new species, *Cicadellivirus scaphoidei*, for Scaphoideus titanus bunya-like virus 1 (StHV) (TaxoProp 2021.030M.R.Phasmaviridae\_1ngen\_5nsp) [46].

Genus *Orthophasmavirus* was expanded by four new species (TaxoProps 2021.030M.R.Phasmaviridae\_1ngen\_5nsp and 2021.043M.R.Corrections\_Mononegavirales\_Bunyavirales):

- *Orthophasmavirus coredoense* for Coredo virus (CORV) discovered by HTS in mosquitoes (culicid *Mansonia titillans* (Walker, 1848)) sampled in Colombia (unpublished; GenBank: MN661021–3);
- *Orthophasmavirus barstukasense* for Barstukas virus (BARV) discovered by HTS in mosquitoes (culicid *Aedes* sp.) sampled in California, USA [3];
- *Orthophasmavirus miglotasense* for Miglotas virus (MIGV) discovered by HTS in mosquitoes (culicid *Aedes* sp. and *Culex* sp.) sampled in California, USA [3]; and
- *Orthophasmavirus flenense* for Flen virus (FLNV) discovered by HTS in mosquitoes (culicid *Aedes cantans* (Meigen, 1818)) sampled in Flen, Södermanland County (Södermanlands län), Sweden [43].

**Family *Wupedeviridae***—The name of the only species in the family was changed to a binomial as required by the recently amended ICVCN [25, 69, 81] (TaxoProp 2021.018M.R.Negarnaviricota\_sprename).

## Supplementary Material

Refer to Web version on PubMed Central for supplementary material.

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## COMPLIANCE WITH ETHICAL STANDARDS

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ICTV-accepted taxonomy of the order *Murvirales* (*Negarnaviricota: Haploviricotina: Chunqiuviricetes*) as of March 2022.

**Table 1.**

Genus	Species <sup>#</sup>	Virus (Abbreviation) <sup>&amp;</sup>
<b>Family <i>Qinviridae</i></b>		
<i>Yingvirus</i>	<i>Yingvirus beihaiense</i>	B ihai sesamid crab virus 4 (BhSCV-4)
	<i>Yingvirus charybdis</i>	W nzh u qinvirus-like virus 2 (WzQLV-2)
	<i>Yingvirus hubeiense</i>	Húb i qinvirus-like virus 1 (HbQLV-1)
	<i>Yingvirus sanxiaense</i>	S nxiá qinvirus-like virus 1 (SxQLV-1)
	<i>Yingvirus shabeense</i>	Sh hé qinvirus-like virus 1 (ShQLV-1)
	<i>Yingvirus wenzhouense</i>	W nzh u qinvirus-like virus 1 (WzQLV-1)
	<i>Yingvirus wuhanense</i>	Wùhàn insect virus 15 (WhIV-15)
	<i>Yingvirus xinzhouense</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.

<sup>#</sup>Taxon names are always italicized and always begin with a capital letter.

<sup>&</sup>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.

ICTV-accepted taxonomy of the order *Serpentovirales* (*Negamaviricota*: *Haploviricotina*: *Milneviricetes*) as of March 2022.

**Table 2.**

Genus	Species <sup>¶</sup>	Virus (Abbreviation) <sup>&amp;</sup>
<b>Family <i>Aspiviridae</i></b>		
<i>Ophiiovirus</i>	<i>Ophiiovirus citri</i>	citrus psorosis virus (CPSV)
	<i>Ophiiovirus freesia</i>	freesia sneak virus (FreSV)
	<i>Ophiiovirus lactucae</i>	lettuce ring necrosis virus (LRNV)
	<i>Ophiiovirus mirafioriense</i>	Mirafiori lettuce big-vein virus (MLBVV)
	<i>Ophiiovirus ranunculi</i>	ranunculus white mottle virus (RWMV)
	<i>Ophiiovirus tulipae</i>	tulip mild mottle mosaic virus (TMMMV)
	<i>Ophiiovirus vaccinii</i>	blueberry mosaic associated virus (BIMaV)

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

<sup>¶</sup>Taxon names are always italicized and always begin with a capital letter.

<sup>&</sup>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.

Table 3.

ICTV-accepted taxonomy of the order *Jingchuvirales* (Negarnaviricota: *Haploviricota*: *Monjiviricetes*) as of March 2022.

Genus	Species <sup>¶</sup>	Virus (Abbreviation) <sup>&amp;</sup>
<b>Family <i>Alivirusidae</i></b>		
<i>Obscurivirus</i>	<i>Obscurivirus quintum</i>	Atrato chu-like virus 5 (ACIV-5)
<i>Ollusvirus</i>	<i>Ollusvirus coleopteri</i>	Hüb 1 coleoptera virus 3 (HbCV-3)
	<i>Ollusvirus culvertonense</i>	Culverton virus (CVV)
	<i>Ollusvirus hanchengense</i>	Hánchéng leafhopper mivirus (HLMV)
	<i>Ollusvirus hymenopteri</i>	hymenopteran chu-related virus 123 (HCvV-123)
	<i>Ollusvirus insectii</i>	hymenopteran chu-related virus 126 (HCvV-126)
	<i>Ollusvirus scaldense</i>	Scaldis River bee virus (SRBV)
	<i>Ollusvirus shayangense</i>	Sh yáng fly virus 1 (SyFV-1)
	<i>Ollusvirus taiyuanense</i>	Tàiyuán leafhopper virus (TYLeV)
<b>Family <i>Chuviridae</i></b>		
<i>Boscovirus</i>	<i>Boscovirus hippoboscidae</i>	Wùhàn louse fly virus 7 (WhLFV-7)
	<i>Boscovirus hypoboscidae</i>	Wùhàn louse fly virus 6 (WhLFV-6)
<i>Chuvivirus</i>	<i>Chuvivirus brunnichi</i>	W nling crustacean virus 14 (WICV-14)
	<i>Chuvivirus canceris</i>	W nzh u crab virus 2 (WzCV-2)
<i>Culicidavirus</i>	<i>Culicidavirus culicidae</i>	Wùhàn mosquito virus 8 (WhMV-8)
	<i>Culicidavirus culicis</i>	Culex mosquito virus 5 (CIMV-5)
	<i>Culicidavirus injinense</i>	Injin River virus 1 (IJRV-1)
	<i>Culicidavirus quitolaense</i>	Culex mosquito virus 4 (CIMV-4)
<i>Demapteravirus</i>	<i>Demapteravirus demapteri</i>	demapteran chu-related virus 142 (DCvV-142)
<i>Doliavirus</i>	<i>Doliavirus culisetae</i>	Mos8Chu0 chuvirus (MoCV)
<i>Mivirus</i>	<i>Mivirus amblyommae</i>	lone star tick chuvirus 1 (LSTCV-1)
	<i>Mivirus boleense</i>	Bólé tick virus 3 (BTV-3)
	<i>Mivirus changpingense</i>	Ch ngping tick virus 2 (CpTV-2)
	<i>Mivirus dermatentoris</i>	Ch ngping tick virus 3 (CpTV-3)
		Tàchéng tick virus 5 (TcTV-5)

Genus	Species <sup>¶</sup>	Virus (Abbreviation) <sup>¶</sup>
	<i>Mivirus genovaense</i>	Genoa virus (GeV)
	<i>Mivirus karukeraense</i>	Karukera tick virus (KtV)
	<i>Mivirus rhipicephali</i>	brown dog tick mivirus 1 (BDTMV-1)
	<i>Mivirus suffolkense</i>	Suffolk virus (SFKV)
	<i>Mivirus wuhanense</i>	Wùhàn tick virus 2 (WhTV-2)
<i>Morsusvirus</i>	<i>Morsusvirus aigatis</i>	Tāchéng tick virus 4 (TcTV-4)
<i>Nigecruvirus</i>	<i>Nigecruvirus ixodes</i>	blacklegged tick chuvirus-2 (BITC-2)
<i>Odonatavirus</i>	<i>Odonatavirus draconis</i>	odonatan chu-related virus 137 (OCTV-137)
	<i>Odonatavirus fabricii</i>	Hùb ì odonate virus 11 (HboV-11)
	<i>Odonatavirus odontis</i>	odonatan chu-related virus 136 (OCTV-136)
<i>Pediavirus</i>	<i>Pediavirus citripedis</i>	B ìhài barnacle virus 9 (BhBV-9)
<i>Piscichuvirus</i>	<i>Piscichuvirus franki</i>	Herr Frank virus 1 (HFrV-1)
	<i>Piscichuvirus lycodontis</i>	Guāngd ìng red-banded snake chuvirus-like virus (GRSCV)
	<i>Piscichuvirus saxiaense</i>	S ì nxiá atyid shrimp virus 4 (SxASC-4)
	<i>Piscichuvirus wenlingense</i>	W ì nling fish chu-like virus (WFCLV)
<i>Pterovirus</i>	<i>Pterovirus chulinense</i>	hymenopteran chu-related virus OKIAV147 (HCV-147)
<i>Scarabeuvirus</i>	<i>Scarabeuvirus blattae</i>	Wùch ìng cockroach virus 3 (WcLFV-3)
	<i>Scarabeuvirus dentati</i>	Hùb ì chuvirus-like virus 3 (HbCLV-3)
	<i>Scarabeuvirus hubeiense</i>	Hùb ì chuvirus-like virus 1 (HbCLV-1)
	<i>Scarabeuvirus lampyris</i>	Lampyrìs noctiluca chuvirus-like virus 1 (LNCIV-1)
	<i>Scarabeuvirus lishuiense</i>	Lìshì spider virus 1 (LsSV-1)
<i>Taceavirus</i>	<i>Taceavirus wenlingense</i>	W ì nling crustacean virus 15 (WICV-15)
<b>Family Crepuscuviridae</b>		
<i>Aqualarivirus</i>	<i>Aqualarivirus sialis</i>	megalopteran chu-related virus 119 (MCrV-119)
<b>Family Myriaviridae</b>		
<i>Myriavirus</i>	<i>Myriavirus myriapedis</i>	Hùb ì myriapoda virus 8 (HbMV-8)
<b>Family Nataviridae</b>		
<i>Charybdivirus</i>	<i>Charybdivirus charybdis</i>	W ì nzh ù crab virus 3 (WzCV-3)

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

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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 4.

ICTV-accepted taxonomy of the order *Mononegavirales* (*Negarnaviricota: Haploviricotina: Monjiviricetes*) as of March 2022.

Genus	Species <sup>f</sup>	Virus (Abbreviation) <sup>g</sup> &
<b>Family <i>Artoviridae</i></b>		
<i>Hexartovirus</i>	<i>Hexartovirus cirripedis</i>	B ihai barnacle virus 8 (BhBV-8)
	<i>Hexartovirus lepeophtheiri</i>	Lepeophtheirus salmónis negative-stranded RNA virus 1 (LsNSRV-1)
<i>Peropuvirus</i>	<i>Peropuvirus behaiense</i>	B ihai rhabdo-like virus 1 (BhRLV-1)
	<i>Peropuvirus dentati</i>	Hüb i rhabdo-like virus 8 (HbRLV-8)
	<i>Peropuvirus hubeiense</i>	Hüb i rhabdo-like virus 6 (HbRLV-6)
	<i>Peropuvirus juli</i>	Hüb i rhabdo-like virus 5 (HbRLV-5)
	<i>Peropuvirus lignarii</i>	B ihai rhabdo-like virus 2 (BhRLV-2)
	<i>Peropuvirus melongenae</i>	Solanum melongena rhabdo-like virus (SmRLV)
	<i>Peropuvirus peromali</i>	Pteromalus puparum negative-strand RNA virus 1 (PpNSRV-1)
<b>Family <i>Bornaviridae</i></b>		
<i>Carbovirus</i>	<i>Carbovirus queenslandense</i>	jungle carpet python virus (JCPV)
	<i>Carbovirus tapeti</i>	southwest carpet python virus (SWCPV)
<i>Cultervirus</i>	<i>Cultervirus hemicultri</i>	Wühàn sharpbelly bornavirus (WhSBV)
<i>Orthobornavirus</i>	<i>Orthobornavirus alphapsittaciforme</i>	parrot bornavirus 1 (PaBV-1)
		parrot bornavirus 2 (PaBV-2)
		parrot bornavirus 3 (PaBV-3)
		parrot bornavirus 4 (PaBV-4)
		parrot bornavirus 7 (PaBV-7)
	<i>Orthobornavirus avisaquaticae</i>	aquatic bird bornavirus 1 (ABBY-1)
		aquatic bird bornavirus 2 (ABBY-2)
	<i>Orthobornavirus betapsittaciforme</i>	parrot bornavirus 5 (PaBV-5)
	<i>Orthobornavirus bormaense</i>	Borna disease virus 1 (BoDV-1)
		Borna disease virus 2 (BoDV-2)
	<i>Orthobornavirus caenophidiiae</i>	Caribbean watersnake bornavirus (CWBV)
		Mexican black-tailed rattlesnake bornavirus (MRBV)



Genus	Species <sup>¶</sup>	Virus (Abbreviation) <sup>&amp;</sup>
	<i>Orthobornavirus elapsoideae</i>	Loveridge's garter snake virus 1 (LGSV-1)
	<i>Orthobornavirus estrilididae</i>	estrilid finch bornavirus 1 (EsBV-1)
	<i>Orthobornavirus scituri</i>	variegated squirrel bornavirus 1 (VSBV-1)
	<i>Orthobornavirus serini</i>	canary bornavirus 1 (CnBV-1)
		canary bornavirus 2 (CnBV-2)
		canary bornavirus 3 (CnBV-3)
<b>Family Filoviridae</b>		
<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>Oblavirus</i>	<i>Oblavirus percae</i>	Oberland virus (OBLV)
<i>Striavirus</i>	<i>Xilang striavirus</i>	Xilang virus (XILV)
<i>Tapjovirus</i>	<i>Tapjovirus bothrops</i>	Tapajós virus (TAPV)
<i>Thamnovirus</i>	<i>Huangjiao thamnovirus</i>	Huangjiao virus (HUJV)
	<i>Thamnovirus kanderense</i>	Kander virus (KNDV)
	<i>Thamnovirus percae</i>	Fiwi virus (FIWV)
<b>Family Lispiviridae</b>		
<i>Anicalivirus</i>	<i>Anicalivirus hangzhouense</i>	Anisopteromalus calandrae negative-strand RNA virus 2 (AcNSRV-2)
<i>Anidravivirus</i>	<i>Anidravivirus hangzhouense</i>	Anisopteromalus calandrae negative-strand RNA virus 1 (AcNSRV-1)
<i>Arivirus</i>	<i>Arivirus arachnae</i>	Lishi spider virus 2 (LsSV-2)
<i>Copasivirus</i>	<i>Copasivirus ivindoense</i>	isoperlan arli-related virus OKIAV103 (IARV-103)
	<i>Copasivirus manlyvaleense</i>	Jimsystemes virus (JIMV)

Genus	Species <sup>¶</sup>	Virus (Abbreviation) <sup>&amp;</sup>
<i>Cybitervirus</i>	<i>Cybitervirus niederense</i>	coleopteran arli-related virus OKIAV107 (CARV-107)
<i>Damnavirus</i>	<i>Damnavirus dentatis</i>	Húb 1 odonate virus 10 (HbOV-10)
<i>Ganiavirus</i>	<i>Ganiavirus tachengense</i>	Táchéng tick virus 6 (TcTV-6)
<i>Leocovirus</i>	<i>Leocovirus coleopteris</i>	Húb 1 rhabdo-like virus 3 (HbRLV-3)
<i>Nematovirus</i>	<i>Nematovirus wuchangense</i>	Wúch ng romanomermis nematode virus 2 (WcRNV-2)
<i>Phelinovirus</i>	<i>Phelinovirus aphidis</i>	hymenopteran arli-related virus OKIAV99 (HARV-99)
<i>Rivapovirus</i>	<i>Rivapovirus aleyrodidæ</i>	hemipteran arli-related virus OKIAV94 (HARV-94)
<i>Saastriovirus</i>	<i>Saastriovirus gerridis</i>	S nxiá water strider virus 4 (SxWSV-4)
<i>Stylovirus</i>	<i>Stylovirus niederense</i>	strepsipteran arli-related virus OKIAV104 (SARV-104)
<i>Supelovirus</i>	<i>Supelovirus thailandense</i>	blatodean arli-related virus OKIAV102 (BARV-102)
<i>Synelinevirus</i>	<i>Synelinevirus bonnense</i>	hymenopteran arli-related virus OKIAV98 (HARV-98)
	<i>Synelinevirus paranaense</i>	Linepithema humile rhabdo-like virus 1 (LhuRLV-1)
<i>Usmuvirus</i>	<i>Usmuvirus newyorkense</i>	Amsterdam virus (AMSV)
<i>Xenophyvirus</i>	<i>Xenophyvirus mathesonense</i>	hemipteran arli-related virus OKIAV95 (HARV-95)
<b>Family Mymonaviridae</b>		
<i>Auricularimonavirus</i>	<i>Auricularimonavirus auriculariæ</i>	Auricularia heimer negative-stranded RNA virus 1 (AhnRSV-1)
	<i>Auricularimonavirus bondarzewiæ</i>	Bondarzewia berkeleyi negative-strand RNA virus 1 (BbNSRV-1)
<i>Botrytimonavirus</i>	<i>Botrytimonavirus alphabotrytidis</i>	Botrytis cinerea negative-stranded RNA virus 5 (BcNSRV-5)
		Sclerotinia sclerotiorum negative-stranded RNA virus 10 (SsNSRV-10)
	<i>Botrytimonavirus botrytidis</i>	Botrytis cinerea negative-stranded RNA virus 7 (BcNSRV-7)
		Sclerotinia sclerotiorum negative-stranded RNA virus 11 (SsNSRV-11)
	<i>Botrytimonavirus glycinis</i>	soybean leaf-associated negative-stranded RNA virus 3 (SLaNSRV-3)
	<i>Botrytimonavirus sclerotiniæ</i>	Sclerotinia sclerotiorum negative-stranded RNA virus 2 (SsNSRV-2)
		Sclerotinia sclerotiorum negative-stranded RNA virus 2-A (SsNSRV-2-A)
		Sclerotinia sclerotiorum negative-stranded RNA virus 4 (SsNSRV-4)
		Sclerotinia sclerotiorum negative-stranded RNA virus 4-A (SsNSRV-4-A)
<i>Hubramonavirus</i>	<i>Hubramonavirus hubeiense</i>	Húb 1 rhabdo-like virus 4 (HbRLV-4)
	<i>Hubramonavirus terræ</i>	H2BulkLitter1223 virus
<i>Lentimonavirus</i>	<i>Lentimonavirus lentiniæ</i>	Lentimula edodes negative-strand RNA virus 1 (LeNSRV-1)

Genus	Species <sup>¶</sup>	Virus (Abbreviation) <sup>&amp;</sup>
<i>Penicillium</i>	<i>Penicillium mononavus</i>	Penicillium adametzoides negative-stranded RNA virus 1 (PaNSRV-1)
	<i>Penicillium mononavus alphapenicillii</i>	Plasmopara viticola lesion associated mononegambi virus 1 (PvaMV-1)
	<i>Penicillium mononavus betapenicillii</i>	Penicillium glabrum negative-stranded RNA virus 1 (PgrV-1)
	<i>Penicillium mononavus betaplasmaparae</i>	Plasmopara viticola lesion associated mononegambi virus 2 (PvaMV-2)
	<i>Penicillium mononavus deltaplasmaparae</i>	Plasmopara viticola lesion associated mononegambi virus 4 (PvaMV-4)
	<i>Penicillium mononavus epsiloplasmaparae</i>	Plasmopara viticola lesion associated mononegambi virus 5 (PvaMV-5)
	<i>Penicillium mononavus etaplasmaparae</i>	Plasmopara viticola lesion associated mononegambi virus 6 (PvaMV-6)
	<i>Penicillium mononavus gammaplasmaparae</i>	Plasmopara viticola lesion associated mononegambi virus 9 (PvaMV-9)
	<i>Penicillium mononavus kilnbarnense</i>	Plasmopara viticola lesion associated mononegambi virus 3 (PvaMV-3)
	<i>Penicillium mononavus zetaplasmaparae</i>	Kiln Barn virus (KBV)
	<i>Plasmopara mononavus plasmoparae</i>	Plasmopara viticola lesion associated mononegambi virus 7 (PvaMV-7)
	<i>Phyllostemonavirus gysingense</i>	Plasmopara viticola lesion associated mononegambi virus 8 (PvaMV-8)
	<i>Phyllostemonavirus phyllostomae</i>	Gysing virus (GYSV)
	<i>Rhizomonavirus mali</i>	soybean leaf-associated negative-stranded RNA virus 4 (SLaNSRV-4)
	<i>Sclerotium mononavus alphabotrytis</i>	apple virus B (APPV-B)
		Botrytis cinerea negative-stranded RNA virus 3 (BcNSRV-3)
		Sclerotinia sclerotiorum negative-stranded RNA virus 9 (SsNSRV-9)
	<i>Sclerotium mononavus alphaclarietidae</i>	Sclerotinia homoeocarpa TSA contig 1 (ShTSA-1)
		Sclerotinia homoeocarpa TSA contig 2 (ShTSA-2)
	<i>Sclerotium mononavus alphaplasmaparae</i>	Plasmopara viticola lesion associated mymonavirus 1 (PvaMV-1)
	<i>Sclerotium mononavus alternariae</i>	Alternaria tenuissima negative-stranded RNA virus 1 (AInSRV-1)
	<i>Sclerotium mononavus betabotrytis</i>	Botrytis cinerea negative-stranded RNA virus 4 (BcNSRV-4)
	<i>Sclerotium mononavus betaclarietidae</i>	Sclerotinia homoeocarpa TSA contig 3 (ShTSA-3)
	<i>Sclerotium mononavus betaplasmaparae</i>	Plasmopara viticola lesion associated mononegambi virus 2 (PvaMV-2)
	<i>Sclerotium mononavus botrytis</i>	Botrytis cinerea mymonavirus 1 (BeMyV-1)
		Sclerotinia sclerotiorum negative-stranded RNA virus 7 (SsNSRV-7)
	<i>Sclerotium mononavus cryphonectriae</i>	Cryphonectria parasitica sclerotimonavirus 1 (CpSV-1)
	<i>Sclerotium mononavus fusarii</i>	Fusarium graminearum negative-stranded RNA virus 1 (FgNSRV-1)
		soybean leaf-associated negative-stranded RNA virus 1 (SLaNSRV-1)

Genus	Species <sup>¶</sup>	Virus (Abbreviation) <sup>Ⓔ</sup>
	<i>Sclerotimonavirus illinoisense</i>	soybean leaf-associated negative-stranded RNA virus 2 (SLaNSRV-2)
	<i>Sclerotimonavirus penicillii</i>	Penicillium caimsense negative-stranded RNA virus 1 (PeNSRV-1)
	<i>Sclerotimonavirus sclerotinae</i>	Sclerotinia sclerotiorum negative-stranded RNA virus 1 (SsNSRV-1)
		Sclerotinia sclerotiorum negative-stranded RNA virus 1-A (SsNSRV-1-A)
		Sclerotinia sclerotiorum negative-stranded RNA virus 3 (SsNSRV-3)
		Sclerotinia sclerotiorum negative-stranded RNA virus 3-A (SsNSRV-3-A)
	<i>Sclerotimonavirus terrae</i>	H4BulkLitter234 virus
<b>Family Nyamiviridae</b>		
<i>Berhavirus</i>	<i>Berhavirus berthaiense</i>	B ihăi rhabdo-like virus 4 (BhRLV-4)
	<i>Berhavirus radialis</i>	B ihăi rhabdo-like virus 5 (BhRLV-5)
	<i>Berhavirus sipunculi</i>	B ihăi rhabdo-like virus 3 (BhRLV-3)
<i>Crustavirus</i>	<i>Crustavirus berthaiense</i>	B ihăi rhabdo-like virus 6 (BhRLV-6)
	<i>Crustavirus wenlingense</i>	W nling crustacean virus 12 (W/ICV-12)
	<i>Crustavirus wenzhouense</i>	W nzh u crab virus 1 (WzCV-1)
<i>Formivirus</i>	<i>Formivirus angliae</i>	Formica fusca virus 1 (FfusV-1)
	<i>Formivirus chalybiti</i>	hymenopteran orino-related virus OKIAV87 (HORV-87)
	<i>Formivirus finnoniae</i>	Formica exsecta virus 4 (FexV-4)
	<i>Formivirus gorytis</i>	hymenopteran orino-related virus OKIAV85 (HORV-85)
	<i>Formivirus solenopsi</i>	Solenopsis invicta virus 15 (SoINV-15)
<i>Nyavirus</i>	<i>Nyavirus argatis</i>	Sekira virus (SEKRV)
	<i>Nyavirus midwayense</i>	Midway virus (MIDWV)
	<i>Nyavirus nyamaminense</i>	Nyamamini virus (NYMV)
	<i>Nyavirus sanjaintoense</i>	San Jacinto virus (SJCv)
	<i>Nyavirus sierranevadaense</i>	Sierra Nevada virus (SNVV)
	<i>Nyavirus somateriae</i>	Jeremy Point nyavirus (JPNV)
<i>Orinovirus</i>	<i>Orinovirus pasiphilae</i>	Orinoco virus (ONCV)
<i>Socyvirus</i>	<i>Socyvirus heteroderae</i>	soybean cyst nematode virus 1 (SbCNCV-1)
<i>Tapwovirus</i>	<i>Tapwovirus cesti</i>	W nzh u tapeworm virus 1 (WzTWV-1)
<b>Family Paramyxoviridae</b>		

Genus	Species <sup>f</sup>	Virus (Abbreviation) <sup>g</sup>	
Subfamily <i>Avulavirinae</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)	
	<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>Avian metaavulavirus 22</i>	avian paramyxovirus 22 (APMV-22)	
	<i>Orthoavulavirus</i>	<i>Avian orthoavulavirus 1</i>	avian paramyxovirus 1 (APMV-1) <sup>f</sup>
		<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>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>	W nling triplecross lizardfish paramyxovirus (WTL.PV)	
Subfamily <i>Orthoparamyxovirinae</i>			
<i>Aquaparamyxovirus</i>	<i>Oncorhynchus aquaparamyxovirus</i>	Pacific salmon paramyxovirus (PSPV)	
<i>Ferlavirus</i>	<i>Salmo aquaparamyxovirus</i>	Atlantic salmon paramyxovirus (AsaPV)	
	<i>Reptilian ferlavirus</i>	fer-de-lance virus (FDLV)	

Genus	Species <sup>¶</sup>	Virus (Abbreviation) <sup>&amp;</sup>
<i>Hemipavirus</i>	<i>Cedar hemipavirus</i>	Cedar virus (CedV)
	<i>Ghanaian bat hemipavirus</i>	Ghana virus (GhV)
	<i>Hendra hemipavirus</i>	Hendra virus (HeV)
	<i>Mojiang hemipavirus</i>	Moji ng virus (MojV)
	<i>Nipah hemipavirus</i>	Nipah virus (NiV)
<i>Jeilongvirus</i>	<i>Beilong jeilongvirus</i>	Beilong virus (BeV)
	<i>Jeilongvirus anhuinense</i>	Miniopiterus schreibersii paramyxovirus (MisPV)
	<i>Jeilongvirus apodemii</i>	rodent paramyxovirus (RoPV)
	<i>Jeilongvirus comorosense</i>	bat paramyxovirus 16797 (BatPV-1)
	<i>Jeilongvirus erinacei</i>	belerina virus (BeV)
	<i>Jeilongvirus felis</i>	feline paramyxovirus (FPaV)
	<i>Jeilongvirus madagascarensis</i>	bat paramyxovirus 17770 (BatPV-2)
	<i>Jeilongvirus murinae</i>	bat paramyxovirus (BatPV-3)
	<i>Jeilongvirus rungweense</i>	ruloma virus (RuIV)
	<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>Miniopiteran jeilongvirus</i>	Shaan virus (Sha V)
	<i>Myodes jeilongvirus</i>	Pohorje Myodes paramyxovirus 1 (PMPV-1)
	<i>Tailan jeilongvirus</i>	Tailam virus (Tai V)
<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)

Genus	Species <sup>¶</sup>	Virus (Abbreviation) <sup>Ⓔ</sup>
	<i>Nariva narivovirus</i>	Nariva virus (NarV)
	<i>Tupaia narivovirus</i>	Tupaia paramyxovirus (TupV)
<i>Respirovirus</i>	<i>Bovine respirovirus 3</i>	bovine parainfluenza virus 3 (BPiV-3)
	<i>Caprine respirovirus 3</i>	caprine parainfluenzavirus 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>Murine respirovirus</i>	Sendai virus (SeV)
	<i>Porcine respirovirus 1</i>	porcine parainfluenza virus 1 (PPiV-1)
	<i>Squirrel respirovirus</i>	giant squirrel virus (GSqV)
<i>Salemvirus</i>	<i>Salem salamivirus</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)
	<i>Mammalian orthorubulavirus 5</i>	human parainfluenza virus 4b (HPiV-4b)
	<i>Mammalian orthorubulavirus 6</i>	parainfluenza virus 5 (PiV-5)
	<i>Mapuera orthorubulavirus</i>	Alston virus (AlsV)
	<i>Mumps orthorubulavirus</i>	Mapuera virus (MapV)
	<i>Porcine orthorubulavirus</i>	mumps virus (MuV)
	<i>Simian orthorubulavirus 1</i>	La Piedad Michoacán Mexico virus (LPMV)
<i>Pararubulavirus</i>	<i>Achimota pararubulavirus 1</i>	simian virus 41 (SV-41)
	<i>Achimota pararubulavirus 2</i>	Achimota virus 1 (AchPV-1)
	<i>Hervey pararubulavirus</i>	Achimota virus 2 (AchPV-2)
	<i>Menangle pararubulavirus</i>	Hervey virus (HerV)
	<i>Sosuga pararubulavirus</i>	Menangle virus (MenPV)
	<i>Teviot pararubulavirus</i>	Sosuga virus (SOSV)
	<i>Tioman pararubulavirus</i>	Teviot virus (TevPV)
	<i>Tuhoko pararubulavirus 1</i>	Tioman virus (TioPV)
	<i>Tuhoko pararubulavirus 2</i>	Tuhoko virus 1 (ThkPV-1)
		Tuhoko virus 2 (ThkPV-2)

Genus	Species <sup>f</sup>	Virus (Abbreviation) <sup>g</sup>
	<i>Tuboko paratubulavirus 3</i>	Tuboko virus 3 (ThkPV-3)
Unassigned (to subfamilies)		
<i>Cynoglossus</i>	<i>Cynoglossus cynoglossusvirus</i>	W nling tonguesole paramyxovirus (WTSPV)
<i>Hoplichthys</i>	<i>Hoplichthys hoplichthysvirus</i>	W nling hoplichthys paramyxovirus (WHPV)
<i>Scoliodon</i>	<i>Scoliodon scoliodonvirus</i>	W nzh u pacific spadenose shark paramyxovirus (WPSSPV)
<b>Family Pneumoviridae</b>		
<i>Metapneumovirus</i>	<i>Avian metapneumovirus</i>	avian metapneumovirus (AMPV)
	<i>Human metapneumovirus</i>	human metapneumovirus (HMPV)
<i>Orthopneumovirus</i>	<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)
<b>Family Rhabdoviridae</b>		
Subfamily <i>Alpharhabdovirinae</i>		
<i>Almendravirus</i>	<i>Almendravirus almenbras</i>	Puerto Almenbras virus (PTAMV)
	<i>Arboretumvirus arboretum</i>	Arboretum virus (ABTV)
	<i>Almendravirus balsa</i>	Balsa virus (BALV)
	<i>Almendravirus chico</i>	Rio Chico virus (RCHV)
	<i>Almendravirus coobay</i>	Coot Bay virus (CBV)
	<i>Almendravirus menghai</i>	Menghai virus (MIRV)
<i>Alphanemithavirus</i>	<i>Alphanemithavirus xingshan</i>	Xingshan nematode virus 4 (XsNV-4)
	<i>Alphanemithavirus xinzhou</i>	Xinzhou nematode virus 4 (XzNV-4)
<i>Alphapapthavirus</i>	<i>Alphapapthavirus hubei</i>	Hubel lepidoptera virus 2 (HbLV-2)
	<i>Alphapapthavirus parage</i>	Parage aegeria rhabdovirus (PAeRV)
<i>Alpharicinivirus</i>	<i>Alpharicinivirus blanchseco</i>	Blanchseco virus (BCOV)
	<i>Alpharicinivirus bole</i>	Bole tick virus 2 (BITV-2)
	<i>Alpharicinivirus wuhan</i>	Wuhan tick virus 1 (WhTV-1)
<i>Amplivivirus</i>	<i>Amplivivirus cinereus</i>	frog lysa-like virus 1 (FLLV-1)
<i>Aruravirus</i>	<i>Aruravirus aruac</i>	Aruac virus (ARUV)
	<i>Aruravirus inhangapi</i>	Inhangapi virus (INHV)



Genus	Species <sup>f</sup>	Virus (Abbreviation) <sup>g</sup>
	<i>Aruthavirus santabarbara</i>	Santa Barbara virus (SBAV)
	<i>Aruthavirus xiburena</i>	Xiburena virus (XIBV)
<i>Barhavirus</i>	<i>Barhavirus bahia</i>	Bahia Grande virus (BGV)
	<i>Barhavirus muir</i>	Harlingen virus (HARV)
	<i>Calighavirus caligus</i>	Muir Springs virus (MSV)
<i>Calighavirus</i>	<i>Calighavirus lepeophtheirus</i>	Caligus rogercresseyi rhabdovirus (CRogRV)
	<i>Calighavirus salmonlouse</i>	Lepeophtheirus salmonis rhabdovirus 127 (LSaIRV-127)
	<i>Cetathavirus laganorhynchus</i>	Lepeophtheirus salmonis rhabdovirus 9 (LSaIRV-9)
<i>Cetathavirus</i>	<i>Cetathavirus phocoena</i>	dolphin rhabdovirus (DRV)
	<i>Curiovirus curionopolis</i>	harbour porpoise rhabdovirus (HPRV)
<i>Curiovirus</i>	<i>Curiovirus iriri</i>	Curionopolis virus (CURV)
	<i>Curiovirus itacatunas</i>	Irii virus (IRIV)
	<i>Curiovirus rochambeau</i>	Itacatunas virus (ITAV)
	<i>Ephemerovirus adelaide</i>	Rochambeau virus (RBUV)
<i>Ephemerovirus</i>	<i>Ephemerovirus berrimah</i>	Adelaide River virus (ARV)
	<i>Ephemerovirus febris</i>	Berrimah virus (BRMV)
	<i>Ephemerovirus hayes</i>	bovine ephemeral fever virus (BEFV)
	<i>Ephemerovirus kent</i>	Hayes Yard virus (HYV)
	<i>Ephemerovirus kimberley</i>	New Kent County virus (NKCV)
	<i>Ephemerovirus koolpinyah</i>	Kimberley virus (KIMV)
	<i>Ephemerovirus kotonkan</i>	Malakal virus (MALV)
	<i>Ephemerovirus obodhiang</i>	Koolpinyah virus (KOOLV)
	<i>Ephemerovirus puchong</i>	kotonkan virus (KOTV)
	<i>Ephemerovirus yata</i>	Obodhiang virus (OBOV)
	<i>Hapavirus bangoran</i>	Puchong virus (PUCV)
<i>Hapavirus</i>	<i>Hapavirus flanders</i>	Yata virus (YATV)
	<i>Hapavirus graylodge</i>	Bangoran virus (BGNV)
		Flanders virus (FLAV)
		Gray Lodge virus (GLOV)

Genus	Species <sup>f</sup>	Virus (Abbreviation) <sup>g</sup>
	<i>Hapavirus hartpark</i>	Hart Park virus (HPV)
	<i>Hapavirus holmes</i>	Holmes Jungle virus (HOJV)
	<i>Hapavirus joinjakaka</i>	Joinjakaka virus (JOIV)
	<i>Hapavirus kamese</i>	Kamese virus (KAMV)
	<i>Hapavirus lajoya</i>	La Joya virus (LJV)
	<i>Hapavirus landjia</i>	Landjia virus (LANV = LJAV)
	<i>Hapavirus manitoba</i>	Manitoba virus (MANV = MNTBV)
	<i>Hapavirus marco</i>	Marco virus (MCOV)
	<i>Hapavirus mosqueiro</i>	Mosqueiro virus (MQOV)
	<i>Hapavirus mossuril</i>	Mossuril virus (MOSV)
	<i>Hapavirus ngangang</i>	Ngangang virus (NGAV)
	<i>Hapavirus ord</i>	Ord River virus (ORV)
	<i>Hapavirus parry</i>	Parry Creek virus (PCV)
	<i>Hapavirus porton</i>	Porton virus (PORV)
	<i>Hapavirus wongabel</i>	Wongabel virus (WONV)
<i>Ledantevirus</i>	<i>Ledantevirus barur</i>	Barur virus (BARV)
	<i>Ledantevirus bughendera</i>	Bughendera virus (BUGV)
	<i>Ledantevirus elgon</i>	Mount Elgon bat virus (MEBV)
	<i>Ledantevirus fikirini</i>	Fikirini virus (FKRV)
	<i>Ledantevirus fukuoka</i>	Fukuoka virus (FUKV)
	<i>Ledantevirus kanyawara</i>	Kanyawara virus (KYAV)
	<i>Ledantevirus kern</i>	Kern Canyon virus (KCV)
	<i>Ledantevirus keuraliba</i>	Keuraliba virus (KEUV)
	<i>Ledantevirus kolente</i>	Kolente virus (KOLEV)
	<i>Ledantevirus kumasi</i>	Kumasi rhabdovirus (KRV)
	<i>Ledantevirus ledantec</i>	Le Dantec virus (LDV)
	<i>Ledantevirus nishimuro</i>	Nishimuro virus (NISV)
	<i>Ledantevirus nkolbisson</i>	Nkolbisson virus (NKOV)
	<i>Ledantevirus oita</i>	Oita virus (OITAV)

Genus	Species <sup>f</sup>	Virus (Abbreviation) <sup>g</sup>
	<i>Ledanteievirus taiyi</i>	Taiyi bat virus (TYBV)
	<i>Ledanteievirus vaprio</i>	Vaprio virus (VAPV)
	<i>Ledanteievirus wuhan</i>	Wuhan louse fly virus 5 (WLFV-5)
	<i>Ledanteievirus yongjia</i>	Yongjia tick virus 2 (YTV-2)
<i>Lostrhavirus</i>	<i>Lostrhavirus hyalomma</i>	Xinjiang tick rhabdovirus (XJTRV)
	<i>Lostrhavirus lonestar</i>	Ione star tick rhabdovirus (LJTRV)
<i>Lyssavirus</i>	<i>Lyssavirus aravan</i>	Aravan virus (ARAV)
	<i>Lyssavirus australis</i>	Australian bat lyssavirus (ABLV)
	<i>Lyssavirus bokeloh</i>	Bokeloh bat lyssavirus (BBLV)
	<i>Lyssavirus caucasicus</i>	West Caucasian bat virus (WCBV)
	<i>Lyssavirus duvenhage</i>	Duvenhage virus (DUVV)
	<i>Lyssavirus formosa</i>	Taiwan bat lyssavirus (TWBLV)
	<i>Lyssavirus gannoruwa</i>	Gannoruwa bat lyssavirus (GBLV)
	<i>Lyssavirus hamburg</i>	European bat lyssavirus 1 (EBLV-1)
	<i>Lyssavirus helsinki</i>	European bat lyssavirus 2 (EBLV-2)
	<i>Lyssavirus ikoma</i>	Ikoma lyssavirus (IKOV)
	<i>Lyssavirus irkut</i>	Irkut virus (IRKV)
	<i>Lyssavirus khujand</i>	Khujand virus (KHUV)
	<i>Lyssavirus lagos</i>	Lagos bat virus (LBV)
	<i>Lyssavirus lleida</i>	Lleida bat lyssavirus (LLEBV)
	<i>Lyssavirus mokola</i>	Mokola virus (MOKV)
	<i>Lyssavirus rabies</i>	rabies virus (RABV)
	<i>Lyssavirus shimoni</i>	Shimoni bat virus (SHIBV)
<i>Merhavirus</i>	<i>Merhavirus merida</i>	Merida virus (MERDV)
	<i>Merhavirus tritaeniorhynchus</i>	Culex tritaeniorhynchus rhabdovirus (CTRV)
<i>Mousrhavirus</i>	<i>Mousrhavirus moussa</i>	Moussa virus (MOUV)
<i>Ohlstrhavirus</i>	<i>Ohlstrhavirus angeles</i>	Culex rhabdo-like virus Los Angeles (CRLVLA)
	<i>Ohlstrhavirus culex</i>	Culex rhabdo-like virus (CRLV)
	<i>Ohlstrhavirus lobeira</i>	Lobeira virus (LOBV)

Genus	Species <sup>¶</sup>	Virus (Abbreviation) <sup>§</sup>
	<i>Ohlstrhavivirus northcreek</i>	North Creek virus (NORCV)
	<i>Ohlstrhavivirus ohlsdorf</i>	Ohlsdorf virus (OHLDV)
	<i>Ohlstrhavivirus pseudovishnui</i>	Culex pseudovishnui rhabdo-like virus (CpRLV)
	<i>Ohlstrhavivirus riverside</i>	Riverside virus (RISV)
	<i>Ohlstrhavivirus tongilchon</i>	Tongilchon virus 1 (TCHV-1)
<i>Perhabdovirus</i>	<i>Perhabdovirus anguilla</i>	eel virus American (EVA)
		eel virus European X (EVEX)
	<i>Perhabdovirus leman</i>	Leman virus (LeRV)
	<i>Perhabdovirus perca</i>	perch rhabdovirus (PRV)
	<i>Perhabdovirus trutta</i>	lake trout rhabdovirus (LTRV)
<i>Replyivirus</i>	<i>Replyivirus allogus</i>	anole lyssa-like virus 1 (ALLV-1)
<i>Sawgrhavivirus</i>	<i>Sawgrhavivirus connecticut</i>	Connecticut virus (CNTV)
	<i>Sawgrhavivirus longisland</i>	Long Island tick rhabdovirus (LITRV)
	<i>Sawgrhavivirus minto</i>	New Minto virus (NMV)
	<i>Sawgrhavivirus sawgrass</i>	Sawgrass virus (SAWV)
<i>Scophrhavirus</i>	<i>Scophrhavirus chanodychthys</i>	Wuhan redfin culter dimarhabdovirus (WhRFCRV)
	<i>Scophrhavirus maximus</i>	Scophthalmus maximus rhabdovirus (SMRV)
<i>Sigmavirus</i>	<i>Sigmavirus affinis</i>	Drosophila affinis sigmavirus (DAffSV)
	<i>Sigmavirus ananassae</i>	Drosophila ananassae sigmavirus (DAAnaSV)
	<i>Sigmavirus capitata</i>	Ceratitis capitata sigmavirus (CCapSV)
	<i>Sigmavirus domestica</i>	Wuhan fly virus 2 (WhFV-2)
	<i>Sigmavirus hippoboscoid</i>	Wuhan louse fly virus 9 (WhLFV-9)
	<i>Sigmavirus hubei</i>	Hubei diptera virus 9 (HbDV-9)
	<i>Sigmavirus immigrans</i>	Drosophila immigrans sigmavirus (DIImmSV)
	<i>Sigmavirus lousefly</i>	Wuhan louse fly virus 10 (WhLFV-10)
	<i>Sigmavirus melanogaster</i>	Drosophila melanogaster sigmavirus (DMelSV)
	<i>Sigmavirus muscina</i>	Muscina stabulans sigmavirus (MStabSV)
	<i>Sigmavirus myga</i>	Hubei diptera virus 10 (HbDV-10)
	<i>Sigmavirus obscura</i>	Drosophila obscura sigmavirus (DObsSV)

Genus	Species <sup>¶</sup>	Virus (Abbreviation) <sup>Ⓔ</sup>
	<i>Sigmavirus shayang</i>	Shayang fly virus 2 (SyFV-1)
	<i>Sigmavirus sturtevanti</i>	Drosophila sturtevanti sigmavirus (DS <sub>Stu</sub> SV)
	<i>Sigmavirus tristis</i>	Drosophila tristis sigmavirus (DT <sub>Tri</sub> SV)
	<i>Sigmavirus wuhan</i>	Wuhan house fly virus 1 (WhHFV-1)
	<i>Sigmavirus ying</i>	Hubei dimarhabdovirus 1 (HbDDR-1)
<i>Sinipervirus</i>	<i>Sinipervirus chuatsi</i>	Chinese rice-field eel rhabdovirus (C <sub>ERY</sub> )
		hybrid snakehead rhabdovirus (HSHRV)
		Siniperca chuatsi rhabdovirus (SCRV)
		Micropterus salmoides rhabdovirus (MSRV)
		eelpout rhabdovirus (EPRV)
<i>Sprivirus</i>	<i>Sinipervirus zoarces</i>	spring viremia of carp virus (SVCV)
	<i>Sprivirus cyprinus</i>	grass carp rhabdovirus (GrCRV)
	<i>Sprivirus esox</i>	pike fry rhabdovirus (PFRV)
		tench rhabdovirus (TenRV)
<i>Stripavirus</i>	<i>Stripavirus alpiwar</i>	Alpiwar virus (ALMV)
	<i>Stripavirus chaco</i>	Chaco virus (CHOV)
	<i>Stripavirus charleville</i>	Charleville virus (CHVV)
	<i>Stripavirus cuiaba</i>	Cuiaba virus (CUIV)
	<i>Stripavirus hainan</i>	Hainan black-spectacled toad rhabdovirus (HnBSTRV)
	<i>Stripavirus madureira</i>	Sena Madureira virus (SMV)
	<i>Stripavirus niakha</i>	Niakha virus (NIAV)
	<i>Stripavirus stripur</i>	Stripur virus (SRIV)
<i>Sunthavirus</i>	<i>Sunthavirus alexandria</i>	Burg el Arab virus (BEAV)
	<i>Sunthavirus bimbo</i>	Bimbo virus (BBOV)
	<i>Sunthavirus boteke</i>	Boteke virus (BOTV)
	<i>Sunthavirus dillard</i>	Dillard's Draw virus (DDRV)
	<i>Sunthavirus garba</i>	Garba virus (GARV)
	<i>Sunthavirus harrison</i>	Harrison Dam virus (HARDV)
	<i>Sunthavirus kolongo</i>	Kolongo virus (KOLV)

Genus	Species <sup>f</sup>	Virus (Abbreviation) <sup>g</sup>
	<i>Sunthavirus kwatta</i>	Kwatta virus (KWAV)
	<i>Sunthavirus mataiya</i>	Matiya virus (MTYV)
	<i>Sunthavirus nasoule</i>	Nasoule virus (NASV)
	<i>Sunthavirus oakvale</i>	Oak Vale virus (OVV)
	<i>Sunthavirus ouango</i>	Ouango virus (OUAV)
	<i>Sunthavirus sancjimba</i>	Sandjimba virus (SJAV)
	<i>Sunthavirus sunguru</i>	Sunguru virus (SUNV)
	<i>Sunthavirus walkabout</i>	Walkabout Creek virus (WACV)
<i>Tibrovirus</i>	<i>Tibrovirus alphaekpoma</i>	Ekpoma virus 1 (EKV-1)
	<i>Tibrovirus beatrice</i>	Beatrice Hill virus (BHV)
	<i>Tibrovirus betaekpoma</i>	Ekpoma virus 2 (EKV-2)
	<i>Tibrovirus coastal</i>	Coastal Plains virus (CPV)
	<i>Tibrovirus congo</i>	Bas-Congo virus (BASV)
	<i>Tibrovirus sweetwater</i>	Sweetwater Branch virus (SWBV)
	<i>Tibrovirus tibrogagan</i>	Bivens Arm virus (BAV)
		Tibrogagan virus (TIBV)
<i>Tupavirus</i>	<i>Tupavirus durham</i>	Durham virus (DURV)
	<i>Tupavirus klamath</i>	Klamath virus (KLAV)
	<i>Tupavirus tupaia</i>	tupaia rhabdovirus (TUPV)
<i>Vesiculovirus</i>	<i>Vesiculovirus alagoas</i>	vesicular stomatitis Alagoas virus (VSAV)
	<i>Vesiculovirus bogdanovac</i>	Yug Bogdanovac virus (YBV)
	<i>Vesiculovirus carajas</i>	Carajás virus (CJSV)
	<i>Vesiculovirus chandipura</i>	Chandipura virus (CHPV)
	<i>Vesiculovirus cocai</i>	Cocal virus (COCV)
	<i>Vesiculovirus eptesicus</i>	American bat vesiculovirus (ABVV)
	<i>Vesiculovirus indiana</i>	vesicular stomatitis Indiana virus (VSVI)
	<i>Vesiculovirus isfahan</i>	Isfahan virus (ISFV)
	<i>Vesiculovirus jurona</i>	Jurona virus (JURV)
	<i>Vesiculovirus malpais</i>	Malpais Spring virus (MSPV)

Genus	Species <sup>f</sup>	Virus (Abbreviation) <sup>g</sup>
	<i>Vesiculovirus maraba</i>	Maraba virus (MARAV)
	<i>Vesiculovirus mediterranean</i>	Mediterranean bat virus (MBV)
	<i>Vesiculovirus morreton</i>	Morreton virus (MORV)
	<i>Vesiculovirus newjersey</i>	vesicular stomatitis New Jersey virus (VSNJV)
	<i>Vesiculovirus perinet</i>	Perinet virus (PERV)
	<i>Vesiculovirus pity</i>	Pity virus (PIRYV)
	<i>Vesiculovirus radi</i>	Radi virus (RADV)
	<i>Vesiculovirus rhinolophus</i>	Jinghong bat virus (JhBV)
		Qiongzong bat virus (QZBV)
	<i>Vesiculovirus yinshui</i>	Yinshui bat virus (YSBV)
<i>Zarhavirus</i>	<i>Zarhavirus zabedan</i>	Zabedan rhabdovirus (ZARV)
Subfamily <i>Betarhabdovirinae</i>		
<i>Alphanucleorhabdovirus</i>	<i>Alphanucleorhabdovirus colocasiae</i>	taro vein chlorosis virus (TaVCV)
	<i>Alphanucleorhabdovirus constrictae</i>	constricta yellow dwarf virus (CYDV)
	<i>Alphanucleorhabdovirus joa</i>	joa yellow blotch associated virus (JYBaV)
	<i>Alphanucleorhabdovirus maydis</i>	maize mosaic virus (MMV)
	<i>Alphanucleorhabdovirus melongenae</i>	eggplant mottled dwarf virus (EMDV)
	<i>Alphanucleorhabdovirus morogoromaydis</i>	Morogoro maize-associated virus (MMaV)
	<i>Alphanucleorhabdovirus oryzae</i>	rice transitory yellowing virus (RTYV)
		rice yellow stunt virus (RYSV)
	<i>Alphanucleorhabdovirus physostegiae</i>	Physostegia chlorotic mottle virus (PhCMoV)
	<i>Alphanucleorhabdovirus pruni</i>	peach virus 1 (PeV1)
	<i>Alphanucleorhabdovirus tritici</i>	wheat yellow striate virus (WYSV)
	<i>Alphanucleorhabdovirus tuberosum</i>	potato yellow dwarf virus (PYDV)
	<i>Alphanucleorhabdovirus zeiranense</i>	maize Iranian mosaic virus (MIMV)
<i>Betanucleorhabdovirus</i>	<i>Betanucleorhabdovirus bacopae</i>	Bacopa monnieri virus 2 (BmV-2)
	<i>Betanucleorhabdovirus cardamomi</i>	cardamom vein clearing virus (CdVCV)

Genus	Species <sup>¶</sup>	Virus (Abbreviation) <sup>&amp;</sup>
	<i>Betanucleorhabdovirus daturae</i>	datura yellow vein virus (DYVV)
	<i>Betanucleorhabdovirus loti</i>	birds-foot trefoil-associated virus (BFTV)
	<i>Betanucleorhabdovirus mali</i>	apple rootstock virus A (ApRVA)
	<i>Betanucleorhabdovirus medicaginis</i>	alfalfa-associated nucleorhabdovirus (AaNv)
	<i>Betanucleorhabdovirus retesonchi</i>	Sonchus yellow net virus (SYNV)
	<i>Betanucleorhabdovirus ribes</i>	blackcurrant-associated rhabdovirus (BCaRV)
	<i>Betanucleorhabdovirus venasonchi</i>	sowthistle yellow vein virus (SYVV)
	<i>Betanucleorhabdovirus zanthoxyli</i>	Zhuye pepper nucleorhabdovirus (ZPNRV)
<i>Cytorhabdovirus</i>	<i>Cytorhabdovirus alphatrifolii</i>	Trifolium pratense virus A (TpVA)
	<i>Cytorhabdovirus alphawuhaniinsectum</i>	Wuhan insect virus 4 (WuIV-4)
	<i>Cytorhabdovirus bacopae</i>	Bacopa monnieri virus 1 (BmV-1)
	<i>Cytorhabdovirus betatrifolii</i>	Trifolium pratense virus B (TpVB)
	<i>Cytorhabdovirus betawuhaniinsectum</i>	Wuhan insect virus 5 (WuIV-5)
	<i>Cytorhabdovirus brassicae</i>	broccoli necrotic yellows virus (BNYV)
	<i>Cytorhabdovirus brassicicolae</i>	cabbage cytorhabdovirus 1 (CCyV-1)
	<i>Cytorhabdovirus broussonetiae</i>	paper mulberry mosaic associated virus (PMuMaV)
	<i>Cytorhabdovirus caricae</i>	papaya virus E (PpVE)
	<i>Cytorhabdovirus chrysanthemii</i>	chrysanthemum yellow dwarf associated virus (CYDaV)
	<i>Cytorhabdovirus colocasiae</i>	Colocasia bobone disease-associated virus (CBDaV)
	<i>Cytorhabdovirus cucurbitae</i>	cucurbit cytorhabdovirus 1 (CuCV-1)
	<i>Cytorhabdovirus festucae</i>	Festuca leaf streak virus (FLSV)
	<i>Cytorhabdovirus flaviyerbamate</i>	yerba mate chlorosis-associated virus (YmCaV)
	<i>Cytorhabdovirus fragariae</i>	strawberry-associated virus 1 (SaV-1)
		strawberry virus 1 (StrV-1)
	<i>Cytorhabdovirus fragarianugosus</i>	strawberry crinkle virus (SCV)
	<i>Cytorhabdovirus gammawuhaniinsectum</i>	Wuhan insect virus 6 (WuIV-6)
	<i>Cytorhabdovirus gramineae</i>	northern cereal mosaic virus (NCMV)
	<i>Cytorhabdovirus hordei</i>	barley yellow striate mosaic virus (BYSMV)



Genus	Species <sup>¶</sup>	Virus (Abbreviation) <sup>&amp;</sup>
	<i>Cytorhabdovirus lactucanaculante</i>	lettuce yellow mottle virus (LYMoV)
	<i>Cytorhabdovirus lactucanecante</i>	lettuce necrotic yellows virus (LNYV)
	<i>Cytorhabdovirus lycopersici</i>	tomato yellow mottle-associated virus (TYMaV)
	<i>Cytorhabdovirus maydis</i>	maize-associated cytorhabdovirus (MaCV)
	<i>Cytorhabdovirus maysflavoviridis</i>	maize yellow striate virus (MYSV)
	<i>Cytorhabdovirus medicaginis</i>	alfalfa dwarf virus (ADV)
	<i>Cytorhabdovirus oryzae</i>	rice stripe mosaic virus (RSMV)
	<i>Cytorhabdovirus persimmon</i>	persimmon virus A (PeVA)
	<i>Cytorhabdovirus rosae</i>	rose virus R (RVR)
	<i>Cytorhabdovirus rubus</i>	raspberry vein chlorosis virus (RVCV)
	<i>Cytorhabdovirus sonchi</i>	Sonchus virus (SonV)
	<i>Cytorhabdovirus trichosanthei</i>	Trichosanthes associated rhabdovirus 1 (TrARV1)
	<i>Cytorhabdovirus tritici</i>	wheat American striate mosaic virus (WASMV)
	<i>Cytorhabdovirus yerbanate</i>	yerba mate virus A (YmVA)
<i>Dichorhavirus</i>	<i>Dichorhavirus citri</i>	citrus chlorotic spot virus (CiCSV)
	<i>Dichorhavirus clerodendri</i>	clerodendrum chlorotic spot virus (CiCSV)
	<i>Dichorhavirus coffeae</i>	coffee ringspot virus (CoRSV)
	<i>Dichorhavirus leprosis</i>	citrus leprosis virus N (CLV-N)
	<i>Dichorhavirus orchidaceae</i>	orchid fleck virus (OFV)
<i>Gammanucleorhabdovirus</i>	<i>Gammanucleorhabdovirus maydis</i>	maize fine streak virus (MFSV)
<i>Varicosavirus</i>	<i>Varicosavirus alopecuri</i>	Alopecurus myosuroides varicosavirus 1 (AMVV-1)
	<i>Varicosavirus lactucae</i>	lettuce big-vein associated virus (LBVaV)
	<i>Varicosavirus trifolii</i>	red clover associated varicosavirus (RCaVV)
Subfamily <i>Gammarhabdovirinae</i>		
<i>Novirhabdovirus</i>	<i>Novirhabdovirus hirame</i>	hirame rhabdovirus (HIRRV = HIRV)
	<i>Novirhabdovirus piscine</i>	viral hemorrhagic septicemia virus (VHSV)
	<i>Novirhabdovirus salmonid</i>	infectious hematopoietic necrosis virus (IHNV)
	<i>Novirhabdovirus snakehead</i>	snakehead rhabdovirus (SHRV)

Genus	Species <sup>¶</sup>	Virus (Abbreviation) <sup>&amp;</sup>
Unassigned (to subfamilies)		
<i>Alphacrusthavirus</i>	<i>Alphacrusthavirus wenling</i>	Wenling crustacean virus 10 (WjCV-10)
	<i>Alphacrusthavirus zhejiang</i>	Wenling crustacean virus 11 (WjCV-11)
<i>Alphadrossthavirus</i>	<i>Alphadrossthavirus hubei</i>	Wuhan house fly virus 2 (WhHFV-2)
	<i>Alphadrossthavirus shayang</i>	Shayang fly virus 3 (SyFV-3)
<i>Alphahymnithavirus</i>	<i>Alphahymnithavirus cinereus</i>	hymenopteran rhabdo-related virus 38 (HyRRV-38)
	<i>Alphahymnithavirus hirtum</i>	hymenopteran rhabdo-related virus 109 (HyRRV-109)
	<i>Alphahymnithavirus neglectus</i>	<i>Lasius neglectus</i> virus 2 (LnegV-2)
	<i>Alphahymnithavirus radians</i>	hymenopteran rhabdo-related virus 46 (HyRRV-46)
<i>Betahymnithavirus</i>	<i>Betahymnithavirus austriaca</i>	hymenopteran rhabdo-related virus 23 (HyRRV-23)
	<i>Betahymnithavirus heterodontonyx</i>	hymenopteran rhabdo-related virus 24 (HyRRV-24)
<i>Betaneimrthavirus</i>	<i>Betaneimrthavirus hubei</i>	Hubei rhabdo-like virus 9 (HbRLV-9)
	<i>Betaneimrthavirus shayang</i>	Shayang ascariid galli virus 2 (SyAGV-2)
<i>Betapaprhavirus</i>	<i>Betapaprhavirus frugiperda</i>	Spodoptera frugiperda rhabdovirus (SfruRV)
	<i>Betapaprhavirus sylvina</i>	lepidopteran rhabdo-related virus 34 (LeRRV-34)
<i>Betarcinrthavirus</i>	<i>Betarcinrthavirus chinmay</i>	Chimay rhabdovirus (CRV)
	<i>Betarcinrthavirus scapularis</i>	blacklegged tick rhabdovirus 1 (BLTRV-1)
<b>Family <i>Sumviridae</i></b>		
<i>Sunshinevirus</i>	<i>Sunshinevirus reptilis</i>	Sunshine Coast virus (SunCV)
<b>Family <i>Ximoviridae</i></b>		
<i>Alasvirus</i>	<i>Alasvirus muscae</i>	Hüb 1 diptera virus 11 (HbDV-11)
<i>Aphevirus</i>	<i>Aphevirus xinzhengense</i>	X nchéng mosquito virus (XcMV)
<i>Douppovirus</i>	<i>Douppovirus australiense</i>	Culex mononega-like virus 2 (CMLV-2)
<i>Draselvirus</i>	<i>Draselvirus dentati</i>	Hüb 1 rhabdo-like virus 7 (HbRLV-7)
<i>Drunivirus</i>	<i>Drunivirus chambonense</i>	Drosophila unispina virus 1 (Duniv-1)
<i>Gambievirus</i>	<i>Gambievirus bolahunense</i>	Bolahun virus (BLHV)
	<i>Gambievirus senegalense</i>	Gambie virus (GAMV)
<i>Gylbovirus</i>	<i>Gylbovirus aagae</i>	Aedes anphevirus (AeAV)
<i>Hoptevirus</i>	<i>Hoptevirus orthopteris</i>	Hüb 1 orthoptera virus 5 (HbOV-5)

Genus	Species <sup>1/</sup>	Virus (Abbreviation) <sup>&amp;</sup>
<i>Maddalivirus</i>	<i>Maddalivirus amapaense</i>	Anopheles marajoara virus (AnMV)
	<i>Maddalivirus amazonaense</i>	Anopheles darlingi virus (AnDV)
<i>Pelmivirus</i>	<i>Pelmivirus eymattense</i>	hymenopteran amphe-related virus OKIAV71 (HARV-71)
<i>Triniovirus</i>	<i>Triniovirus yonagoense</i>	Culex tritaeniorhynchus amphevirus (ClAV)
<i>Ulegivirus</i>	<i>Ulegivirus freckenteldense</i>	odonatan amphe-related virus OKIAV59 (OARV-59)

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

<sup>1/</sup>Includes: Newcastle disease virus (NDV).

<sup>2/</sup>Taxon names are always italicized and always begin with a capital letter.

<sup>&</sup>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 *Goujianvirales* (Negarnaviricota: *Haploviricotina*: *Yunchangviricetes*) as of March 2022.

**Table 5.**

Genus	Species <sup>¶</sup>	Virus (Abbreviation) <sup>&amp;</sup>
<b>Family <i>Yueviridae</i></b>		
<i>Yiyuevirus</i>	<i>Yiyuevirus beihaiense</i>	B ihāi sesamid crab virus 3 (BhSCV-3)
	<i>Yiyuevirus shaheense</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.

<sup>¶</sup>Taxon names are always italicized and always begin with a capital letter.

<sup>&</sup>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.

**Table 6.**

ICTV-accepted taxonomy of the order *Bunyavirales* (*Negarnaviricota: Polyploviricotina: Ellioviricetes*) as of March 2022.

Genus	Species <sup>#</sup>	Virus (Abbreviation) <sup>#</sup>
<b>Family Arenaviridae</b>		
<i>Antennavirus</i>	<i>Hairy antennavirus</i>	W nling frogfish arenavirus 2 (WIFAV-2)
	<i>Salmon antennavirus</i>	salmon pescarenavirus 1 (SPAV-1)
		salmon pescarenavirus 2 (SPAV-2)
	<i>Striated antenna virus</i>	W nling frogfish arenavirus 1 (WIFAV-1)
<i>Hartmanivirus</i>	<i>Haartman hartmanivirus</i>	Haartman Institute snake virus 1 (HISV-1)
		Haartman Institute snake virus 2 (HISV-2)
	<i>Heimat hartmanivirus</i>	andere Heimat virus 1 (aHeV-1)
	<i>Muikkunen hartmanivirus</i>	Dante Muikkunen virus 1 (DaMV-1)
	<i>Schoolhouse hartmanivirus</i>	old schoolhouse virus 1 (OScV-1)
		old schoolhouse virus 2 (OScV-2)
	<i>Seppatvet hartmanivirus</i>	SetPatVet virus 1 (SPVV-1)
	<i>Zurich hartmanivirus</i>	veterinary pathology Zurich virus 1 (VPZV-1)
		veterinary pathology Zurich virus 2 (VPZV-2)
<i>Mammarenavirus</i>	<i>Alpahuayo mammarenavirus</i>	Alpahuayo virus (ALLY)
	<i>Alxa mammarenavirus</i>	Alxa virus (ALXV)
	<i>Argentinian mammarenavirus</i>	Junin 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 (LJIV)
	<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)

Genus	Species <sup>¶</sup>	Virus (Abbreviation) <sup>&amp;</sup>
	<i>Ippy mammarenavirus</i>	Ippy virus (IPPYV)
	<i>Kitale mammarenavirus</i>	Kitale virus (KITLV)
	<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)
	<i>Luna mammarenavirus</i>	Luli virus (LULV)
		Luna virus (LUAV)
	<i>Lunk mammarenavirus</i>	Lunk virus (LNKV)
		Dandenong virus (DANV)
	<i>Lymphocytic choriomeningitis mammarenavirus</i>	lymphocytic choriomeningitis virus (LCMV)
	<i>Machupo mammarenavirus</i>	Machupo virus (MACV)
	<i>Mammarenavirus bituense</i>	Bitu virus (BITV)
	<i>Mammarenavirus kwanzaense</i>	Kwanza virus (KWAV)
	<i>Mariental mammarenavirus</i>	Mariental virus (MRLV)
	<i>Merino Walk mammarenavirus</i>	Merino Walk virus (MRWV)
	<i>Mobala mammarenavirus</i>	mobala virus (MOBV)
	<i>Mopeia mammarenavirus</i>	Mopeia virus (MPOV)
		Morogoro virus (MORV)
	<i>Okahandja mammarenavirus</i>	Okahandja virus (OKAV)
	<i>Oliveros mammarenavirus</i>	Oliveros virus (OLVV)
	<i>Paraguayan mammarenavirus</i>	Paraná virus (PRAV)
	<i>Planalto mammarenavirus</i>	Aporé virus (APOV)
	<i>Pirital mammarenavirus</i>	Pirital virus (PIRV)
	<i>Ryukyu mammarenavirus</i>	Ryukyu virus (RYKV)
	<i>Serra do Navio mammarenavirus</i>	Amapari virus (AMAV)
	<i>Solwezi mammarenavirus</i>	Solwezi virus (SOLV)
	<i>Souris mammarenavirus</i>	souris virus (SOUV)
	<i>Tacaribe mammarenavirus</i>	Tacaribe virus (TCRV)

Genus	Species <sup>¶</sup>	Virus (Abbreviation) <sup>&amp;</sup>
	<i>Tamiami mammarenavirus</i>	Tamiami virus (TMMV)
	<i>Wenzhou mammarenavirus</i>	W nzh u virus (WENV)
	<i>Whitewater Arroyo mammarenavirus</i>	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)
<i>Reptarenavirus</i>	<i>California 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 suomalaisen mies virus 2 (TSMV-2)
	<i>Rotterdam reptarenavirus</i>	ROUT virus (ROUTV)
		University of Helsinki virus 1 (UHV-1)
<b>Family Crulviridae</b>		
<i>Lincruvirus</i>	<i>Lincruvirus europense</i>	European shore crab virus 1 (EscV-1)
	<i>Lincruvirus sinense</i>	Chinese mitten crab virus 1 (CmcV-1)
	<i>Lincruvirus wenlingense</i>	W nling crustacean virus 9 (WICV-9)
<b>Family Discoviridae</b>		
<i>Orthodiscovirus</i>	<i>Orthodiscovirus conelliae</i>	Coniothyrium diploidiella negative-stranded RNA virus 1 (CnNSRV-1)
		Plasmopara viticola lesion associated mycobunyvirales-like virus 9 (PvLAM-LV9)
	<i>Orthodiscovirus hispaniae</i>	Plasmopara viticola lesion associated mycobunyvirales-like virus 8 (PvLAM-LV8)
	<i>Orthodiscovirus iberiae</i>	Plasmopara viticola lesion associated mycobunyvirales-like virus 4 (PvLAM-LV4)
	<i>Orthodiscovirus missouriense</i>	Penicillium discovirus (PDV)
	<i>Orthodiscovirus penicillii</i>	Penicillium roseopurpureum negative ssRNA virus 1 (PrNssV-1)
<b>Family Fimoviridae</b>		
<i>Emaravirus</i>	<i>Emaravirus aceris</i>	maple mottle-associated virus (MaMaV)

Genus	Species <sup>¶</sup>	Virus (Abbreviation) <sup>&amp;</sup>
	<i>Emaravirus actinidiae</i>	Actinidia chlorotic ringspot-associated virus (AcCRaV)
	<i>Emaravirus cajani</i>	pigeonpea sterility mosaic virus 1 (PPSMV-1)
	<i>Emaravirus camelliae</i>	Camellia japonica-associated virus 1 (CjaV-1)
	<i>Emaravirus cercidis</i>	redbud yellow ringspot-associated virus (RYRaV)
	<i>Emaravirus chrysanthemi</i>	chrysanthemum mosaic-associated virus (ChMaV)
	<i>Emaravirus cordylinae</i>	ti ringspot-associated virus (TIRSaV)
	<i>Emaravirus ficci</i>	fig mosaic virus (FMV)
	<i>Emaravirus idaeobati</i>	raspberry leaf blotch virus (RLBV)
	<i>Emaravirus kiwii</i>	Actinidia virus 2 (AcV-2)
	<i>Emaravirus parkinsoniae</i>	palo verde broom virus (PVBV)
	<i>Emaravirus perillae</i>	perilla mosaic virus (PerMV)
	<i>Emaravirus pistaciae</i>	Pistacia virus B (PIVB)
	<i>Emaravirus populi</i>	aspen mosaic-associated virus (AsMaV)
	<i>Emaravirus pyri</i>	pear chlorotic leaf spot-associated virus (PCLSaV)
	<i>Emaravirus quercus</i>	common oak ringspot-associated virus (CORaV)
	<i>Emaravirus rosae</i>	rose rosette virus (RRV)
	<i>Emaravirus rubi</i>	blackberry leaf mottle-associated virus (BLMaV)
	<i>Emaravirus sorbi</i>	European mountain ash ringspot-associated virus (EMARaV)
	<i>Emaravirus syringae</i>	lilac chlorotic ringspot-associated virus (LiCRaV)
	<i>Emaravirus toordali</i>	pigeonpea sterility mosaic virus 2 (PPSMV-2)
	<i>Emaravirus tritici</i>	High Plains wheat mosaic virus (HPWMoV)
	<i>Emaravirus verbanni</i>	Camellia japonica-associated virus 2 (CjaV-2)
	<i>Emaravirus ziziphi</i>	jujube yellow mottle-associated virus (JYMaV)
<b>Family Hantaviridae</b>		
Subfamily Actantavirinae		
<i>Actinivirus</i>	<i>Batfish actinivirus</i>	W nling minipizza batfish virus (WEMBV)
	<i>Goosefish actinivirus</i>	W nling yellow goosefish virus (WEYGV)
	<i>Perch actinivirus</i>	Bern perch virus (BRPV)
	<i>Spikefish actinivirus</i>	W nling red spikefish virus (WERSV)



Genus	Species <sup>¶</sup>	Virus (Abbreviation) <sup>&amp;</sup>
		Subfamily <i>Agantavirinae</i>
<i>Agnathovirus</i>	<i>Hagfish agnathovirus</i>	W nling hagfish virus (WEHV)
		Subfamily <i>Mammantavirinae</i>
<i>Loanvirus</i>	<i>Bmo loanvirus</i>	Bmo virus (BRNV)
	<i>Longquan loanvirus</i>	Longquan virus (LQUV)
<i>Mobatvirus</i>	<i>Laibin mobatvirus</i>	Laib n virus (LAIV)
	<i>Lena mobatvirus</i>	Lena virus (LENV)
	<i>Nova mobatvirus</i>	Nova virus (NAV)
	<i>Quezon mobatvirus</i>	Quezon virus (QZNV)
	<i>Xuan Son mobatvirus</i>	Xuan Soh virus (XSV)
<i>Orthohantavirus</i>	<i>Andes orthohantavirus</i>	Andes virus (ANDV)
		Castelo dos Sonhos virus (CASV)
		Lechiguana 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>	Caño Delgadito virus (CADV)
	<i>Cao Bang orthohantavirus</i>	Cao Bång virus (CBNV)
		Liánghé virus (L-HEV)
	<i>Chocho orthohantavirus</i>	Chocho virus (CHOV)
	<i>Dabieshan orthohantavirus</i>	Dabiésh n virus (DBSV)
	<i>Dobrava-Belgrade orthohantavirus</i>	Dobrava virus (DOBV)
		Kurkino virus (KURV)
		Saaremaa virus (SAAV)

Genus	Species <sup>¶</sup>	Virus (Abbreviation) <sup>&amp;</sup>
		Sochi virus (SOCV)
	<i>El Moro Canyon orthohantavirus</i>	Cartizal virus (CARV)
		El Moro Canyon virus (ELMCV)
		Huitzilac virus (HUIV)
	<i>Fugong orthohantavirus</i>	Fúgōng virus (FUGV)
	<i>Fusong orthohantavirus</i>	Fú s 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 (L-ANV)
		Maripa virus (MARV)
		Rio Mamoré virus (RIOMV)
	<i>Luxi orthohantavirus</i>	Lú x i virus (LUXV)
	<i>Maporal orthohantavirus</i>	Maporal virus (MAPV)
	<i>Montano orthohantavirus</i>	Montaño virus (MTNV)
	<i>Necocli orthohantavirus</i>	Necocli 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>Robina orthohantavirus</i>	Robina virus (ROBV)
	<i>Rockport orthohantavirus</i>	Rockport virus (RKPV)
	<i>Sangassou orthohantavirus</i>	Sangassou virus (SANGV)
	<i>Seevis orthohantavirus</i>	Seevis virus (SWSV)

Genus	Species <sup>¶</sup>	Virus (Abbreviation) <sup>&amp;</sup>
	<i>Seoul orthohantavirus</i>	g u virus (GOUV)
	<i>Sin Nombre orthohantavirus</i>	Seoul virus (SEOV)
		New York virus (NYV)
		Sin Nombre virus (SNV)
	<i>Tatnale orthohantavirus</i>	Tatnale virus (TATV)
	<i>Thailand orthohantavirus</i>	Anjoroche 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>	Yakeshi virus (YKSV)
<i>Thottimvirus</i>	<i>Imjin thottimvirus</i>	Imjin virus (MJNV)
	<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>Shilevirus leptomonadis</i>	Leptomonas moramango virus (LEPMV)
		Family <i>Mypoviridae</i>
<i>Hubavirus</i>	<i>Hubavirus myriapedis</i>	Hüb i myriapoda virus 5 (HbMV-5)
		Family <i>Nairoviridae</i>
<i>Norwavirus</i>	<i>Grotenhout norwavirus</i>	Grotenhout virus (GRHV)
<i>Ocetevirus</i>	<i>Blatodean ocetevirus</i>	red goblin roach virus 1 (RGRV-1)
<i>Orthonairovirus</i>	<i>Abu Hammad orthonairovirus</i>	Ab Hamm d virus (AHV)
	<i>Abu Mina orthonairovirus</i>	Ab M n virus (AMV)
	<i>Arasbat orthonairovirus</i>	Arasbat virus (ARTSV)
	<i>Avalon orthonairovirus</i>	Avalon virus (AVAV)
	<i>Chim orthonairovirus</i>	Chim virus (CHIMV)
	<i>Bandia orthonairovirus</i>	Bandia virus (BDVAV)

Genus	Species <sup>¶</sup>	Virus (Abbreviation) <sup>&amp;</sup>
	<i>Burana orthonairovirus</i>	Burana virus (BURV)
	<i>Congoid orthonairovirus</i>	Aigai virus (AIGV)
	<i>Criméan-Congo hemorrhagic fever orthonairovirus</i>	Criméan-Congo hemorrhagic fever virus (CCHFV)
	<i>Dera Ghazi Khan orthonairovirus</i>	Dera Ghazi Khan virus (DGKV)
	<i>Dugbe orthonairovirus</i>	Dugbe virus (DUGV)
	<i>Erve orthonairovirus</i>	Erve virus (ERVEV)
	<i>Estero Real orthonairovirus</i>	Estero Real virus (ERV)
	<i>Gossas orthonairovirus</i>	Gossas virus (GOSV)
	<i>Hazara orthonairovirus</i>	Hazara virus (HAZV)
	<i>Huangpi orthonairovirus</i>	Huangpi tick virus 1 (HpTV-1)
	<i>Hughes orthonairovirus</i>	Caspian virus (CASV)
		Farallon virus (FARV)
		Great Saltee virus (GRSV)
		Hughes virus (HUGV)
		Raza virus (RAZAV)
	<i>Issyk-kul orthonairovirus</i>	Issyk-kul virus (ISKV)
	<i>Kasokero orthonairovirus</i>	Kasokero virus (KASV = KASOV)
	<i>Keterah orthonairovirus</i>	Keterah virus (KTRV)
		Uzun-Agach virus (UZAV)
	<i>Kupe orthonairovirus</i>	Kupe virus (KUPEV)
	<i>Leopards Hill orthonairovirus</i>	Leopards Hill virus (LPHV)
	<i>Meram orthonairovirus</i>	Meram virus (MEMV)
	<i>Nairobi sheep disease orthonairovirus</i>	Nairobi sheep disease virus (NSDV)
	<i>Pacific Coast orthonairovirus</i>	Pacific Coast tick nairovirus (PCTNV)
	<i>Punta Salinas orthonairovirus</i>	Punta Salinas virus (PSV)
	<i>Qalyub orthonairovirus</i>	Geran virus (GERV)
		Qalyub virus (QYBV)
	<i>Sakhalin orthonairovirus</i>	Sakhalin virus (SAKV)

Genus	Species <sup>¶</sup>	Virus (Abbreviation) <sup>&amp;</sup>
		Tillamook virus (TILLV)
	<i>Sapphire orthonairovirus</i>	Sapphire II virus (SAPV)
	<i>Scot orthonairovirus</i>	Clo Mor virus (CMV = CLMV)
	<i>Soldado orthonairovirus</i>	Soldado virus (SOLV)
	<i>Tacheng orthonairovirus</i>	Táchéng tick virus 1 (TcTV-1)
	<i>Taggart orthonairovirus</i>	Taggart virus (TAGV)
	<i>Tamdy orthonairovirus</i>	Tamdy virus (TAMV)
	<i>Thiafora orthonairovirus</i>	Thiafora virus (TFAV)
	<i>Tofla orthonairovirus</i>	tofla virus (TFLV)
	<i>Tunis orthonairovirus</i>	Tunis virus (TUNV)
	<i>Vinegar Hill orthonairovirus</i>	Vinegar Hill virus (VINHV)
	<i>Wenzhou orthonairovirus</i>	W nzh u tick virus (WzTV)
	<i>Yogue orthonairovirus</i>	Yogue virus (YOGV)
	<i>Zirqa orthonairovirus</i>	Zirqa virus (ZIRV)
<i>Sabavirus</i>	<i>South Bay sabavirus</i>	South Bay virus (SBV)
<i>Shaspiavirus</i>	<i>Spider shaspiavirus</i>	Sh yáng spider virus 1 (SySV-1)
<i>Striwaivirus</i>	<i>Strider striwaivirus</i>	S nxiá water strider virus 1 (SxWSV-1)
<i>Xinspiavirus</i>	<i>Xinzhou xinspiavirus</i>	X nzh u spider virus (XSV)
<b>Family Peribunyaviridae</b>		
<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>Khurdivirus</i>	<i>Khurdivirus volgaense</i>	Khurdun virus (KURV)
<i>Lakivirus</i>	<i>Lakivirus lakamhaense</i>	Lakamba virus (LAKV)
<i>Lambavirus</i>	<i>Lambavirus wisconsinense</i>	largemouth bass bunyavirus (LBBV)
<i>Orthobunyavirus</i>	<i>Abras orthobunyavirus</i>	Abras virus (ABRV)
	<i>Acara orthobunyavirus</i>	Acará virus (ACAV)
		Moriche virus (MORV)
	<i>Aino orthobunyavirus</i>	Aino virus (AINOV)

Genus	Species <sup>¶</sup>	Virus (Abbreviation) <sup>&amp;</sup>
	<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>Ananindeua orthobunyavirus</i>	Ananindeua virus (ANUV)
	<i>Anhembi orthobunyavirus</i>	Anhembi virus (AMBV)
	<i>Anopheles A orthobunyavirus</i>	Anopheles A virus (ANAV)
		Arumateua virus (ARTV = ARMTV)
		Carapipé 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)
	<i>Apeú orthobunyavirus</i>	Apeú virus (APEUV)
	<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)
		Cananéia virus (CNAV)

Genus	Species <sup>¶</sup>	Virus (Abbreviation) <sup>&amp;</sup>
		Guararuba virus (GTBV)
		Iimirim virus (ITIV)
		Mirim virus (MIRV)
	<i>Bimiti orthobunyavirus</i>	bimiti virus (BIMV)
	<i>Birao orthobunyavirus</i>	Birao virus (BIRV)
	<i>Botambi orthobunyavirus</i>	Botambi virus (BOTV)
	<i>Bozo orthobunyavirus</i>	Bozo virus (BOZOV)
	<i>Brazoran orthobunyavirus</i>	brazoran virus (BRAZV)
	<i>Bruconha orthobunyavirus</i>	Bruconha virus (BRUV)
	<i>Buffalo Creek orthobunyavirus</i>	Buffalo Creek virus (BUCV)
	<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)
		Bushbush virus (BSBV)
		Juan Diaz 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)
		Cholul virus (CHLV)
		Tlacotalpan virus (TLAV)

Genus	Species <sup>¶</sup>	Virus (Abbreviation) <sup>&amp;</sup>
	<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>Carapaná orthobunyavirus</i>	Carapaná 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>Gamboa orthobunyavirus</i>	Brus Laguna virus (BLAV)
		Calchaquí virus (CQIV)
		Gamboá virus (GAMV)
		Pueblo Viejo virus (PVV)
		Soberanía virus (SOBV)
	<i>Gan Gan orthobunyavirus</i>	Gan Gan virus (GGV)
	<i>Guajara orthobunyavirus</i>	Guajará virus (GJAV)
	<i>Guama orthobunyavirus</i>	Guamá virus (GMV)
	<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)



Genus	Species <sup>¶</sup>	Virus (Abbreviation) <sup>&amp;</sup>
		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>	Macaua virus (MCAV)
	<i>Madrid orthobunyavirus</i>	Madrid virus (MADV)
	<i>Maguari orthobunyavirus</i>	Maguari virus (MAGV)
		Playas virus (PLAV)
	<i>Mahogany Hammock orthobunyavirus</i>	Mahogany Hammock virus (MHV)
	<i>Main Drain orthobunyavirus</i>	Main Drain virus (MDV)
	<i>Manzanilla orthobunyavirus</i>	Manzanilla virus (MANV)
		Inini virus (INIV)
	<i>Mapputta orthobunyavirus</i>	Mapputta virus (MAPV)
	<i>Maprik orthobunyavirus</i>	Maprik virus (MPKV)
	<i>Marituba orthobunyavirus</i>	Gumbo Limbo virus (GLV)
		Marituba virus (MTBV)
		Murutucú virus (MURV)
		Nepuyo virus (NEPV)
		Restan virus (RESV)
		Zungarococha virus (ZUNV)
	<i>Maaruh orthobunyavirus</i>	Maaruh virus (MTRV)
	<i>Melao orthobunyavirus</i>	Melao virus (MELV)

Genus	Species <sup>¶</sup>	Virus (Abbreviation) <sup>&amp;</sup>
	<i>Moju orthobunyavirus</i>	Moju virus (MOJUV)
	<i>Mermet orthobunyavirus</i>	Mermet virus (MERV)
	<i>Minatitlan orthobunyavirus</i>	Minatitlan virus (MINTV)
		Palestina virus (PLSV)
	<i>MPoko orthobunyavirus</i>	MPoko virus (MPOV)
		Yaba-1 virus (Y1V)
	<i>Nyando orthobunyavirus</i>	Eretmapodites virus (ERETV)
		Mojui dos Campos virus (MDCV)
		Nyando virus (NDV)
	<i>Olifantsvlei orthobunyavirus</i>	Bobia virus (BLAV)
		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)
		Madre de Dios virus (MDDV)
		Oropouche virus (OROV)
		Perdões virus (PDEV)
		Pintupo virus (PINTV)
	<i>Oyo orthobunyavirus</i>	Oyo virus (OYOV)
	<i>Patois orthobunyavirus</i>	Babahoya virus (BABV)
		Pahayokee virus (PAHV)
		Patois virus (PATV)
	<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)

Genus	Species <sup>¶</sup>	Virus (Abbreviation) <sup>&amp;</sup>
	<i>Schmallenberg orthobunyavirus</i>	Douglas virus (DOUV)
		Sathuperi virus (SATV)
		Schmallenberg virus (SBV)
		Shamonda virus (SHAV)
	<i>Sedlec orthobunyavirus</i>	Sedlec virus (SEDV)
	<i>Serra do Navio orthobunyavirus</i>	Serra do Navio virus (SDNV)
	<i>Shark River orthobunyavirus</i>	Shark River virus (SRV)
	<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>Soroca orthobunyavirus</i>	Soroca virus (SORV)
	<i>Tacatuma orthobunyavirus</i>	CoAr 1071 virus (CA1071V)
		CoAr 3627 virus (CA3626V)
		Tacatuma 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)
		Tete virus (TETEV)
		Tsuruse virus (TSUV)
		Weldona virus (WELY)
	<i>Thimiri orthobunyavirus</i>	Thimiri virus (THIV)
	<i>Timboteua orthobunyavirus</i>	Timboteua virus (TBTV)
	<i>Triniti orthobunyavirus</i>	Triniti virus (TINTV)
	<i>Trivittatus orthobunyavirus</i>	Achiote virus (ACHOV)

Genus	Species <sup>¶</sup>	Virus (Abbreviation) <sup>&amp;</sup>
		Trivittatus virus (TVTV)
	<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 Pracuvi virus
		Taiassui virus (TAIAV)
		Tucunduba virus (TUCV)
		Wyeomyia virus (WYOV)
<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 ngào insect virus 1 (SgIV-1)
<b>Family Phasmaviridae</b>		
<i>Feravirus</i>	<i>Ferak feravirus</i>	Ferak virus (FRKV)
	<i>Hemipteran feravirus</i>	hemipteran phasma-related virus OKIAV247 (HeFV)
	<i>Neuropteran feravirus</i>	neuropteran phasma-related virus OKIAV248 (NeFV)
<i>Hymovirus</i>	<i>Hymenopteran hymovirus 1</i>	hymenopteran phasma-related virus OKIAV252 (HyHV-1)
	<i>Hymenopteran hymovirus 2</i>	hymenopteran phasma-related virus OKIAV250 (HyHV-2)
<i>Jonvirus</i>	<i>Jonchet jonvirus</i>	jonchet virus (JONV)
<i>Orthophasmavirus</i> <sub>s</sub>	<i>Anopheles orthophasmavirus</i>	Anopheles triannulatus orthophasmavirus (AIOFV)
	<i>Coleopteran orthophasmavirus</i>	coleopteran phasma-related virus OKIAV235 (CPRV)
	<i>Culex orthophasmavirus</i>	Culex phasma-like virus (CPLV)
	<i>Ganda orthophasmavirus</i>	Ganda bee virus (GBEEV)

Genus	Species <sup>¶</sup>	Virus (Abbreviation) <sup>&amp;</sup>
	<i>Hymenopteran orthophasmavirus 1</i>	hymenopteran phasma-related virus OKIAV228 (HyOV-1)
	<i>Hymenopteran orthophasmavirus 2</i>	hymenopteran phasma-related virus OKIAV227 (HyOV-2)
	<i>Kigluak phantom orthophasmavirus</i>	Kigluak phantom virus (KIGV)
	<i>Niukluk phantom orthophasmavirus</i>	Niukluk phantom virus (NUKV)
	<i>Odonate orthophasmavirus</i>	Hüb i odonate virus 8 (HbOV-8)
	<i>Orthophasmavirus barsukasense</i>	Barsukas virus (BARV)
	<i>Orthophasmavirus coredoense</i>	Coredo virus (CORY)
	<i>Orthophasmavirus flenense</i>	Flen virus (FLNV)
	<i>Orthophasmavirus miglotasense</i>	Miglotas virus (MIGV)
	<i>Qingling orthophasmavirus</i>	Hüb i odonate virus 9 (HbOV-9)
	<i>Wüchang cockroach orthophasmavirus 1</i>	Wüch ng cockroach virus 1 (WcCV-1)
	<i>Wühan mosquito orthophasmavirus 1</i>	Wühan mosquito virus 1 (WhMV-1)
	<i>Wühan mosquito orthophasmavirus 2</i>	Wühan mosquito virus 2 (WhMV-2)
<i>Sawastrivirus</i>	<i>Saxia sawastrivirus</i>	S nxiá water strider virus 2 (SxWSV-2)
<i>Wühvirus</i>	<i>Insect wühvirus</i>	Wühan insect virus 2 (WhIV-2)
<b>Family Pheniviridae</b>		
<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>	Gü rtü virus (GTV)
	<i>Heartland bandavirus</i>	Heartland virus (HRTV)
	<i>Hunter Island bandavirus</i>	Albatross Island virus (ABIV)
	<i>Kismaayo bandavirus</i>	Kismaayo virus (KISV)
	<i>Lone star bandavirus</i>	lone star virus (LSV)
	<i>Razdan bandavirus</i>	Razdan virus (RAZV)
<i>Beidivirus</i>	<i>Dipteran beidivirus</i>	Hüb i diptera virus 3 (HbDV-3)
<i>Cogavirus</i>	<i>Citrus cogavirus</i>	citrus concave gum-associated virus (CCGaV)
	<i>Cogavirus ehuri</i>	citrus virus A (CiV-A)
	<i>Grapevine cogavirus</i>	grapevine associated cogu-like virus 1 (GaCLV-1)
<i>Entovirus</i>	<i>Entoleuca entovirus</i>	Entoleuca phenui-like virus 1 (EnPLV-1)

Genus	Species <sup>¶</sup>	Virus (Abbreviation) <sup>&amp;</sup>
<i>Goukovirus</i>	<i>Cumuto goukovirus</i>	Cumuto virus (CUMV)
	<i>Gouleako goukovirus</i>	Gouléako virus (GOLV)
	<i>Yichang insect goukovirus</i>	Yíchāng insect virus (YcIV)
<i>Horwovirus</i>	<i>Horsefly horwovirus</i>	Wūhàn horsefly virus (WhHV)
	<i>Kimberley horwovirus</i>	Fitzroy Crossing tenui-like virus 1 (FCTenV1)
<i>Hudivirus</i>	<i>Dipteran hudivirus</i>	Húb i diptera virus 4 (HbDV-4)
<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>Grapevine laulavirus 2</i>	grapevine associated cogu-like virus 2 (GaCLV-2)
	<i>Grapevine laulavirus 3</i>	grapevine associated cogu-like virus 3 (GaCLV-3)
	<i>Grapevine laulavirus 4</i>	grapevine associated cogu-like virus 4 (GaCLV-4)
	<i>Laurel Lake laulavirus</i>	Laurel Lake virus (LLV)
<i>Lentinivirus</i>	<i>Lentinula lentinivirus</i>	Lentinula edodes negative-strand RNA virus 2 (LeNSRV-2)
<i>Mobuvirus</i>	<i>Mothra mobuvirus</i>	Mothra virus (MTHV)
	<i>Narangue mobuvirus</i>	Narangue virus (NRGV)
<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>	Wūhàn fly virus 1 (WhFV-1)
	<i>Guadeloupe phasivirus</i>	Guadeloupe mosquito phasivirus (GMPV)
	<i>Kimberley phasivirus</i>	Parry's Creek phasivirus 1 (PCPhasV1)
	<i>Phasi Charoen-like phasivirus</i>	Phasi Charoen-like virus (PCLV)
	<i>Wutai mosquito phasivirus</i>	Wūtái 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>	Ambé virus (ABEV)

Genus	Species <sup>¶</sup>	Virus (Abbreviation) <sup>&amp;</sup>
	<i>Anhanga phlebovirus</i>	Anhangá virus (ANHV)
	<i>Arumowot phlebovirus</i>	Arumowot virus (AMTV)
	<i>Buenaventura phlebovirus</i>	Buenaventura virus (BUEV)
	<i>Bogoria phlebovirus</i>	Bogoria virus (BGRV)
	<i>Bujaru phlebovirus</i>	Bujaru virus (BUJV)
	<i>Cacao phlebovirus</i>	Cacao virus (CACV)
	<i>Campaña phlebovirus</i>	Campaña virus (CMAV)
	<i>Candiru phlebovirus</i>	Ariquemes virus (ARQV)
		Candirú virus (CDUV)
		Jacundá virus (JCNV)
		Morumbi virus (MR(M)BV)
		Mucura virus (MCRV/MRAV)
		Serra Norte virus (SRNV)
	<i>Chagres phlebovirus</i>	Chagres virus (CHGV)
	<i>Cocle phlebovirus</i>	Coclé virus (CCLV)
	<i>Corfou phlebovirus</i>	Corfou virus (CFUV)
	<i>Dashli phlebovirus</i>	D shli virus (DASV)
	<i>Durania phlebovirus</i>	Durania virus (DRNV)
	<i>Echarate phlebovirus</i>	Echarate virus (ECHV)
	<i>Embossos phlebovirus</i>	Embossos virus (EMBV)
	<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>Kibogoch phlebovirus</i>	Kibogoch virus (KBGV)
	<i>La Gloria phlebovirus</i>	La Gloria virus (LAGV)

Genus	Species <sup>¶</sup>	Virus (Abbreviation) <sup>&amp;</sup>
	<i>Lara phlebovirus</i>	Rio Claro virus (RICV)
	<i>Leticia phlebovirus</i>	Leticia virus (LTCV)
	<i>Maldonado phlebovirus</i>	Maldonado virus (MLOV)
	<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>	Arrábida virus (ARRV)
		Balkan virus (BALKV)
		Fermo virus (FERV)
		Granada virus (GRV = GRAV)
		Saddaguia virus (SADV)
		sandfly fever Naples virus (SFNV)
	<i>Nique phlebovirus</i>	Nique virus (NIQV)
	<i>Niepes phlebovirus</i>	Niepes virus (NTPV)
	<i>Odrénistrou phlebovirus</i>	Odrénistrou virus (ODRV)
	<i>Oriximina phlebovirus</i>	Oriximiná virus (ORXV)
	<i>Pena Blanca phlebovirus</i>	Peña Blanca virus (PEBV)
	<i>Penshurt phlebovirus</i>	Penshurt virus (PEHV)
	<i>Perkerra phlebovirus</i>	Perkerra virus (PKEV)
	<i>Punique phlebovirus</i>	Punique virus (PUNV)
	<i>Punta Toro phlebovirus</i>	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)



Genus	Species <sup>¶</sup>	Virus (Abbreviation) <sup>&amp;</sup>
		Arbia virus (ARBV)
		Bregalaka virus (BREV)
		Olbia virus (OLBV)
		Salehabad virus (SALV)
		Zaba virus (ZABAV)
	<i>Salobo phlebovirus</i>	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 phlebovirus</i>	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)
	<i>Uriturana phlebovirus</i>	Uriturana 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>Coleopteran pidchovirus</i>	coleopteran phenui-related virus 308 (CoPrV-308)
	<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>Grapevine rubodvirus 1</i>	grapevine Garan dimak virus (GGDV)
	<i>Grapevine rubodvirus 2</i>	grapevine Muscat rose virus (GMRV)
<i>Tanzavirus</i>	<i>Human tanzavirus</i>	Dar es Salaam virus (DeSV)
<i>Tenuivirus</i>	<i>Echinochloa hoja blanca tenuivirus</i>	Echinochloa hoja blanca virus (EHBV)
	<i>European wheat striate mosaic tenuivirus</i>	European wheat striate mosaic virus (EWSMV)
	<i>Iranian wheat stripe tenuivirus</i>	Iranian wheat stripe virus (IWSV)
	<i>Maize stripe tenuivirus</i>	maize stripe virus (MSiV = MSpV)

Genus	Species <sup>¶</sup>	Virus (Abbreviation) <sup>&amp;</sup>
	<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 = RSIV)
	<i>Urochloa hoja blanca tenuivirus</i>	Urochloa hoja blanca virus (UHBV)
<i>Uukuvirus</i>	<i>American dog uukuvirus</i>	American dog tick virus (ADAV)
	<i>Dabieshan uukuvirus</i>	Dabiésh n tick virus (DBSH)
	<i>Grand Arbaud uukuvirus</i>	Grand Arbaud virus (GAV)
	<i>Huangpi uukuvirus</i>	Huángpí tick virus 2 (HpTV-2)
	<i>Kabuto mountain uukuvirus</i>	Kabuto mountain virus (KAMV)
	<i>Kaisodi uukuvirus</i>	Kaisodi virus (KASDV)
	<i>Lihan uukuvirus</i>	Lihan tick virus (LITV)
	<i>Murre uukuvirus</i>	murre virus (MURV)
	<i>Pacific coast uukuvirus</i>	Pacific coast tick virus (PACV)
	<i>Precarious Point uukuvirus</i>	Precarious Point virus (PPV)
	<i>Rukutama uukuvirus</i>	Rukutama virus (RUKV)
	<i>Schmid uukuvirus</i>	Nile Warbler virus (NIWV)
	<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)
		Pontevès virus (PTVV)
		St. Abbs Head virus (SAHV)
		Uukuniemi virus (UUKV)
	<i>Yongji uukuvirus</i>	Yóngjǐ tick virus (YONV)
	<i>Zaliv Terpeniya uukuvirus</i>	Zaliv Terpeniya virus (ZTV)
<i>Wenivirus</i>	<i>Shrimp wenivirus</i>	Mourilyan virus (MoV)
<b>Family Tospoviridae</b>		

Genus	Species <sup>¶</sup>	Virus (Abbreviation) <sup>&amp;</sup>
<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>Capsicum chlorosis orthotospovirus</i>	Capsicum 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)
	<i>Polygonum ringspot orthotospovirus</i>	Polygonum ringspot virus (PoIRSV)
	<i>Soybean vein necrosis orthotospovirus</i>	soybean vein necrosis virus (SVNV)
	<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)
<b>Family <i>Tulaviridae</i></b>		
<i>Orthotulavirus</i>	<i>Orthotulavirus tulasnellae</i>	Tulasnella bunyavirales-like virus 1 (TB-LV)

Genus	Species <sup>¶</sup>	Virus (Abbreviation) <sup>&amp;</sup>
<i>Wumivirus</i>	<i>Wumivirus millepedae</i>	Family <i>Wupedeviridae</i>
		Wüthän 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.

<sup>¶</sup>Taxon names are always italicized and always begin with a capital letter.

<sup>&</sup>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* (*Negarnaviricota: Polyploviricota: Insthoviricetes*) as of March 2022.

Table 7.

Genus	Species <sup>†</sup>	Virus (Abbreviation) <sup>&amp;</sup>
<b>Family Amnoonviridae</b>		
<i>Tilapiaevirus</i>	<i>Tilapiaevirus tilapiae</i>	tilapia lake virus (TiLV)
<b>Family Orthomyxoviridae</b>		
<i>Alphainfluenzavirus</i>	<i>Alphainfluenzavirus influenzae</i>	influenza A virus (FLUAV)
<i>Betainfluenzavirus</i>	<i>Betainfluenzavirus influenzae</i>	influenza B virus (FLUBV)
<i>Deltainfluenzavirus</i>	<i>Deltainfluenzavirus influenzae</i>	influenza D virus (FLUDV)
<i>Gammainfluenzavirus</i>	<i>Gammainfluenzavirus influenzae</i>	influenza C virus (FLUCV)
<i>Isavirus</i>	<i>Isavirus salaris</i>	infectious salmon anemia virus (ISAV)
<i>Myxissvirus</i>	<i>Myxissvirus tructae</i>	rainbow trout orthomyxovirus (RbtOV)
		steelhead trout orthomyxovirus (StOV-1)
<i>Quaranjavirus</i>	<i>Quaranjavirus araguanense</i>	Araguari virus (ARAV)
	<i>Quaranjavirus chadense</i>	Lake Chad virus (LKCV)
	<i>Quaranjavirus johnstonense</i>	Johnston Atoll virus (JAV)
	<i>Quaranjavirus quaranfense</i>	Quaranfil virus (QRFV)
	<i>Quaranjavirus tyulekense</i>	Tyulek (Tjuloc) virus (TLKV)
	<i>Quaranjavirus wellfleetense</i>	Wellfleet Bay virus (WFBV)
<i>Sardinovirus</i>	<i>Sardinovirus pilchardi</i>	pilchard orthomyxovirus (POMV)
<i>Thogotovirus</i>	<i>Thogotovirus bourbonense</i>	Bourbon virus (BRBV)
	<i>Thogotovirus dhoiense</i>	Dhoi virus (DHOV)
	<i>Thogotovirus josense</i>	Jos virus (JOSV)
	<i>Thogotovirus ozense</i>	Oz virus (OZV)
	<i>Thogotovirus sinuense</i>	Sinu virus (SINUV)
	<i>Thogotovirus thailandense</i>	Thailand tick thogotovirus (TT-THOV)
	<i>Thogotovirus thogotoense</i>	Thogoto virus (THOV)
	<i>Thogotovirus upoluense</i>	Upolu virus (UPOV)

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

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