



Taxonomy of the order *Mononegavirales*: second update 2018

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Abstract

In October 2018, the order *Mononegavirales* was amended by the establishment of three new families and three new genera, abolishment of two genera, and creation of 28 novel species. This article presents the updated taxonomy of the order *Mononegavirales* as now accepted by the International Committee on Taxonomy of Viruses (ICTV).

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Introduction

The virus order *Mononegavirales* was established in 1991 to accommodate related viruses with nonsegmented, linear, single-stranded, negative-sense RNA genomes classified into three families [12, 13]. According to the previous ratification vote held in March, 2018, the order included eight families [7]. Amended/emended order descriptions were published in 1995 [4], 1997 [14], 2000 [15], 2005 [16], 2011 [5], 2016 [1], 2017 [2], and March 2018 [3]. Here, we present the changes that were proposed via an official ICTV taxonomic proposal (TaxoProp 2017.016M.A.v1. Mononegavirales_rev) at <http://www.ictvonline.org/> in 2017 and were accepted by the ICTV Executive Committee (EC) in October 2018. These changes are now part of the official ICTV taxonomy as of October 2018.

Taxonomic changes at the order rank

In October 2018, the order *Mononegavirales* was expanded by three families. The family *Artoviridae* was created for the established genus *Peropuvirus* (moved out of *Nyamiviridae*) and six new species for Běihǎi barnacle virus 8 (BhBV-8), Běihǎi rhabdo-like virus 1 (BhRLV-1), Běihǎi rhabdo-like virus 2 (BhRLV-2), Húběi rhabdo-like virus 5 (HbRLV-5), Húběi rhabdo-like virus 6 (HbRLV-6), and Húběi rhabdo-like virus 8 (HbRLV-8), all discovered in invertebrates [8, 17]. The family *Lispiviridae* was established for inclusion of the floating genus *Arlivirus*; the novel species *Hubei arlivirus*, *Odonate arlivirus*, and *Wuchang arlivirus* for Húběi rhabdo-like virus 3 (HbRLV-3), Húběi odonate virus 10 (HbOV-10), and Wūchāng romanomermis nematode virus 2 (WcRNV-2) discovered in invertebrates; and the (renamed) species of the now abandoned free-floating genera *Chengtivirus* and *Wastriovirus* [8, 17]. The family *Xinmoviridae* was established for the floating genus *Anphevirus*, and six novel species were added to the genus for Bolahun virus (BLHV), *Drosophila unispina virus 1* (DuniV-1), Húběi diptera virus 11 (HbDV-11), Húběi orthoptera virus 5 (HbOV-5), Húběi rhabdo-like virus 7 (HbRLV-7), and Shuāngào fly virus 2 (SgFV-2) discovered in invertebrates [6, 8, 9, 17].

Taxonomic changes at the family rank

Bornaviridae

In October 2018, no changes were made at the family rank.

Filoviridae

In October 2018, no changes were made at the family rank.

Mymonaviridae

In October 2018, six new species were added to the genus *Sclerotimonavirus* for Húběi rhabdo-like virus 4 (HbRLV-4), *Sclerotinia sclerotiorum* negative-stranded RNA virus 4 (SsNSRV-4), soybean leaf-associated negative-stranded RNA virus 1 (SLaNSRV-1), soybean leaf-associated negative-stranded RNA virus 2 (SLaNSRV-2), soybean leaf-associated negative-stranded RNA virus 3 (SLaNSRV-3), and soybean leaf-associated negative-stranded RNA virus 4 (SLaNSRV-4) associated with soybean leaves, invertebrates, and fungi [10, 11, 17].

Nyamiviridae

In October 2018, the free-floating genus *Crustavirus* was included in the family, and two novel species were added to that genus for Běihǎi rhabdo-like virus 6 (BhRLV-6) and Wēnlǐng crustacean virus 12 (WICV-12) discovered in invertebrates. One genus, *Peropuvirus*, was moved from the family into the new family *Artoviridae*. Finally, the family was expanded by three novel genera that include a total of five new species for Běihǎi rhabdo-like virus 3 (BhRLV-3), Běihǎi rhabdo-like virus 4 (BhRLV-4), Běihǎi rhabdo-like virus 5 (BhRLV-5), Orinoco virus (ONCV), and Wēnzhōu tapeworm virus 1 (WzTWV-1) discovered in invertebrates [8, 17].

Paramyxoviridae

In October 2018, no changes were made at the family rank.

Pneumoviridae

In October 2018, no changes were made at the family rank.

Rhabdoviridae

In October 2018, no changes were made at the family rank.

Sunviridae

In October 2018, no changes were made at the family rank.

Table 1 ICTV-accepted taxonomy of the order *Mononegavirales* as of October 2018. Listed are all mononegaviruses that are classified into species

Genus	Species [¶]	Virus (Abbreviation) [¶]	
Family Artoviridae			
<i>Peropuvirus</i>	<i>Barnacle peropuvirus</i>	Běihǎi barnacle virus 8 (BhBV-8)	
	<i>Beihai peropuvirus</i>	Běihǎi rhabdo-like virus 1 (BhRLV-1)	
	<i>Hubei peropuvirus</i>	Húběi rhabdo-like virus 6 (HbRLV-6)	
	<i>Odonate peropuvirus</i>	Húběi rhabdo-like virus 8 (HbRLV-8)	
	<i>Pillworm peropuvirus</i>	Húběi rhabdo-like virus 5 (HbRLV-5)	
	<i>Pteromalus puparum peropuvirus</i> *	Pteromalus puparum negative-strand RNA virus 1 (PpNSRV-1)	
	<i>Woodlouse peropuvirus</i>	Běihǎi rhabdo-like virus 2 (BhRLV-2)	
Family Bornaviridae			
<i>Carbovirus</i>	<i>Queensland carbovirus</i> *	jungle carpet python virus (JCPV)	
	<i>Southwest carbovirus</i>	southwest carpet python virus (SWCPV)	
<i>Orthobornavirus</i>	<i>Elapid 1 orthobornavirus</i>	Loveridge's garter snake virus 1 (LGSV-1)	
	<i>Mammalian 1 orthobornavirus</i> *		Borna disease virus 1 (BoDV-1)
			Borna disease virus 2 (BoDV-2)
	<i>Mammalian 2 orthobornavirus</i>	variegated squirrel bornavirus 1 (VSBV-1)	
	<i>Passeriform 1 orthobornavirus</i>		canary bornavirus 1 (CnBV-1)
			canary bornavirus 2 (CnBV-2)
			canary bornavirus 3 (CnBV-3)
	<i>Passeriform 2 orthobornavirus</i>	estrildid finch bornavirus 1 (EsBV-1)	
	<i>Psittaciform 1 orthobornavirus</i>		parrot bornavirus 1 (PaBV-1)
			parrot bornavirus 2 (PaBV-2)
		parrot bornavirus 3 (PaBV-3)	
	parrot bornavirus 4 (PaBV-4)		
	parrot bornavirus 7 (PaBV-7)		
<i>Psittaciform 2 orthobornavirus</i>	parrot bornavirus 5 (PaBV-5)		
<i>Waterbird 1 orthobornavirus</i>	aquatic bird bornavirus 1 (ABBV-1)		
	aquatic bird bornavirus 2 (ABBV-2)		
Family Filoviridae			
<i>Cuevavirus</i>	<i>Lloviu cuevavirus</i> *	Lloviu virus (LLOV)	
<i>Ebolavirus</i>	<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>	Taï Forest virus (TAFV)	
	<i>Zaire ebolavirus</i> *	Ebola virus (EBOV)	
<i>Marburgvirus</i>	<i>Marburg marburgvirus</i> *	Marburg virus (MARV)	
		Ravn virus (RAVV)	
Family Lispiviridae			
<i>Arlivirus</i>	<i>Hubei arlivirus</i>	Húběi rhabdo-like virus 3 (HbRLV-3)	
	<i>Lishi arlivirus</i> *	Líshí spider virus 2 (LsSV-2)	
	<i>Odonate arlivirus</i>	Húběi odonate virus 10 (HbOV-10)	
	<i>Gerrid arlivirus</i>	Sānxiá water strider virus 4 (SxWSV-4)	
	<i>Tacheng arlivirus</i>	Tǎchéng tick virus 6 (TcTV-6)	
	<i>Wuchang arlivirus</i>	Wūchāng romanomermis nematode virus 2 (WeRNV-2)	
Family Mymonaviridae			
<i>Sclerotimonavirus</i>	<i>Dadou sclerotimonavirus</i>	soybean leaf-associated negative-stranded RNA virus 3 (SLaNSRV-3)	
	<i>Drop sclerotimonavirus</i>		Sclerotinia sclerotiorum negative-stranded RNA virus 2 (SsNSRV-2)
			Sclerotinia sclerotiorum negative-stranded RNA virus 4 (SsNSRV-4)
	<i>Glycine sclerotimonavirus</i>	Fusarium graminearum negative-stranded RNA virus 1 (FgNSRV-1)	
		soybean leaf-associated negative-stranded RNA virus 1 (SLaNSRV-1)	

Table 1 (continued)

Genus	Species [¶]	Virus (Abbreviation) [¶]
	<i>Hubei sclerotimonavirus</i>	Húběi rhabdo-like virus 4 (HbRLV-4)
	<i>Illinois sclerotimonavirus</i>	soybean leaf-associated negative-stranded RNA virus 2 (SLaNSRV-2)
	<i>Phyllosphere sclerotimonavirus</i>	soybean leaf-associated negative-stranded RNA virus 4 (SLaNSRV-4)
	<i>Sclerotinia sclerotimonavirus</i> *	Sclerotinia sclerotiorum negative-stranded RNA virus 1 (SsNSRV-1)
		Sclerotinia sclerotiorum negative-stranded RNA virus 3 (SsNSRV-3)
Family Nyamiviridae		
<i>Berhavirus</i>	<i>Beihai berhavirus</i>	Běihǎi rhabdo-like virus 4 (BhRLV-4)
	<i>Echinoderm berhavirus</i>	Běihǎi rhabdo-like virus 5 (BhRLV-5)
	<i>Sipunculid berhavirus</i> *	Běihǎi rhabdo-like virus 3 (BhRLV-3)
<i>Crustavirus</i>	<i>Beihai crustavirus</i>	Běihǎi rhabdo-like virus 6 (BhRLV-6)
	<i>Wenling crustavirus</i>	Wēnlíng crustacean virus 12 (WICV-12)
	<i>Wenzhou crustavirus</i> *	Wēnzhōu crab virus 1 (WzCV-1)
<i>Nyavirus</i>	<i>Midway nyavirus</i>	Midway virus (MIDWV)
	<i>Nyamanini nyavirus</i> *	Nyamanini virus (NYMV)
	<i>Sierra Nevada nyavirus</i>	Sierra Nevada virus (SNVV)
<i>Orinovirus</i>	<i>Orinoco orinovirus</i> *	Orinoco virus (ONCV)
<i>Socycivirus</i>	<i>Soybean cyst nematode socycivirus</i> *	soybean cyst nematode virus 1 (SbCNV-1)
<i>Tapwovirus</i>	<i>Tapeworm tapwovirus</i> *	Wēnzhōu tapeworm virus 1 (WzTWV-1)
Family Paramyxoviridae		
<i>Aquaparamyxovirus</i>	<i>Salmon aquaparamyxovirus</i> *	Atlantic salmon paramyxovirus (AsaPV)
<i>Avulavirus</i>	<i>Avian avulavirus 1</i> *	avian paramyxovirus 1 (APMV-1) ¹
	<i>Avian avulavirus 2</i>	avian paramyxovirus 2 (APMV-2)
	<i>Avian avulavirus 3</i>	avian paramyxovirus 3 (APMV-3)
	<i>Avian avulavirus 4</i>	avian paramyxovirus 4 (APMV-4)
	<i>Avian avulavirus 5</i>	avian paramyxovirus 5 (APMV-5)
	<i>Avian avulavirus 6</i>	avian paramyxovirus 6 (APMV-6)
	<i>Avian avulavirus 7</i>	avian paramyxovirus 7 (APMV-7)
	<i>Avian avulavirus 8</i>	avian paramyxovirus 8 (APMV-8)
	<i>Avian avulavirus 9</i>	avian paramyxovirus 9 (APMV-9)
	<i>Avian avulavirus 10</i>	avian paramyxovirus 10 (APMV-10)
	<i>Avian avulavirus 11</i>	avian paramyxovirus 11 (APMV-11)
	<i>Avian avulavirus 12</i>	avian paramyxovirus 12 (APMV-12)
	<i>Avian avulavirus 13</i>	avian paramyxovirus 13 (APMV-13)
	<i>Avian avulavirus 14</i>	avian paramyxovirus 14 (APMV-14)
	<i>Avian avulavirus 15</i>	avian paramyxovirus 15 (APMV-15)
	<i>Avian avulavirus 16</i>	avian paramyxovirus 16 (APMV-16)
	<i>Avian avulavirus 17</i>	Antarctic penguin virus A (APV-A)
	<i>Avian avulavirus 18</i>	Antarctic penguin virus B (APV-B)
	<i>Avian avulavirus 19</i>	Antarctic penguin virus C (APV-C)
<i>Ferlavivirus</i>	<i>Reptilian ferlavivirus</i> *	fer-de-lance virus (FDLV)
<i>Henipavirus</i>	<i>Cedar henipavirus</i>	Cedar virus (CedV)
	<i>Ghanaian bat henipavirus</i>	Ghana virus (GhV) ²
	<i>Hendra henipavirus</i> *	Hendra virus (HeV)
	<i>Mojiang henipavirus</i>	Mòjiāng virus (MojV)
	<i>Nipah henipavirus</i>	Nipah virus (NiV)
<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>Small ruminant morbillivirus</i>	peste-des-petits-ruminants virus (PPRV)

Table 1 (continued)

Genus	Species [¶]	Virus (Abbreviation) [¶]	
<i>Respirovirus</i>	<i>Phocine morbillivirus</i>	phocine distemper virus (PDV)	
	<i>Rinderpest morbillivirus</i>	rinderpest virus (RPV)	
	<i>Bovine respirovirus 3</i>	bovine parainfluenza virus 3 (BPIV-3)	
	<i>Human respirovirus 1</i>	human parainfluenza virus 1 (HPIV-1)	
	<i>Human respirovirus 3</i>	human parainfluenza virus 3 (HPIV-3)	
	<i>Porcine respirovirus 1</i>	porcine parainfluenza virus 1 (PPIV-1)	
<i>Rubulavirus</i>	<i>Murine respirovirus*</i>	Sendai virus (SeV) ³	
	<i>Achimota rubulavirus 1</i>	Achimota virus 1 (AchPV-1)	
	<i>Achimota rubulavirus 2</i>	Achimota virus 2 (AchPV-2)	
	<i>Bat mumps rubulavirus</i>	bat mumps virus (BMV) ⁴	
	<i>Human rubulavirus 2</i>	human parainfluenza virus 2 (HPIV-2)	
	<i>Human rubulavirus 4</i>	human parainfluenza virus 4a (HPIV-4a) human parainfluenza virus 4b (HPIV-4b)	
	<i>Mammalian rubulavirus 5</i>	parainfluenza virus 5 (PIV-5) ⁵	
	<i>Mapuera rubulavirus</i>	Mapuera virus (MapV)	
	<i>Menangle rubulavirus</i>	Menangle virus (MenPV)	
	<i>Mumps rubulavirus*</i>	mumps virus (MuV)	
	<i>Porcine rubulavirus</i>	La Piedad Michoacán Mexico virus (LPMV) ⁶	
	<i>Simian rubulavirus</i>	simian virus 41 (SV-41)	
	<i>Sosuga rubulavirus</i>	Sosuga virus (SOSV)	
	<i>Teviot rubulavirus</i>	Teviot virus (TevPV)	
	<i>Tioman rubulavirus</i>	Tioman virus (TioPV)	
	<i>Tuhoko rubulavirus 1</i>	Tuhoko virus 1 (ThkPV-1)	
	<i>Tuhoko rubulavirus 2</i>	Tuhoko virus 2 (ThkPV-2)	
	<i>Tuhoko rubulavirus 3</i>	Tuhoko virus 3 (ThkPV-3)	
	Family <i>Pneumoviridae</i>		
	<i>Metapneumovirus</i>	<i>Avian metapneumovirus*</i>	avian metapneumovirus (AMPV) ⁷
<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)	
Family <i>Rhabdoviridae</i>			
<i>Almendravirus</i>	<i>Arboretum almendravirus</i>	Arboretum virus (ABTV)	
	<i>Balsa almendravirus</i>	Balsa virus (BALV)	
	<i>Coot Bay almendravirus</i>	Coot Bay virus (CBV)	
	<i>Puerto Almendras almendravirus*</i>	Puerto Almendras virus (PTAMV)	
	<i>Rio Chico almendravirus</i>	Rio Chico virus (RCHV)	
<i>Curiovirus</i>	<i>Curionopolis curiovirus*</i>	Curionopolis virus (CURV)	
	<i>Irii curiovirus</i>	Irii virus (IRIRV)	
	<i>Itacaiunas curiovirus</i>	Itacaiunas virus (ITAV)	
	<i>Rochambeau curiovirus</i>	Rochambeau virus (RBUV)	
<i>Cytorhabdovirus</i>	<i>Alfalfa dwarf cytorhabdovirus</i>	alfalfa dwarf virus (ADV)	
	<i>Barley yellow striate mosaic cytorhabdovirus</i>	barley yellow striate mosaic virus (BYSMV)	
	<i>Broccoli necrotic yellows cytorhabdovirus</i>	broccoli necrotic yellows virus (BNYV)	
	<i>Colocasia bobone disease-associated cytorhabdovirus</i>	Colocasia bobone disease-associated virus (CBDaV)	
	<i>Festuca leaf streak cytorhabdovirus</i>	Festuca leaf streak virus (FLSV)	
	<i>Lettuce necrotic yellows cytorhabdovirus*</i>	lettuce necrotic yellows virus (LNYV)	
	<i>Lettuce yellow mottle cytorhabdovirus</i>	lettuce yellow mottle virus (LYMoV)	

Table 1 (continued)

Genus	Species [¶]	Virus (Abbreviation) [¶]
	<i>Northern cereal mosaic cytorhabdovirus</i>	northern cereal mosaic virus (NCMV)
	<i>Sonchus cytorhabdovirus 1</i>	Sonchus virus (SonV)
	<i>Strawberry crinkle cytorhabdovirus</i>	strawberry crinkle virus (SCV)
	<i>Wheat American striate mosaic cytorhabdovirus</i>	wheat American striate mosaic virus (WASMV)
<i>Dichorhavirus</i>	<i>Coffee ringspot dichorhavirus</i>	coffee ringspot virus (CoRSV)
	<i>Orchid fleck dichorhavirus*</i>	orchid fleck virus (OFV)
<i>Ephemerovirus</i>	<i>Adelaide River ephemerovirus</i>	Adelaide River virus (ARV)
	<i>Berrimah ephemerovirus</i>	Berrimah virus (BRMV)
	<i>Bovine fever ephemerovirus*</i>	bovine ephemeral fever virus (BEFV)
	<i>Kimberley ephemerovirus</i>	Kimberley virus (KIMV)
		Malakal virus (MALV)
	<i>Koolpinyah ephemerovirus</i>	Koolpinyah virus (KOOLV)
	<i>Kotonkan ephemerovirus</i>	kotonkan virus (KOTV)
	<i>Obodhiang ephemerovirus</i>	Obodhiang virus (OBOV)
	<i>Yata ephemerovirus</i>	Yata virus (YATV)
<i>Hapavirus</i>	<i>Flanders hapavirus</i>	Flanders virus (FLAV)
	<i>Hart Park hapavirus</i>	Hart Park virus (HPV)
	<i>Gray Lodge hapavirus</i>	Gray Lodge virus (GLOV)
	<i>Joinjakaka hapavirus</i>	Joinjakaka virus (JOIV)
	<i>La Joya hapavirus</i>	La Joya virus (LJV)
	<i>Kamese hapavirus</i>	Kamese virus (KAMV)
	<i>Landjia hapavirus</i>	Landjia virus (LANV = LJAV)
	<i>Manitoba hapavirus</i>	Manitoba virus (MANV = MNTBV)
	<i>Marco hapavirus</i>	Marco virus (MCOV)
	<i>Mosqueiro hapavirus</i>	Mosqueiro virus (MQOV)
	<i>Mossuril hapavirus</i>	Mossuril virus (MOSV)
	<i>Ngaingan hapavirus</i>	Ngaingan virus (NGAV)
	<i>Ord River hapavirus</i>	Ord River virus (ORV)
	<i>Parry Creek hapavirus</i>	Parry Creek virus (PCV)
	<i>Wongabel hapavirus*</i>	Wongabel virus (WONV)
<i>Ledantevirus</i>	<i>Barur ledantevirus</i>	Barur virus (BARV)
	<i>Fikirini ledantevirus</i>	Fikirini virus (FKRV)
	<i>Fukuoka ledantevirus</i>	Fukuoka virus (FUKV)
	<i>Kanyawara ledantevirus</i>	Kanyawara virus (KYAV)
	<i>Kern Canyon ledantevirus</i>	Kern Canyon virus (KCV)
	<i>Keuraliba ledantevirus</i>	Keuraliba virus (KEUV)
	<i>Kolente ledantevirus</i>	Kolente virus (KOLEV)
	<i>Kumasi ledantevirus</i>	Kumasi rhabdovirus (KRV)
	<i>Le Dantec ledantevirus*</i>	Le Dantec virus (LDV)
	<i>Mount Elgon bat ledantevirus</i>	Mount Elgon bat virus (MEBV)
	<i>Nkolbisson ledantevirus</i>	Nkolbisson virus (NKOV)
	<i>Nishimuro ledantevirus</i>	Nishimuro virus (NISV) ⁸
	<i>Oita ledantevirus</i>	Oita virus (OITAV)
	<i>Wuhan ledantevirus</i>	Wuhan louse fly virus 5 (WLFV-5)
	<i>Yongjia ledantevirus</i>	Yongjia tick virus 2 (YTV-2)
<i>Lyssavirus</i>	<i>Aravan lyssavirus</i>	Aravan virus (ARAV)
	<i>Australian bat lyssavirus</i>	Australian bat lyssavirus (ABLV)
	<i>Bokeloh bat lyssavirus</i>	Bokeloh bat lyssavirus (BBLV)
	<i>Duvenhage lyssavirus</i>	Duvenhage virus (DUVV)

Table 1 (continued)

Genus	Species [¶]	Virus (Abbreviation) [¶]
	<i>European bat 1 lyssavirus</i>	European bat lyssavirus 1 (EBLV-1)
	<i>European bat 2 lyssavirus</i>	European bat lyssavirus 2 (EBLV-2)
	<i>Gannoruwa bat lyssavirus</i>	Gannoruwa bat lyssavirus (GBLV)
	<i>Ikoma lyssavirus</i>	Ikoma lyssavirus (IKOV)
	<i>Irkut lyssavirus</i>	Irkut virus (IRKV)
	<i>Khujand lyssavirus</i>	Khujand virus (KHUV)
	<i>Lagos bat lyssavirus</i>	Lagos bat virus (LBV)
	<i>Lleida bat lyssavirus</i>	Lleida bat lyssavirus (LLEBV)
	<i>Mokola lyssavirus</i>	Mokola virus (MOKV)
	<i>Rabies lyssavirus*</i>	rabies virus (RABV)
	<i>Shimoni bat lyssavirus</i>	Shimoni bat virus (SHIBV)
	<i>West Caucasian bat lyssavirus</i>	West Caucasian bat virus (WCBV)
<i>Novirhabdovirus</i>	<i>Hirame novirhabdovirus</i>	hirame rhabdovirus (HIRV)
	<i>Piscine novirhabdovirus</i>	viral hemorrhagic septicemia virus (VHSV) ⁹
	<i>Salmonid novirhabdovirus*</i>	infectious hematopoietic necrosis virus (IHNV)
	<i>Snakehead novirhabdovirus</i>	snakehead rhabdovirus (SHRV)
<i>Nucleorhabdovirus</i>	<i>Datura yellow vein nucleorhabdovirus</i>	datura yellow vein virus (DYVV)
	<i>Eggplant mottled dwarf nucleorhabdovirus</i>	eggplant mottled dwarf virus (EMDV)
	<i>Maize fine streak nucleorhabdovirus</i>	maize fine streak virus (MSFV)
	<i>Maize Iranian mosaic nucleorhabdovirus</i>	maize Iranian mosaic virus (MIMV)
	<i>Maize mosaic nucleorhabdovirus</i>	maize mosaic virus (MMV)
	<i>Potato yellow dwarf nucleorhabdovirus*</i>	potato yellow dwarf virus (PYDV)
	<i>Rice yellow stunt nucleorhabdovirus</i>	rice yellow stunt virus (RYSV)
		rice transitory yellowing virus (RTYV)
	<i>Sonchus yellow net nucleorhabdovirus</i>	Sonchus yellow net virus (SYNV)
	<i>Sowthistle yellow vein nucleorhabdovirus</i>	sowthistle yellow vein virus (SYVV)
	<i>Taro vein chlorosis nucleorhabdovirus</i>	taro vein chlorosis virus (TaVVCV)
<i>Perhabdovirus</i>	<i>Anguillid perhabdovirus</i>	eel virus European X (EVEX)
	<i>Perch perhabdovirus*</i>	perch rhabdovirus (PRV)
	<i>Sea trout perhabdovirus</i>	lake trout rhabdovirus (LTRV)
<i>Sigmavirus</i>	<i>Drosophila affinis sigmavirus</i>	<i>Drosophila affinis</i> sigmavirus (DAffSV)
	<i>Drosophila ananassae sigmavirus</i>	<i>Drosophila ananassae</i> sigmavirus (DAAnaSV)
	<i>Drosophila immigrans sigmavirus</i>	<i>Drosophila immigrans</i> sigmavirus (DImmSV)
	<i>Drosophila melanogaster sigmavirus*</i>	<i>Drosophila melanogaster</i> sigmavirus (DMelSV)
	<i>Drosophila obscura sigmavirus</i>	<i>Drosophila obscura</i> sigmavirus (DObsSV)
	<i>Drosophila tristis sigmavirus</i>	<i>Drosophila tristis</i> sigmavirus (DTriSV)
	<i>Muscina stabulans sigmavirus</i>	<i>Muscina stabulans</i> sigmavirus (MStabSV)
<i>Sprivivirus</i>	<i>Carp sprivivirus*</i>	spring viremia of carp virus (SVCV)
	<i>Pike fry sprivivirus</i>	grass carp rhabdovirus (GrCRV)
		pike fry rhabdovirus (PFRV)
		tench rhabdovirus (TenRV)
<i>Sripuvirus</i>	<i>Almpiwar sripuvirus</i>	Almpiwar virus (ALMV)
	<i>Chaco sripuvirus</i>	Chaco virus (CHOV)
	<i>Niakha sripuvirus*</i>	Niakha virus (NIAV)
	<i>Sena Madureira sripuvirus</i>	Sena Madureira virus (SMV)
	<i>Sripur sripuvirus</i>	Sripur virus (SRIV)
<i>Tibrovirus</i>	<i>Bas Congo tibrovirus</i>	Bas-Congo virus (BASV)
	<i>Beatrice Hill tibrovirus</i>	Beatrice Hill virus (BHV)
	<i>Coastal Plains tibrovirus</i>	Coastal Plains virus (CPV)
	<i>Ekpoma 1 tibrovirus</i>	Ekpoma virus 1 (EKV-1)

Table 1 (continued)

Genus	Species [¶]	Virus (Abbreviation) [¶]
	<i>Ekpoma 2 tibrovirus</i>	Ekpoma virus 2 (EKV-2)
	<i>Sweetwater Branch tibrovirus</i>	Sweetwater Branch virus (SWBV)
	<i>Tibrogargan tibrovirus</i> *	Bivens Arm virus (BAV)
		Tibrogargan virus (TIBV)
<i>Tupavirus</i>	<i>Durham tupavirus</i> *	Durham virus (DURV)
	<i>Klamath tupavirus</i>	Klamath virus (KLAV)
	<i>Tupaia tupavirus</i>	tupaia virus (TUPV)
<i>Varicosavirus</i>	<i>Lettuce big-vein associated varicosavirus</i> *	lettuce big-vein associated virus (LBVaV) ¹⁰
<i>Vesiculovirus</i>	<i>Alagoas vesiculovirus</i>	vesicular stomatitis Alagoas virus (VSAV)
	<i>American bat vesiculovirus</i>	American bat vesiculovirus (ABVV)
	<i>Carajas vesiculovirus</i>	Carajas virus (CJSV)
	<i>Chandipura vesiculovirus</i>	Chandipura virus (CHPV)
	<i>Cocal vesiculovirus</i>	Cocal virus (COCV)
	<i>Indiana vesiculovirus</i> *	vesicular stomatitis Indiana virus (VSIV)
	<i>Isfahan vesiculovirus</i>	Isfahan virus (ISFV)
	<i>Jurona vesiculovirus</i>	Jurona virus (JURV)
	<i>Malpais Spring vesiculovirus</i>	Malpais Spring virus (MSPV)
	<i>Maraba vesiculovirus</i>	Maraba virus (MARAV)
	<i>Morreton vesiculovirus</i>	Morreton virus (MORV)
	<i>New Jersey vesiculovirus</i>	vesicular stomatitis New Jersey virus (VSNJV)
	<i>Perinet vesiculovirus</i>	Perinet virus (PERV)
	<i>Piry vesiculovirus</i>	Piry virus (PIRYV)
	<i>Radi vesiculovirus</i>	Radi virus (RADV)
	<i>Yug Bogdanovac vesiculovirus</i>	Yug Bogdanovac virus (YBV)
Unassigned	<i>Moussa virus</i>	Moussa virus (MOUV)
Family Sunviridae		
<i>Sunshinevirus</i>	<i>Reptile sunshinevirus 1</i> *	Sunshine Coast virus (SunCV)
Family Ximoviridae		
<i>Anphevirus</i>	<i>Bolahun anphevirus</i>	Bolahun virus (BLHV)
		Gambie virus (GAMV)
	<i>Dipteran anphevirus</i>	Húběi diptera virus 11 (HbDV-11)
	<i>Drosophilid anphevirus</i>	Drosophila unispina virus 1 (DuniV-1)
	<i>Odonate anphevirus</i>	Húběi rhabdo-like virus 7 (HbRLV-7)
	<i>Orthopteran anphevirus</i>	Húběi orthoptera virus 5 (HbOV-5)
	<i>Shuangao anphevirus</i>	Shuāngào fly virus 2 (SgFV-2)
	<i>Xincheng anphevirus</i> *	Xīnchéng mosquito virus (XcMV)

*Asterisks denote type species

¹Includes Newcastle disease virus (NDV) and pigeon paramyxovirus 1 (PPMV-1)

²synonym: GH-M74a virus, Kumasi virus (KV)

³synonym: murine parainfluenza virus 1

⁴synonym: bat paramyxovirus

⁵synonym: simian virus 5

⁶synonym: porcine rubulavirus

⁷synonyms: avian pneumovirus, turkey rhinotracheitis virus

⁸synonym: wild boar rhabdovirus 1 (WBRV1)

⁹synonyms: Egtved virus, Paralichthys olivaceus rhabdovirus

¹⁰synonym: tobacco stunt virus

[¶]Please note that viruses are real objects that are assigned to concepts that are called taxa. Species, genera, families, and orders are taxa. Taxon names are always italicized and always begin with a capital letter. Virus names, on the other hand, 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

Summary

A summary of the current, ICTV-accepted taxonomy of the order *Mononegavirales* is presented in Table 1.

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Compliance with ethical standards

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