Supplementary information to: Classify viruses — the gain is worth the pain

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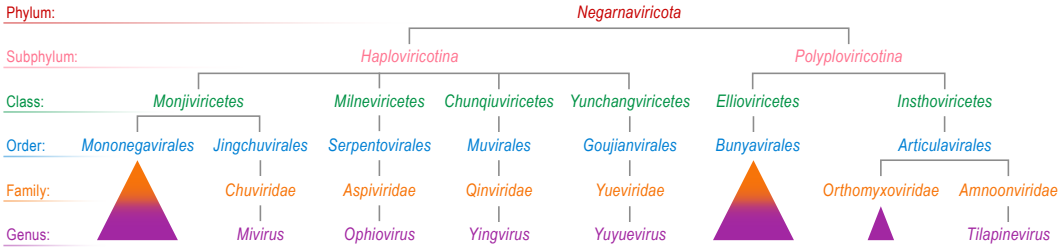
Supplementary Figure 1



2019 TAXONOMY OF NEGATIVE-SENSE RNA VIRUSES (REALM *Riboviria*, PHYLUM *Negarnaviricota*)

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Negarnaviricota

Haploviricotina

Chunqiuviricetes

Muvirales

Qinviridae
- **Yingvirus**
  - *Beihai yingvirus* — Bêihāi sesarmid crab virus 4 (BhSCV-4)
  - *Charybdis yingvirus* — Wēnzhōu qīnyōu-like virus 2 (WzQLV-2)
  - *Hubei yingvirus* — Hubēi qīnyōu-like virus 1 (HbQLV-1)
  - *Sanxia yingvirus* — Sānxiá qīnyōu-like virus 1 (SxQLV-1)
  - *Shahe yingvirus* — Shāhé qīnyōu-like virus 1 (ShQLV-1)
  - *Wenzhou yingvirus* — Wēnzhōu qīnyōu-like virus 1 (WzQLV-1)
  - *Wuhan yingvirus** — Wǔhàn insect virus 15 (WHV-15)
  - *Xinzhou yingvirus* — Xīnzhōu nematode virus 3 (XzNV-3)

Milneviricetes

Serpentovirales

Aspiviridae
- **Ophiovirus**
  - *Blueberry mosaic associated ophiovirus* — blueberry mosaic associated virus (BMaV)
  - *Citrus psorosis ophiovirus** — citrus psorosis virus (CPsV)
  - *Freesia sneak ophiovirus* — freesia sneak virus (FreSV)
  - *Lettuce ring necrosis ophiovirus* — lettuce ring necrosis virus (LRNV)
  - *Mirafiori lettuce big-vein ophiovirus* — Mirafiori lettuce big-vein virus (MLBVV)
  - *Ranunculus white mottle ophiovirus* — ranunculus white mottle virus (RWMV)
  - *Tulip mild mottle mosaic ophiovirus* — tulip mild mottle mosaic virus (TMMMV)

Yunchangviricetes

Goujianvirales

Yueviridae
- **Yuyuevirus**
  - *Beihai yuyuevirus** — Bêihǎi sesarmid crab virus 3 (BhSCV-3)
  - *Shahe yuyuevirus* — Shāhé yuèyǔ-like virus 1 (SHYLV-1)

Jingchuvirales

Chuviridae
- **Mivirus**
  - *Argas mivirus* — Tǎchéng tick virus 4 (TtCV-4)
  - *Barnacle mivirus** — Bēihǎi barnacle virus 9 (BhBV-9)
  - *Beéle mivirus* — Hubēi coleoptera virus 3 (HbCV-3)
  - *Bole mivirus* — Bólè tick virus 3 (BTV-3)
  - *Brunnich mivirus* — Wēnlǐng crustacean virus 14 (WlCV-14)
  - *Changping mivirus* — Chāngpíng tick virus 2 (CpTV-2)
  - *Charybdis mivirus* — Wēnzhōu crab virus 3 (WzCV-3)
  - *Cockroach mivirus* — Wúcháng cockroach virus 3 (WuLFV-3)
  - *Crab mivirus* — Wēnzhōu crab virus 2 (WzCV-2)
  - *Crustacean mivirus* — Wēnlǐng crustacean virus 13 (WlCV-13)
  - *Dermacentor mivirus* — Chāngpíng tick virus 3 (CpTV-3)
  - *Hermit mivirus* — Tǎchéng tick virus 5 (TtCV-5)
  - *Hermit mivirus* — Bêihǎi hermit crab virus 3 (BhHCV-3)
  - *Hippoboscid mivirus* — Wǔhàn louse fly virus 7 (WhLFV-7)
  - *Hubei mivirus* — Hubēi chironomid virus 1 (HbCLV-1)
  - *Hubei odonate mivirus* — Hubēi chōnzhōu-like virus 3 (HbCLV-3)
  - *Imjin mivirus* — Imjin River virus 1 (IjRV-1)
  - *Lacewing mivirus* — Shuāngzhōu insect virus 5 (SgIV-5)
  - *Lishi mivirus* — Lishi spider virus 1 (LsSV-1)
  - *Lonestar mivirus* — lone star tick chuàn virus 1 (LSTCV-1)
  - *Louse fly mivirus* — Wǔhàn louse fly virus 6 (WhLFV-6)
  - *Mosquito mivirus* — Wǔhàn mosquito virus 8 (WHMV-8)
  - *Myriapod mivirus* — Hubēi myriapoda virus 8 (HbMV-8)
  - *Odonate mivirus* — Hubēi odonate virus 11 (HbOV-11)
  - *Sanxia mivirus* — Sānxiá ahytè shrimp virus 4 (SxASC-4)
  - *Shayang mivirus* — Shāyáng fly virus 1 (SyFV-1)
  - *Suffolk mivirus* — Suffolk virus (SFKV)
  - *Wenling mivirus* — Wēnlǐng crustacean virus 15 (WlCV-15)
  - *Wuhan mivirus* — Wǔhàn tick virus 2 (WhTV-2)
  - *Xinzhou mivirus* — Xīnzhōu nematode virus 5 (XzNV-5)

Monjiviricetes

Mononegavirales

Filoviridae
- **Cuevavirus**
  - *Lloviu cuevavirus** — Lloviu virus (LLOV)
- **Ebolavirus**
  - *Bundibugyo ebolavirus* — Bundibugyo virus (BDBV)
  - *Reston ebolavirus* — Reston virus (RESTV)
  - *Sudan ebolavirus* — Sudan virus (SUDV)
  - *Taï Forest ebolavirus* — Taï Forest virus (TAFV)
  - *Zaire ebolavirus** — Ebola virus (EBOV)
- **Marburgvirus**
  - *Marburg marburgvirus** — Marburg virus (MARV)
  - Ravn virus (RAVV)
- **Striavirus**
  - *Xiliang striavirus** — Xiliáng virus (XILV)
- **Thamnovirus**
  - *Huangjiao thamnovirus** — Huángjiāo virus (HLJV)

Lispiviridae
- **Arlivirus**
  - *Gerrid arlivirus* — Sānxiá water strider virus 4 (SwWSV-4)
  - *Hubei arlivirus* — Hubēi rhabdo-like virus 3 (HbRLV-3)
  - *Lishi arlivirus** — Lishi spider virus 2 (LsSV-2)
  - *Odonate arlivirus* — Hubēi odonate virus 10 (HbOV-10)
  - *Tacheng arlivirus* — Tǎchéng tick virus 6 (TtCV-6)
  - *Wuchang arlivirus* — Wúchāng comanpomermis nematode virus 2 (WuRNV-2)

Mymonaviridae
- **Sclerotimonavirus**
  - *Dodou sclerotimonavirus* — soybean leaf-associated negative-sensed RNA virus 3 (SLaNSRV-3)
  - *Drop sclerotimonavirus* — Sclerotinia sclerotiorum negative-stranded RNA virus 2 (SsNSRV-2) / Sclerotinia sclerotiorum negative-stranded RNA virus 4 (SsNSRV-4)
  - *Glycine sclerotimonavirus* — Fusarium graminearum negative-stranded RNA virus 1 (FgNSRV-1) / soybean leaf-associated negative-stranded RNA virus 4 (SLaNSRV-4)
  - *Hubei sclerotimonavirus* — Hubēi rhabdo-like virus 4 (HbRLV-4)
  - *Illinois sclerotimonavirus* — soybean leaf-associated negative-stranded RNA virus 2 (SLaNSRV-2)
  - *Phyllosphere sclerotimonavirus* — soybean leaf-associated negative-stranded RNA virus 4 (SLaNSRV-4)
  - *Sclerotinia sclerotimonavirus* — Sclerotinia sclerotiorum negative-stranded RNA virus 1 (SsNSRV-1) / Sclerotinia sclerotiorum negative-stranded RNA virus 3 (SsNSRV-3)

Nyamiviridae
- **Berhavirus**
  - *Bêihǎi berhavirus* — Bêihǎi rhabdo-like virus 4 (BhRLV-4)
  - *Bêihǎi berhavirus* — Bêihǎi rhabdo-like virus 5 (BhRLV-5)
  - *Sipunculid berhavirus** — Bêihǎi rhabdo-like virus 3 (BhRLV-3)
- **Crustavirus**
  - *Bêihǎi crustavirus* — Bêihǎi rhabdo-like virus 6 (BhRLV-6)
  - *Wenling crustavirus* — Wēnlǐng crustacean virus 12 (WlCV-12)
  - *Wenzhou crustavirus** — Wēnzhōu crab virus 1 (WzCV-1)
- **Nyavirus**
  - *Midway nyavirus* — Midway virus (MDWV)
  - *Nyamanini nyavirus** — Nyamanini virus (NVMV)
  - *Sierra Nevada nyavirus* — Sierra Nevada virus (SNVV)
- **Orivirus**
  - *Orinoco orivirus** — Orinoco virus (ORCV)
- **Socyvirus**
  - *Soybean cyst nematode socyvirus** — soybean cyst nematode virus 1 (SSCNV-1)
- **Tapwovirus**
  - *Tapeworm tapwovirus** — Wēnzhōu tapeworm virus 1 (WzTWV-1)

Paramyxoviridae
- **Avulavirinae**
  - **Metaavulavirus**
    - *Avian metaavulavirus 2** — avian paramyxovirus 2 (APMV-2)
    - *Avian metaavulavirus 5* — avian paramyxovirus 5 (APMV-5)
    - *Avian metaavulavirus 6* — avian paramyxovirus 6 (APMV-6)
    - *Avian metaavulavirus 7* — avian paramyxovirus 7 (APMV-7)
    - *Avian metaavulavirus 8* — avian paramyxovirus 8 (APMV-8)
    - *Avian metaavulavirus 10* — avian paramyxovirus 10 (APMV-10)
    - *Avian metaavulavirus 11* — avian paramyxovirus 11 (APMV-11)
    - *Avian metaavulavirus 14* — avian paramyxovirus 14 (APMV-14)
    - *Avian metaavulavirus 15* — avian paramyxovirus 15 (APMV-15)
    - *Avian metaavulavirus 20* — avian paramyxovirus 20 (APMV-20)
  - **Orthoavulavirus**
    - *Avian orthoavulavirus 1** — avian paramyxovirus 1 (APMV-1)*
    - *Avian orthoavulavirus 9* — avian paramyxovirus 9 (APMV-9)
    - *Avian orthoavulavirus 12* — avian paramyxovirus 12 (APMV-12)
    - *Avian orthoavulavirus 13* — avian paramyxovirus 13 (APMV-13)
    - *Avian orthoavulavirus 16* — avian paramyxovirus 16 (APMV-16)
    - *Avian orthoavulavirus 17* — Antarctic penguin virus A (APV-A)
    - *Avian orthoavulavirus 18* — Antarctic penguin virus B (APV-B)
    - *Avian orthoavulavirus 19* — Antarctic penguin virus C (APV-C)
  - **Paraavulavirus**
    - *Avian paraavulavirus 3.** — avian paramyxovirus 3 (APMV-3)
    - *Avian paraavulavirus 4* — avian paramyxovirus 4 (APMV-4)
  - **Metaparamyxovirinae**
    - **Synodonvirus**
      - *Synodus synodonvirus** — Wēnlǐng triplecross lizardfish paramyxovirus (WTLPV)
  - **Orthoparamyxovirinae**
    - **Aquaparamyxovirus**
      - *Salmon aquaparamyxovirus** — Atlantic salmon paramyxovirus (AsaPV)
    - **Ferlavirus**
      - *Reptilian ferlavirus** — fer-de-lance virus (FDLV)
    - **Henipavirus**
      - *Cedar henipavirus* — Cedar virus (CedV)
      - *Ghanaian bat henipavirus* — Ghana virus (GhV)
      - *Hendra henipavirus** — Hendra virus (HeV)
      - *Mojiang henipavirus* — Mòjiāng virus (MojV)
      - *Nipah henipavirus* — Nipah virus (NiV)
    - **Jeilongvirus**
      - *Beilong jeilongvirus** — Beilòng virus (BelV)
      - *Jun jeilongvirus* — J-virus (JV)
      - *Lophuromys jeilongvirus 1* — Mount Mabu Lophuromys virus 1 (MMLV-1)
      - *Lophuromys jeilongvirus 2* — Mount Mabu Lophuromys virus 2 (MMLV-2)
      - *Myodes jeilongvirus* — Pohorje Myodes paramyxovirus 1 (PMPV-1)
      - *Tailam jeilongvirus* — Tailam virus (TlaV)
    - **Morbillivirus**
      - *Canine morbillivirus* — canine distemper virus (CDV)
      - *Cetacean morbillivirus* — cetacean morbillivirus (CeMV)
      - *Feline morbillivirus* — feline morbillivirus (FeMV)
      - *Measles morbillivirus** — measles virus (MeV)
      - *Phocine morbillivirus* — phocine distemper virus (PDV)
      - *Rinderpest morbillivirus* — rinderpest virus (RPV)
      - *Small ruminant morbillivirus* — peste des petits ruminants virus (PPRV)
    - **Narmovirus**
      - *Mossman narmovirus* — Mossman virus (MosV)
      - *Myodes narmovirus* — bank vole virus 1 (BaV-1)
      - *Nariva narmovirus** — Nariva virus (NarV)
      - *Tupaia narmovirus* — Tupaia paramyxovirus (TupV)
    - **Respirovirus**
      - *Bovine respirovirus 3* — bovine parainfluenza virus 3 (BPIV-3)
      - *Caprine respirovirus 3* — caprine parainfluenzavirus 3 (CPIV-3)
      - *Human respirovirus 1* — human parainfluenza virus 1 (HPIV-1)
      - *Human respirovirus 3* — human parainfluenza virus 3 (HPIV-3)
      - *Murine respirovirus** — Sendai virus (SeV)
      - *Porcine respirovirus 1* — porcine parainfluenza virus 1 (PPIV-1)
    - **Salemvirus**
      - *Salem salemvirus** — Salem virus (SalV)
    - **Rubulavirinae**
      - **Orthorubulavirus**
        - *Bat mumps orthorubulavirus* — bat mumps virus (BMV)*
        - *Human orthorubulavirus 2* — human parainfluenza virus 2 (HPIV-2)
        - *Human orthorubulavirus 4* — human parainfluenza virus 4a (HPIV-4a) / human parainfluenza virus 4b (HPIV-4b)
        - *Mammalian orthorubulavirus 5* — parainfluenza virus 5 (PIV-5)*
        - *Mapuera orthorubulavirus* — Mapuera virus (MapV)
        - *Mumps orthorubulavirus** — mumps virus (MuV)
        - *Porcine orthorubulavirus* — La Piedad Michoacán Mexico virus (LPMV)*
        - *Simian orthorubulavirus* — simian virus 41 (SV-41)
      - **Pararubulavirus**
        - *Achimota pararubulavirus 1* — Achimota virus 1 (APV-1)
        - *Achimota pararubulavirus 2* — Achimota virus 2 (APV-2)
        - *Menangle pararubulavirus** — Menangle virus (MenPV)
        - *Sosuga pararubulavirus* — Sosuga virus (SosV)
        - *Teviot pararubulavirus* — Teviot virus (TeoPV)
        - *Tioman pararubulavirus* — Tioman virus (TioPV)
        - *Tuhoko pararubulavirus 1* — Tuhoko virus 1 (THdPV-1)
        - *Tuhoko pararubulavirus 2* — Tuhoko virus 2 (THdPV-2)
        - *Tuhoko pararubulavirus 3* — Tuhoko virus 3 (THdPV-3)
      - **Unassigned**
        - *Cynoglossus paramyxovirus* — Wēnlǐng tongue sole paramyxovirus (WTSPV)
    - *Hoplichthys paramyxovirus* — Wēnlǐng hoplichthys paramyxovirus (WHPV)
    - *Scoliodon paramyxovirus* — Wēnzhōu pacific spadenose shark paramyxovirus (WPSSPV)
  - **Pneumoviridae**
    - **Metapneumovirus**
      - *Avian metapneumovirus** — avian metapneumovirus (AMPV)*
      - *Human metapneumovirus* — human metapneumovirus (HMPV)
    - **Orthopneumovirus**
      - *Bovine orthopneumovirus* — bovine respiratory syncytial virus (BRSV)
      - *Human orthopneumovirus** — human respiratory syncytial virus (HRSV)
      - *Murine orthopneumovirus* — murine pneumonia virus (MPV)
  - **Rhabdoviridae**
    - **Almendravirus**
      - *Arboretum almendravirus* — Arboretum virus (ABTV)
      - *Balsa almendravirus* — Balsa virus (BALV)
      - *Coot Bay almendravirus* — Coot Bay virus (CBV)
      - *Puerto Almendras almendravirus** — Puerto Almendras virus (PTAMV)
      - *Rio Chico almendravirus* — Rio Chico virus (RCHV)
    - **Alphanemrhavirus**
      - *Xingshan alphanemrhavirus** — Xīngshān nematode virus 4 (XsNV-4)
      - *Xinzhou alphanemrhavirus* — Xīnzhōu nematode virus 4 (XzNV-4)
    - **Caligrhavirus**
      - *Caligus caligrhavirus* — Caligus rogercresseyi rhabdovirus (CRogRV)
      - *Lepeophtheirus caligrhavirus** — Lepeophtheirus salmonis rhabdovirus 127 (LSalRV-127)
      - *Salmonsause caligrhavirus* — Lepeophtheirus salmonis rhabdovirus 9 (LSalRV-9)
    - **Curiovirus**
      - *Curionopolis curiovirus** — Curionopolis virus (CURV)
      - *Iriri curiovirus* — Iriri virus (IRIRV)
      - *Itacaiunas curiovirus* — Itacaiunas virus (ITAV)
      - *Rochambeau curiovirus* — Rochambeau virus (RBLV)
    - **Cytorhabdovirus**
      - *Alfalfa dwarf cytorhabdovirus* — alfalfa dwarf virus (ADV)
      - *Barley yellow striate mosaic cytorhabdovirus* — barley yellow striate mosaic virus (BYSMV)
      - *Broccoli necrotic yellows cytorhabdovirus* — broccoli necrotic yellows virus (BNYV)
      - *Colocasia bobone disease-associated cytorhabdovirus* — Colocasia bobone disease-associated virus (CBDaV)
      - *Festuca leaf streak cytorhabdovirus* — Festuca leaf streak virus (FLSV)
      - *Lettuce necrotic yellows cytorhabdovirus** — lettuce necrotic yellows virus (LNYV)
      - *Lettuce yellow mottle cytorhabdovirus* — lettuce yellow mottle virus (LYMoV)
      - *Northern cereal mosaic cytorhabdovirus* — northern cereal mosaic virus (NCMV)
      - *Sonchus cytorhabdovirus 1* — Sonchus virus (SonV)
      - *Strawberry crinkle cytorhabdovirus* — strawberry crinkle virus (SCV)
      - *Wheat American striate mosaic cytorhabdovirus* — wheat American striate mosaic virus (WASMV)
    - **Dichorhavirus**
      - *Citrus chlorotic spot dichorhavirus* — citrus chlorotic spot virus (CICSV)
      - *Citrus leprosis N dichorhavirus* — citrus leprosis virus N (CiLV-N)*
      - *Clerodendrum chlorotic spot dichorhavirus* — clerodendrum chlorotic spot virus (CICSV)
      - *Coffee ringspot dichorhavirus* — coffee ringspot virus (CoRSV)
      - *Orchid fleck dichorhavirus** — orchid fleck virus (OFV)
    - **Ephemerovirus**
      - *Adelaide River ephemerovirus* — Adelaide River virus (ARV)
      - *Berrimah ephemerovirus* — Berrimah virus (BRMV)
      - *Bovine fever ephemerovirus** — bovine ephemeral fever virus (BEFV)
      - *Kimberley ephemerovirus* — Kimberley virus (KMV)
      - *Malakal virus (MAV)*
      - *Koolpinyah ephemerovirus* — Koolpinyah virus (KOOLV)
      - *Kotonkan ephemerovirus* — kotonkan virus (KOTV)
      - *Obodhiang ephemerovirus* — Obodhiang virus (OBOV)
      - *Yata ephemerovirus* — Yata virus (YATV)
    - **Hapavirus**
      - *Flanders hapavirus* — Flanders virus (FLAV)
      - *Gray Lodge hapavirus* — Gray Lodge virus (GLOV)
      - *Hart Park hapavirus* — Hart Park virus (HPV)
      - *Joinjakaka hapavirus* — Jonjjakaka virus (JJOV)
      - *Kamese hapavirus* — Kamese virus (KAMV)
      - *La Joya hapavirus* — La Joya virus (LJV)
      - *Landjia hapavirus* — Landjia virus (LANV = LJAV)
      - *Manitoba hapavirus* — Manitoba virus (MANV = MNTBV)
      - *Marco hapavirus* — Marco virus (MCOV)
    - *Mosqueiro hapavirus* — Mosqueiro virus (MQOV)
    - *Mossuril hapavirus* — Mossuril virus (MOSV)
    - *Ngaingan hapavirus* — Ngaingan virus (NGAV)
    - *Ord River hapavirus* — Ord River virus (ORV)
    - *Parry Creek hapavirus* — Parry Creek virus (PCV)
    - *Wongabel hapavirus** — Wongabel virus (WONV)
    - **Ledantevirus**
      - *Barur ledantevirus* — Barur virus (BARV)
      - *Fikirini ledantevirus* — Fikirini virus (FKRV)
      - *Fukouko ledantevirus* — Fukouko virus (FLAV)
      - *Kanyawara ledantevirus* — Kanyawara virus (KVRV)
      - *Kern Canyon ledantevirus* — Kern Canyon virus (KCV)
      - *Keuraliba ledantevirus* — Keuraliba virus (WEUV)
      - *Kolente ledantevirus* — Kolente virus (KOLEV)
      - *Kumasi ledantevirus* — Kumasi rhabdovirus (KRV)
      - *Le Dantec ledantevirus** — Le Dantec virus (LDV)
      - *Mount Elgon bat ledantevirus* — Mount Elgon bat virus (MEBV)
      - *Nishimuro ledantevirus* — Nishimuro virus (NISV)*
      - *Nkolbisson ledantevirus* — Nkolbisson virus (NKOV)
      - *Oita ledantevirus* — Oita virus (OITAV)
      - *Vaprio ledantevirus* — Vaprio virus (VAPV)
      - *Wuhan ledantevirus* — Wǔhàn louse fly virus 5 (WLFV-5)
      - *Yongjia ledantevirus* — Yongjiā tick virus 2 (YTV-2)
    - **Lyssavirus**
      - *Aravan lyssavirus* — Aravan virus (ARAV)
      - *Australian bat lyssavirus* — Australian bat lyssavirus (ABLV)
      - *Bokeloh bat lyssavirus* — Bokeloh bat lyssavirus (BBLV)
      - *Duvenhage lyssavirus* — Duvenhage virus (DUVV)
      - *European bat 1 lyssavirus* — European bat lyssavirus 1 (EBLV-1)
      - *European bat 2 lyssavirus* — European bat lyssavirus 2 (EBLV-2)
      - *Gannorusa bat lyssavirus* — Gannorusa bat lyssavirus (GBLV)
      - *Ikoma lyssavirus* — Ikoma lyssavirus (IKOV)
      - *Irkut lyssavirus* — Irkut virus (IRKV)
      - *Khujand lyssavirus* — Khujand virus (KHUV)
      - *Lagos bat lyssavirus* — Lagos bat virus (LBV)
      - *Lleida bat lyssavirus* — Lleida bat lyssavirus (LLEBV)
      - *Mokola lyssavirus* — Mokola virus (MOKV)
      - *Rabies lyssavirus** — rabies virus (RABV)
      - *Shimoni bat lyssavirus* — Shimoni bat virus (SHBV)
      - *West Caucasian bat lyssavirus* — West Caucasian bat virus (WCBV)
    - **Novirhabdovirus**
      - *Hirame novirhabdovirus* — hirame rhabdovirus (HRAV)
      - *Piscine novirhabdovirus* — viral hemorrhagic septicemia virus (VHSV)*
      - *Salmonid novirhabdovirus** — infectious hematopoietic necrosis virus (IHNV)
      - *Snakehead novirhabdovirus* — snakehead rhabdovirus (SHRV)
    - **Nucleorhabdovirus**
      - *Datura yellow vein nucleorhabdovirus* — datura yellow vein virus (DYVV)
      - *Eggplant mottled dwarf nucleorhabdovirus* — eggplant mottled dwarf virus (EMDV)
      - *Maize fine streak nucleorhabdovirus* — maize fine streak virus (MSFV)
      - *Maize Iranian mosaic nucleorhabdovirus* — maize Iranian mosaic virus (MIMV)
      - *Maize mosaic nucleorhabdovirus* — maize mosaic virus (MMV)
      - *Potato yellow dwarf nucleorhabdovirus** — potato yellow dwarf virus (PYDV)
      - *Rice yellow stunt nucleorhabdovirus* — rice yellow stunt virus (RYSV)
      - *Sonchus yellow net nucleorhabdovirus* — Sonchus yellow net virus (SYNV)
      - *Sowthistle yellow vein nucleorhabdovirus* — sowthistle yellow vein virus (SYVV)
      - *Taro vein chlorosis nucleorhabdovirus* — taro vein chlorosis virus (TaVCV)
    - **Perhabdovirus**
      - *Anguillid perhabdovirus* — eel virus European X (EVEX)
      - *Perch perhabdovirus** — perch rhabdovirus (PRV)
      - *Sea trout perhabdovirus* — lake trout rhabdovirus (LTRV)
    - **Sigmavirus**
      - *Drosophila affinis sigmavirus* — Drosophila affinis sigmavirus (DAfSV)
      - *Drosophila ananassae sigmavirus* — Drosophila ananassae sigmavirus (DAnaSV)
      - *Drosophila immigrans sigmavirus* — Drosophila immigrans sigmavirus (DImmSV)
      - *Drosophila melanogaster sigmavirus*[a] — Drosophila melanogaster sigmavirus (DMelSV)
      - *Drosophila obscura sigmavirus* — Drosophila obscura sigmavirus (DObsSV)
      - *Drosophila tristis sigmavirus* — Drosophila tristis sigmavirus (DTISV)
      - *Muscina stabulans sigmavirus* — Muscina stabulans sigmavirus (MStaSV)
    - *Sprivivirus*
      - *Carp sprivivirus** — spring viremia of carp virus (SVCV)
      - *Pike fry sprivivirus* — grass carp rhabdovirus (GCRV) / pike fry rhabdovirus (PFRV) / tench rhabdovirus (TenRV)
    - *Sripuvirus*
      - *Almpiwar sripuvirus* — Almpiwar virus (ALMV)
      - *Chaco sripuvirus* — Chaco virus (CHOV)
      - *Niakha sripuvirus** — Niakha virus (NIAV)
      - *Sena Madureira sripuvirus* — Sena Madureira virus (SMV)
      - *Sripur sripuvirus* — Sripur virus (SRIV)
    - *Tibrovirus*
      - *Bas Congo tibrovirus* — Bas-Congo virus (BASV)
      - *Beatrice Hill tibrovirus* — Beatrice Hill virus (BHV)
      - *Coastal Plains tibrovirus* — Coastal Plains virus (CPV)
      - *Ekpoma 1 tibrovirus* — Ekpoma virus 1 (EKV-1)
      - *Ekpoma 2 tibrovirus* — Ekpoma virus 2 (EKV-2)
      - *Sweetwater Branch tibrovirus* — Sweetwater Branch virus (SWBV)
      - *Tibrogargan tibrovirus** — Bivens Arm virus (BAV) / Tibrogargan virus (TIBV)
    - *Tupavirus*
      - *Durham tupavirus** — Durham virus (DURV)
      - *Klamath tupavirus* — Klamath virus (KLAV)
      - *Tupaia tupavirus* — tupaia virus (TUPV)
    - *Varicosavirus*
      - *Lettuce big-vein associated varicosavirus** — lettuce big-vein associated virus (LBVaV)[b]
    - *Vesiculovirus*
      - *Alagoas vesiculovirus* — vesicular stomatitis Alagoas virus (VSAV)
      - *American bat vesiculovirus* — American bat vesiculovirus (ABVV)
      - *Carajas vesiculovirus* — Carajás virus (CJSV)
      - *Chandipura vesiculovirus* — Chandipura virus (CHPV)
      - *Cocal vesiculovirus* — Cocal virus (COCV)
      - *Indiana vesiculovirus** — vesicular stomatitis Indiana virus (VSIV)
      - *Isfahan vesiculovirus* — Isfahan virus (ISFV)
      - *Jurona vesiculovirus* — Jurona virus (JURV)
      - *Malpais Spring vesiculovirus* — Malpais Spring virus (MSPV)
      - *Maraba vesiculovirus* — Maraba virus (MARAV)
      - *Morreton vesiculovirus* — Morreton virus (MORV)
      - *New Jersey vesiculovirus* — vesicular stomatitis New Jersey virus (VSNJV)
      - *Perinet vesiculovirus* — Perinet virus (PERV)
      - *Piry vesiculovirus* — Piry virus (PIRV)
      - *Radi vesiculovirus* — Radi virus (RADV)
      - *Yug Bogdanovac vesiculovirus* — Yug Bogdanovac virus (YBV)
    - **Unassigned**
      - *Mousa virus* — Mousa virus (MOUV)
  - **Sunviridae**
    - **Sunshinevirus**
      - *Reptile sunshinevirus 1** — Sunshine virus (SunV)
  - **Xinmoviridae**
    - **Anphevirus**
      - *Bolahun anphevirus* — Bolahun virus (BLHV)
      - Gambie virus (GAMV)
      - *Dipteran anphevirus* — Hubēi dípteru virus 11 (HbDV-11)
      - *Drosophila anphevirus* — Drosophila unipinna virus 1 (DunV-1)
      - *Odonate anphevirus* — Hubēi rhabdo-like virus 7 (HbRLV-7)
      - *Orthopteran anphevirus* — Hubēi orthoptera virus 5 (HbOV-5)
      - *Shuangao anphevirus* — Shuāngāo fly virus 2 (SgFV-2)
      - *Xincheng anphevirus** — Xīnchéng mosquito virus (XcMV)

> [1] Includes Newcastle disease virus (NDV) and pigeon paramyxovirus 1 (PPMV-1)
>
> [2] synonym: GH-M74a virus, Kumasi virus (KV)
>
> [3] synonym: murine parainfluenza virus 1
>
> [4] synonym: bat paramyxovirus
>
> [5] synonym: simian virus 5
>
> [6] synonym: porcine rubulavirus
>
> [7] synonym: avian pneumovirus, turkey rhinotracheitis virus
>
> [8] synonym: citrus leprosis virus nuclear type, citrus necrotic spot virus
>
> [9] synonym: wild boar rhabdovirus 1 (WBRV1)
>
> [10] synonyms: Egtved virus, Paralichthys olivaceus rhabdovirus
>
> [11] synonym: tobacco stunt virus

Polyploviricotina

Ellioviricetes

Bunyavirales

Arenaviridae
- **Antennavirus**
  - *Hairy antennavirus* — Wēnlǐng finaglish arenavirus 2 (WlFAV-2)
  - *Striated antennavirus** — Wēnlǐng finaglish arenavirus 1 (WlFAV-1)
- **Hartmanivirus**
  - *Haartman hartmanivirus** — Haartman Institute snake virus 1 (HHSV-1)
- **Mammarenavirus**
  - *Allpahuayo mammarenavirus* — Allpahuayo virus (ALLV)
  - *Argentinian mammarenavirus* — Junín virus (JUNV)
  - *Bear Canyon mammarenavirus* — Bear Canyon virus (BCV)
  - *Brazilian mammarenavirus* — Sabiá virus (SBAV)
  - *Cali mammarenavirus* — Pichindé virus (PICHV)
  - *Chapare mammarenavirus* — Chapare virus (CHAPV)
  - *Cupixi mammarenavirus* — Cupixi virus (CUPXV)
  - *Flexal mammarenavirus* — Flexal virus (FLEV)
  - *Gairo mammarenavirus* — Gairo virus (GAIV)
  - *Guanarito mammarenavirus* — Guanarito virus (GTOV)
  - *Ippy mammarenavirus* — Ippy virus (IPPYV)
  - *Lassa mammarenavirus* — Lassa virus (LASV)
  - *Latino mammarenavirus* — Latino virus (LATV)
  - *Loei River mammarenavirus* — Loei River virus (LORV)
  - *Lujo mammarenavirus* — Lujo virus (LUJV)
  - *Luna mammarenavirus* — Luli virus (LULV) / Luna virus (LUNV)
  - *Lunk mammarenavirus* — Lunk virus (LNKV)
  - *Lymphocytic choriomeningitis mammarenavirus** — Dandenong virus (DANV) / lymphocytic choriomeningitis virus (LCMV)
  - *Machupo mammarenavirus* — Machupo virus (MACV)
  - *Mariental mammarenavirus* — Mariental virus (MRLV)
  - *Merino Walk mammarenavirus* — Merino Walk virus (MRWV)
  - *Mobala mammarenavirus* — Mobala virus (MOBV)
  - *Mopeia mammarenavirus* — Mopeia virus (MPOV) / Morogoro virus (MORV)
  - *Okahandja mammarenavirus* — Okahandja virus (OKAV)
  - *Oliveros mammarenavirus* — Oliveros virus (OLIV)
  - *Paraguayan mammarenavirus* — Paraná virus (PARV)
  - *Pirital mammarenavirus* — Pirital virus (PIRV)
  - *Ryukyu mammarenavirus* — Ryukyu virus (RYKV)
  - *Serra do Navio mammarenavirus* — Amapari virus (AMAV)
  - *Sabeyá mammarenavirus* — Sabeyá virus (SDOV)
  - *Souris mammarenavirus* — souris virus (SOUV)
  - *Tacaribe mammarenavirus* — Tacaribe virus (TCRV)
  - *Tamiami mammarenavirus* — Tamiami virus (TMMV)
  - *Wenzhou mammarenavirus* — Wēnzhōu virus (WENV)
  - *Whitewater Arroyo mammarenavirus* — Big Brushy Tank virus (BBRTV) / Catarina virus (CTNV) / Skinner Tank virus (SKTV) / Tonto Creek virus (TTCV) / Whitewater Arroyo virus (WWAV)
- **Reptarenavirus**
  - *California reptarenavirus* — CAS virus (CASV)
  - *Giessen reptarenavirus* — University of Giessen virus 1 (UGV-1) / University of Giessen virus 2 (UGV-2) / University of Giessen virus 3 (UGV-3)
  - *Golden reptarenavirus** — Golden Gate virus (GGGV)
  - *Ordinary reptarenavirus* — tavallinen suomalainen mies virus 2 (TSMV-2)
  - *Rotterdam reptarenavirus* — ROUT virus (ROUTV) / University of Helsinki virus 1 (UHV-1)

Cruliviridae
- **Lincruravirus**
  - *Crustacean lincruravirus** — Wēnlǐng crustacean virus 9 (WlCV-9)

Fimoviridae
- **Emaravirus**
  - *Actinidia chlorotic ringspot-associated emaravirus* — Actinidia chlorotic ringspot-associated virus (AcCRaV)
  - *European mountain ash ringspot-associated emaravirus** — European mountain ash ringspot-associated virus (EMARaV)
  - *Fig mosaic emaravirus* — fig mosaic virus (FMV)
  - *High Plains wheat mosaic emaravirus* — High Plains wheat mosaic virus (HPWMoV)
  - *Pigeonpea sterility mosaic emaravirus 1* — pigeonpea sterility mosaic virus 1 (PPSMV-1)
  - *Pigeonpea sterility mosaic emaravirus 2* — pigeonpea sterility mosaic virus 2 (PPSMV-2)
  - *Raspberry leaf blotch emaravirus* — raspberry leaf blotch virus (RLBV)
  - *Redbud yellow ringspot-associated emaravirus* — redbud yellow ringspot-associated virus (RYRaV)
  - *Rose rosette emaravirus* — rose rosette virus (RRV)

Hantaviridae
- **Actantavirinae**
  - **Actinovirus**
    - *Batfish actinovirus* — Wēnlǐng mínpízuò batfish virus (WEMBV)
    - *Goosefish actinovirus* — Wēnlǐng yellow goosefish virus (WEYGV)
    - *Spikefish actinovirus* — Wēnlǐng red spikefish virus (WERSV)
- **Agantavirinae**
  - **Agnathovirus**
    - *Hagfish agnathovirus* — Wēnlǐng hagfish virus (WEHV)
- **Mammantavirinae**
  - **Loanvirus**
    - *Longquan loanvirus** — Longquán virus (LQUV)
  - **Mobatvirus**
    - *Laibin mobatvirus* — Láibīn virus (LAIV)
    - *Nova mobatvirus** — Nóva virus (NVAV)
    - *Quezon mobatvirus* — Quezon virus (QZNV)
  - **Orthohantavirus**
    - *Andes orthohantavirus* — Andes virus (ANDV) / Castelo dos Sonhos virus (CASV) / Lechiguanas virus (LECV = LECHV) / Orán virus (ORNV)
    - *Asama orthohantavirus* — Asama virus (ASAV)
    - *Asikkala orthohantavirus* — Asikkala virus (ASIV)
    - *Bayou orthohantavirus* — bayou virus (BAYV) / Catacamas virus (CATV)
    - *Black Creek Canal orthohantavirus* — Black Creek Canal virus (BCCV)
    - *Bowe orthohantavirus* — Bowé virus (BOWV)
    - *Bruges orthohantavirus* — Bruges virus (BRGV)
    - *Cano Delgadito orthohantavirus* — Caño Delgadito virus (CADV)
    - *