

Changes to virus taxonomy 2004

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This note presents a compilation of recent changes to virus taxonomy decided by voting by the ICTV membership following recommendations from the ICTV Executive Committee. The changes are presented in the Table as decisions promoted by the Subcommittees of the EC and are grouped according to the major hosts of the viruses involved.

These new taxa will be presented in more detail in the 8th ICTV Report scheduled to be published near the end of 2004 (Fauquet et al., 2004). Fauquet, C.M., Mayo, M.A., Maniloff, J., Desselberger, U., and Ball, L.A. (eds) (2004). Virus Taxonomy, VIIIth Report of the ICTV. Elsevier/Academic Press, London, pp. 1258.

Recent changes to virus taxonomy

Viruses of vertebrates

Family Arenaviridae

- Designate *Cupixi virus* as a species in the genus *Arenavirus*
- Designate *Bear Canyon virus* as a species in the genus *Arenavirus*
- Designate *Allpahuayo virus* as a species in the genus *Arenavirus*

Family Birnaviridae

- Assign *Blotched snakehead virus* as an unassigned species in family *Birnaviridae*

Family Circoviridae

- Create a new genus (*Anellovirus*) with *Torque teno virus* as type species

Family Coronaviridae

- Recognize a new species *Severe acute respiratory syndrome coronavirus* in the genus *Coronavirus*, family *Coronaviridae*, order *Nidovirales*

Genus Hepevirus

- Rename the genus “HEV-like viruses” *Hepevirus*

Family *Herpesviridae*

- Assign *Macropodid herpesvirus 1* and *Macropodid herpesvirus 2* as species in the genus *Simplexvirus*
- Assign *Tupaïid herpesvirus 1* as a species in the subfamily *Betaherpesvirinae*
- Assign *Callitrichine herpesvirus 3* as a species in the genus *Lymphocryptovirus*
- Assign *Mustelid herpesvirus 1* as a species in the genus *Rhadinovirus*
- Assign *Pongine herpesvirus 4* as a species in the genus *Cytomegalovirus*
- Designate *Equid herpesvirus 3* as a species in the genus *Varicellovirus*
- Rename genus ‘Marek’s disease-like viruses’ *Mardivirus*
- Rename genus ‘Infectious laryngotracheitis-like viruses’ *Iltovirus*
- Rename genus ‘Ictalurid herpes-like viruses’ *Ictalurivirus*

Family *Papillomaviridae*

- To designate as species in the family *Papillomaviridae*: - *Bovine papillomavirus 1*; *Bovine papillomavirus 5*; *Canine oral papillomavirus*; *Cottontail rabbit papillomavirus*; *Deer papillomavirus*; *Equus caballus papillomavirus* (Other papillomavirus types: EcPV1); *European Elk Papillomavirus* (EPPV) (Other papillomavirus types: *Reindeer papillomavirus*); *Feline domesticus papillomavirus*; *Fringilla coelebs papillomavirus* (chaffinch papillomavirus); *Hamster oral papillomavirus*; *Human papillomavirus 1*; *Human papillomavirus 10* (Other papillomavirus types: HPV3, HPV28, HPV29, HPV77, HPV78, HPV94); *Human papillomavirus 16* (Other papillomavirus types: HPV31, HPV33, HPV35, HPV52, HPV58, HPV67); *Human papillomavirus 18* (Other papillomavirus types: HPV39, HPV45, HPV59, HPV68, HPV70, HPV85); *Human papillomavirus 2* (Other papillomavirus types: HPV27, HPV57); *Human papillomavirus 26* (Other papillomavirus types: HPV51, HPV69, HPV82); *Human papillomavirus 32* (Other papillomavirus types: HPV42); *Human papillomavirus 34* (Other papillomavirus types: HPV73); *Human papillomavirus 4* (Other papillomavirus types: HPV65, HPV95); *Human papillomavirus 48*; *Human papillomavirus 49* (Other papillomavirus types: HPV75, HPV76); *Human papillomavirus 5* (Other papillomavirus types: HPV8, HPV12, HPV14, HPV19, HPV20, HPV21, HPV25, HPV36, HPV47); *Human papillomavirus 50*; *Human papillomavirus 53* (Other papillomavirus types: HPV30, HPV56, HPV66); *Human papillomavirus 54*; *Human papillomavirus 6* (Other papillomavirus types: HPV11, HPV13, HPV44, HPV74, PcPV); *Human papillomavirus 60*; *Human papillomavirus 61* (Other papillomavirus types: HPV72, HPV81, HPV83, HPV84, HPVcand62, HPVcand86, HPVcand87, HPVcand89); *Human papillomavirus 63*; *Human papillomavirus 7* (Other papillomaviruses: HPV40, HPV43, HPV91); *Human papillomavirus 71*; *Human papillomavirus 88*; *Human papillomavirus 9* (Other papillomaviruse types: HPV15, HPV17, HPV22, HPV23, HPV37, HPV38, HPV80); *Human papillomavirus cand90*; *Human papillomavirus cand92*; *Mastomys natalensis papillomavirus*; *Ovine papillomavirus type 1* (Other papillomavirus types: OvPV2); *Phocoena spinipinnis papillomavirus*; *Psittacus erithacus timneh papillomavirus* (parrot papillomavirus); *Rabbit oral papillomavirus*; *Bovine papillomavirus 3* (Other papillomaviruses: BPV4, BPV6); *Human papillomavirus 41*; *Rhesus monkey papillomavirus*
- Create as genera in the family *Papillomaviridae*:
Alphapapillomavirus (type species: *Human papillomavirus 32*)
Betapapillomavirus (type species: *Human papillomavirus 55*)
Gammapapillomavirus (type species: *Human papillomavirus 4*)
Deltapapillomavirus (type species: *European elk papillomavirus*)
Epsilonpapillomavirus (type species: *Bovine papillomavirus 5*)
Zetapapillomavirus (type species: *Equine papillomavirus 1*)

Etapapillomavirus (type species: *Fringilla coelebs papillomavirus* (chaffinch papillomavirus))

Thetapapillomavirus (type species: *Psittacus erithacus timneh papillomavirus* (parrot papillomavirus))

Ioatapillomavirus (type species: *Mastomys natalensis papillomavirus*)

Kappapapillomavirus (type species: *Cottontail rabbit papillomavirus*)

Lambdapapillomavirus (type species: *Canine oral papillomavirus*)

Mupapillomavirus (type species: *Human papillomavirus 1*)

Nupapillomavirus (type species: *Human papillomavirus 41*)

Xipapillomavirus (type species: *Bovine papillomavirus 3*)

Omikronpapillomavirus (type species *Phocoena spinipinnis papillomavirus*)

Pipapillomavirus (type species *Hamster oral papillomavirus*)

- Assign *Human papillomavirus 10*; *Human papillomavirus 61*; *Human papillomavirus 2*; *Human papillomavirus 26*; *Human papillomavirus 53*; *Human papillomavirus 18*; *Human papillomavirus 7*; *Human papillomavirus 16*; HPV6; *Human papillomavirus 34*; *Human papillomavirus 54*; *Human papillomavirus cand90*; *Human papillomavirus 71*; *Rhesus monkey papillomavirus* to *Alphapapillomavirus*
- Assign *Human papillomavirus 9*; *Human papillomavirus 49*; *Human papillomavirus cand92*; *Human papillomavirus 4*; *Human papillomavirus 48*; *Human papillomavirus 50*; *Human papillomavirus 60*; *Human papillomavirus 88* to *Betapapillomavirus*
- Assign *Deer papillomavirus*; *Ovine papillomavirus 1*; *Bovine papillomavirus 1* to *Gamma-papillomavirus*
- Assign *Human papillomavirus 63* to *Iotapapillomavirus*
- Assign *Feline domesticus papillomavirus* to *Xipapillomavirus*
- Assign *Rabbit oral papillomavirus* to *Kappapapillomavirus*

Family Parvoviridae

- Move *Goose parvovirus* and *Muscovy duck parvovirus* from genus *Parvovirus* to genus *Dependovirus*, subfamily *Parvovirinae*
- Remove *Aleutian mink disease virus* from genus *Parvovirus*, family *Parvoviridae*
- Remove *Bovine parvovirus* from genus *Parvovirus*
- Designate *Bovine parvovirus* as a species in the genus “BPV-like viruses”
- Designate *Culex pipiens densovirus* as unassigned species in the subfamily *Densovirinae*
- Designate *Simian parvovirus* (cynomolgus): *Rhesus macaque parvovirus*: *Pig-tailed macaque parvovirus* as species in the genus *Erythrovirus*
- Remove *Feline parvovirus*; *Canine parvovirus*, *Raccoon parvovirus* and *Mink enteritis virus* from the genus *Parvovirus*
- Create a new genus (*Amdovirus*) in the subfamily *Parvovirinae* with *Aleutian mink disease virus* as type species
- Create a new genus (*Bocavirus*) in the subfamily *Parvovirinae* with *Bovine parvovirus* as type species
- Create a new genus (*Pefudensovirus*) in the subfamily *Densovirinae* with *Periplaneta fuliginosa densovirus* as type species

Family Picornaviridae

- Assign A-2 plaque virus and Simian viruses 4 and Simian virus 28 as members of a new species, *Simian enterovirus A* in genus *Enterovirus*
- Assign U-1 virus to new species, *Bovine kobuvirus* (genus *Kobuvirus*)

Family *Poxviridae*

- Move *Melanoplus sanguinipes* entomopoxvirus ‘O’ to an unassigned species in the subfamily *Entomopoxvirinae*
- To rename *Entomopoxvirus A* as *Alphaentomopoxvirus*
- To rename *Entomopoxvirus B* as *Betaentomopoxvirus*
- To rename *Entomopoxvirus C* as *Gammaentomopoxvirus*

Family *Reoviridae*

- Create a new genus (*Idnoreovirus*) with *Idnoreovirus 1* as type species
- Remove the species *Kadipiro virus* and *Banna virus*, corresponding to the subgroup B, from the genus *Coltivirus*
- Create a new genus (*Seadornavirus*; type species *Banna virus*) to accommodate the two species *Kadipiro virus* and *Banna virus*
- Create a new genus (*Mycoreovirus*) with *Mycoreovirus 1* as type species
- Assign *Dacus oleae reovirus*, *Drosophila F virus*, *Drosophila S virus*, *Ceratitis capitata reovirus*, and *Musca domestica reovirus*, as species in genus *Idnoreovirus*
- Rename *Rosellinia necatrix reovirus* as *Mycoreovirus 3* and assign it to genus *Mycoreovirus*
- Assign *Reptilian orthoreovirus* as a species in the genus *Orthoreovirus*
- Designate *Peruvian horse sickness virus*, as species in the genus *Orbivirus*
- Designate *Liao ning virus*, as species in the genus *Seadornavirus*
- Designate *Cypovirus 15* as a new species in the genus *Cypovirus*

Viruses of plantsFamily *Caulimoviridae*

- Rename genus “Petunia vein clearing-like viruses” *Petuvirus*
- Rename genus “Soybean chlorotic mottle-like viruses” *Soymovirus*
- Rename genus “Cassava vein mosaic-like viruses” *Cavemovirus*
- Rename genus “Rice tungro bacilliform-like viruses” *Tungrovirus*
- Designate *Rubus yellow net virus*, *Gooseberry vein banding virus* and *Spirea yellow leafspot virus* as species in the genus *Badnavirus*

New genus *Cheravirus*

- Create a new unassigned genus (*Cheravirus*) with *Cherry rasp leaf virus* as the type species
- Designate *Cherry rasp leaf virus*, *Apple latent spherical virus* as species in the genus *Cheravirus*
- Designate Arracacha virus B and Artichoke vein banding virus as tentative species in the genus *Cheravirus*

New genus *Endornavirus*

- Create a genus (*Endornavirus*) with *Vicia faba endornavirus* as type species
- Designate *Phaseolus vulgaris endornavirus*, *Oryza rufipogon endornavirus*, *Oryza sativa endornavirus*, *Vicia faba endornavirus* as species in the genus *Endornavirus*

New family *Flexiviridae*

- Create a new genus (*Mandarivirus*) with *Indian citrus ringspot virus* as the type species
- Create a new family (*Flexiviridae*) to accommodate the genera *Carlavirus*, *Potexvirus*, *Allexivirus*, *Vitivirus*, *Foveavirus*, *Trichovirus*, *Capillovirus* and *Mandarivirus*
- Designate *Aconitum latent virus*; *Cole latent virus*; *Narcissus common latent virus*; *Potato latent virus* and *Verbena latent virus* as species in the genus *Carlavirus*
- Remove Garlic latent virus from the genus *Carlavirus*
- Remove Chinese yam necrotic mosaic virus from the genus *Carlavirus*
- Designate *Cherry necrotic rusty mottle virus* as unassigned species in the genus *Foveavirus*
- Designate *Cherry Mottle leaf virus* and *Peach mosaic virus* as species in the genus *Trichovirus*

Genus *Furovirus*

- Recognize *Soil-borne cereal mosaic virus* as a species in the genus *Furovirus* with Soil-borne rye mosaic virus and European wheat mosaic virus as synonyms
- Recognize *Chinese wheat mosaic virus* as a species in genus *Furovirus*
- Recognize *Oat golden stripe virus* as a species in genus *Furovirus*
- Recognize *Sorghum chlorotic spot virus* as a species in genus *Furovirus*
- To change the name Soil-borne rye mosaic virus (genus *Furovirus*) to *Soil-borne cereal mosaic virus*

Family *Geminiviridae*

- Recognize as species in genus *Begomovirus*: *Ageratum enation virus*, *Ageratum yellow vein China virus*, *Ageratum yellow vein Sri Lanka virus*, *Ageratum yellow vein Taiwan virus*, *Bhendi yellow vein mosaic virus*, *Cabbage leaf curl virus*, *Cabbage leaf curl Jamaica virus*, *Dolichos yellow mosaic virus*, *Eupatorium leaf curl virus*, *Luffa yellow mosaic virus*, *Papaya leaf curl China virus*, *Papaya leaf curl Guandong virus*, *Squash leaf curl Philippines virus*, *Tomato chino La Paz virus*, *Tomato leaf curl China virus*, *Tomato yellow leaf curl Iran virus*, *Tomato yellow leaf curl Kanchanaburi virus*, *Chayote mosaic virus*, *Chilli leaf curl virus*, *Cotton leaf curl Alabad virus*, *Cotton leaf curl Gezira virus*, *Cotton leaf curl Kokhran virus*, *Cotton leaf curl Multan virus*, *Cotton leaf curl Rajasthan virus*, *Cucurbit leaf curl virus*, *Dicliptera yellow mottle virus*, *East African cassava mosaic Cameroon virus*, *East African cassava mosaic Malawi virus*, *East African cassava mosaic Zanzibar virus*, *Eupatorium yellow vein virus*, *Ipomea yellow vein virus*, *Macroptilium yellow mosaic Florida virus*, *Macroptilium mosaic Puerto Rico virus*, *Macroptilium yellow mosaic virus*, *Malvastrum yellow vein virus*, *Melon chlorotic leaf curl virus*, *Mungbean yellow mosaic India virus*, *Okra yellow vein mosaic virus*, *Pepper leaf curl Bangladesh virus*, *Potato yellow mosaic Panama virus*, *Potato yellow mosaic Trinidad virus*, *Rhynchosia golden mosaic virus*, *Sida golden mosaic Costa Rica virus*, *Sida golden mosaic Florida virus*, *Sida golden mosaic Honduras virus*, *Sida golden yellow vein virus*, *Sida mottle virus*, *Sida yellow mosaic virus*, *Sida yellow vein virus*, *Soybean crinkle leaf virus*, *Squash mild leaf curl virus*, *Squash leaf curl Yunnan virus*, *Squash yellow mottle virus*, *Sri Lankan cassava mosaic virus*, *Stachytarpheta leaf curl virus*, *Sweet potato leaf curl virus*, *Tobacco curly shoot virus*, *Tobacco leaf curl Japan virus*, *Tobacco leaf curl Kochi virus*, *Tobacco leaf curl Yunnan virus*, *Tomato chlorotic mottle virus*, *Tomato golden mottle virus*, *Tomato leaf curl Bangladesh virus*, *Tomato leaf curl Gujarat virus*, *Tomato leaf curl Karnataka virus*, *Tomato leaf curl Laos virus*, *Tomato leaf curl Malaysia virus*, *Tomato leaf curl Sri Lanka virus*, *Tomato leaf curl Vietnam virus*, *Tomato mosaic Havana virus*, *Tomato rugose mosaic virus*

- Change the taxonomic status in the *Begomovirus* genus, from species to tentative species of – Acalypha yellow mosaic virus, Asystasia golden mosaic virus, Croton yellow vein mosaic virus, Dolichos yellow mosaic virus, Eclipta yellow vein virus, Euphorbia mosaic virus, Hollyhock leaf curl virus, Horsegram yellow mosaic virus, Jatropha mosaic virus, Leonurus mosaic virus, Limabean golden mosaic virus, Macroptilium golden mosaic virus, Macroptilium golden mosaic virus – [Jamaica1], Macroptilium golden mosaic virus – [Jamaica2], Macroptilium golden mosaic virus – [PR], Macrotyloma mosaic virus, Malvaceous chlorosis virus, Melon leaf curl virus, Okra leaf curl virus, (Okra leaf curl virus [Ivory Coast]), Pepper mild tigré virus, Pseuderanthemum yellow vein virus, Solanum yellow leaf curl virus, Tomato leaf curl Senegal virus, (Tomato leaf curl virus – Senegal), Tomato leaf curl Tanzania virus, (Tomato leaf curl virus – Tanzania), Tomato mild mottle virus – [Honduras 96 – H5kw], Tomato mosaic Barbados virus, Tomato yellow dwarf virus, Tomato yellow leaf curl Nigeria virus, (Tomato yellow leaf curl virus – Nigeria), Tomato yellow leaf curl Saudi Arabia virus, (Tomato yellow leaf curl virus – Saudi Arabia), (Tomato yellow leaf curl virus – Southern Saudi Arabia), Tomato yellow leaf curl Tanzania virus, (Tomato yellow leaf curl virus – Tanzania), Tomato yellow leaf curl Yemen virus, (Tomato yellow leaf curl virus – Yemen), Tomato yellow mosaic virus, Tomato yellow mosaic virus – [Brazil 1], Tomato yellow mosaic virus – [Brazil 2], Tomato yellow mottle virus, Tomato yellow vein streak virus, (Tomato yellow vein streak virus – Brazil), Watermelon curly mottle virus, Wissadula golden mosaic virus, Zinnia leaf curl virus
- Recognize *Croton yellow vein mosaic virus* as a species in genus *Begomovirus*
- Recognize *Tomato curly stunt virus* as a species in the genus *Begomovirus*
- Recognize *Tomato leaf curl Philippines virus* as a species in genus *Begomovirus*
- Recognize Tobacco leaf rugose virus – [Cuba], Tomato chlorotic mottle virus – [Brazil], Tomato chlorotic vein virus – [Brazil], Tomato crinkle yellow leaf virus – [Brazil], Tomato crinkle virus – [Brazil], Tomato mottle leaf curl virus – [Brazil] as tentative species in genus *Begomovirus*
- Designate *Papaya leaf curl China virus*, and *Papaya leaf curl Guangdong virus* as species in genus *Begomovirus*
- Designate *Eupatorium leaf curl virus*, and *Tomato leaf curl China virus* as species in genus *Begomovirus*
- Designate *Honeysuckle yellow vein virus* as species in genus *Begomovirus*
- Change the name of the species *Tomato leaf crumple virus* to *Chino del tomate virus*
- Change the name of the species *Althea rosea enation virus* to *Hollyhock leaf crumple virus*

Family *Luteoviridae*

- Designate *Bean leafroll virus* and *Soybean dwarf virus* as species in the genus *Luteovirus*
- Designate *Sugarcane yellow leaf virus* as species in genus *Polerovirus*

Genus *Ophiovirus*

- Designate *Lettuce ring necrosis virus* as species in the genus *Ophiovirus*
- Rename *Mirafiori lettuce big-vein virus* as *Mirafiori lettuce virus* as species in the *Ophiovirus* genus

Family *Potyviridae*

- Designate *Tomato mild mottle virus*; *Spartina mottle virus*; *Sugarcane streak mosaic virus* as unassigned species in the family
- Assign *Carrot virus Y*; *Clitoria virus Y*; *Cypripedium virus Y*; *Diuris virus Y*; *Japanese yam mosaic virus*; *Lycoris mild mottle virus*; *Ornithogalum virus 2*; *Ornithogalum virus 3*; *Papaya leaf distortion mosaic virus*; *Pepper yellow mosaic virus*; *Pleione virus Y*; *Rhopalanthe virus Y*;

Sarcophilus virus Y; *Scallion mosaic virus*; *Sunflower mosaic virus*; *Zea mosaic virus* as species in genus *Potyvirus*

- Move Rembrandt tulip breaking virus to a tentative species, in the genus *Potyvirus*
- Remove Nerine virus Y from the list of tentative species in the genus *Potyvirus*
- Assign *Cassava brown streak virus* and *Cucumber vein yellowing virus* as species in genus *Ipomovirus*
- Move *Cardamon mosaic virus* (genus *Potyvirus*) to genus *Macluravirus*
- Move *Oat necrotic mottle virus* from genus *Rymovirus* to genus *Tritimovirus*

Family *Tombusviridae*

- Recognize *Cucumber Bulgarian latent virus* as a species of genus *Tombusvirus*
- Recognize *Beet black scorch virus* as a species of genus *Necrovirus*
- Recognize *Japanese iris necrotic ringspot virus* as a species of genus *Carmovirus*
- Designate *Pea stem necrosis virus* as a species in genus *Carmovirus*

New genus *Sadwavirus*

- Create a new unassigned genus (*Sadwavirus*) with *Satsuma dwarf virus* as the type species
- Designate *Strawberry latent ringspot virus*, *Strawberry mottle virus* as species in genus *Sadwavirus*
- Designate Lucerne Australian symptomless virus and Rubus Chinese seed-borne virus as tentative species in genus *Sadwavirus*

Genus *Tobamovirus*

- Designate *Tobacco latent virus*; *Wasabi mottle virus*; *Hibiscus latent Singapore virus*; *Hibiscus latent Fort Pierce virus* as species in genus *Tobamovirus*

Family *Tymoviridae*

- Designate *Chayote mosaic virus* as a species in the genus *Tymovirus*
- Designate *Petunia vein banding virus* as a species in genus *Tymovirus*
- Designate *Poinsettia mosaic virus* as a species in the family *Tymoviridae*
- Designate *Grapevine rupestris vein feathering virus* and *Grapevine asteroid mosaic-associated virus* as species in the genus *Marafivirus*
- Assign *Grapevine red globe virus* the status of tentative species in the genus *Maculavirus*

Genus *Umbravirus*

- Recognize *Tobacco bushy top virus* as a species in the genus *Umbravirus*

Unassigned species

- Designate *Pigeonpea sterility mosaic virus* and *Hawaiian rubus leaf curl virus* as unassigned species

Genus *Varicosavirus*

- Rename the type species of the *Varicosavirus* genus from *Lettuce big-vein virus* to *Lettuce big-vein associated virus*

Viruses of prokaryotes

New family *Guttaviridae*

- Rename the genus “SNDV-like virus”, *Guttavirus*
- Create a new family (*Guttaviridae*) to contain the genus “*Guttavirus*”

Family *Lipothrixviridae*

- Rename the genus *Lipothrixvirus* as *Alphalipothrixvirus*
- Create a new genus (*Betalipothrixvirus*) with *Sulfolobus islandicus filamentous virus* as type species
- Designate *Thermoproteus tenax virus 2* and *Thermoproteus tenax virus 3* as tentative species in the genus *Betalipothrixvirus*
- Create a new genus (*Gammalipothrixvirus*) with *Acidianus filamentous virus* as type species

Family *Microviridae*

- Designate *Enterobacteria phage α3* and *Enterobacteria phage φK* as species in genus *Microvirus*
- Designate *Chlamydia phage 2*; *Chlamydia pneumoniae phage CPAR39*; *Guinea pig Chlamydia phage CPG1* as species in genus *Chlamydiamicrovirus*
- Designate *Bdellovibrio phage MH2K* as a species in genus *Bdellomicrovirus*
- Change the status of *Enterobacteria phage S13* to that of a strain of *Enterobacteria phage φX174*
- Designate *Enterobacteria phage a3* as a species in the genus *Microvirus*

Family *Podoviridae*

- Create a new genus (‘N4-like viruses’) with *Escherichia coli bacteriophage N4* as the type species

New genus *Salterprovirus*

- Create a new unassigned genus (*Salterprovirus*) with *His 1 virus* as type species

Family *Siphoviridae*

- Create a genus (φC31-like viruses) with *Streptomyces bacteriophage φC31* as type species
- Create a genus (N15-like viruses) with *Enterobacteria phage N15* as type species
- Designate *Enterobacteria phage HK97* and *Enterobacteria phage HK022* as species of genus “λ-like viruses”
- Designate *Mycobacteria phage D29* as a species of the genus “L5-like viruses”

Viruses of fungi or algae

New family *Marnaviridae*

- Create a new family (*Marnaviridae*) of ssRNA viruses infecting raphidophytes, a class of photosynthetic protists not related to Red Algae
- Create a new genus (*Marnavirus*) with *Heterosigma akashiwo RNA virus* as the type species

Family *Metaviridae*

- Create a new genus (*Semotivirus*) with *Ascaris lumbricoides Tas virus* as the type species
- Designate *Anopheles gambiae Moose virus*; *Ascaris lumbricoides Tasvirus*; *Bombyx mori Pao virus*; *Caenorhabditis elegans Cer13 virus*; *Drosophila melanogaster Bel virus*; *Drosophila melanogaster Roo virus*; *Drosophila simulans Ninja virus*; *Fugu rubripes Suzu virus* as species of the genus *Semotivirus*

New genus *Mimivirus*

- Create an unassigned genus (*Mimivirus*) with *Acanthamoeba polyphaga mimivirus* as type species

Family *Phycodnaviridae*

- Designate *Pilayella littoralis virus 1* as species in the genus *Phaeovirus*
- Create a new genus (*Raphidovirus*) with *Heterosigma akashiwo virus 01* as type species
- Designate *Heterosigma akashiwo virus 01* as an unassigned species
- Create a new genus (*Coccolithovirus*) with *Emiliana huxleyi virus 86* as type species
- Designate *Emiliana huxleyi virus 86* as an unassigned species in the family

Family *Pseudoviridae*

- Create a new genus (*Sirevirus*) with *Glycine max SIRE1 virus* as the type species
- Designate *Arabidopsis thaliana Endovir virus*; *Glycine max SIRE1 virus*; *Lycopersicon esculentum ToRTL1 virus*; *Zea mays Opie-2 virus*; *Zea mays Prem-2 virus* as species of genus *Sirevirus*
- Designate *Phaseolus vulgaris Tpv2-6 virus* as an unassigned species
- Designate *Arabidopsis thaliana Art1 virus*; *Arabidopsis thaliana AtRE1 virus*; *Arabidopsis thaliana Evelknievel virus*; *Brassica oleracea Melmoth virus*; *Cajanus cajan Panzee virus*; *Glycine max Tgmr virus*; *Oryza australiensis RIRE1 virus*; *Oryza longistaminata Retrofit virus*; *Zea mays*; *Hopscotch virus*; *Zea mays Sto-4 virus* as species in genus *Pseudovirus*
- Designate *Aedes aegypti Mosqocopia virus*; *Candida albicans Tca2 virus*; *Candida albicans Tca5 virus*; *Volvox carteri Lueckenbuesser virus* as species in the genus *Hemivirus*

Viruses of invertebratesFamily *Dicistroviridae*

- Designate *Aphid lethal paralysis virus* as a species in the genus *Cripavirus*
- Move *Taura syndrome virus* and *Acute bee paralysis virus* from the genus *Cripavirus* to being unassigned in the family

Family *Iridoviridae*

- Designate *Ambystoma tigrinum virus*; *Bohle iridovirus*; *Epizootic haematopoietic necrosis virus*; *European catfish virus*; *Santee-Cooper ranavirus* as species in the genus *Ranavirus*
- Create a new genus (*Megalocyttivirus*) with *Infectious spleen and kidney necrosis virus* as type species

Family *Tetraviridae*

- Rename *Setothosea asigna virus* to *Thosea asigna virus* and *Calliteara pudibunda virus* to *Dasychira pudibunda virus* (species in genus *Betatetravirus*)
- Designate *Antheraea eucalypti virus*, *Euprosterna elaeasa virus* and *Providence virus* as species of the genus *Betatetravirus*

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