

ICTV 4th Report

Matthews, R. E. F. (1982). Classification and nomenclature of viruses. Fourth report of the International Committee on Taxonomy of Viruses. Intervirology 17: 1-199.

At this stage in the history of ICTV, there were no formal procedures for recognising and naming virus species and in some families/genera/groups there was a reluctance to use the term 'species'. Lists of species (or 'members') were revised when the Report was produced and sometimes differed substantially from the preceding Report.

In the absence of any other documentation, this file lists the changes introduced by the 4th Report with page references.

1. Changes to group names

Family	Subfamily	Previous group name	New group name	Ref
Herpesviridae	Alphaherpesvirinae	Unnamed genus 1	Human herpesvirus 1 group	p48
Herpesviridae	Betaherpesvirinae	Murine herpesvirus group	Murine cytomegalovirus group	p50
Herpesviridae	Alphaherpesvirinae	Unnamed genus 2	Suid herpesvirus 1 group	p49

2. Change to genus assignment

The following viruses, previously classified as members of the family Bunyaviridae but not assigned to a genus, are now shown as members of the genus Bunyavirus (p116): Anopheles B virus, Boraceia virus, Icoaraci virus, M'Poko virus, Turlock virus, Umbre virus.

The following viruses, previously listed as members of the single Plant rhabdovirus group are now allocated to subgroups which are here treated as genera (p112/3):

Lettuce necrotic yellows virus	Plant rhabdovirus subgroup A	(type)
Broccoli necrotic yellows virus	Plant rhabdovirus subgroup A	
Wheat striate mosaic virus	Plant rhabdovirus subgroup A	
Potato yellow dwarf virus	Plant rhabdovirus subgroup B	(type)
Eggplant mottle dwarf virus	Plant rhabdovirus subgroup B	
Sonchus yellow net virus	Plant rhabdovirus subgroup B	
Sowthistle yellow vein virus	Plant rhabdovirus subgroup B	

3. Species that were abolished (i.e. disappeared as fully-recognised members of their genus; the reference is to the genus list lacking these species or showing them only as possible/probable members of the genus)

Family	Genus	Species	Ref
Baculoviridae	Baculovirus	Choristoneura fumiferana granulosis virus	p53
Iridoviridae	Iridovirus	Chironomus plumosus virus	p57
Iridoviridae	Iridovirus	Iridescent virus 30	p57
Iridoviridae	Iridovirus	Octopus vulgaris disease virus	p57
Reoviridae	Orbivirus	Abadina virus	p83-84
Reoviridae	Orbivirus	SUA T5-0616 virus	p83-84
Reoviridae	Orbivirus	USA 69V2161 virus	p83-84
Reoviridae	Orbivirus	X (from bovine serum) virus	p83-84
Bunyaviridae	Bunyavirus	Jurona virus	p116
Bunyaviridae	Nairovirus	Dhori virus	p117
Bunyaviridae	Unassigned	Bakau virus	p118
Bunyaviridae	Unassigned	Kaisodi virus	p118
Bunyaviridae	Unassigned	Ketapang virus	p118
Bunyaviridae	Unassigned	Kowanyama virus	p118
Bunyaviridae	Unassigned	Lanjan virus	p118
Bunyaviridae	Unassigned	Lone Star virus	p118
Bunyaviridae	Unassigned	Mapputta virus	p118
Bunyaviridae	Unassigned	Maprik virus	p118
Bunyaviridae	Unassigned	Silverwater virus	p118
Bunyaviridae	Unassigned	Sunday Canyon virus	p118
Bunyaviridae	Unassigned	Tataguine virus	p118
Bunyaviridae	Unassigned	Thogoto virus	p118
Bunyaviridae	Unassigned	Trubanaman virus	p118
Bunyaviridae	Unassigned	Witwatersrand virus	p118
Rhabdoviridae	Plant rhabdovirus group	Northern cereal mosaic virus	p113
Rhabdoviridae	Unassigned	Drosophila sigma virus	p112
Retroviridae	Type C oncovirus group	Feline endogenous type C oncovirus	p126
Unassigned	Carlavirus group	Eggplant mild mottle virus	p150
Unassigned	Comovirus group	Desmodium virus	p162

4. Species names that disappeared by merging or splitting

Family	Genus	Old species	New species	Ref
Picornaviridae	Aphthovirus	Aphthovirus O and A	Aphthovirus O Aphthovirus A	p131
Unassigned	Carlavirus group	Alfalfa latent virus	Pea streak virus	p149
Unassigned	Potyvirus group	Pea necrosis virus	Clover yellow vein virus	p152
Unassigned	Illarvirus group	Black raspberry latent virus	Tobacco streak virus	p175
Unassigned	Illarvirus group	Cherry rugose mosaic virus	Prunus necrotic ringspot virus	p175
Unassigned	Illarvirus group	Danish plum line pattern virus	Apple mosaic virus	p175
Unassigned	Illarvirus group	Hop virus A	Apple mosaic virus	p175
Unassigned	Illarvirus group	Hop virus C	Prunus necrotic ringspot virus	p175
Unassigned	Illarvirus group	Rose mosaic virus	Apple mosaic virus	p175

5. Species that were re-named

Family	Genus	Old name	New name	Ref
Herpesviridae	Human herpesvirus 1 group	Bovine herpesvirus 2	Bovid herpesvirus 2	p48
Baculoviridae	Baculovirus	Oryctes virus	Oryctes rhinoceros virus	p53
Papovaviridae	Papillomavirus	Hamster papilloma virus	Rat papilloma virus	p62
Tectiviridae	Tectivirus	Pseudomonas phage PRD1	Phage PRD1	p66
Unassigned	Carlavirus group	Cactus virus	Cactus virus 2	p149
Unassigned	Carlavirus group	Poplar latent virus	Poplar mosaic virus	p149
Unassigned	Potyvirus group	Watermelon mosaic virus	Watermelon mosaic virus 2	p153
Unassigned	Comovirus group	True broad bean mosaic virus	Broad bean true mosaic virus	p162

6. New groups that are listed

Group name	Family	Reference
Saccharomyces cerevisiae virus group	Unassigned	p89
Gaeumannomyces graminis virus group I	Unassigned	p92
Gaeumannomyces graminis virus group II	Unassigned	p92
Plant rhabdovirus subgroup A*	Rhabdoviridae	p112
Plant rhabdovirus subgroup B*	Rhabdoviridae	p113

* replacing the previous Plant rhabdovirus group

7. New species that are listed

Family	Subfamily	Genus	Species	Ref
Baculoviridae		Baculovirus	Apanteles melanoscelus virus	p53
Baculoviridae		Baculovirus	Hyposoter exiguae virus	p53
Baculoviridae		Baculovirus	Plodia interpunctella granulosis virus	p53
Iridoviridae		Ranavirus	Frog virus 1	p57
Iridoviridae		Ranavirus	Frog virus 2	p57
Iridoviridae		Ranavirus	Frog virus 5	p57
Iridoviridae		Ranavirus	Frog virus 6	p57
Iridoviridae		Ranavirus	Frog virus 7	p57
Iridoviridae		Ranavirus	Frog virus 8	p57
Iridoviridae		Ranavirus	Frog virus 9	p57
Iridoviridae		Ranavirus	Frog virus 10	p57
Iridoviridae		Ranavirus	Frog virus 11	p57
Iridoviridae		Ranavirus	Frog virus 12	p57
Iridoviridae		Ranavirus	Frog virus 13	p57
Iridoviridae		Ranavirus	Frog virus 14	p57
Iridoviridae		Ranavirus	Frog virus 15	p57
Iridoviridae		Ranavirus	Frog virus 16	p57
Iridoviridae		Ranavirus	Frog virus 17	p57
Iridoviridae		Ranavirus	Frog virus 18	p57
Iridoviridae		Ranavirus	Frog virus 19	p57
Iridoviridae		Ranavirus	Frog virus 20	p57
Iridoviridae		Ranavirus	Frog virus 21	p57
Iridoviridae		Ranavirus	Frog virus 22	p57
Iridoviridae		Ranavirus	Frog virus 23	p57

Family	Subfamily	Genus	Species	Ref
Iridoviridae		Ranavirus	Frog virus 24	p57
Iridoviridae		Ranavirus	Frog virus L2	p57
Iridoviridae		Ranavirus	Frog virus L4	p57
Iridoviridae		Ranavirus	Frog virus L5	p57
Iridoviridae		Ranavirus	Tadpole edema virus	p57
Iridoviridae		Ranavirus	Xenopus T21 virus	p57
Unassigned		Caulimovirus group	Figwort mosaic virus	p64
Unassigned		Caulimovirus group	Mirabilis mosaic virus	p64
Unassigned		Caulimovirus group	Strawberry vein banding virus	p64
Tectiviridae		Tectivirus	Phage L17	p66
Tectiviridae		Tectivirus	Phage PR772	p66
Corticoviridae		Corticovirus	Phage 06N 58P	p67
Parvoviridae		Dependovirus	Avian adeno-associated virus	p72
Parvoviridae		Dependovirus	Canine adeno-associated virus	p72
Unassigned		Geminivirus group	Tomato golden mosaic virus	p76
Microviridae		Microvirus	Phage U3	p77
Reoviridae		Orbivirus	Ife virus	p84
Reoviridae		Orbivirus	Japanant virus	p84
Reoviridae		Orbivirus	Lebombo virus	p84
Reoviridae		Orbivirus	Llano Seco virus	p84
Reoviridae		Orbivirus	Orunga virus	p84
Reoviridae		Orbivirus	Paroo River virus	p84
Reoviridae		Orbivirus	T-50616 virus	p84
Reoviridae		Orbivirus	Umatilla virus	p84
Unassigned		Saccharomyces cerevisiae virus group	Saccharomyces cerevisiae virus ScV1	p89
Unassigned		Saccharomyces cerevisiae virus group	Saccharomyces cerevisiae virus ScV2	p89
Unassigned		Saccharomyces cerevisiae virus group	Ustilago maydis virus	p89
Unassigned		Gaeumannomyces graminis virus group I	Gaeumannomyces graminis virus 0196/A	p92
Unassigned		Gaeumannomyces graminis virus group II	Gaeumannomyces graminis virus TI-A	p92
Togaviridae		Alphavirus	Bijou Bridge virus	p98
Togaviridae		Alphavirus	Cabassou virus	p98
Togaviridae		Alphavirus	Tonate virus	p98
Bunyaviridae		Bunyavirus	Ananindeua virus	p116
Bunyaviridae		Bunyavirus	Barmah Forest virus	p116
Bunyaviridae		Bunyavirus	Batama virus	p116
Bunyaviridae		Bunyavirus	Benevides virus	p116
Bunyaviridae		Bunyavirus	Benfica virus	p116
Bunyaviridae		Bunyavirus	Bobia virus	p116
Bunyaviridae		Bunyavirus	Douglas virus	p116
Bunyaviridae		Bunyavirus	Inini virus	p116
Bunyaviridae		Bunyavirus	Itimirim virus	p116
Bunyaviridae		Bunyavirus	Peaton virus	p116
Bunyaviridae		Bunyavirus	Shokwe virus	p116
Bunyaviridae		Bunyavirus	Taiassui virus	p116
Bunyaviridae		Bunyavirus	Timboteua virus	p116
Bunyaviridae		Bunyavirus	Tinaroo virus	p116
Bunyaviridae		Bunyavirus	Utinga virus	p116
Bunyaviridae		Bunyavirus	Utive virus	p116
Bunyaviridae		Bunyavirus	Virgin River virus	p116

Family	Subfamily	Genus	Species	Ref
Bunyaviridae		Bunyavirus	Yaba-1 virus	p116
Bunyaviridae		Phlebovirus	Tehran virus	p117
Bunyaviridae		Phlebovirus	Toscana virus	p117
Bunyaviridae		Nairovirus	Farallon virus	p117
Bunyaviridae		Nairovirus	Avalon virus	p117
Bunyaviridae		Nairovirus	Clo Mor virus	p117
Bunyaviridae		Nairovirus	Sakhalin virus	p117
Bunyaviridae		Nairovirus	Taggart virus	p117
Bunyaviridae		Nairovirus	Tillamook virus	p117
Retroviridae	Oncovirinae	Type C oncovirus group	Viper type C oncovirus	p126
Retroviridae	Lentivirinae	Unassigned	Maedi virus	p128
Retroviridae	Lentivirinae	Unassigned	Progressive pneumonia virus	p128
Retroviridae	Lentivirinae	Unassigned	Zwogerziekte virus	p128
Picornaviridae		Enterovirus	Human enterovirus 72	p130
Picornaviridae		Cardiovirus	Mengovirus	p130
Picornaviridae		Unassigned	Cricket paralysis virus	p131
Picornaviridae		Unassigned	Drosophila C virus	p131
Picornaviridae		Unassigned	Gonometa virus	p131
Picornaviridae		Aphthovirus	Aphthovirus O	p131
Picornaviridae		Aphthovirus	Aphthovirus A	p131
Nudaurelia beta virus group		Unassigned	Antheraea beta virus	p135
Nudaurelia beta virus group		Unassigned	Darna beta virus	p135
Nudaurelia beta virus group		Unassigned	Thosea beta virus	p135
Nudaurelia beta virus group		Unassigned	Philosamia beta virus	p135
Nudaurelia beta virus group		Unassigned	Trichoplusia beta virus	p135
Leviviridae		Levivirus	Phage phiCP2	p136
Leviviridae		Levivirus	Phage phiCP18	p136
Leviviridae		Levivirus	Phage phiCr14	p136
Leviviridae		Levivirus	Phage phiCr28	p136
Unassigned		Tymovirus group	Peanut yellow mottle virus	p139
Unassigned		Luteovirus group	Carrot red leaf virus	p140
Unassigned		Luteovirus group	Indonesian soybean dwarf virus	p140
Unassigned		Luteovirus group	Potato leaf roll virus	p140
Unassigned		Luteovirus group	Solanum yellows virus	p140
Unassigned		Luteovirus group	Subterranean clover red leaf virus	p140
Unassigned		Tombusvirus group	Cymbidium ringspot virus	p142
Unassigned		Tombusvirus group	Eggplant mottled crinkle virus	p142
Unassigned		Sobemovirus group	Turnip rosette virus	p144
Unassigned		Closterovirus group	Burdock yellows virus	p147
Unassigned		Closterovirus group	Carrot yellow leaf virus	p147
Unassigned		Closterovirus group	Grapevine stem-pitting associated virus	p147
Unassigned		Carlavirus group	Elderberry carlavirus	p149
Unassigned		Carlavirus group	Helenium virus S	p149
Unassigned		Carlavirus group	Hop latent virus	p149
Unassigned		Carlavirus group	Hop mosaic virus	p149
Unassigned		Carlavirus group	Lilac mottle virus	p149
Unassigned		Carlavirus group	Muskmelon vein necrosis virus	p149
Unassigned		Carlavirus group	Nerine latent virus	p149
Unassigned		Carlavirus group	Pepino latent virus	p149

Family	Subfamily	Genus	Species	Ref
Unassigned		Carlavirus group	Shallot latent virus	p150
Unassigned		Potyvirus group	Amaranthus leaf mottle virus	p152
Unassigned		Potyvirus group	Bearded iris mosaic virus	p152
Unassigned		Potyvirus group	Blackeye cowpea mosaic virus	p152
Unassigned		Potyvirus group	Commelina mosaic virus	p152
Unassigned		Potyvirus group	Datura shoestring virus	p152
Unassigned		Potyvirus group	Guinea grass mosaic virus	p152
Unassigned		Potyvirus group	Iris severe mosaic virus	p153
Unassigned		Potyvirus group	Leek yellow stripe virus	p153
Unassigned		Potyvirus group	Narcissus degeneration virus	p153
Unassigned		Potyvirus group	Pepper severe mosaic virus	p153
Unassigned		Potyvirus group	Tamarillo mosaic virus	p153
Unassigned		Potyvirus group	Wisteria vein mosaic virus	p153
Unassigned		Potyvirus group	Watermelon mosaic virus 1	p153
Unassigned		Potexvirus group	Commelina virus X	p156
Unassigned		Potexvirus group	Foxtail mosaic virus	p156
Unassigned		Potexvirus group	Lily virus X	p156
Unassigned		Potexvirus group	Plantago severe mottle virus	p156
Unassigned		Potexvirus group	Plantago virus X	p156
Unassigned		Potexvirus group	Boussingaultia mosaic virus	p156
Unassigned		Dianthovirus group	Red clover necrotic mosaic virus	p160
Unassigned		Dianthovirus group	Sweet clover necrotic mosaic virus	p160
Unassigned		Comovirus group	Cowpea severe mosaic virus	p162
Unassigned		Comovirus group	Glycine mosaic virus	p162
Unassigned		Nepovirus group	Arracacha virus A	p164
Unassigned		Nepovirus group	Artichoke yellow ringspot virus	p164
Unassigned		Nepovirus group	Blueberry leaf mottle virus	p164
Unassigned		Nepovirus group	Chicory yellow mottle virus	p164
Unassigned		Nepovirus group	Crimson clover latent virus	p164
Unassigned		Nepovirus group	Grapevine Bulgarian latent virus	p164
Unassigned		Nepovirus group	Hibiscus latent ringspot virus	p164
Unassigned		Nepovirus group	Lucerne Australian latent virus	p164
Nodaviridae		Nodavirus	Black beetle virus	p167
Unassigned		Illarvirus group	North American plum line pattern virus	p175
Unassigned		Illarvirus group	Prune dwarf virus	p175
Unassigned		Illarvirus group	Spinach latent virus	p175