

# VIRUS –Complete list and description

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141. Nepovirus
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145. Aesculus line pattern virus
146. Rhubarb virus 5
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148. Strawberry mild crinkle virus

## TOGAVIRUS

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**ADENOVIRUS** -Adenoviruses most commonly cause respiratory illness; however, they may also cause various other illnesses, such as gastroenteritis, conjunctivitis, cystitis (bladder infection), and rash illness. Symptoms of respiratory illness caused by adenovirus infection range from the common cold syndrome to pneumonia, croup, and bronchitis. All are transmitted by direct contact, fecal-oral transmission, and occasionally waterborne transmission. Some types can establish persistent asymptomatic infections in tonsils, adenoids, and intestines of infected hosts.

**1. Atadenovirus**

- |                          |                           |
|--------------------------|---------------------------|
| Agamid adenovirus 1      | Duck adenovirus A         |
| Agamid atadenovirus Ben  | Eublepharid adenovirus 1  |
| Agamid atadenovirus Well | Gekko adenovirus          |
| Bovine adenovirus 4      | Goat adenovirus 1         |
| Bovine adenovirus 5      | Helodermatid adenovirus 1 |
| Bovine adenovirus 8      | Ovine adenovirus 7        |
| Bovine adenovirus D      | Ovine adenovirus D        |
| Bovine adenovirus E      | Ovine adenovirus D        |
| Bovine adenovirus F      | Possum adenovirus         |
| Cervine adenovirus       | Possum adenovirus 1       |
| Chameleon adenovirus     | Scincid adenovirus 1      |
| Duck adenovirus 1        | Snake adenovirus          |

**2. Aviadenovirus**

- Fowl adenovirus A

**3. Ichtadenovirus**

- Sturgeon adenovirus A

**4. Mastadenovirus –most commonly infects man**

- Human adenovirus C

**5. Siadenovirus**

- Frog adenovirus

**ANELLOVIRUS** –also known as the Transfusion Transmitted Virus, known to cause chronic human infections but little else is known. This virus has also been found in vaccines used for pigs, and the Torque viruses are suspects in causing hepatitis.

**6 Alphatorquevirus**

- Torque Teno Virus
- Transfusion Transmitted Virus

**7 Betatorquevirus**

- Torque Teno Mini Virus

**8 Gammatorquevirus**

- Torque Teno Midi Virus

**9 Deltatorquevirus**

- Torque Teno Tupaia Virus

**10 Epsilontorquevirus**

- Torque Teno Tamarin Virus

**11 Etatorquevirus**

- Torque Teno Felis Virus

**12 Iotatorquevirus**

- Torque Teno Sus Virus

**13 Thetatorquevirus**

- Torque Teno Canis Virus

**14 Zetatorquevirus**

- Torque Teno Douroucouli Virus

**ARTERIVIRUS**

**15 Equine arteritis virus**

- Equine arteritis virus –infects horses
- Lactate dehydrogenase elevating virus –little known
- Porcine reproductive and respiratory syndrome virus -infects pigs
- Simian hemorrhagic fever virus -infects monkeys

**ARENAVIRUS** –primarily affect rodents but can infect humans causing symptoms from influenza to meningitis to hemorrhaging.

**16 Arena virus**

- |                                    |   |
|------------------------------------|---|
| Ippy virus                         | Junin virus                             |
| Lassa virus                        | Latino virus                            |
| Lujo virus                         | Machupo virus                           |
| Lymphocytic choriomeningitis virus | Oliveros virus                          |
| Mobala virus                       | Paraná virus                            |
| Mopeia virus                       | Pichinde virus                          |
| Amapari virus                      | Pirital virus                           |
| Chapare virus                      | Sabiá virus                             |
| Flexal virus                       | Tacaribe virus –infects bats            |
| Guanarito virus                    | Tamiami virus & Whitewater Arroyo virus |

ASFIVIRUS –infects swine/pigs, causing African swine fever

**17 African.swine.fever.virus**

ASFV-Ba71V  
ASFV-E40/MS44  
ASFV-E40/MS16  
ASFV-LIS57

ASTROVIRUS –causes gastroenteritis (diarrhoea, followed by nausea, vomiting, fever, malaise and abdominal pain).

**18 Mamastrovirus**

Bovine astrovirus  
Feline astrovirus  
Human astrovirus

Ovine astrovirus  
Porcine astrovirus  
Mink astrovirus

**19. Avastrovirus**

Chicken astrovirus  
Duck astrovirus

Turkey astrovirus

BORNAVIRUS –causes infection in mammals, suspected in bipolar, depression and other neurological disorders.

**20 Borna virus**

Borna disease virus

BUNYAVIRUS –cause hemorrhagic fever, from tick bite except Hanta, from rodents

**21 Hantavirus or Hantaan virus**

Andes virus  
Bayou virus  
Black Creek Canal virus  
Cano Delgado virus  
Dobrava-Belgrade virus  
El Moro Canyon virus  
Hantaan virus  
Isla Vista virus  
Khabarovsk virus  
Laguna Negra virus  
Muleshoe virus  
New York virus

Oran virus  
Prospect Hill virus  
Puumala virus  
Rio Mamore virus  
Rio Segundo virus  
Saaremaa virus  
Seoul virus  
Sin Nombre virus  
Thailand virus  
Thottapalayam virus  
Topografov virus  
Tula virus

**22 Nairovirus or Dugbe virus –affect the gastrointestinal tract of sheep.**

Crimean-Congo hemorrhagic fever virus  
Dera Ghazi Khan virus  
Dugbe virus  
Hughes virus

Qalyub virus  
Sakhalin virus  
Thiafora virus

**23 Orthobunyavirus or Bunyamwera virus –can cause encephalitis in humans, generally carried by mosquitos.**

Acara virus  
Akabane virus  
Alajuela virus  
Anopheles A virus  
Anopheles B virus  
Bakau virus  
Batama virus  
Benevides virus  
Bertioga virus  
Bimiti virus  
Botambi virus  
Bunyamwera virus  
Bushbush virus  
Bwamba virus  
California encephalitis virus  
Capim virus  
Caraparu virus  
Catu virus  
Estero Real virus  
Gamboa virus  
Guajara virus  
Guama virus  
Guaroa virus  
Kaeng Khoi virus

Kairi virus  
Koongol virus  
M'Poko virus  
Madrid virus  
Main Drain virus  
Manzanilla virus  
Marituba virus  
Minatitlan virus  
Nyando virus  
Olifantsvlei virus  
Oriboca virus  
Oropouche virus  
Patois virus  
Sathuperi virus  
Shamonda virus  
Shuni virus  
Simbu virus  
Tacaïuma virus  
Tete virus  
Thimiri virus  
Timboteua virus  
Turlock virus  
Wyeomyia virus  
Zegla virus

**24 Phlebovirus –symptoms ranging from short self limiting fevers, to encephalitis and fatal hemorrhagic fever.**

Alenquer virus  
Candiru virus  
Chagres virus  
Naples virus  
Punta Toro virus  
Sicilian virus  
Toscana virus  
Bujaru virus

Chandiru virus  
Chilibre virus  
Frijoles virus  
Punta Toro virus  
Rift Valley fever virus  
Salehebad virus  
Sandfly fever Naples virus  
Uukuniemi virus

- 25 Tospovirus** or Tomato spotted wilt virus -*infects a variety of plants.*  
 Groundnut bud necrosis virus  
 Groundnut ringspot virus  
 Groundnut yellow spot virus  
 Impatiens necrotic spot virus
- Tomato chlorotic spot virus  
 Tomato spotted wilt virus  
 Watermelon silver mottle virus  
 Zucchini lethal chlorosis virus

**CALICIVIRUS** – transmission is fecal-oral or person to person, infects many species, in humans it causes gastroenteritis.

- 26 Lagovirus**  
 Rabbit hemorrhagic disease virus
- 27 Norovirus**  
 Norwalk virus –may be responsible for 50% of foodborne outbreaks of gastroenteritis in US.
- 28 Sapovirus**  
 Sapporo virus –causes gastroenteritis, particularly in children.
- 29 Vesivirus**  
 Feline calicivirus  
 San.Miguel.sealion.virus
- Vesicular exanthema of swine virus

**CORONAVIRUS** –infect upper respiratory (SARS) and cause gastrointestinal infections in various species.

- 30 Alphacoronavirus**  
 Alphacoronavirus 1  
 Human coronavirus 229E  
 Human coronavirus NL63  
 Miniopterus Bat coronavirus 1
- Miniopterus Bat coronavirus HKU8  
 Porcine epidemic diarrhea virus,  
 Rhinolophus Bat coronavirus HKU2  
 Scotophilus Bat coronavirus 512
- 31 Betacoronavirus**  
 Betacoronavirus 1  
 Human coronavirus HKU1  
 Murine coronavirus  
 Pipistrellus Bat coronavirus HKU5
- Rousettus Bat coronavirus HKU9  
 Severe acute respiratory syndrome-related coronavirus  
 Tylonycteris Bat coronavirus HKU4
- 32 Gammacoronavirus**  
 Avian coronavirus
- Beluga whale coronavirus SW1
- 33 Torovirus**  
 Bovine torovirus  
 Equine torovirus  
 Human torovirus
- Porcine torovirus  
 Bafinivirus > White bream virus

**DISISTROVIRUS** -infected aphids, leafhoppers, flies, bees, ants, silkworms, not thought to infect humans.

- 34 Cripavirus**  
 Aphid lethal paralysis virus  
 Black queen cell virus – a Western honey bee virus  
 Bombyx mori infectious flacherie virus) – a silkworm virus  
 Cricket paralysis virus  
 Drosophila C virus  
 Himetobi P virus  
 Plautia stali intestine virus  
 Rhopalosiphum padi virus  
 Triatoma virus  
 Homalodisca coagulata virus ) – a sharpshooter virus  
 Solenopsis invicta virus 1– a Red imported fire ant virus  
 Acheta domesticus virus  
 Acute bee paralysis virus – a Western honey bee virus  
 Israel acute paralysis virus – a Western honey bee virus,  
 Kashmir bee virus – a Western honey bee virus  
 Taura syndrome virus – shrimp virus, particularly in Whiteleg shrimp

**FILOVIRUS** –African origin virus causes hemorrhagic fever in humans and primates; natural reservoir is the Egyptian fruit bat (Africa). The disease is spread through bodily fluids, including blood, excrement, saliva, sperm, and vomit. Early symptoms are often non-specific, and usually include fever, headache and myalgia after an incubation period of three to nine days. After five days, a maculopapular rash is often present on the torso. Later-stage Marburg infection is acute and can include jaundice, pancreatitis, weight loss, delirium and neuropsychiatric symptoms, hemorrhaging, hypovolemic shock and multi-organ dysfunction, with liver failure most common. Accounts of external hemorrhaging from bodily orifices are pervasive in popular references to the disease but are in fact rare. Time course varies but symptoms usually last for one to three weeks until the disease either resolves or kills the infected host.

- 35 Marburg virus**  
 Lake Victoria Marburgvirus
- 36 Ebola virus**  
 Zaire ebolavirus  
 Ivory Coast ebolavirus
- Reston ebolavirus  
 Sudan ebolavirus

**FLAVIVIRUS** –includes the West Nile virus, dengue virus, Tick-borne Encephalitis Virus, Yellow Fever Virus, and several other viruses which may cause encephalitis. These viruses are transmitted by the bite from an infected arthropod (mosquito or tick). Also includes hepatitis C.

**37 Flavivirus** or yellow fever virus

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>Apoi virus</li> <li>Aroa virus</li> <li>Bagaza virus</li> <li>Banzi virus</li> <li>Bouboui virus</li> <li>Bukalasa bat virus</li> <li>Cacipacore virus</li> <li>Carey Island virus</li> <li>Cowbone Ridge virus</li> <li>Dakar bat virus</li> <li>Dengue virus</li> <li>Edge Hill virus</li> <li>Entebbe bat virus</li> <li>Gadgets Gully virus</li> <li>Ilheus virus</li> <li>Israel turkey meningoencephalomyelitis virus</li> <li>Japanese encephalitis virus</li> <li>Jugra virus</li> <li>Kadam virus</li> <li>Kedougou virus</li> <li>Kokobera virus</li> <li>Koutango virus</li> <li>Kyasanur Forest disease virus</li> <li>Langat virus</li> <li>Louping ill virus</li> <li>Meaban virus</li> <li>Modoc virus</li> </ul> | <ul style="list-style-type: none"> <li>Montana myotis leukoencephalitis virus</li> <li>Murray Valley encephalitis virus</li> <li>Ntaya virus</li> <li>Omsk hemorrhagic fever virus</li> <li>Phnom Penh bat virus</li> <li>Powassan virus</li> <li>Rio Bravo virus</li> <li>Royal Farm virus</li> <li>Saboya virus</li> <li>Sal Vieja virus</li> <li>San Perlita virus</li> <li>Saumarez Reef virus</li> <li>Sepik virus</li> <li>St. Louis encephalitis virus</li> <li>Tembusu virus</li> <li>Tick-borne encephalitis virus</li> <li>Tyulenyi virus</li> <li>Uganda S virus</li> <li>Usutu virus</li> <li>Utiapa virus</li> <li>Wesselsbron virus</li> <li>West Nile virus</li> <li>Yaounde virus</li> <li>Yellow fever virus</li> <li>Yokose virus</li> <li>Zika virus</li> </ul> |
|---|--|

**38 Hepacivirus**

- Hepatitis C virus

**39 Pestivirus** -primarily bovine, but mammal and swine

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>Border disease virus</li> <li>Bovine viral diarrhea virus 1</li> </ul> | <ul style="list-style-type: none"> <li>Bovine viral diarrhea virus 2</li> <li>Classical swine fever virus</li> </ul> |
|---|--|

**HEPADNAVIRUS** –cause liver infections, hepatitis B.

**40 Orthohepadnavirus**

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>Ground squirrel hepatitis virus</li> <li>Hepatitis B virus</li> </ul> | <ul style="list-style-type: none"> <li>Woodchuck hepatitis virus</li> <li>Woolly monkey hepatitis B virus</li> </ul> |
|--|--|

**41 Avihepadnavirus**

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>Duck hepatitis B virus</li> </ul> | <ul style="list-style-type: none"> <li>Heron hepatitis B virus</li> </ul> |
|--|---|

**HERPESVIRUS** –causes herpes infections (which invade the immune system) in all manner of human and animal. Some are known to cause tumors and have been associated with many of today’s diseases.

**ALPHAHERPES**

**42 Iltovirus** –infects birds

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>Gallid herpesvirus 1</li> </ul> | <ul style="list-style-type: none"> <li>Psittacid herpesvirus 1</li> </ul> |
|--|---|

**43 Mardivirus** -infects chickens

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>Columbid herpesvirus 1</li> <li>Gallid herpesvirus 2</li> </ul> | <ul style="list-style-type: none"> <li>Gallid herpesvirus 3</li> <li>Meleagrid herpesvirus 1</li> </ul> |
|--|---|

**44 Simplexvirus**

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>Ateline herpesvirus 1</li> <li>Bovine herpesvirus 2</li> <li>Cercopithecine herpesvirus 2</li> <li>Human herpesvirus 1 –causes oral and genital herpes</li> <li>Human herpesvirus 2 –causes primarily genital herpes</li> </ul> | <ul style="list-style-type: none"> <li>Leporid herpesvirus 4</li> <li>Macacine herpesvirus 1</li> <li>Macropodid herpesvirus 1</li> <li>Macropodid</li> </ul> |
|--|---|

**45 Varicellovirus**

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>Bovine herpesvirus 1</li> <li>Bovine herpesvirus 5</li> <li>Bubaline herpesvirus 1</li> <li>Canid herpesvirus 1</li> <li>Caprine herpesvirus 1</li> <li>Cercopithecine herpesvirus 9</li> <li>Cervid herpesvirus 1</li> <li>Cervid herpesvirus 2</li> <li>Duck herpesvirus 1</li> </ul> | <ul style="list-style-type: none"> <li>Equid herpesvirus 1</li> <li>Equid herpesvirus 3</li> <li>Equid herpesvirus 4</li> <li>Equid herpesvirus 8</li> <li>Equid herpesvirus 9</li> <li>Felid herpesvirus 1</li> <li>Human herpesvirus 3 –causes chickenpox and shingles</li> <li>Phocid herpesvirus 1</li> <li>Suid herpesvirus</li> </ul> |
|--|---|

**BETAHERPES**

**46 Cytomegalovirus**

- Aotine herpesvirus 1
- Aotine herpesvirus 3
- Cercopithecine herpesvirus 5
- Cercopithecine herpesvirus 8

- Human herpesvirus 5 –causes mono and retinitis
- Macacine herpesvirus 3
- Panine herpesvirus 2
- Pongine herpesvirus 4

**47 Muromegalovirus**

- Murid herpesvirus 1

- Murid herpesvirus 2

**48 Proboscivirus**

- Elaphantid herpesvirus 1

**49 Roseolovirus**

- Human herpesvirus 6 –causes sixth disease

- Human herpesvirus 7 –causes sixth disease

**GAMMAHERPES**

**50 Lymphocryptovirus**

- African green monkey EBV-like virus
- Baboon lymphocryptovirus
- Callitrichine herpesvirus 3
- Cercopithecine herpesvirus 14
- Cercopithecine herpesvirus 14
- Chimpanzee lymphocryptovirus
- Gorilla lymphocryptovirus
- Gorilline herpesvirus 1
- Human herpesvirus 4 -causes Epstein-Barr

- Macacine herpesvirus 4
- Marmoset lymphocryptovirus
- Orangutan lymphocryptovirus
- Panine herpesvirus 1
- Papiine herpesvirus 1
- Pongine herpesvirus 1
- Pongine herpesvirus 2
- Pongine herpesvirus 3
- Rhesus lymphocryptovirus

**51 Rhadinovirus - infect lymphocytes, fibroblasts, epithelial cells, and endothelial cells often causing tumors.**

- Alcelaphine herpesvirus 1
- Alcelaphine herpesvirus 2
- Ateline herpesvirus 2
- Ateline herpesvirus 3
- Bovine herpesvirus 4
- Bovine herpesvirus 6
- Caprine herpesvirus 2
- Equid herpesvirus 2
- Equid herpesvirus 2
- Equid herpesvirus 5
- Equid herpesvirus 5

- Equid herpesvirus 7
- Hippotragine herpesvirus 1
- Human herpesvirus 8 - Kaposi's sarcoma
- Macacine herpesvirus 5
- Murid herpesvirus 4
- Mustelid herpesvirus 1
- Ovine herpesvirus 2
- Saimiriine herpesvirus 2
- Suid herpesvirus 3
- Suid herpesvirus 4
- Suid herpesvirus 5

**52. Misc. herpes -have not been classified into any genera so they are listed as misc.**

- Alphaherpes>Chelonid herpesvirus 5
- Alphaherpes>Chelonid herpesvirus 6
- Betaherpes>Caviid herpesvirus 2
- Betaherpes>Suid herpesvirus 2
- Betaherpes>Tupaiaid herpesvirus 1

- Gammaherpes>Equid herpesvirus 7
- Gammaherpes>Phocid herpesvirus 2
- Gammaherpes>Saguinine herpesvirus 1
- Gammaherpes>Iguanid herpesvirus 2

**IFLAVIRUS** -infected aphids, leafhoppers, flies, bees (causes aggressive behavior), ants, silkworms.

**53 Iflavirus**

- Deformed wing virus
- Ectropis obliqua virus
- Infectious flacherie virus

- Perina nuda virus
- Sacbrood virus
- Varroa destructor virus-1

**ORTHOMYXOVIRUS** -Symptoms of influenza may include: Chills and Fever, Cough, Nasal congestion, Body aches, especially joints and throat, Fatigue, Headache, Irritated, watering eyes, Reddened eyes, skin (especially face), mouth, throat and nose. Symptoms such as diarrhea and abdominal pain rarely manifest in adults but can be side effects in children. The flu can be identified from a cold by a high fever with a sudden onset and extreme fatigue.

**54 Influenzavirus A** -infects humans, pigs, birds, horses.

- H1N1 –spanish flu
- H1N2 –asian flu
- H2N2 –hong kong flu
- H3N1 –bird flu
- H3N2
- H3N8
- H5N1
- H5N2
- H5N3

- H5N8
- H5N9
- H7N1
- H7N2
- H7N3
- H7N4
- H7N7
- H9N2
- H10N7

**55 Influenzavirus B** -infects humans, seals.

**56 Influenzavirus C** -infects humans, pigs.

**57 Isavirus** -infects atlantic salmon

- Infectious salmon anemia virus

**58 Thogotovirus** -ticks, mosquitos, mammals, including human

- Thogoto virus
- Dhori virus

- Batken virus

**PAPILLOMAVIRUS** -Papillomaviruses replicate exclusively in keratinocytes + epidermis. The cause of warts and papilla, raised finger-like projections on the skin. About 50% of sexually active women are infected with the human papillomavirus. The following are risk factors that may lead to contracting human papillomavirus: Beginning sexual life at an early age, Frequent change of sexual partners, Smoking, Taking of the contraceptive pill (this lowers immunity), Engaging in oral sex, Hormonal disorders, Multiple births, Pregnancy (associated with reduced immunological response), HIV, Drop in immunological response caused by any factor (disease, pollution, stress, etc), Other environmental factors.

**59 Papillomavirus**

- |                           |                        |
|---------------------------|------------------------|
| Alphapapillomavirus (HPV) | Lambdapapillomavirus   |
| Betapapillomavirus (HPV)  | Mupapillomavirus (HPV) |
| Gammapapillomavirus (HPV) | Nupapillomavirus (HPV) |
| Deltapapillomavirus       | Omikronpapillomavirus  |
| Epsilonpapillomavirus     | Pipapapillomavirus     |
| Etapapillomavirus         | Thetapapillomavirus    |
| Iotapapillomavirus        | Xipapillomavirus       |
| Kappapapillomavirus       | Zetapapillomavirus     |

**PARAMYXOVIRUS** –causes measles, mumps, croup, distemper and respiratory issues.

**60 Avulavirus**

- |                                     |                                 |
|-------------------------------------|---------------------------------|
| Newcastle.disease.virus -bird virus | Avian.paramyxovirus -bird virus |
|-------------------------------------|---------------------------------|

**61 Henipavirus**

- |                              |                             |
|------------------------------|-----------------------------|
| Hendravirus -fruit bat virus | Nipahvirus -fruit bat virus |
|------------------------------|-----------------------------|

**62 Morbillivirus**

- |                                   |  |
|-----------------------------------|--|
| Canine.distemper.virus -dog virus | Peste.des.petits.ruminants.virus -goat/sheep virus |
| Cetacean morbillivirus            | Phocine.distemper.virus -seal virus                |
| Dolphin distemper virus           | Porpoise.morbillivirus -porpoise virus             |
| Measles.virus -human virus        | Rinderpest.virus -cattle/buffalo                   |

**63 Respirovirus**

- Bovine parainfluenza virus 3
- Human parainfluenza virus 1 --causes croup, bromchitis, pneumonia
- Human parainfluenza virus 3 -causes croup, bromchitis, pneumonia
- Sendai virus -respiratory of mice/hamster/rats, pigs

**64 Rubellavirus**

- |  |                               |
|--|-------------------------------|
| Mumps.virus -human virus                   | Porcine.rubulavirus           |
| Human.parainfluenza.virus 2 -causes croup  | Simian.parainfluenza.virus 5  |
| Human.parainfluenza.virus 4 -causes croup  | Simian.parainfluenza.virus 41 |
| Human.parainfluenza.virus 4a -causes croup | Tioma.virus -bat virus        |
| Mapuera.virus                              | Tuhokovirus 1,2,3             |
| Menengle.virus -bat virus                  |                               |

**65 TPMV~virus**

- Tupaia.paramyxovirus

**66 Pneumovirus**

- |  |                                    |
|--|------------------------------------|
| Human.respiratory.syncytial.virus -respiratory virus | Bovine.respiratory.syncytial.virus |
|--|------------------------------------|

**67 Metapneumovirus**

- |                   |  |
|-------------------|--|
| Avian.pneumovirus | Human.metapneumovirus -respiratory virus |
|-------------------|--|

**68 Para. Unassigned**

- |                    |                      |
|--------------------|----------------------|
| Beilong.virus      | Nariva.virus         |
| Fer.de.lance.virus | Salem.virus          |
| J.virus            | Tupaia.paramyxovirus |
| Mossman.virus      |                      |

**PARVOVIRUS** –known to cause arthritis in humans, and severe infections in animals.

**69 Amdovirus -infects minks**

- Aleutian mink disease virus

**70 Brevidensovirus -infects mosquitoes**

- Aedes aegypti densovirus

**71 Bocavirus -bovine virus**

- Bovine parvovirus

**72 Dependovirus -infect all vertebrates**

- Adeno-associated virus 2

**73 Densovirus -infect insects**

- Junonia coenia densovirus

**74 Erythrovirus -infect humans**

- |                   |                  |
|-------------------|------------------|
| Parvovirus.B19 or | Erythrovirus.B19 |
|-------------------|------------------|

**75 Iteravirus -infect silkworms**

- Bombyx mori densovirus

- 76 Parvovirus**  
 Canine parvovirus  
 Chicken parvovirus  
 Feline panleukopenia virus  
 Feline parvovirus  
 HB virus  
 H-1 virus  
 Kilham rat virus  
 Lapine parvovirus  
 LUIII virus  
 Mink enteritis virus  
 Minute virus of mice  
 Murine parvovirus 1  
 Porcine parvovirus  
 Raccoon parvovirus  
 RT parvovirus  
 Tumor virus X
- 77 Pefudensovirus -infect cochroaches**  
 Periplanta fuliginosa densovirus

**PICORNOVIRUS** - diseases they cause are varied, ranging from acute "common-cold"-like illnesses, to poliomyelitis, to chronic infections in livestock.

- 78 Apthovirus -infects cloven hoofed animals**  
 Bovine rhinitis B virus  
 Equine rhinitis A virus  
 Foot-and-mouth disease virus A  
 Foot-and-mouth disease virus O  
 Foot-and-mouth disease virus C  
 Foot-and-mouth disease virus SAT 1  
 Foot-and-mouth disease virus SAT 2  
 Foot-and-mouth disease virus SAT 3  
 Foot-and-mouth disease virus Asia 1
- 79 Avihepatovirus –duck hepatitis A**
- 80 Cardiovirus -infects mostly swine and elephants**  
 Encephalomyocarditis virus  
 Theilovirus
- 81 Enterovirus** - spread through the fecal-oral route. Infection can result in a wide variety of symptoms ranging from mild respiratory illness (common cold), hand, foot and mouth disease, acute hemorrhagic conjunctivitis, aseptic meningitis, myocarditis, severe neonatal sepsis-like disease, and acute flaccid paralysis. Poliomyelitis is the most notable disease caused by Enteroviruses although some suspect the disease is the result of the polio vaccine rather than natural exposure.  
 Bovine enterovirus  
 Human enterovirus A (EV-71, EV-76, EV-89, EV-90, EV-91, EV-92)  
 or Coxsackie (CV-A2, CV-A3, CV-A4, CV-A5, CV-A6, CV-A7, CV-A8, CV-A10, CV-A12, CV-A14, & CV-A16)  
 Human enterovirus B (EV-69, EV-73, EV-74, EV-75, EV-77, EV-78, EV-79, EV-80, EV-81, EV-82, EV-83, EV-84, EV-85, EV-86, EV-87, EV-88, EV-93, EV-97, EV-98, EV-100, EV-101, EV-106, EV-107)  
 or Echovirus (E-1, E-2, E-3, E-4, E-5, E-6, E-7, E-8, E-9, E-11, E-12, E-13, E-14, E-15, E-16, E-17, E-18, E-19, E20, E-21, E-24, E-25, E-26, E-27, E-29, E-30, E-31, E-32, E-33)  
 or Coxsackie (CV-B1, CV-B2, CV-B3, CV-B4, CV-B5, CV-B6, CV-A9, & CV-A23)  
 Human enterovirus C (EV-95, EV-96, EV-99, EV-102, EV-104, EV-105, EV-109)  
 or poliovirus (PV-1, PV-2, & PV-3)  
 or Coxsackie (CV-A1, CV-A11, CV-A13, CV-A17, CV-A19, CV-A20, CV-A21, CV-A22, & CV-A24)  
 Human enterovirus D (EV-68, EV-70, EV-94)  
 Porcine enterovirus B  
 Simian enterovirus A
- 82 Rhinovirus –cause of the common cold, and part of Enteroviruses but it was given its own vial.**  
 Human rhinovirus A (HRV-1, HRV-2, HRV-7, HRV-8, HRV-9, HRV-10, HRV-11, HRV-12, HRV-13, HRV-15, HRV-16, HRV-18, HRV-19, HRV-20, HRV-21, HRV-22, HRV-23, HRV-24, HRV-25, HRV-28, HRV-29, HRV-30, HRV-31, HRV-32, HRV-33, HRV-34, HRV-36, HRV-38, HRV-39, HRV-40, HRV-41, HRV-43, HRV-44, HRV-45, HRV-46, HRV-47, HRV-49, HRV-50, HRV-51, HRV-53, HRV-54, HRV-55, HRV-56, HRV-57, HRV-58, HRV-59, HRV-60, HRV-61, HRV-62, HRV-63, HRV-64, HRV-65, HRV-66, HRV-67, HRV-68, HRV-71, HRV-73, HRV-74, HRV-75, HRV-76, HRV-77, HRV-78, HRV-80, HRV-81, HRV-82, HRV-85, HRV-88, HRV-89, HRV-90, HRV-94, HRV-95, HRV-96, HRV-98, HRV-100)  
 Human rhinovirus B (HRV-3, HRV-4, HRV-5, HRV-6, HRV-14, HRV-17, HRV-26, HRV-27, HRV-35, HRV-37, HRV-42, HRV-48, HRV-52, HRV-69, HRV-70, HRV-72, HRV-79, HRV-83, HRV-84, HRV-86, HRV-91, HRV-92, HRV-93, HRV-97, HRV-99)  
 Human rhinovirus C
- 83. Erbovirus –respiratory disease in horses.**  
 Equine rhinitis B virus
- 84 Hepatovirus –causes Hepatitis A**  
 Hepatitis A virus
- 85 Kobuvirus -infect cattle and swine**  
 Aichi virus  
 Bovine kobuvirus  
 Porcine kobuvirus
- 86 Parechovirus**  
 Human parechovirus -causes mild gastrointestinal or respiratory illness  
 Ljungan virus -malformations, intra-uterine fetal death, and sudden infant death in humans
- 87 Sapelovirus –little known about this virus.**
- 88 Senecavirus –little known, it is being studied as a cancer killing virus.**  
 Seneca valley.virus-001
- 89 Teschovirus -causes encephalomyelitis in pigs**  
 Porcine teschovirus
- 90 Tremovirus –little known about this virus.**



**POLYOMAVIRUS** -All the polyomaviruses are highly common childhood and young adult infections. Most of these infections appear to cause little or no symptoms. These viruses are probably life-long persistent among almost all adults. Diseases caused by human polyomavirus infections are most common among persons who become immunosuppressed, which are then considered to be viruses that cause tumors; Budgerigar is a frequent cause of death in caged birds.

**91 Polyomavirus**

- |                                    |   |
|------------------------------------|---|
| African green monkey polyomavirus  | Merkel cell polyomavirus                          |
| Baboon polyomavirus 2              | Murine pneumotropic virus                         |
| BK polyomavirus                    | Murine polyomavirus                               |
| Bovine polyomavirus                | Rabbit kidney vacuolating virus                   |
| Budgerigar fledgling disease virus | Simian virus 12                                   |
| Hamster polyomavirus               | Simian virus 40                                   |
| JC polyomavirus                    | Trichodysplasia spinulosa-associated polyomavirus |
| Karolinska institute poliomyovirus | Washington university polyomavirus                |

**POXVIRUS** -The smallpox virus remains the most notable member of the family. Most of the names below describe what animal or insect that virus infects. Smallpox localizes in small blood vessels of the skin and in the mouth and throat. In the skin, this results in a characteristic maculopapular rash, and later, raised fluid-filled blisters. V. major produces a more serious disease and has an overall mortality rate of 30–35%. V. minor causes a milder form of disease which kills about 1% of its victims. Long-term complications of V. major infection include characteristic scars, commonly on the face, which occur in 65–85% of survivors. Blindness resulting from corneal ulceration and scarring, and limb deformities due to arthritis and osteomyelitis are less common complications, seen in about 2–5% of cases.

**92 Avipoxvirus**

- |                 |                     |
|-----------------|---------------------|
| Canarypox virus | Psittacinepox virus |
| Fowlpox virus   | Quailpox virus      |
| Juncopox virus  | Sparrowpox virus    |
| Mynahpox virus  | Starlingpox virus   |
| Pigeonpox virus | Turkeypox virus     |

**93 Capripoxvirus**

- |                           |                |
|---------------------------|----------------|
| Goatpox virus,            | Sheeppox virus |
| Lumpy skin disease virus, |                |

**94 Cervidpoxvirus**

- Deerpox virus

**95 Leporipoxvirus**

- |                     |                        |
|---------------------|------------------------|
| Hare fibroma virus, | Rabbit fibroma virus,  |
| Myxoma virus,       | Squirrel fibroma virus |

**96 Molluscipoxvirus**

- Molluscum contagiosum virus

**97 Orthopoxvirus**

- |                  |   |
|------------------|---|
| Camelpox virus   | Vaccinia virus – <i>vaccine used to kill smallpox</i> |
| Cowpox virus     | Variola (major & minor) virus = <i>smallpox</i>       |
| Ectromelia virus | Volepox virus   |
| Monkeypox virus  | Buffalopox virus                                      |
| Raccoonpox virus | Rabbitpox virus                                       |
| Taterapox virus  |   |

**98 Parapoxvirus**

- |                                  |   |
|----------------------------------|---|
| Auzduk disease virus             | Orf virus                               |
| Chamois contagious ecthyma virus | Parapoxvirus of red deer in New Zealand |
| Sealpox virus.                   | Pseudocowpox virus                      |
| Bovine papular stomatitis virus  |   |

**99 Suipoxvirus**

- Swinepox virus

**100 Yatapoxvirus**

- |               |                         |
|---------------|-------------------------|
| Tanapox virus | Yaba monkey tumor virus |
|---------------|-------------------------|

**101 Alphaentomopoxvirus**

- |                                       |                                      |
|---------------------------------------|--------------------------------------|
| Anomala cuprea entomopoxvirus         | Figulus subleavis entomopoxvirus     |
| Aphodius tasmaniae entomopoxvirus     | Geotrupes sylvaticus entomopoxvirus  |
| Demodema boranensis entomopoxvirus    | Melolontha melolontha entomopoxvirus |
| Dermolepida albohirtum entomopoxvirus |                                      |

**102 Betaentomopoxvirus**

- |   |  |
|---|--|
| Acrobasis zelleri entomopoxvirus 'L'        | Chorizagrotis auxiliars entomopoxvirus 'L' |
| Amsacta moorei entomopoxvirus 'L'           | Heliiothis armigera entomopoxvirus 'L'     |
| Arphia conspersa entomopoxvirus 'O'         | Locusta migratoria entomopoxvirus 'O'      |
| Choristoneura biennis entomopoxvirus 'L'    | Oedaleus senigalensis entomopoxvirus 'O'   |
| Choristoneura conflicti entomopoxvirus 'L'  | Operophtera brumata entomopoxvirus 'L'     |
| Choristoneura diversuma entomopoxvirus 'L'  | Schistocera gregaria entomopoxvirus 'O'    |
| Choristoneura fumiferana entomopoxvirus 'L' |  |

**103 Gammaentomopoxvirus**

- |   |  |
|---|--|
| Aedes aegypti entomopoxvirus            | Chironomus plumosus entomopoxvirus           |
| Camptochironomus tentans entomopoxvirus | Goeldichironomus haloprasimus entomopoxvirus |
| Chironomus attenuatus entomopoxvirus    | Diachasmimorpha entomopoxvirus               |
| Chironomus luridus entomopoxvirus       |  |

**REOVIRUS** -Reovirus infection occurs often in humans, but most cases are mild or subclinical. Can affect the gastrointestinal system (such as Rotavirus) and respiratory tract.

<b>104</b>	<b>Cardoreovirus</b> –infects crabs	
<b>105</b>	<b>Mimoreovirus</b>	
<b>106</b>	<b>Orbivirus</b>	
	African horse sickness virus	Lebombo virus
	Bluetongue virus	Orungo virus
	Changuinola virus	Palyam virus
	Chenuda virus	Peruvian horse sickness virus
	Chobar Gorge virus	St Croix River virus
	Corriparta virus	Umatilla virus
	Epizootic hemorrhagic disease virus	Wad Medani virus
	Equine encephalosis virus	Wallal virus
	Eubenangee virus	Warrego virus
	Great Island virus	Wongorr virus
	Ieri virus	Yunnan orbivirus
<b>107</b>	<b>Phytoreovirus</b>	
	Rice dwarf virus	Wound tumor virus
	Rice gall dwarf virus	
<b>108</b>	<b>Rotavirus</b> -causes diarrhea, transmitted fecal-oral route	
	Rotavirus A	Rotavirus D
	Rotavirus B	Rotavirus E
	Rotavirus C	
<b>109</b>	<b>Seadornavirus</b>	
<b>110</b>	<b>Aquareovirus</b>	
<b>111</b>	<b>Coltivirus</b>	
	Colorado tick fever virus	Eyach virus
<b>112</b>	<b>Cypovirus</b> -infect insects	
	Cypovirus 1	Cypovirus 9
	Cypovirus 2	Cypovirus 10
	Cypovirus 3	Cypovirus 11
	Cypovirus 4	Cypovirus 12
	Cypovirus 5	Cypovirus 13
	Cypovirus 6	Cypovirus 14
	Cypovirus 7	Cypovirus 15
	Cypovirus 8	Cypovirus 16
<b>113</b>	<b>Dinovernavirus</b>	
<b>114</b>	<b>Fijivirus</b> -infect plants	
	Fiji disease virus	Nilaparvata lugens reovirus
	Garlic dwarf virus	Oat sterile dwarf virus
	Maize rough dwarf virus	Pangola stunt virus
	Mal del Rio Cuarto virus	Rice black streaked dwarf virus
<b>115</b>	<b>Idnoreovirus</b>	
<b>116</b>	<b>Mycoreovirus</b>	
<b>117</b>	<b>Orthoreovirus</b> -infect mice and birds	
	Avian orthoreovirus	Nelson Bay orthoreovirus
	Baboon orthoreovirus	Reptilian orthoreovirus
	Mammalian orthoreovirus	
<b>118</b>	<b>Oryzavirus</b> -infect rice	
	Echinochloa ragged stunt virus	Rice ragged stunt virus
<b>RETROVIRUS</b> -immune compromising and tumor/cancer/leukemia forming viruses (may cause demyelination)		
<b>119</b>	<b>Alpharetrovirus</b>	
	Avian carcinoma Mill Hill virus 2	Fujinami sarcoma virus
	Avian leukosis virus	Rous sarcoma virus
	Avian myeloblastosis virus	UR2 sarcoma virus
	Avian myelocytomatosis virus 29	Y73 sarcoma virus
	Avian sarcoma virus CT10	
<b>120</b>	<b>Betaretrovirus</b>	
	Jaagsiekte sheep retrovirus	Mouse mammary tumor virus
	Langur virus	Squirrel monkey retrovirus
	Mason-Pfizer monkey virus	
<b>121</b>	<b>Deltaretrovirus</b>	
	Bovine leukemia virus	T-lymphotropic virus 2
	T-lymphotropic virus 1	T-lymphotropic virus 3
<b>122</b>	<b>Epsilonretrovirus</b>	
	Walleye dermal sarcoma virus	Walleye epidermal hyperplasia virus 2
	Walleye epidermal hyperplasia virus 1	

- 123 Gammaretrovirus**  
 Feline leukemia virus  
 Gibbon ape leukemia virus  
 Guinea pig type-C oncovirus  
 Porcine type-C oncovirus  
 Murine leukemia virus  
 Finkel-Biskis-Jinkins murine sarcoma virus  
 Gardner-Arnstein feline sarcoma virus  
 Hardy-Zuckerman feline sarcoma virus  
 Harvey murine sarcoma virus  
 Kirsten murine sarcoma virus  
 Moloney murine sarcoma virus  
 Snyder-Theilen feline sarcoma virus  
 Woolly monkey sarcoma virus  
 Viper retrovirus  
 Chick syncytial virus  
 Reticuloendotheliosis virus  
 Trager duck spleen necrosis virus
- 124 Lentivirus**  
 Bovine immunodeficiency virus  
 Equine infectious anemia virus  
 Feline immunodeficiency virus  
 Puma lentivirus  
 Caprine arthritis encephalitis virus  
 Visna/maedi virus  
 Human immunodeficiency virus 1  
 Human immunodeficiency virus 2  
 Simian immunodeficiency virus
- 125 Spumavirus**  
 African green monkey simian foamy virus  
 Macaque simian foamy virus  
 Bovine foamy virus  
 Equine foamy virus  
 Feline foamy virus

**RHABDOVIRUS**

- 126 Cytorhabdovirus -plant viruses**  
 Barley yellow striate mosaic virus  
 Broccoli necrotic yellows virus  
 Festuca leaf streak virus  
 Lettuce necrotic yellows virus  
 Northern cereal mosaic virus  
 Sonchus virus  
 Strawberry crinkle virus  
 Wheat American striate mosaic virus
- 127 Dichorhabdovirus**  
 Orchid fleck virus
- 128 Ephemerovirus -cattle virus**  
 Adelaide River virus  
 Berrimah virus  
 Bovine ephemeral fever virus
- 129 Lyssavirus –cause rabies**  
 Aravan virus  
 Australian bat lyssavirus  
 Duvenhage virus  
 European bat lyssavirus 1  
 European bat lyssavirus 2  
 Irkut virus  
 Khujand virus  
 Lagos bat virus  
 Mokola virus -rodent virus  
 West Caucasian bat virus  
 Shimoni bat virus  
 Rabies virus
- 130 Novirhabdovirus -marine and freshwater fish virus**  
 Hirame rhabdovirus  
 Infectious hematopoietic necrosis virus  
 Viral hemorrhagic septicemia virus  
 Snakehead rhabdovirus
- 131 Nucleorhabdovirus -plant virus**  
 Datura yellow vein virus  
 Eggplant mottled dwarf virus  
 Maize mosaic virus  
 Potato yellow dwarf virus \*  
 Rice yellow stunt virus  
 Sonchus yellow net virus  
 Sowthistle yellow vein virus
- 132 Vesiculovirus -insects and cattle virus**  
 Vesicular stomatitis Indiana virus  
 Carajas virus  
 Chandipura virus -sandgly virus  
 Cocal virus  
 Isfahan virus  
 Maraba virus  
 Piry virus  
 Vesicular stomatitis Alagoas virus  
 Vesicular stomatitis New Jersey virus

**RONIVIRUS –infects crustaceans, mostly prawns**

- 133 Okavirus**  
 Gill-associated virus

**SECOVIRUS –plant infecting viruses**

- 134 Cheravirus**  
 Apple latent spherical virus  
 Cherry rasp leaf virus
- 135 Sadwavirus**  
 Satsuma mandarin trees  
 Satsuma dwarf virus
- 136 Sequivirus**
- 137 Torradovirus**
- 138 Waikavirus**
- 139 Comovirus -Cowpea mosaic virus**
- 140 Fabavirus -Broad bean wilt virus 1**

**141 Nepovirus -Tobacco ringspot virus**

Apricot latent ringspot virus  
Arabidopsis mosaic virus  
Arracacha virus A  
Artichoke Aegean ringspot virus  
Artichoke Italian latent virus  
Artichoke yellow ringspot virus  
Beet ringspot virus  
Blackcurrant reversion virus  
Blueberry leaf mottle virus  
Cassava American latent virus  
Cassava green mottle virus  
Cherry leaf roll virus  
Chicory yellow mottle virus  
Cocoa necrosis virus  
Crimson clover latent virus  
Cycas necrotic stunt virus  
Grapevine Anatolian ringspot virus

Grapevine Bulgarian latent virus  
Grapevine chrome mosaic virus  
Grapevine deformation virus  
Grapevine fanleaf virus  
Grapevine Tunisian ringspot virus  
Hibiscus latent ringspot virus  
Lucerne Australian latent virus  
Mulberry ringspot virus  
Myrobalan latent ringspot virus  
Olive latent ringspot virus  
Peach rosette mosaic virus  
Potato black ringspot virus  
Potato virus U  
Raspberry ringspot virus  
Tobacco ringspot virus  
Tomato black ring virus  
Tomato ringspot virus

**142 Black raspberry necrosis virus**

**143 Black raspberry mild mosaic virus**

**144 Strawberry latent ringspot virus**

**145 Aesculus line pattern virus**

**146 Rhubarb virus 5**

**147 Strawberry mottle virus**

**148 Strawberry mild crinkle virus**

TOGAVIRUS

**149 Alphavirus** or Sinbis.virus -most are bird or monkey cause arthritis, encephalitis, rashes and fever

Ara virus  
Barmah Forest virus  
Bebaru virus  
Cabassou virus  
Chikungunya virus  
Eastern equine encephalitis virus  
Everglades virus  
Fort Morgan virus  
Getah virus  
Highlands J virus  
Mayaro virus  
Middelburg virus  
Mosso das Pedras virus  
Mucambo virus  
Ndumu virus

O'nyong-nyong virus  
Pixuna virus  
Rio Negro virus  
Ross River virus  
Salmon pancreas disease virus  
Semliki Forest virus  
Sindbis virus  
Southern elephant seal virus  
Tonate virus  
Trocara virus  
Una virus  
Venezuelan equine encephalitis virus  
Western equine encephalitis virus  
Whataroa virus

**150 Rubivirus** –causes rubella (german measles) and congenital rubella syndrome. Only known to infect humans.

Rubella virus