# MeSH Tree Structures - 2014

## B4 - ORGANISMS-VIRUSES

**Viruses**

| | | | |
|---|---|---|---|
| Viruses | B4 | | |
| Arboviruses | B4.80 | | |
| Archaeal Viruses | B4.100 | | |
| Fuselloviridae | B4.100.224 | B4.280. | |
| Guttaviridae | B4.100.250 | B4.280. | |
| Lipothrixviridae | B4.100.450 | B4.280. | |
| Myoviridae | B4.100.500 | B4.123. | B4.280. |
| Rudiviridae | B4.100.700 | B4.280. | |
| Siphoviridae | B4.100.750 | B4.123. | B4.280. |
| Bacteriophages | B4.123 | | |
| Bacillus Phages | B4.123.100 | | |
| Caudovirales | B4.123.150 | B4.280. | |
| Myoviridae | B4.123.150.500 | B4.100. | B4.280. |
| Bacteriophage mu | B4.123.150.500.260 | B4.123. | B4.280. |
| Bacteriophage P1 | B4.123.150.500.300 | B4.123. | B4.280. |
| Bacteriophage P2 | B4.123.150.500.305 | B4.123. | B4.280. |
| Bacteriophage T4 | B4.123.150.500.350 | B4.123. | B4.280. |
| Podoviridae | B4.123.150.700 | B4.280. | |
| Bacteriophage N4 | B4.123.150.700.65 | B4.123. | B4.280. |
| Bacteriophage P22 | B4.123.150.700.70 | B4.123. | B4.280. |
| Bacteriophage T3 | B4.123.150.700.100 | B4.123. | B4.280. |
| Bacteriophage T7 | B4.123.150.700.230 | B4.123. | B4.280. |
| Siphoviridae | B4.123.150.800 | B4.100. | B4.280. |
| Bacteriophage HK022 | B4.123.150.800.200 | B4.123. | B4.280. |
| Bacteriophage lambda | B4.123.150.800.230 | B4.123. | B4.280. |
| Coliphages | B4.123.205 | | |
| Bacteriophage HK022 | B4.123.205.200 | B4.123. | B4.280. |
| Bacteriophage lambda | B4.123.205.230 | B4.123. | B4.280. |
| Bacteriophage M13 | B4.123.205.250 | B4.123. | B4.280. |
| Bacteriophage mu | B4.123.205.260 | B4.123. | B4.280. |
| Bacteriophage N4 | B4.123.205.280 | B4.123. | B4.280. |
| Bacteriophage P1 | B4.123.205.300 | B4.123. | B4.280. |
| Bacteriophage P2 | B4.123.205.305 | B4.123. | B4.280. |
| Bacteriophage phi X 174 | B4.123.205.320 | B4.123. | B4.280. |
| Bacteriophage PRD1 | B4.123.205.350 | B4.123. | |
| Leviviridae | B4.123.205.600 | B4.123. | B4.123. |
| | | B4.820. | |
| Allolevivirus | B4.123.205.600.50 | B4.123. | B4.123. |
| | | B4.820. | |
| Levivirus | B4.123.205.600.500 | B4.123. | B4.123. |
| | | B4.820. | |
| T-Phages | B4.123.205.891 | | |
| Bacteriophage T3 | B4.123.205.891.100 | B4.123. | B4.280. |
| Bacteriophage T4 | B4.123.205.891.200 | B4.123. | B4.280. |
| Bacteriophage T7 | B4.123.205.891.230 | B4.123. | B4.280. |
| Corticoviridae | B4.123.210 | | |
| Cystoviridae | B4.123.230 | B4.123. | B4.820. |
| Bacteriophage phi 6 | B4.123.230.70 | B4.123. | B4.123. |
| | | B4.820. | |
| Inoviridae | B4.123.370 | B4.280. | |
| Inovirus | B4.123.370.400 | B4.280. | |
| Bacteriophage IKe | B4.123.370.400.240 | B4.280. | |
| Bacteriophage M13 | B4.123.370.400.250 | B4.123. | B4.280. |
| Bacteriophage Pf1 | B4.123.370.400.300 | B4.123. | B4.280. |
| Plectrovirus | B4.123.370.600 | B4.280. | |
| Leviviridae | B4.123.450 | B4.123. | B4.123. |
| | | B4.820. | |

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| Viruses | | | |
| Bacteriophages | | | |
| Leviviridae | | | |
| Allolevivirus | | | |
| Allolevivirus | B4.123.450.50 | B4.123.<br>B4.820. | B4.123. |
| Levivirus | B4.123.450.500 | B4.123.<br>B4.820. | B4.123. |
| Microviridae | B4.123.470 | B4.280. | |
| Microvirus | B4.123.470.500 | B4.280. | |
| Bacteriophage phi X 174 | B4.123.470.500.320 | B4.123. | B4.280. |
| Mycobacteriophages | B4.123.502 | | |
| Prophages | B4.123.655 | | |
| Pseudomonas Phages | B4.123.660 | | |
| Bacteriophage Pf1 | B4.123.660.535 | B4.123. | B4.280. |
| Bacteriophage phi 6 | B4.123.660.550 | B4.123.<br>B4.820. | B4.123. |
| RNA Phages | B4.123.691 | | |
| Cystoviridae | B4.123.691.230 | B4.123. | B4.820. |
| Bacteriophage phi 6 | B4.123.691.230.70 | B4.123.<br>B4.820. | B4.123. |
| Leviviridae | B4.123.691.600 | B4.123.<br>B4.820. | B4.123. |
| Allolevivirus | B4.123.691.600.50 | B4.123.<br>B4.820. | B4.123. |
| Levivirus | B4.123.691.600.500 | B4.123.<br>B4.820. | B4.123. |
| Salmonella Phages | B4.123.706 | | |
| Bacteriophage P22 | B4.123.706.70 | B4.123. | B4.280. |
| Staphylococcus Phages | B4.123.831 | | |
| Streptococcus Phages | B4.123.850 | | |
| Tectiviridae | B4.123.900 | B4.280. | |
| Bacteriophage PRD1 | B4.123.900.150 | B4.123. | |
| Defective Viruses | B4.265 | | |
| Hepatitis Delta Virus | B4.265.270 | B4.450. | B4.909. |
| Sarcoma Viruses, Feline | B4.265.590 | B4.820.<br>B4.909. | B4.909. |
| Sarcoma Viruses, Murine | B4.265.600 | B4.820.<br>B4.909. | B4.909. |
| Harvey murine sarcoma virus | B4.265.600.400 | B4.820.<br>B4.909. | B4.909. |
| Kirsten murine sarcoma virus | B4.265.600.500 | B4.820.<br>B4.909. | B4.909. |
| Moloney murine sarcoma virus | B4.265.600.600 | B4.820.<br>B4.909. | B4.909. |
| Satellite Viruses | B4.265.658 | | |
| Tobacco mosaic satellite virus | B4.265.658.850 | | |
| Tobacco necrosis satellite virus | B4.265.658.860 | | |
| SSPE Virus | B4.265.700 | B4.820. | B4.909. |
| DNA Viruses | B4.280 | B4.909. | |
| Adenoviridae | B4.280.30 | B4.909. | |
| Atadenovirus | B4.280.30.80 | B4.909. | |
| Aviadenovirus | B4.280.30.100 | B4.909. | |
| Fowl adenovirus A | B4.280.30.100.250 | B4.909. | |
| Mastadenovirus | B4.280.30.500 | B4.909. | |
| Adenoviruses, Canine | B4.280.30.500.200 | B4.450. | B4.909. |
| Adenoviruses, Human | B4.280.30.500.350 | B4.909. | |
| Adenoviruses, Porcine | B4.280.30.500.675 | B4.909. | |
| Adenoviruses, Simian | B4.280.30.500.700 | B4.909. | |
| Siadenovirus | B4.280.30.750 | B4.909. | |
| Anellovirus | B4.280.37 | B4.909. | B4.970. |
| Torque teno virus | B4.280.37.800 | B4.909. | B4.970. |
| Ascoviridae | B4.280.45 | B4.525. | |

**Viruses**
**DNA Viruses**
**Asfarviridae**

| | | | |
|---|---|---|---|
| Asfarviridae | B4.280.49 | B4.909. | |
| African Swine Fever Virus | B4.280.49.35 | B4.909. | |
| Baculoviridae | B4.280.65 | B4.525. | |
| Granulovirus | B4.280.65.249 | B4.525. | |
| Nucleopolyhedrovirus | B4.280.65.500 | B4.525. | |
| Caudovirales | B4.280.90 | B4.123. | |
| Myoviridae | B4.280.90.500 | B4.100. | B4.123. |
| Bacteriophage mu | B4.280.90.500.260 | B4.123. | B4.123. |
| Bacteriophage P1 | B4.280.90.500.300 | B4.123. | B4.123. |
| Bacteriophage P2 | B4.280.90.500.305 | B4.123. | B4.123. |
| Bacteriophage T4 | B4.280.90.500.350 | B4.123. | B4.123. |
| Podoviridae | B4.280.90.700 | B4.123. | |
| Bacteriophage N4 | B4.280.90.700.65 | B4.123. | B4.123. |
| Bacteriophage P22 | B4.280.90.700.70 | B4.123. | B4.123. |
| Bacteriophage T3 | B4.280.90.700.100 | B4.123. | B4.123. |
| Bacteriophage T7 | B4.280.90.700.230 | B4.123. | B4.123. |
| Siphoviridae | B4.280.90.800 | B4.100. | B4.123. |
| Bacteriophage HK022 | B4.280.90.800.200 | B4.123. | B4.123. |
| Bacteriophage lambda | B4.280.90.800.230 | B4.123. | B4.123. |
| Caulimoviridae | B4.280.92 | B4.715. | |
| Badnavirus | B4.280.92.74 | B4.715. | B4.715. |
| Caulimovirus | B4.280.92.150 | B4.715. | B4.715. |
| Tungrovirus | B4.280.92.850 | B4.715. | B4.715. |
| Circoviridae | B4.280.120 | B4.909. | |
| Circovirus | B4.280.120.150 | B4.909. | |
| Gyrovirus | B4.280.120.400 | B4.909. | |
| Chicken anemia virus | B4.280.120.400.150 | B4.909. | |
| Fuselloviridae | B4.280.224 | B4.100. | |
| Geminiviridae | B4.280.350 | B4.715. | |
| Begomovirus | B4.280.350.100 | B4.715. | |
| Maize streak virus | B4.280.350.500 | B4.715. | |
| Guttaviridae | B4.280.362 | B4.100. | |
| Hepadnaviridae | B4.280.375 | B4.450. | B4.909. |
| Avihepadnavirus | B4.280.375.100 | B4.450. | B4.909. |
| Hepatitis B Virus, Duck | B4.280.375.100.450 | B4.450. | B4.909. |
| Orthohepadnavirus | B4.280.375.650 | B4.450. | B4.909. |
| Hepatitis B virus | B4.280.375.650.425 | B4.450. | B4.909. |
| Hepatitis B Virus, Woodchuck | B4.280.375.650.460 | B4.450. | B4.909. |
| Herpesviridae | B4.280.382 | B4.909. | |
| Alphaherpesvirinae | B4.280.382.100 | B4.909. | |
| Iltovirus | B4.280.382.100.374 | B4.909. | |
| Herpesvirus 1, Gallid | B4.280.382.100.374.450 | B4.909. | |
| Mardivirus | B4.280.382.100.562 | B4.909. | |
| Herpesvirus 2, Gallid | B4.280.382.100.562.400 | B4.909. | |
| Herpesvirus 3, Gallid | B4.280.382.100.562.405 | B4.909. | |
| Herpesvirus 1, Meleagrid | B4.280.382.100.562.550 | B4.909. | |
| Simplexvirus | B4.280.382.100.750 | B4.909. | |
| Herpesvirus 2, Bovine | B4.280.382.100.750.200 | B4.909. | |
| Herpesvirus 1, Cercopithecine | B4.280.382.100.750.350 | B4.909. | |
| Herpesvirus 1, Human | B4.280.382.100.750.390 | B4.909. | |
| Herpesvirus 2, Human | B4.280.382.100.750.440 | B4.909. | |
| Varicellovirus | B4.280.382.100.900 | B4.909. | |
| Herpesvirus 1, Bovine | B4.280.382.100.900.400 | B4.909. | |
| Herpesvirus 5, Bovine | B4.280.382.100.900.410 | B4.909. | |
| Herpesvirus 1, Canid | B4.280.382.100.900.420 | B4.909. | |
| Herpesvirus 1, Equid | B4.280.382.100.900.430 | B4.909. | |
| Herpesvirus 3, Equid | B4.280.382.100.900.435 | B4.909. | |
| Herpesvirus 4, Equid | B4.280.382.100.900.440 | B4.909. | |

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| **Viruses** | | | |
| **DNA Viruses** | | | |
| **Herpesviridae** | | | |
| **Alphaherpesvirinae** | | | |
| **Varicellovirus** | | | |
| **Herpesvirus 3, Human** | | | |
| **Herpesvirus 3, Human** | B4.280.382.100.900.460 | B4.909. | |
| **Herpesvirus 1, Suid** | B4.280.382.100.900.510 | B4.909. | |
| **Betaherpesvirinae** | B4.280.382.150 | B4.909. | |
| **Cytomegalovirus** | B4.280.382.150.150 | B4.909. | |
| **Muromegalovirus** | B4.280.382.150.500 | B4.909. | |
| **Roseolovirus** | B4.280.382.150.750 | B4.909. | |
| **Herpesvirus 6, Human** | B4.280.382.150.750.400 | B4.909. | |
| **Herpesvirus 7, Human** | B4.280.382.150.750.420 | B4.909. | |
| **Gammaherpesvirinae** | B4.280.382.400 | B4.909. | B4.909. |
| | | B4.909. | |
| **Lymphocryptovirus** | B4.280.382.400.500 | B4.909. | B4.909. |
| | | B4.909. | |
| **Herpesvirus 4, Human** | B4.280.382.400.500.450 | B4.909. | B4.909. |
| | | B4.909. | |
| **Rhadinovirus** | B4.280.382.400.700 | B4.909. | B4.909. |
| | | B4.909. | |
| **Herpesvirus 4, Bovine** | B4.280.382.400.700.300 | B4.909. | B4.909. |
| | | B4.909. | |
| **Herpesvirus 8, Human** | B4.280.382.400.700.330 | B4.909. | B4.909. |
| | | B4.909. | |
| **Herpesvirus 2, Saimiriine** | B4.280.382.400.700.400 | B4.909. | B4.909. |
| | | B4.909. | |
| **Herpesvirus 1, Ranid** | B4.280.382.500 | B4.909. | B4.909. |
| | | B4.909. | |
| **Ictalurivirus** | B4.280.382.530 | | |
| **Inoviridae** | B4.280.400 | B4.123. | |
| **Inovirus** | B4.280.400.400 | B4.123. | |
| **Bacteriophage IKe** | B4.280.400.400.240 | B4.123. | |
| **Bacteriophage M13** | B4.280.400.400.250 | B4.123. | B4.123. |
| **Bacteriophage Pf1** | B4.280.400.400.300 | B4.123. | B4.123. |
| **Plectrovirus** | B4.280.400.600 | B4.123. | |
| **Iridoviridae** | B4.280.410 | B4.909. | |
| **Iridovirus** | B4.280.410.400 | B4.525. | |
| **Ranavirus** | B4.280.410.700 | B4.909. | |
| **Lipothrixviridae** | B4.280.450 | B4.100. | |
| **Microviridae** | B4.280.470 | B4.123. | |
| **Microvirus** | B4.280.470.500 | B4.123. | |
| **Bacteriophage phi X 174** | B4.280.470.500.320 | B4.123. | B4.123. |
| **Mimiviridae** | B4.280.475 | | |
| **Nanoviridae** | B4.280.498 | B4.715. | |
| **Nanovirus** | B4.280.498.500 | B4.715. | B4.970. |
| **Nimaviridae** | B4.280.505 | | |
| **White spot syndrome virus 1** | B4.280.505.900 | | |
| **Papillomaviridae** | B4.280.535 | B4.909. | B4.909. |
| | | B4.909. | |
| **Alphapapillomavirus** | B4.280.535.50 | B4.909. | B4.909. |
| | | B4.909. | |
| **Human papillomavirus 6** | B4.280.535.50.606 | B4.909. | B4.909. |
| | | B4.909. | |
| **Human papillomavirus 11** | B4.280.535.50.606.611 | B4.909. | B4.909. |
| | | B4.909. | |
| **Human papillomavirus 16** | B4.280.535.50.616 | B4.909. | B4.909. |
| | | B4.909. | |
| **Human papillomavirus 18** | B4.280.535.50.618 | B4.909. | B4.909. |
| | | B4.909. | |
| **Human papillomavirus 31** | B4.280.535.50.631 | | |
| **Betapapillomavirus** | B4.280.535.100 | B4.909. | B4.909. |
| | | B4.909. | |

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| **Viruses** | | | |
| **DNA Viruses** | | | |
| **Papillomaviridae** | | | |
| **Deltapapillomavirus** | | | |
| **Deltapapillomavirus** | B4.280.535.200 | B4.909.<br>B4.909. | B4.909. |
| **Bovine papillomavirus 1** | B4.280.535.200.100 | B4.909.<br>B4.909. | B4.909. |
| **Gammapapillomavirus** | B4.280.535.400 | B4.909.<br>B4.909. | B4.909. |
| **Kappapapillomavirus** | B4.280.535.500 | B4.909.<br>B4.909. | B4.909. |
| **Cottontail rabbit papillomavirus** | B4.280.535.500.150 | B4.909.<br>B4.909. | B4.909. |
| **Lambdapapillomavirus** | B4.280.535.520 | B4.909.<br>B4.909. | B4.909. |
| **Mupapillomavirus** | B4.280.535.540 | B4.909.<br>B4.909. | B4.909. |
| **Xipapillomavirus** | B4.280.535.950 | B4.909.<br>B4.909. | B4.909. |
| **Bovine papillomavirus 4** | B4.280.535.950.150 | B4.909.<br>B4.909. | B4.909. |
| **Parvoviridae** | B4.280.580 | B4.909. | |
| **Densovirinae** | B4.280.580.150 | B4.525. | |
| **Densovirus** | B4.280.580.150.200 | B4.525. | |
| **Parvovirinae** | B4.280.580.650 | B4.909. | |
| **Amdovirus** | B4.280.580.650.40 | B4.909. | |
| **Aleutian Mink Disease Virus** | B4.280.580.650.40.50 | B4.909. | |
| **Bocavirus** | B4.280.580.650.85 | B4.909. | |
| **Human bocavirus** | B4.280.580.650.85.400 | | |
| **Dependovirus** | B4.280.580.650.170 | B4.909. | |
| **Erythrovirus** | B4.280.580.650.200 | B4.909. | |
| **Parvovirus B19, Human** | B4.280.580.650.200.650 | B4.909. | |
| **Parvovirus** | B4.280.580.650.600 | B4.909. | |
| **Feline panleukopenia virus** | B4.280.580.650.600.325 | B4.909. | |
| **Mink enteritis virus** | B4.280.580.650.600.325.500 | | |
| **Parvovirus, Canine** | B4.280.580.650.600.325.660 | B4.909. | |
| **H-1 parvovirus** | B4.280.580.650.600.437 | B4.909. | |
| **Minute virus of mice** | B4.280.580.650.600.550 | B4.909. | |
| **Parvovirus, Porcine** | B4.280.580.650.600.690 | B4.909. | |
| **Phycodnaviridae** | B4.280.600 | B4.715. | |
| **Polydnaviridae** | B4.280.630 | B4.525. | |
| **Polyomaviridae** | B4.280.640 | B4.909.<br>B4.909. | B4.909. |
| **Polyomavirus** | B4.280.640.615 | B4.909.<br>B4.909. | B4.909. |
| **BK Virus** | B4.280.640.615.100 | B4.909.<br>B4.909. | B4.909. |
| **JC Virus** | B4.280.640.615.400 | B4.909.<br>B4.909. | B4.909. |
| **Merkel cell polyomavirus** | B4.280.640.615.550 | | |
| **Simian virus 40** | B4.280.640.615.700 | B4.909.<br>B4.909. | B4.909. |
| **Poxviridae** | B4.280.650 | B4.909. | |
| **Chordopoxvirinae** | B4.280.650.160 | B4.909. | |
| **Avipoxvirus** | B4.280.650.160.100 | B4.909. | |
| **Canarypox virus** | B4.280.650.160.100.149 | B4.909. | |
| **Fowlpox virus** | B4.280.650.160.100.300 | B4.909. | |
| **Capripoxvirus** | B4.280.650.160.150 | B4.909. | |
| **Lumpy skin disease virus** | B4.280.650.160.150.500 | B4.909. | |
| **Leporipoxvirus** | B4.280.650.160.500 | B4.909.<br>B4.909. | B4.909. |

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| Viruses | | | |
| DNA Viruses | | | |
| Poxviridae | | | |
| Chordopoxvirinae | | | |
| Leporipoxvirus | | | |
| Fibroma Virus, Rabbit | | | |
| Fibroma Virus, Rabbit | B4.280.650.160.500.250 | B4.909. | B4.909. |
| | | B4.909. | |
| Myxoma virus | B4.280.650.160.500.550 | B4.909. | B4.909. |
| | | B4.909. | |
| Molluscipoxvirus | B4.280.650.160.550 | B4.909. | |
| Molluscum contagiosum virus | B4.280.650.160.550.500 | B4.909. | |
| Orthopoxvirus | B4.280.650.160.650 | B4.909. | |
| Cowpox virus | B4.280.650.160.650.150 | B4.909. | |
| Ectromelia virus | B4.280.650.160.650.200 | B4.909. | |
| Monkeypox virus | B4.280.650.160.650.500 | B4.909. | |
| Vaccinia virus | B4.280.650.160.650.900 | B4.909. | |
| Variola virus | B4.280.650.160.650.930 | B4.909. | |
| Parapoxvirus | B4.280.650.160.670 | B4.909. | |
| Orf virus | B4.280.650.160.670.600 | B4.909. | |
| Pseudocowpox virus | B4.280.650.160.670.650 | B4.909. | |
| Suipoxvirus | B4.280.650.160.800 | B4.909. | |
| Yatapoxvirus | B4.280.650.160.980 | B4.909. | B4.909. |
| | | B4.909. | |
| Yaba monkey tumor virus | B4.280.650.160.980.950 | B4.909. | B4.909. |
| | | B4.909. | |
| Entomopoxvirinae | B4.280.650.250 | B4.525. | |
| Rudiviridae | B4.280.775 | B4.100. | |
| Tectiviridae | B4.280.900 | B4.123. | |
| Helper Viruses | B4.423 | | |
| Hepatitis Viruses | B4.450 | | |
| Adenoviruses, Canine | B4.450.100 | B4.280. | B4.909. |
| GB virus B | B4.450.355 | B4.820. | B4.909. |
| GB virus C | B4.450.360 | B4.820. | B4.909. |
| Hepadnaviridae | B4.450.390 | B4.280. | B4.909. |
| Avihepadnavirus | B4.450.390.100 | B4.280. | B4.909. |
| Hepatitis B Virus, Duck | B4.450.390.100.450 | B4.280. | B4.909. |
| Orthohepadnavirus | B4.450.390.650 | B4.280. | B4.909. |
| Hepatitis B virus | B4.450.390.650.425 | B4.280. | B4.909. |
| Hepatitis B Virus, Woodchuck | B4.450.390.650.460 | B4.280. | B4.909. |
| Hepacivirus | B4.450.410 | B4.820. | B4.909. |
| Hepatitis Delta Virus | B4.450.411 | B4.265. | B4.909. |
| Hepatitis E virus | B4.450.412 | B4.820. | B4.909. |
| Hepatitis Virus, Duck | B4.450.416 | B4.820. | B4.909. |
| Hepatovirus | B4.450.420 | B4.820. | B4.909. |
| Hepatitis A virus | B4.450.420.410 | B4.820. | B4.909. |
| Hepatitis A Virus, Human | B4.450.420.410.500 | B4.820. | B4.909. |
| Murine hepatitis virus | B4.450.580 | B4.820. | B4.909. |
| Insect Viruses | B4.525 | | |
| Ascoviridae | B4.525.45 | B4.280. | |
| Baculoviridae | B4.525.100 | B4.280. | |
| Granulovirus | B4.525.100.249 | B4.280. | |
| Nucleopolyhedrovirus | B4.525.100.500 | B4.280. | |
| Densovirinae | B4.525.150 | B4.280. | |
| Densovirus | B4.525.150.150 | B4.280. | |
| Dicistroviridae | B4.525.165 | B4.820. | B4.909. |
| Entomopoxvirinae | B4.525.250 | B4.280. | |
| Iridovirus | B4.525.400 | B4.280. | |
| Nodaviridae | B4.525.515 | B4.820. | |
| Polydnaviridae | B4.525.630 | B4.280. | |
| Oncolytic Viruses | B4.700 | | |
| Plant Viruses | B4.715 | | |
| Badnavirus | B4.715.68 | B4.280. | B4.715. |
| Bromoviridae | B4.715.81 | B4.820. | |

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|---|---|---|---|
| **Viruses** | | | |
| **Plant Viruses** | | | |
| **Bromoviridae** | | | |
| **Alfamovirus** | | | |
| **Alfamovirus** | B4.715.81.50 | B4.715.<br>B4.820. | B4.820. |
| **Alfalfa mosaic virus** | B4.715.81.50.50 | B4.715.<br>B4.820. | B4.820. |
| **Bromovirus** | B4.715.81.80 | B4.715.<br>B4.820. | B4.820. |
| **Cucumovirus** | B4.715.81.180 | B4.715.<br>B4.820. | B4.820. |
| **Ilarvirus** | B4.715.81.400 | B4.820. | |
| **Oleavirus** | B4.715.81.700 | B4.820. | |
| **Caulimoviridae** | B4.715.102 | B4.280. | |
| **Badnavirus** | B4.715.102.74 | B4.280. | B4.715. |
| **Caulimovirus** | B4.715.102.150 | B4.280. | B4.715. |
| **Tungrovirus** | B4.715.102.850 | B4.280. | B4.715. |
| **Closteroviridae** | B4.715.110 | B4.820. | |
| **Closterovirus** | B4.715.110.150 | B4.820. | |
| **Crinivirus** | B4.715.110.175 | B4.820. | |
| **Comoviridae** | B4.715.150 | B4.820. | |
| **Comovirus** | B4.715.150.150 | B4.715.<br>B4.820. | B4.820. |
| **Fabavirus** | B4.715.150.250 | B4.820. | |
| **Nepovirus** | B4.715.150.500 | B4.820. | |
| **Flexiviridae** | B4.715.260 | B4.820. | |
| **Carlavirus** | B4.715.260.150 | B4.820. | |
| **Potexvirus** | B4.715.260.575 | B4.820. | |
| **Geminiviridae** | B4.715.270 | B4.280. | |
| **Begomovirus** | B4.715.270.100 | B4.280. | |
| **Maize streak virus** | B4.715.270.500 | B4.280. | |
| **Luteoviridae** | B4.715.435 | B4.820. | |
| **Luteovirus** | B4.715.435.500 | B4.820. | |
| **Mosaic Viruses** | B4.715.464 | B4.820. | |
| **Alfamovirus** | B4.715.464.40 | B4.715.<br>B4.820. | B4.820. |
| **Alfalfa mosaic virus** | B4.715.464.40.50 | B4.715.<br>B4.820. | B4.820. |
| **Bromovirus** | B4.715.464.80 | B4.715.<br>B4.820. | B4.820. |
| **Caulimovirus** | B4.715.464.100 | B4.280. | B4.715. |
| **Comovirus** | B4.715.464.150 | B4.715.<br>B4.820. | B4.820. |
| **Cucumovirus** | B4.715.464.180 | B4.715.<br>B4.820. | B4.820. |
| **Potyvirus** | B4.715.464.600 | B4.715.<br>B4.820. | B4.820. |
| **Plum Pox Virus** | B4.715.464.600.600 | B4.715.<br>B4.820. | B4.820. |
| **Tobamovirus** | B4.715.464.725 | B4.820. | |
| **Tobacco Mosaic Virus** | B4.715.464.725.800 | B4.820. | |
| **Tymovirus** | B4.715.464.750 | B4.715.<br>B4.820. | B4.820. |
| **Nanoviridae** | B4.715.499 | B4.280. | |
| **Babuvirus** | B4.715.499.100 | | |
| **Nanovirus** | B4.715.499.500 | B4.280. | B4.970. |
| **Phycodnaviridae** | B4.715.600 | B4.280. | |
| **Potyviridae** | B4.715.635 | B4.820. | |
| **Potyvirus** | B4.715.635.600 | B4.715.<br>B4.820. | B4.820. |
| **Plum Pox Virus** | B4.715.635.600.600 | B4.715.<br>B4.820. | B4.820. |

**Viruses**
**Plant Viruses**
**Sequiviridae**

| | | | |
|---|---|---|---|
| **Sequiviridae** | B4.715.750 | B4.820. | |
| **Sequivirus** | B4.715.750.750 | B4.820. | |
| **Waikavirus** | B4.715.750.900 | B4.820. | |
| **Tenuivirus** | B4.715.780 | B4.820. | B4.909. |
| **Tombusviridae** | B4.715.810 | B4.820. | |
| **Carmovirus** | B4.715.810.150 | B4.820. | |
| **Tombusvirus** | B4.715.810.870 | B4.820. | |
| **Tospovirus** | B4.715.820 | B4.820. | |
| **Tungrovirus** | B4.715.835 | B4.280. | B4.715. |
| **Tymoviridae** | B4.715.850 | B4.820. | |
| **Tymovirus** | B4.715.850.860 | B4.715. | B4.820. |
| | | B4.820. | |
| **Proviruses** | B4.725 | | |
| **Reassortant Viruses** | B4.800 | | |
| **RNA Viruses** | B4.820 | B4.909. | |
| **Arenaviridae** | B4.820.57 | B4.909. | |
| **Arenavirus** | B4.820.57.70 | B4.909. | |
| **Arenaviruses, Old World** | B4.820.57.70.100 | B4.909. | |
| **Lassa virus** | B4.820.57.70.100.500 | B4.909. | |
| **Lujo virus** | B4.820.57.70.100.525 | B4.909. | |
| **Lymphocytic choriomeningitis virus** | B4.820.57.70.100.550 | B4.909. | |
| **Arenaviruses, New World** | B4.820.57.70.800 | B4.909. | |
| **Junin virus** | B4.820.57.70.800.450 | B4.909. | |
| **Pichinde virus** | B4.820.57.70.800.650 | B4.909. | |
| **Astroviridae** | B4.820.69 | B4.909. | |
| **Avastrovirus** | B4.820.69.80 | B4.909. | |
| **Mamastrovirus** | B4.820.69.500 | B4.909. | |
| **Birnaviridae** | B4.820.75 | B4.909. | |
| **Aquabirnavirus** | B4.820.75.50 | B4.909. | |
| **Infectious pancreatic necrosis virus** | B4.820.75.50.430 | B4.909. | |
| **Avibirnavirus** | B4.820.75.60 | B4.909. | |
| **Infectious bursal disease virus** | B4.820.75.60.400 | B4.909. | |
| **Entomobirnavirus** | B4.820.75.200 | B4.909. | |
| **Bromoviridae** | B4.820.81 | B4.715. | |
| **Alfamovirus** | B4.820.81.50 | B4.715. | B4.715. |
| | | B4.820. | |
| **Alfalfa mosaic virus** | B4.820.81.50.50 | B4.715. | B4.715. |
| | | B4.820. | |
| **Bromovirus** | B4.820.81.80 | B4.715. | B4.715. |
| | | B4.820. | |
| **Cucumovirus** | B4.820.81.180 | B4.715. | B4.715. |
| | | B4.820. | |
| **Ilarvirus** | B4.820.81.400 | B4.715. | |
| **Oleavirus** | B4.820.81.700 | B4.715. | |
| **Bunyaviridae** | B4.820.87 | B4.909. | |
| **Hantavirus** | B4.820.87.440 | B4.909. | |
| **Hantaan virus** | B4.820.87.440.400 | B4.909. | |
| **Puumala virus** | B4.820.87.440.600 | B4.909. | |
| **Seoul virus** | B4.820.87.440.690 | B4.909. | |
| **Sin Nombre virus** | B4.820.87.440.700 | B4.909. | |
| **Nairovirus** | B4.820.87.565 | B4.909. | |
| **Hemorrhagic Fever Virus, Crimean-Congo** | B4.820.87.565.400 | B4.909. | |
| **Nairobi sheep disease virus** | B4.820.87.565.600 | B4.909. | |
| **Orthobunyavirus** | B4.820.87.640 | B4.909. | |
| **Bunyamwera virus** | B4.820.87.640.147 | B4.909. | |
| **Encephalitis Virus, California** | B4.820.87.640.300 | B4.909. | B4.909. |
| **La Crosse virus** | B4.820.87.640.300.500 | B4.909. | B4.909. |
| **Simbu virus** | B4.820.87.640.855 | B4.909. | |

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| **Viruses** | | | |
| **RNA Viruses** | | | |
| **Bunyaviridae** | | | |
| **Phlebovirus** | | | |
| **Phlebovirus** | B4.820.87.710 | B4.909. | |
| **Rift Valley fever virus** | B4.820.87.710.700 | B4.909. | |
| **Sandfly fever Naples virus** | B4.820.87.710.750 | B4.909. | |
| **Uukuniemi virus** | B4.820.87.710.900 | B4.909. | |
| **Tospovirus** | B4.820.87.730 | B4.715. | |
| **Caliciviridae** | B4.820.95 | B4.909. | |
| **Lagovirus** | B4.820.95.500 | B4.909. | |
| **Hemorrhagic Disease Virus, Rabbit** | B4.820.95.500.380 | B4.909. | |
| **Norovirus** | B4.820.95.550 | B4.909. | |
| **Norwalk virus** | B4.820.95.550.500 | B4.909. | |
| **Sapovirus** | B4.820.95.775 | B4.909. | |
| **Vesivirus** | B4.820.95.887 | B4.909. | |
| **Calicivirus, Feline** | B4.820.95.887.150 | B4.909. | |
| **Vesicular exanthema of swine virus** | B4.820.95.887.900 | B4.909. | |
| **Closteroviridae** | B4.820.110 | B4.715. | |
| **Closterovirus** | B4.820.110.150 | B4.715. | |
| **Crinivirus** | B4.820.110.175 | B4.715. | |
| **Comoviridae** | B4.820.150 | B4.715. | |
| **Comovirus** | B4.820.150.150 | B4.715. | B4.715. |
| | | B4.820. | |
| **Fabavirus** | B4.820.150.250 | B4.715. | |
| **Nepovirus** | B4.820.150.500 | B4.715. | |
| **Cystoviridae** | B4.820.180 | B4.123. | B4.123. |
| **Bacteriophage phi 6** | B4.820.180.70 | B4.123. | B4.123. |
| | | B4.123. | |
| **Dicistroviridae** | B4.820.215 | B4.525. | B4.909. |
| **Flaviviridae** | B4.820.250 | B4.909. | |
| **Flavivirus** | B4.820.250.350 | B4.909. | |
| **Dengue Virus** | B4.820.250.350.270 | B4.909. | |
| **Encephalitis Viruses, Japanese** | B4.820.250.350.300 | B4.909. | B4.909. |
| **Encephalitis Virus, Japanese** | B4.820.250.350.300.227 | B4.909. | B4.909. |
| **Encephalitis Virus, Murray Valley** | B4.820.250.350.300.300 | B4.909. | B4.909. |
| **Encephalitis Virus, St. Louis** | B4.820.250.350.300.330 | B4.909. | B4.909. |
| **West Nile virus** | B4.820.250.350.300.950 | B4.909. | B4.909. |
| **Encephalitis Viruses, Tick-Borne** | B4.820.250.350.350 | B4.909. | B4.909. |
| **Yellow fever virus** | B4.820.250.350.990 | B4.909. | |
| **GB virus A** | B4.820.250.400 | B4.909. | |
| **GB virus C** | B4.820.250.410 | B4.450. | B4.909. |
| **Hepacivirus** | B4.820.250.475 | B4.450. | B4.909. |
| **GB virus B** | B4.820.250.475.405 | B4.450. | B4.909. |
| **Pestivirus** | B4.820.250.700 | B4.909. | |
| **Border disease virus** | B4.820.250.700.100 | B4.909. | |
| **Diarrhea Viruses, Bovine Viral** | B4.820.250.700.150 | B4.909. | |
| **Diarrhea Virus 1, Bovine Viral** | B4.820.250.700.150.100 | B4.909. | |
| **Diarrhea Virus 2, Bovine Viral** | B4.820.250.700.150.120 | B4.909. | |
| **Classical swine fever virus** | B4.820.250.700.400 | B4.909. | |
| **Flexiviridae** | B4.820.260 | B4.715. | |
| **Carlavirus** | B4.820.260.150 | B4.715. | |
| **Potexvirus** | B4.820.260.575 | B4.715. | |
| **Hepevirus** | B4.820.340 | B4.909. | |
| **Hepatitis E virus** | B4.820.340.400 | B4.450. | B4.909. |
| **Leviviridae** | B4.820.410 | B4.123. | B4.123. |
| | | B4.123. | |
| **Allolevivirus** | B4.820.410.50 | B4.123. | B4.123. |
| | | B4.123. | |
| **Levivirus** | B4.820.410.500 | B4.123. | B4.123. |
| | | B4.123. | |
| **Luteoviridae** | B4.820.420 | B4.715. | |

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| **Viruses** | | | |
| **RNA Viruses** | | | |
| **Luteoviridae** | | | |
| **Luteovirus** | | | |
| **Luteovirus** | B4.820.420.500 | B4.715. | |
| **Mononegavirales** | B4.820.455 | B4.909. | |
| **Bornaviridae** | B4.820.455.149 | B4.909. | |
| **Borna disease virus** | B4.820.455.149.135 | B4.909. | |
| **Filoviridae** | B4.820.455.300 | B4.909. | |
| **Ebolavirus** | B4.820.455.300.200 | B4.909. | |
| **Marburgvirus** | B4.820.455.300.650 | B4.909. | |
| **Paramyxoviridae** | B4.820.455.600 | B4.909. | |
| **Paramyxovirinae** | B4.820.455.600.650 | B4.909. | |
| **Avulavirus** | B4.820.455.600.650.70 | B4.909. | |
| **Newcastle disease virus** | B4.820.455.600.650.70.600 | B4.909. | |
| **Henipavirus** | B4.820.455.600.650.400 | B4.909. | |
| **Hendra Virus** | B4.820.455.600.650.400.400 | B4.909. | |
| **Nipah Virus** | B4.820.455.600.650.400.550 | B4.909. | |
| **Morbillivirus** | B4.820.455.600.650.500 | B4.909. | |
| **Distemper Virus, Canine** | B4.820.455.600.650.500.280 | B4.909. | |
| **Distemper Virus, Phocine** | B4.820.455.600.650.500.320 | B4.909. | |
| **Measles virus** | B4.820.455.600.650.500.500 | B4.909. | |
| **SSPE Virus** | B4.820.455.600.650.500.500.890 | B4.265. | B4.909. |
| **Peste-des-petits-ruminants virus** | B4.820.455.600.650.500.650 | B4.909. | |
| **Rinderpest virus** | B4.820.455.600.650.500.675 | B4.909. | |
| **Respirovirus** | B4.820.455.600.650.700 | B4.909. | |
| **Parainfluenza Virus 3, Bovine** | B4.820.455.600.650.700.700 | B4.909. | |
| **Parainfluenza Virus 1, Human** | B4.820.455.600.650.700.715 | B4.909. | |
| **Parainfluenza Virus 3, Human** | B4.820.455.600.650.700.735 | B4.909. | |
| **Sendai virus** | B4.820.455.600.650.700.800 | B4.909. | |
| **Rubulavirus** | B4.820.455.600.650.750 | B4.909. | |
| **Mumps virus** | B4.820.455.600.650.750.550 | B4.909. | |
| **Parainfluenza Virus 2, Human** | B4.820.455.600.650.750.715 | B4.909. | |
| **Parainfluenza Virus 4, Human** | B4.820.455.600.650.750.717 | B4.909. | |
| **Parainfluenza Virus 5** | B4.820.455.600.650.750.800 | B4.909. | |
| **Pneumovirinae** | B4.820.455.600.670 | B4.909. | |
| **Metapneumovirus** | B4.820.455.600.670.500 | | |
| **Pneumovirus** | B4.820.455.600.670.600 | B4.909. | |
| **Murine pneumonia virus** | B4.820.455.600.670.600.550 | | |
| **Respiratory Syncytial Viruses** | B4.820.455.600.670.600.750 | B4.909. | |
| **Respiratory Syncytial Virus, Bovine** | B4.820.455.600.670.600.750.700 | B4.909. | |
| **Respiratory Syncytial Virus, Human** | B4.820.455.600.670.600.750.730 | B4.909. | |
| **Rhabdoviridae** | B4.820.455.750 | B4.909. | |
| **Ephemerovirus** | B4.820.455.750.250 | B4.909. | |
| **Ephemeral Fever Virus, Bovine** | B4.820.455.750.250.200 | B4.909. | |
| **Lyssavirus** | B4.820.455.750.500 | B4.909. | |
| **Rabies virus** | B4.820.455.750.500.700 | B4.909. | |
| **Novirhabdovirus** | B4.820.455.750.600 | B4.909. | |
| **Infectious hematopoietic necrosis virus** | B4.820.455.750.600.400 | B4.909. | |
| **Vesiculovirus** | B4.820.455.750.900 | B4.909. | |
| **Vesicular stomatitis Indiana virus** | B4.820.455.750.900.900 | B4.909. | |
| **Vesicular stomatitis New Jersey virus** | B4.820.455.750.900.910 | B4.909. | |
| **Mosaic Viruses** | B4.820.464 | B4.715. | |
| **Alfamovirus** | B4.820.464.40 | B4.715. | B4.715. |
| | | B4.820. | |
| **Alfalfa mosaic virus** | B4.820.464.40.50 | B4.715. | B4.715. |
| | | B4.820. | |
| **Bromovirus** | B4.820.464.80 | B4.715. | B4.715. |
| | | B4.820. | |
| **Comovirus** | B4.820.464.150 | B4.715. | B4.715. |
| | | B4.820. | |

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| **Viruses** | | | |
| **RNA Viruses** | | | |
| **Mosaic Viruses** | | | |
| **Cucumovirus** | | | |
| **Cucumovirus** | B4.820.464.180 | B4.715.<br>B4.820. | B4.715. |
| **Potyvirus** | B4.820.464.600 | B4.715.<br>B4.820. | B4.715. |
| **Plum Pox Virus** | B4.820.464.600.600 | B4.715.<br>B4.820. | B4.715. |
| **Tobamovirus** | B4.820.464.725 | B4.715. | |
| **Tobacco Mosaic Virus** | B4.820.464.725.800 | B4.715. | |
| **Tymovirus** | B4.820.464.750 | B4.715.<br>B4.820. | B4.715. |
| **Nidovirales** | B4.820.504 | B4.909. | |
| **Arteriviridae** | B4.820.504.80 | B4.909. | |
| **Arterivirus** | B4.820.504.80.100 | B4.909. | |
| **Arteritis Virus, Equine** | B4.820.504.80.100.100 | B4.909. | |
| **Lactate dehydrogenase-elevating virus** | B4.820.504.80.100.500 | B4.909. | |
| **Porcine respiratory and reproductive syndrome virus** | B4.820.504.80.100.700 | B4.909. | |
| **Coronaviridae** | B4.820.504.540 | B4.909. | |
| **Coronavirus** | B4.820.504.540.150 | B4.909. | |
| **Coronavirus, Bovine** | B4.820.504.540.150.150 | B4.909. | |
| **Coronavirus, Canine** | B4.820.504.540.150.160 | B4.909. | |
| **Coronavirus, Feline** | B4.820.504.540.150.190 | B4.909. | |
| **Coronavirus 229E, Human** | B4.820.504.540.150.210 | B4.909. | |
| **Coronavirus NL63, Human** | B4.820.504.540.150.215 | B4.909. | |
| **Coronavirus OC43, Human** | B4.820.504.540.150.220 | B4.909. | |
| **Coronavirus, Rat** | B4.820.504.540.150.260 | B4.909. | |
| **Coronavirus, Turkey** | B4.820.504.540.150.300 | B4.909. | |
| **Infectious bronchitis virus** | B4.820.504.540.150.500 | B4.909. | |
| **Murine hepatitis virus** | B4.820.504.540.150.580 | B4.450. | B4.909. |
| **Porcine epidemic diarrhea virus** | B4.820.504.540.150.665 | B4.909. | |
| **SARS Virus** | B4.820.504.540.150.750 | B4.909. | |
| **Transmissible gastroenteritis virus** | B4.820.504.540.150.800 | B4.909. | |
| **Porcine Respiratory Coronavirus** | B4.820.504.540.150.800.600 | B4.909. | |
| **Torovirus** | B4.820.504.540.800 | B4.909. | |
| **Roniviridae** | B4.820.504.770 | | |
| **Nodaviridae** | B4.820.515 | B4.525. | |
| **Orthomyxoviridae** | B4.820.545 | B4.909. | |
| **Influenzavirus A** | B4.820.545.405 | B4.909. | |
| **Influenza A virus** | B4.820.545.405.400 | B4.909. | |
| **Influenza A Virus, H1N1 Subtype** | B4.820.545.405.400.214 | B4.909. | |
| **Influenza A Virus, H1N2 Subtype** | B4.820.545.405.400.216 | | |
| **Influenza A Virus, H2N2 Subtype** | B4.820.545.405.400.250 | B4.909. | |
| **Influenza A Virus, H3N2 Subtype** | B4.820.545.405.400.300 | B4.909. | |
| **Influenza A Virus, H3N8 Subtype** | B4.820.545.405.400.350 | B4.909. | |
| **Influenza A Virus, H5N1 Subtype** | B4.820.545.405.400.500 | B4.909. | |
| **Influenza A Virus, H5N2 Subtype** | B4.820.545.405.400.505 | B4.909. | |
| **Influenza A Virus, H7N1 Subtype** | B4.820.545.405.400.690 | B4.909. | |
| **Influenza A Virus, H7N2 Subtype** | B4.820.545.405.400.692 | B4.909. | |
| **Influenza A Virus, H7N3 Subtype** | B4.820.545.405.400.694 | B4.909. | |
| **Influenza A Virus, H7N7 Subtype** | B4.820.545.405.400.700 | B4.909. | |
| **Influenza A Virus, H7N9 Subtype** | B4.820.545.405.400.800 | B4.909. | |
| **Influenza A Virus, H9N2 Subtype** | B4.820.545.405.400.900 | B4.909. | |
| **Influenza A Virus, H10N7 Subtype** | B4.820.545.405.400.920 | B4.909. | |
| **Influenzavirus B** | B4.820.545.407 | B4.909. | |
| **Influenza B virus** | B4.820.545.407.410 | B4.909. | |
| **Influenzavirus C** | B4.820.545.410 | B4.909. | |
| **Isavirus** | B4.820.545.450 | | |
| **Thogotovirus** | B4.820.545.850 | B4.909. | |
| **Picobirnavirus** | B4.820.562 | B4.909. | B4.970. |

**Viruses**
**RNA Viruses**
**Picornaviridae**

| | | | |
|---|---|---|---|
| **Picornaviridae** | B4.820.565 | B4.909. | |
| **Aphthovirus** | B4.820.565.70 | B4.909. | |
| **Foot-and-Mouth Disease Virus** | B4.820.565.70.250 | B4.909. | |
| **Cardiovirus** | B4.820.565.170 | B4.909. | |
| **Encephalomyocarditis virus** | B4.820.565.170.200 | B4.909. | |
| **Columbia SK virus** | B4.820.565.170.200.150 | B4.909. | |
| **Maus Elberfeld virus** | B4.820.565.170.200.480 | B4.909. | |
| **Mengovirus** | B4.820.565.170.200.500 | B4.909. | |
| **Theilovirus** | B4.820.565.170.800 | B4.909. | |
| **Enterovirus** | B4.820.565.284 | B4.909. | |
| **Enterovirus A, Human** | B4.820.565.284.180 | B4.909. | |
| **Enterovirus B, Human** | B4.820.565.284.182 | B4.909. | |
| **Echovirus 6, Human** | B4.820.565.284.182.225 | B4.909. | |
| **Echovirus 9** | B4.820.565.284.182.250 | B4.909. | |
| **Enterovirus C, Human** | B4.820.565.284.184 | B4.909. | |
| **Enterovirus D, Human** | B4.820.565.284.188 | B4.909. | |
| **Enterovirus, Bovine** | B4.820.565.284.200 | B4.909. | |
| **Enteroviruses, Porcine** | B4.820.565.284.550 | B4.909. | |
| **Poliovirus** | B4.820.565.284.664 | B4.909. | |
| **Erbovirus** | B4.820.565.290 | B4.909. | |
| **Hepatitis Virus, Duck** | B4.820.565.342 | B4.450. | B4.909. |
| **Hepatovirus** | B4.820.565.400 | B4.450. | B4.909. |
| **Encephalomyelitis Virus, Avian** | B4.820.565.400.250 | B4.909. | |
| **Hepatitis A virus** | B4.820.565.400.410 | B4.450. | B4.909. |
| **Hepatitis A Virus, Human** | B4.820.565.400.410.500 | B4.450. | B4.909. |
| **Kobuvirus** | B4.820.565.500 | B4.909. | |
| **Parechovirus** | B4.820.565.700 | B4.909. | |
| **Rhinovirus** | B4.820.565.775 | B4.909. | |
| **Teschovirus** | B4.820.565.830 | B4.909. | |
| **Potyviridae** | B4.820.590 | B4.715. | |
| **Potyvirus** | B4.820.590.600 | B4.715. | B4.715. |
| | | B4.820. | |
| **Plum Pox Virus** | B4.820.590.600.600 | B4.715. | B4.715. |
| | | B4.820. | |
| **Reoviridae** | B4.820.630 | B4.909. | |
| **Coltivirus** | B4.820.630.160 | B4.909. | |
| **Colorado tick fever virus** | B4.820.630.160.200 | B4.909. | |
| **Orbivirus** | B4.820.630.550 | B4.909. | |
| **African horse sickness virus** | B4.820.630.550.50 | B4.909. | |
| **Bluetongue virus** | B4.820.630.550.100 | B4.909. | |
| **Hemorrhagic Disease Virus, Epizootic** | B4.820.630.550.400 | B4.909. | |
| **Palyam Virus** | B4.820.630.550.750 | B4.909. | |
| **Orthoreovirus** | B4.820.630.590 | B4.909. | |
| **Orthoreovirus, Avian** | B4.820.630.590.500 | B4.909. | |
| **Orthoreovirus, Mammalian** | B4.820.630.590.550 | B4.909. | |
| **Mammalian orthoreovirus 3** | B4.820.630.590.550.700 | B4.909. | |
| **Rotavirus** | B4.820.630.790 | B4.909. | |
| **Retroviridae** | B4.820.650 | B4.909. | B4.909. |
| **Alpharetrovirus** | B4.820.650.70 | B4.909. | B4.909. |
| **Avian leukosis virus** | B4.820.650.70.100 | B4.909. | B4.909. |
| **Avian myeloblastosis virus** | B4.820.650.70.110 | B4.909. | B4.909. |
| **Avian Sarcoma Viruses** | B4.820.650.70.120 | B4.909. | B4.909. |
| **Rous sarcoma virus** | B4.820.650.70.120.700 | B4.909. | B4.909. |
| **Betaretrovirus** | B4.820.650.124 | B4.909. | B4.909. |
| **Jaagsiekte sheep retrovirus** | B4.820.650.124.400 | B4.909. | B4.909. |
| **Mammary Tumor Virus, Mouse** | B4.820.650.124.500 | B4.909. | B4.909. |

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|---|---|---|---|
| **Viruses** | | | |
| **RNA Viruses** | | | |
| **Retroviridae** | | | |
| **Betaretrovirus** | | | |
| **Mason-Pfizer monkey virus** | | | |
| **Mason-Pfizer monkey virus** | B4.820.650.124.520 | B4.820.<br>B4.909.<br>B4.909. | B4.909.<br>B4.909. |
| **Deltaretrovirus** | B4.820.650.200 | B4.909. | B4.909. |
| **Leukemia Virus, Bovine** | B4.820.650.200.600 | B4.909. | B4.909. |
| **Primate T-lymphotropic virus 1** | B4.820.650.200.725 | B4.909. | B4.909. |
| **Human T-lymphotropic virus 1** | B4.820.650.200.725.400 | B4.909. | B4.909. |
| **Simian T-lymphotropic virus 1** | B4.820.650.200.725.755 | B4.820.<br>B4.909.<br>B4.909. | B4.909.<br>B4.909. |
| **Primate T-lymphotropic virus 2** | B4.820.650.200.730 | B4.909. | B4.909. |
| **Human T-lymphotropic virus 2** | B4.820.650.200.730.404 | B4.909. | B4.909. |
| **Simian T-lymphotropic virus 2** | B4.820.650.200.730.810 | B4.820.<br>B4.909.<br>B4.909. | B4.909.<br>B4.909. |
| **Primate T-lymphotropic virus 3** | B4.820.650.200.735 | B4.909. | B4.909. |
| **Human T-lymphotropic virus 3** | B4.820.650.200.735.374 | B4.909. | B4.909. |
| **Simian T-lymphotropic virus 3** | B4.820.650.200.735.750 | B4.909.<br>B4.909. | B4.909. |
| **Endogenous Retroviruses** | B4.820.650.250 | B4.909.<br>G2.111.<br>G5.360. | B4.909.<br>G5.360. |
| **Epsilonretrovirus** | B4.820.650.260 | B4.909. | B4.909. |
| **Gammaretrovirus** | B4.820.650.375 | B4.909. | B4.909. |
| **Leukemia Virus, Feline** | B4.820.650.375.500 | B4.909. | B4.909. |
| **Leukemia Virus, Gibbon Ape** | B4.820.650.375.510 | B4.820.<br>B4.909.<br>B4.909. | B4.909.<br>B4.909. |
| **Leukemia Virus, Murine** | B4.820.650.375.525 | B4.909. | B4.909. |
| **Abelson murine leukemia virus** | B4.820.650.375.525.20 | B4.909. | B4.909. |
| **AKR murine leukemia virus** | B4.820.650.375.525.50 | B4.909. | B4.909. |
| **Friend murine leukemia virus** | B4.820.650.375.525.225 | B4.909. | B4.909. |
| **Mink Cell Focus-Inducing Viruses** | B4.820.650.375.525.580 | B4.909. | B4.909. |
| **Moloney murine leukemia virus** | B4.820.650.375.525.596 | B4.909. | B4.909. |
| **Radiation Leukemia Virus** | B4.820.650.375.525.750 | B4.909. | B4.909. |
| **Rauscher Virus** | B4.820.650.375.525.770 | B4.909. | B4.909. |
| **Spleen Focus-Forming Viruses** | B4.820.650.375.525.850 | B4.909. | B4.909. |
| **Reticuloendotheliosis Viruses, Avian** | B4.820.650.375.700 | B4.909. | B4.909. |
| **Reticuloendotheliosis virus** | B4.820.650.375.700.700 | B4.909. | B4.909. |
| **Trager duck spleen necrosis virus** | B4.820.650.375.700.850 | | |
| **Sarcoma Virus, Woolly Monkey** | B4.820.650.375.770 | B4.820.<br>B4.909.<br>B4.909. | B4.909.<br>B4.909. |
| **Sarcoma Viruses, Feline** | B4.820.650.375.800 | B4.265.<br>B4.909. | B4.909. |
| **Sarcoma Viruses, Murine** | B4.820.650.375.860 | B4.265.<br>B4.909. | B4.909. |
| **Harvey murine sarcoma virus** | B4.820.650.375.860.400 | B4.265.<br>B4.909. | B4.909. |
| **Kirsten murine sarcoma virus** | B4.820.650.375.860.500 | B4.265.<br>B4.909. | B4.909. |
| **Moloney murine sarcoma virus** | B4.820.650.375.860.600 | B4.265.<br>B4.909. | B4.909. |
| **Xenotropic murine leukemia virus-related virus** | B4.820.650.375.930 | | |
| **Lentivirus** | B4.820.650.589 | B4.909. | |
| **Lentiviruses, Bovine** | B4.820.650.589.500 | B4.909. | |
| **Immunodeficiency Virus, Bovine** | B4.820.650.589.500.400 | B4.909. | |
| **Lentiviruses, Equine** | B4.820.650.589.520 | B4.909. | |
| **Infectious Anemia Virus, Equine** | B4.820.650.589.520.400 | B4.909. | |

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|---|---|---|---|
| **Viruses** | | | |
| **RNA Viruses** | | | |
| **Retroviridae** | | | |
| **Lentivirus** | | | |
| **Lentiviruses, Feline** | | | |
| **Lentiviruses, Feline** | B4.820.650.589.530 | B4.909. | |
| **Immunodeficiency Virus, Feline** | B4.820.650.589.530.400 | B4.909. | |
| **Lentiviruses, Ovine-Caprine** | B4.820.650.589.600 | B4.909. | |
| **Arthritis-Encephalitis Virus, Caprine** | B4.820.650.589.600.70 | B4.909. | |
| **Visna-maedi virus** | B4.820.650.589.600.900 | B4.909. | |
| **Lentiviruses, Primate** | B4.820.650.589.650 | B4.909. | |
| **HIV** | B4.820.650.589.650.350 | B4.909. | |
| **HIV-1** | B4.820.650.589.650.350.400 | B4.909. | |
| **HIV-2** | B4.820.650.589.650.350.410 | B4.909. | |
| **Simian immunodeficiency virus** | B4.820.650.589.650.800 | B4.820. | B4.909. |
| | | B4.909. | |
| **Retroviruses, Simian** | B4.820.650.805 | B4.909. | B4.909. |
| **Leukemia Virus, Gibbon Ape** | B4.820.650.805.510 | B4.820. | B4.909. |
| | | B4.909. | B4.909. |
| | | B4.909. | |
| **Mason-Pfizer monkey virus** | B4.820.650.805.550 | B4.820. | B4.909. |
| | | B4.909. | B4.909. |
| | | B4.909. | |
| **Sarcoma Virus, Woolly Monkey** | B4.820.650.805.601 | B4.820. | B4.909. |
| | | B4.909. | B4.909. |
| | | B4.909. | |
| **Simian immunodeficiency virus** | B4.820.650.805.700 | B4.820. | B4.909. |
| | | B4.909. | |
| **Simian T-lymphotropic virus 1** | B4.820.650.805.851 | B4.820. | B4.909. |
| | | B4.909. | B4.909. |
| | | B4.909. | |
| **Simian T-lymphotropic virus 2** | B4.820.650.805.855 | B4.820. | B4.909. |
| | | B4.909. | B4.909. |
| | | B4.909. | |
| **Spumavirus** | B4.820.650.850 | B4.909. | |
| **Simian foamy virus** | B4.820.650.850.750 | B4.909. | |
| **Sequiviridae** | B4.820.750 | B4.715. | |
| **Sequivirus** | B4.820.750.750 | B4.715. | |
| **Waikavirus** | B4.820.750.900 | B4.715. | |
| **Tenuivirus** | B4.820.800 | B4.715. | B4.909. |
| **Togaviridae** | B4.820.850 | B4.909. | |
| **Alphavirus** | B4.820.850.54 | B4.909. | |
| **Chikungunya virus** | B4.820.850.54.198 | B4.909. | |
| **Encephalitis Virus, Eastern Equine** | B4.820.850.54.320 | B4.909. | B4.909. |
| **Encephalitis Virus, Venezuelan Equine** | B4.820.850.54.340 | B4.909. | B4.909. |
| **Encephalitis Virus, Western Equine** | B4.820.850.54.360 | B4.909. | B4.909. |
| **O'nyong-nyong Virus** | B4.820.850.54.586 | B4.909. | |
| **Ross River virus** | B4.820.850.54.813 | B4.909. | |
| **Semliki forest virus** | B4.820.850.54.840 | B4.909. | |
| **Sindbis Virus** | B4.820.850.54.860 | B4.909. | |
| **Rubivirus** | B4.820.850.700 | B4.909. | |
| **Rubella virus** | B4.820.850.700.700 | B4.909. | |
| **Tombusviridae** | B4.820.860 | B4.715. | |
| **Carmovirus** | B4.820.860.150 | B4.715. | |
| **Tombusvirus** | B4.820.860.870 | B4.715. | |
| **Totiviridae** | B4.820.880 | | |
| **Giardiavirus** | B4.820.880.400 | | |
| **Leishmaniavirus** | B4.820.880.500 | | |
| **Totivirus** | B4.820.880.800 | | |
| **Tymoviridae** | B4.820.900 | B4.715. | |
| **Tymovirus** | B4.820.900.850 | B4.715. | B4.715. |
| | | B4.820. | |
| **Vertebrate Viruses** | B4.909 | | |

**Viruses**
**Vertebrate Viruses**
**Blood-Borne Pathogens**

| | | | |
|---|---|---|---|
| Blood-Borne Pathogens | B4.909.142 | B1.300.<br>B3.165 | B2.50 |
| DNA Viruses | B4.909.204 | B4.280 | |
| Adenoviridae | B4.909.204.97 | B4.280. | |
| Atadenovirus | B4.909.204.97.80 | B4.280. | |
| Aviadenovirus | B4.909.204.97.100 | B4.280. | |
| Fowl adenovirus A | B4.909.204.97.100.250 | B4.280. | |
| Mastadenovirus | B4.909.204.97.500 | B4.280. | |
| Adenoviruses, Canine | B4.909.204.97.500.200 | B4.280. | B4.450. |
| Adenoviruses, Human | B4.909.204.97.500.350 | B4.280. | |
| Adenoviruses, Porcine | B4.909.204.97.500.675 | B4.280. | |
| Adenoviruses, Simian | B4.909.204.97.500.700 | B4.280. | |
| Siadenovirus | B4.909.204.97.750 | B4.280. | |
| Anellovirus | B4.909.204.99 | B4.280. | B4.970. |
| Torque teno virus | B4.909.204.99.800 | B4.280. | B4.970. |
| Asfarviridae | B4.909.204.102 | B4.280. | |
| African Swine Fever Virus | B4.909.204.102.35 | B4.280. | |
| Circoviridae | B4.909.204.120 | B4.280. | |
| Circovirus | B4.909.204.120.150 | B4.280. | |
| Gyrovirus | B4.909.204.120.400 | B4.280. | |
| Chicken anemia virus | B4.909.204.120.400.150 | B4.280. | |
| DNA Tumor Viruses | B4.909.204.210 | B4.909. | |
| Gammaherpesvirinae | B4.909.204.210.400 | B4.280.<br>B4.909. | B4.909. |
| Lymphocryptovirus | B4.909.204.210.400.500 | B4.280.<br>B4.909. | B4.909. |
| Herpesvirus 4, Human | B4.909.204.210.400.500.400 | B4.280.<br>B4.909. | B4.909. |
| Rhadinovirus | B4.909.204.210.400.700 | B4.280.<br>B4.909. | B4.909. |
| Herpesvirus 4, Bovine | B4.909.204.210.400.700.300 | B4.280.<br>B4.909. | B4.909. |
| Herpesvirus 8, Human | B4.909.204.210.400.700.330 | B4.280.<br>B4.909. | B4.909. |
| Herpesvirus 2, Saimiriine | B4.909.204.210.400.700.400 | B4.280.<br>B4.909. | B4.909. |
| Herpesvirus 1, Ranid | B4.909.204.210.430 | B4.280.<br>B4.909. | B4.909. |
| Leporipoxvirus | B4.909.204.210.600 | B4.280.<br>B4.909. | B4.909. |
| Fibroma Virus, Rabbit | B4.909.204.210.600.250 | B4.280.<br>B4.909. | B4.909. |
| Myxoma virus | B4.909.204.210.600.550 | B4.280.<br>B4.909. | B4.909. |
| Polyomaviridae | B4.909.204.210.620 | B4.280.<br>B4.909. | B4.909. |
| Polyomavirus | B4.909.204.210.620.615 | B4.280.<br>B4.909. | B4.909. |
| BK Virus | B4.909.204.210.620.615.100 | B4.280.<br>B4.909. | B4.909. |
| JC Virus | B4.909.204.210.620.615.400 | B4.280.<br>B4.909. | B4.909. |
| Simian virus 40 | B4.909.204.210.620.615.700 | B4.280.<br>B4.909. | B4.909. |
| Papillomaviridae | B4.909.204.210.655 | B4.280.<br>B4.909. | B4.909. |
| Alphapapillomavirus | B4.909.204.210.655.50 | B4.280.<br>B4.909. | B4.909. |

## B4 - ORGANISMS-VIRUSES

| | | | |
|---|---|---|---|
| **Viruses** | | | |
| **Vertebrate Viruses** | | | |
| **DNA Viruses** | | | |
| **DNA Tumor Viruses** | | | |
| **Papillomaviridae** | | | |
| **Alphapapillomavirus** | | | |
| **Human papillomavirus 6** | B4.909.204.210.655.50.606 | B4.280. | B4.909. |
| | | B4.909. | |
| **Human papillomavirus 11** | B4.909.204.210.655.50.606.611 | B4.280. | B4.909. |
| | | B4.909. | |
| **Human papillomavirus 16** | B4.909.204.210.655.50.616 | B4.280. | B4.909. |
| | | B4.909. | |
| **Human papillomavirus 18** | B4.909.204.210.655.50.618 | B4.280. | B4.909. |
| | | B4.909. | |
| **Betapapillomavirus** | B4.909.204.210.655.100 | B4.280. | B4.909. |
| | | B4.909. | |
| **Deltapapillomavirus** | B4.909.204.210.655.200 | B4.280. | B4.909. |
| | | B4.909. | |
| **Bovine papillomavirus 1** | B4.909.204.210.655.200.100 | B4.280. | B4.909. |
| | | B4.909. | |
| **Gammapapillomavirus** | B4.909.204.210.655.400 | B4.280. | B4.909. |
| | | B4.909. | |
| **Kappapapillomavirus** | B4.909.204.210.655.500 | B4.280. | B4.909. |
| | | B4.909. | |
| **Cottontail rabbit papillomavirus** | B4.909.204.210.655.500.150 | B4.280. | B4.909. |
| | | B4.909. | |
| **Lambdapapillomavirus** | B4.909.204.210.655.520 | B4.280. | B4.909. |
| | | B4.909. | |
| **Mupapillomavirus** | B4.909.204.210.655.540 | B4.280. | B4.909. |
| | | B4.909. | |
| **Xipapillomavirus** | B4.909.204.210.655.950 | B4.280. | B4.909. |
| | | B4.909. | |
| **Bovine papillomavirus 4** | B4.909.204.210.655.950.150 | B4.280. | B4.909. |
| | | B4.909. | |
| **Yatapoxvirus** | B4.909.204.210.950 | B4.280. | B4.909. |
| | | B4.909. | |
| **Yaba monkey tumor virus** | B4.909.204.210.950.950 | B4.280. | B4.909. |
| | | B4.909. | |
| **Hepadnaviridae** | B4.909.204.340 | B4.280. | B4.450. |
| **Avihepadnavirus** | B4.909.204.340.100 | B4.280. | B4.450. |
| **Hepatitis B Virus, Duck** | B4.909.204.340.100.450 | B4.280. | B4.450. |
| **Orthohepadnavirus** | B4.909.204.340.650 | B4.280. | B4.450. |
| **Hepatitis B virus** | B4.909.204.340.650.425 | B4.280. | B4.450. |
| **Hepatitis B Virus, Woodchuck** | B4.909.204.340.650.460 | B4.280. | B4.450. |
| **Herpesviridae** | B4.909.204.382 | B4.280. | |
| **Alphaherpesvirinae** | B4.909.204.382.100 | B4.280. | |
| **Iltovirus** | B4.909.204.382.100.374 | B4.280. | |
| **Herpesvirus 1, Gallid** | B4.909.204.382.100.374.450 | B4.280. | |
| **Mardivirus** | B4.909.204.382.100.562 | B4.280. | |
| **Herpesvirus 2, Gallid** | B4.909.204.382.100.562.400 | B4.280. | |
| **Herpesvirus 3, Gallid** | B4.909.204.382.100.562.405 | B4.280. | |
| **Herpesvirus 1, Meleagrid** | B4.909.204.382.100.562.550 | B4.280. | |
| **Simplexvirus** | B4.909.204.382.100.750 | B4.280. | |
| **Herpesvirus 2, Bovine** | B4.909.204.382.100.750.200 | B4.280. | |
| **Herpesvirus 1, Cercopithecine** | B4.909.204.382.100.750.350 | B4.280. | |
| **Herpesvirus 1, Human** | B4.909.204.382.100.750.390 | B4.280. | |
| **Herpesvirus 2, Human** | B4.909.204.382.100.750.440 | B4.280. | |
| **Varicellovirus** | B4.909.204.382.100.900 | B4.280. | |
| **Herpesvirus 1, Bovine** | B4.909.204.382.100.900.400 | B4.280. | |
| **Herpesvirus 5, Bovine** | B4.909.204.382.100.900.410 | B4.280. | |
| **Herpesvirus 1, Canid** | B4.909.204.382.100.900.420 | B4.280. | |
| **Herpesvirus 1, Equid** | B4.909.204.382.100.900.430 | B4.280. | |
| **Herpesvirus 3, Equid** | B4.909.204.382.100.900.435 | B4.280. | |
| **Herpesvirus 4, Equid** | B4.909.204.382.100.900.440 | B4.280. | |
| **Herpesvirus 3, Human** | B4.909.204.382.100.900.460 | B4.280. | |

## B4 - ORGANISMS-VIRUSES

| | | | |
|---|---|---|---|
| **Viruses** | | | |
| **Vertebrate Viruses** | | | |
| **DNA Viruses** | | | |
| **Herpesviridae** | | | |
| **Alphaherpesvirinae** | | | |
| **Varicellovirus** | | | |
| **Herpesvirus 1, Suid** | B4.909.204.382.100.900.510 | B4.280. | |
| **Betaherpesvirinae** | B4.909.204.382.150 | B4.280. | |
| **Cytomegalovirus** | B4.909.204.382.150.150 | B4.280. | |
| **Muromegalovirus** | B4.909.204.382.150.500 | B4.280. | |
| **Roseolovirus** | B4.909.204.382.150.750 | B4.280. | |
| **Herpesvirus 6, Human** | B4.909.204.382.150.750.400 | B4.280. | |
| **Herpesvirus 7, Human** | B4.909.204.382.150.750.420 | B4.280. | |
| **Gammaherpesvirinae** | B4.909.204.382.400 | B4.280. | B4.909. |
| | | B4.909. | |
| **Lymphocryptovirus** | B4.909.204.382.400.500 | B4.280. | B4.909. |
| | | B4.909. | |
| **Herpesvirus 4, Human** | B4.909.204.382.400.500.400 | B4.280. | B4.909. |
| | | B4.909. | |
| **Rhadinovirus** | B4.909.204.382.400.700 | B4.280. | B4.909. |
| | | B4.909. | |
| **Herpesvirus 4, Bovine** | B4.909.204.382.400.700.300 | B4.280. | B4.909. |
| | | B4.909. | |
| **Herpesvirus 8, Human** | B4.909.204.382.400.700.330 | B4.280. | B4.909. |
| | | B4.909. | |
| **Herpesvirus 2, Saimiriine** | B4.909.204.382.400.700.400 | B4.280. | B4.909. |
| | | B4.909. | |
| **Herpesvirus 1, Ranid** | B4.909.204.382.500 | B4.280. | B4.909. |
| | | B4.909. | |
| **Iridoviridae** | B4.909.204.490 | B4.280. | |
| **Ranavirus** | B4.909.204.490.700 | B4.280. | |
| **Parvoviridae** | B4.909.204.671 | B4.280. | |
| **Parvovirinae** | B4.909.204.671.650 | B4.280. | |
| **Amdovirus** | B4.909.204.671.650.40 | B4.280. | |
| **Aleutian Mink Disease Virus** | B4.909.204.671.650.40.50 | B4.280. | |
| **Bocavirus** | B4.909.204.671.650.85 | B4.280. | |
| **Dependovirus** | B4.909.204.671.650.170 | B4.280. | |
| **Erythrovirus** | B4.909.204.671.650.200 | B4.280. | |
| **Parvovirus B19, Human** | B4.909.204.671.650.200.650 | B4.280. | |
| **Parvovirus** | B4.909.204.671.650.600 | B4.280. | |
| **Feline panleukopenia virus** | B4.909.204.671.650.600.325 | B4.280. | |
| **Parvovirus, Canine** | B4.909.204.671.650.600.325.660 | B4.280. | |
| **H-1 parvovirus** | B4.909.204.671.650.600.437 | B4.280. | |
| **Minute virus of mice** | B4.909.204.671.650.600.550 | B4.280. | |
| **Parvovirus, Porcine** | B4.909.204.671.650.600.690 | B4.280. | |
| **Poxviridae** | B4.909.204.783 | B4.280. | |
| **Chordopoxvirinae** | B4.909.204.783.160 | B4.280. | |
| **Avipoxvirus** | B4.909.204.783.160.100 | B4.280. | |
| **Canarypox virus** | B4.909.204.783.160.100.149 | B4.280. | |
| **Fowlpox virus** | B4.909.204.783.160.100.300 | B4.280. | |
| **Capripoxvirus** | B4.909.204.783.160.150 | B4.280. | |
| **Lumpy skin disease virus** | B4.909.204.783.160.150.500 | B4.280. | |
| **Leporipoxvirus** | B4.909.204.783.160.500 | B4.280. | B4.909. |
| | | B4.909. | |
| **Fibroma Virus, Rabbit** | B4.909.204.783.160.500.250 | B4.280. | B4.909. |
| | | B4.909. | |
| **Myxoma virus** | B4.909.204.783.160.500.550 | B4.280. | B4.909. |
| | | B4.909. | |
| **Molluscipoxvirus** | B4.909.204.783.160.550 | B4.280. | |
| **Molluscum contagiosum virus** | B4.909.204.783.160.550.500 | B4.280. | |
| **Orthopoxvirus** | B4.909.204.783.160.650 | B4.280. | |
| **Cowpox virus** | B4.909.204.783.160.650.150 | B4.280. | |
| **Ectromelia virus** | B4.909.204.783.160.650.200 | B4.280. | |
| **Monkeypox virus** | B4.909.204.783.160.650.500 | B4.280. | |
| **Vaccinia virus** | B4.909.204.783.160.650.900 | B4.280. | |

## B4 - ORGANISMS-VIRUSES

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|---|---|---|---|
| **Viruses** | | | |
| **Vertebrate Viruses** | | | |
| **DNA Viruses** | | | |
| **Poxviridae** | | | |
| **Chordopoxvirinae** | | | |
| **Orthopoxvirus** | | | |
| **Variola virus** | B4.909.204.783.160.650.930 | B4.280. | |
| **Parapoxvirus** | B4.909.204.783.160.670 | B4.280. | |
| **Orf virus** | B4.909.204.783.160.670.600 | B4.280. | |
| **Pseudocowpox virus** | B4.909.204.783.160.670.650 | B4.280. | |
| **Suipoxvirus** | B4.909.204.783.160.800 | B4.280. | |
| **Yatapoxvirus** | B4.909.204.783.160.980 | B4.280. | B4.909. |
| **Yaba monkey tumor virus** | B4.909.204.783.160.980.950 | B4.280. | B4.909. |
| **Oncogenic Viruses** | B4.909.574 | | |
| **DNA Tumor Viruses** | B4.909.574.204 | B4.909. | |
| **Gammaherpesvirinae** | B4.909.574.204.500 | B4.280. | B4.909. |
| **Lymphocryptovirus** | B4.909.574.204.500.500 | B4.280. | B4.909. |
| **Herpesvirus 4, Human** | B4.909.574.204.500.500.400 | B4.280. | B4.909. |
| **Rhadinovirus** | B4.909.574.204.500.700 | B4.280. | B4.909. |
| **Herpesvirus 4, Bovine** | B4.909.574.204.500.700.300 | B4.280. | B4.909. |
| **Herpesvirus 8, Human** | B4.909.574.204.500.700.330 | B4.280. | B4.909. |
| **Herpesvirus 2, Saimiriine** | B4.909.574.204.500.700.400 | B4.280. | B4.909. |
| **Herpesvirus 1, Ranid** | B4.909.574.204.550 | B4.280. | B4.909. |
| **Leporipoxvirus** | B4.909.574.204.600 | B4.280. | B4.909. |
| **Fibroma Virus, Rabbit** | B4.909.574.204.600.250 | B4.280. | B4.909. |
| **Myxoma virus** | B4.909.574.204.600.550 | B4.280. | B4.909. |
| **Papillomaviridae** | B4.909.574.204.655 | B4.280. | B4.909. |
| **Alphapapillomavirus** | B4.909.574.204.655.50 | B4.280. | B4.909. |
| **Human papillomavirus 6** | B4.909.574.204.655.50.606 | B4.280. | B4.909. |
| **Human papillomavirus 11** | B4.909.574.204.655.50.606.611 | B4.280. | B4.909. |
| **Human papillomavirus 16** | B4.909.574.204.655.50.616 | B4.280. | B4.909. |
| **Human papillomavirus 18** | B4.909.574.204.655.50.618 | B4.280. | B4.909. |
| **Betapapillomavirus** | B4.909.574.204.655.100 | B4.280. | B4.909. |
| **Deltapapillomavirus** | B4.909.574.204.655.200 | B4.280. | B4.909. |
| **Bovine papillomavirus 1** | B4.909.574.204.655.200.100 | B4.280. | B4.909. |
| **Gammapapillomavirus** | B4.909.574.204.655.400 | B4.280. | B4.909. |
| **Kappapapillomavirus** | B4.909.574.204.655.500 | B4.280. | B4.909. |
| **Cottontail rabbit papillomavirus** | B4.909.574.204.655.500.150 | B4.280. | B4.909. |
| **Lambdapapillomavirus** | B4.909.574.204.655.520 | B4.280. | B4.909. |

| | | | |
|---|---|---|---|
| **Viruses** | | | |
| **Vertebrate Viruses** | | | |
| **Oncogenic Viruses** | | | |
| **DNA Tumor Viruses** | | | |
| **Papillomaviridae** | | | |
| **Mupapillomavirus** | | | |
| **Mupapillomavirus** | B4.909.574.204.655.540 | B4.280.<br>B4.909. | B4.909. |
| **Xipapillomavirus** | B4.909.574.204.655.950 | B4.280.<br>B4.909. | B4.909. |
| **Bovine papillomavirus 4** | B4.909.574.204.655.950.150 | B4.280.<br>B4.909. | B4.909. |
| **Polyomaviridae** | B4.909.574.204.670 | B4.280.<br>B4.909. | B4.909. |
| **Polyomavirus** | B4.909.574.204.670.615 | B4.280.<br>B4.909. | B4.909. |
| **BK Virus** | B4.909.574.204.670.615.100 | B4.280.<br>B4.909. | B4.909. |
| **JC Virus** | B4.909.574.204.670.615.400 | B4.280.<br>B4.909. | B4.909. |
| **Simian virus 40** | B4.909.574.204.670.615.700 | B4.280.<br>B4.909. | B4.909. |
| **Yatapoxvirus** | B4.909.574.204.950 | B4.280.<br>B4.909. | B4.909. |
| **Yaba monkey tumor virus** | B4.909.574.204.950.950 | B4.280.<br>B4.909. | B4.909. |
| **Retroviridae** | B4.909.574.807 | B4.820. | B4.909. |
| **Alpharetrovirus** | B4.909.574.807.70 | B4.820. | B4.909. |
| **Avian leukosis virus** | B4.909.574.807.70.100 | B4.820. | B4.909. |
| **Avian myeloblastosis virus** | B4.909.574.807.70.110 | B4.820. | B4.909. |
| **Avian Sarcoma Viruses** | B4.909.574.807.70.120 | B4.820. | B4.909. |
| **Rous sarcoma virus** | B4.909.574.807.70.120.700 | B4.820. | B4.909. |
| **Betaretrovirus** | B4.909.574.807.124 | B4.820. | B4.909. |
| **Jaagsiekte sheep retrovirus** | B4.909.574.807.124.400 | B4.820. | B4.909. |
| **Mammary Tumor Virus, Mouse** | B4.909.574.807.124.500 | B4.820. | B4.909. |
| **Mason-Pfizer monkey virus** | B4.909.574.807.124.520 | B4.820.<br>B4.909. | B4.820.<br>B4.909. |
| **Deltaretrovirus** | B4.909.574.807.200 | B4.820. | B4.909. |
| **Leukemia Virus, Bovine** | B4.909.574.807.200.600 | B4.820. | B4.909. |
| **Primate T-lymphotropic virus 1** | B4.909.574.807.200.725 | B4.820. | B4.909. |
| **Human T-lymphotropic virus 1** | B4.909.574.807.200.725.400 | B4.820. | B4.909. |
| **Simian T-lymphotropic virus 1** | B4.909.574.807.200.725.750 | B4.820.<br>B4.909. | B4.820.<br>B4.909. |
| **Primate T-lymphotropic virus 2** | B4.909.574.807.200.730 | B4.820. | B4.909. |
| **Human T-lymphotropic virus 2** | B4.909.574.807.200.730.399 | B4.820. | B4.909. |
| **Simian T-lymphotropic virus 2** | B4.909.574.807.200.730.810 | B4.820.<br>B4.909. | B4.820.<br>B4.909. |
| **Primate T-lymphotropic virus 3** | B4.909.574.807.200.735 | B4.820. | B4.909. |
| **Human T-lymphotropic virus 3** | B4.909.574.807.200.735.374 | B4.820. | B4.909. |
| **Simian T-lymphotropic virus 3** | B4.909.574.807.200.735.750 | B4.820. | B4.909. |
| **Endogenous Retroviruses** | B4.909.574.807.250 | B4.820.<br>G2.111.<br>G5.360. | B4.909.<br>G5.360. |
| **Epsilonretrovirus** | B4.909.574.807.260 | B4.820. | B4.909. |
| **Gammaretrovirus** | B4.909.574.807.375 | B4.820. | B4.909. |
| **Leukemia Virus, Feline** | B4.909.574.807.375.500 | B4.820. | B4.909. |
| **Leukemia Virus, Gibbon Ape** | B4.909.574.807.375.510 | B4.820.<br>B4.909. | B4.820.<br>B4.909. |
| **Leukemia Virus, Murine** | B4.909.574.807.375.525 | B4.820. | B4.909. |
| **Abelson murine leukemia virus** | B4.909.574.807.375.525.20 | B4.820. | B4.909. |

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|---|---|---|---|
| **Viruses** | | | |
| **Vertebrate Viruses** | | | |
| **Oncogenic Viruses** | | | |
| **Retroviridae** | | | |
| **Gammaretrovirus** | | | |
| **Leukemia Virus, Murine** | | | |
| **AKR murine leukemia virus** | B4.909.574.807.375.525.50 | B4.820. | B4.909. |
| **Friend murine leukemia virus** | B4.909.574.807.375.525.225 | B4.820. | B4.909. |
| **Mink Cell Focus-Inducing Viruses** | B4.909.574.807.375.525.580 | B4.820. | B4.909. |
| **Moloney murine leukemia virus** | B4.909.574.807.375.525.596 | B4.820. | B4.909. |
| **Radiation Leukemia Virus** | B4.909.574.807.375.525.750 | B4.820. | B4.909. |
| **Rauscher Virus** | B4.909.574.807.375.525.770 | B4.820. | B4.909. |
| **Spleen Focus-Forming Viruses** | B4.909.574.807.375.525.850 | B4.820. | B4.909. |
| **Reticuloendotheliosis Viruses, Avian** | B4.909.574.807.375.700 | B4.820. | B4.909. |
| **Reticuloendotheliosis virus** | B4.909.574.807.375.700.700 | B4.820. | B4.909. |
| **Sarcoma Virus, Woolly Monkey** | B4.909.574.807.375.770 | B4.820. | B4.820. |
| | | B4.909. | B4.909. |
| | | B4.909. | |
| **Sarcoma Viruses, Feline** | B4.909.574.807.375.800 | B4.265. | B4.820. |
| | | B4.909. | |
| **Sarcoma Viruses, Murine** | B4.909.574.807.375.860 | B4.265. | B4.820. |
| | | B4.909. | |
| **Harvey murine sarcoma virus** | B4.909.574.807.375.860.400 | B4.265. | B4.820. |
| | | B4.909. | |
| **Kirsten murine sarcoma virus** | B4.909.574.807.375.860.500 | B4.265. | B4.820. |
| | | B4.909. | |
| **Moloney murine sarcoma virus** | B4.909.574.807.375.860.600 | B4.265. | B4.820. |
| | | B4.909. | |
| **Retroviruses, Simian** | B4.909.574.807.805 | B4.820. | B4.909. |
| **Leukemia Virus, Gibbon Ape** | B4.909.574.807.805.510 | B4.820. | B4.820. |
| | | B4.909. | B4.909. |
| | | B4.909. | |
| **Mason-Pfizer monkey virus** | B4.909.574.807.805.550 | B4.820. | B4.820. |
| | | B4.909. | B4.909. |
| | | B4.909. | |
| **Sarcoma Virus, Woolly Monkey** | B4.909.574.807.805.601 | B4.820. | B4.820. |
| | | B4.909. | B4.909. |
| | | B4.909. | |
| **Simian T-lymphotropic virus 1** | B4.909.574.807.805.851 | B4.820. | B4.820. |
| | | B4.909. | B4.909. |
| | | B4.909. | |
| **Simian T-lymphotropic virus 2** | B4.909.574.807.805.855 | B4.820. | B4.820. |
| | | B4.909. | B4.909. |
| | | B4.909. | |
| **Simian T-lymphotropic virus 3** | B4.909.574.807.805.858 | B4.820. | B4.909. |
| | | B4.909. | |
| **Papillomaviridae** | B4.909.624 | B4.280. | B4.909. |
| | | B4.909. | |
| **Alphapapillomavirus** | B4.909.624.50 | B4.280. | B4.909. |
| | | B4.909. | |
| **Human papillomavirus 6** | B4.909.624.50.606 | B4.280. | B4.909. |
| | | B4.909. | |
| **Human papillomavirus 11** | B4.909.624.50.606.611 | B4.280. | B4.909. |
| | | B4.909. | |
| **Human papillomavirus 16** | B4.909.624.50.616 | B4.280. | B4.909. |
| | | B4.909. | |
| **Human papillomavirus 18** | B4.909.624.50.618 | B4.280. | B4.909. |
| | | B4.909. | |
| **Betapapillomavirus** | B4.909.624.100 | B4.280. | B4.909. |
| | | B4.909. | |
| **Deltapapillomavirus** | B4.909.624.200 | B4.280. | B4.909. |
| | | B4.909. | |
| **Bovine papillomavirus 1** | B4.909.624.200.100 | B4.280. | B4.909. |
| | | B4.909. | |
| **Gammapapillomavirus** | B4.909.624.400 | B4.280. | B4.909. |
| | | B4.909. | |

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|---|---|---|---|
| **Viruses** | | | |
| **Vertebrate Viruses** | | | |
| **Papillomaviridae** | | | |
| **Kappapapillomavirus** | | | |
| **Kappapapillomavirus** | B4.909.624.500 | B4.280.<br>B4.909. | B4.909. |
| **Cottontail rabbit papillomavirus** | B4.909.624.500.150 | B4.280.<br>B4.909. | B4.909. |
| **Lambdapapillomavirus** | B4.909.624.520 | B4.280.<br>B4.909. | B4.909. |
| **Mupapillomavirus** | B4.909.624.540 | B4.280.<br>B4.909. | B4.909. |
| **Xipapillomavirus** | B4.909.624.950 | B4.280.<br>B4.909. | B4.909. |
| **Bovine papillomavirus 4** | B4.909.624.950.150 | B4.280.<br>B4.909. | B4.909. |
| **Polyomaviridae** | B4.909.675 | B4.280.<br>B4.909. | B4.909. |
| **Polyomavirus** | B4.909.675.615 | B4.280.<br>B4.909. | B4.909. |
| **BK Virus** | B4.909.675.615.100 | B4.280.<br>B4.909. | B4.909. |
| **JC Virus** | B4.909.675.615.400 | B4.280.<br>B4.909. | B4.909. |
| **Simian virus 40** | B4.909.675.615.700 | B4.280.<br>B4.909. | B4.909. |
| **RNA Viruses** | B4.909.777 | B4.820 | |
| **Arenaviridae** | B4.909.777.80 | B4.820. | |
| **Arenavirus** | B4.909.777.80.70 | B4.820. | |
| **Arenaviruses, Old World** | B4.909.777.80.70.100 | B4.820. | |
| **Lassa virus** | B4.909.777.80.70.100.500 | B4.820. | |
| **Lujo virus** | B4.909.777.80.70.100.525 | B4.820. | |
| **Lymphocytic choriomeningitis virus** | B4.909.777.80.70.100.550 | B4.820. | |
| **Arenaviruses, New World** | B4.909.777.80.70.800 | B4.820. | |
| **Junin virus** | B4.909.777.80.70.800.450 | B4.820. | |
| **Pichinde virus** | B4.909.777.80.70.800.650 | B4.820. | |
| **Astroviridae** | B4.909.777.99 | B4.820. | |
| **Avastrovirus** | B4.909.777.99.80 | B4.820. | |
| **Mamastrovirus** | B4.909.777.99.500 | B4.820. | |
| **Birnaviridae** | B4.909.777.123 | B4.820. | |
| **Aquabirnavirus** | B4.909.777.123.50 | B4.820. | |
| **Infectious pancreatic necrosis virus** | B4.909.777.123.50.430 | B4.820. | |
| **Avibirnavirus** | B4.909.777.123.60 | B4.820. | |
| **Infectious bursal disease virus** | B4.909.777.123.60.400 | B4.820. | |
| **Entomobirnavirus** | B4.909.777.123.200 | B4.820. | |
| **Bunyaviridae** | B4.909.777.147 | B4.820. | |
| **Hantavirus** | B4.909.777.147.440 | B4.820. | |
| **Hantaan virus** | B4.909.777.147.440.400 | B4.820. | |
| **Puumala virus** | B4.909.777.147.440.600 | B4.820. | |
| **Seoul virus** | B4.909.777.147.440.690 | B4.820. | |
| **Sin Nombre virus** | B4.909.777.147.440.700 | B4.820. | |
| **Nairovirus** | B4.909.777.147.565 | B4.820. | |
| **Hemorrhagic Fever Virus, Crimean-Congo** | B4.909.777.147.565.400 | B4.820. | |
| **Nairobi sheep disease virus** | B4.909.777.147.565.600 | B4.820. | |
| **Orthobunyavirus** | B4.909.777.147.640 | B4.820. | |
| **Bunyamwera virus** | B4.909.777.147.640.147 | B4.820. | |
| **Encephalitis Virus, California** | B4.909.777.147.640.300 | B4.820. | B4.909. |
| **La Crosse virus** | B4.909.777.147.640.300.500 | B4.820. | B4.909. |
| **Simbu virus** | B4.909.777.147.640.855 | B4.820. | |
| **Phlebovirus** | B4.909.777.147.710 | B4.820. | |
| **Rift Valley fever virus** | B4.909.777.147.710.700 | B4.820. | |
| **Sandfly fever Naples virus** | B4.909.777.147.710.750 | B4.820. | |
| **Uukuniemi virus** | B4.909.777.147.710.900 | B4.820. | |

**Viruses**
- **Vertebrate Viruses**
  - **RNA Viruses**
    - **Caliciviridae**

| | | | |
|---|---|---|---|
| Caliciviridae | B4.909.777.162 | B4.820. | |
| Lagovirus | B4.909.777.162.500 | B4.820. | |
| Hemorrhagic Disease Virus, Rabbit | B4.909.777.162.500.380 | B4.820. | |
| Norovirus | B4.909.777.162.550 | B4.820. | |
| Norwalk virus | B4.909.777.162.550.500 | B4.820. | |
| Sapovirus | B4.909.777.162.775 | B4.820. | |
| Vesivirus | B4.909.777.162.887 | B4.820. | |
| Calicivirus, Feline | B4.909.777.162.887.150 | B4.820. | |
| Vesicular exanthema of swine virus | B4.909.777.162.887.900 | B4.820. | |
| Dicistroviridae | B4.909.777.216 | B4.525. | B4.820. |
| Encephalitis Viruses | B4.909.777.270 | | |
| Encephalitis Virus, California | B4.909.777.270.100 | B4.820. | B4.909. |
| La Crosse virus | B4.909.777.270.100.500 | B4.820. | B4.909. |
| Encephalitis Virus, Eastern Equine | B4.909.777.270.150 | B4.820. | B4.909. |
| Encephalitis Virus, Venezuelan Equine | B4.909.777.270.369 | B4.820. | B4.909. |
| Encephalitis Virus, Western Equine | B4.909.777.270.440 | B4.820. | B4.909. |
| Encephalitis Viruses, Japanese | B4.909.777.270.475 | B4.820. | B4.909. |
| Encephalitis Virus, Japanese | B4.909.777.270.475.227 | B4.820. | B4.909. |
| Encephalitis Virus, Murray Valley | B4.909.777.270.475.300 | B4.820. | B4.909. |
| Encephalitis Virus, St. Louis | B4.909.777.270.475.330 | B4.820. | B4.909. |
| West Nile virus | B4.909.777.270.475.950 | B4.820. | B4.909. |
| Encephalitis Viruses, Tick-Borne | B4.909.777.270.511 | B4.820. | B4.909. |
| Flaviviridae | B4.909.777.310 | B4.820. | |
| Flavivirus | B4.909.777.310.350 | B4.820. | |
| Dengue Virus | B4.909.777.310.350.270 | B4.820. | |
| Encephalitis Viruses, Japanese | B4.909.777.310.350.300 | B4.820. | B4.909. |
| Encephalitis Virus, Japanese | B4.909.777.310.350.300.227 | B4.820. | B4.909. |
| Encephalitis Virus, Murray Valley | B4.909.777.310.350.300.300 | B4.820. | B4.909. |
| Encephalitis Virus, St. Louis | B4.909.777.310.350.300.330 | B4.820. | B4.909. |
| West Nile virus | B4.909.777.310.350.300.950 | B4.820. | B4.909. |
| Encephalitis Viruses, Tick-Borne | B4.909.777.310.350.350 | B4.820. | B4.909. |
| Yellow fever virus | B4.909.777.310.350.990 | B4.820. | |
| GB virus A | B4.909.777.310.400 | B4.820. | |
| GB virus C | B4.909.777.310.410 | B4.450. | B4.820. |
| Hepacivirus | B4.909.777.310.475 | B4.450. | B4.820. |
| GB virus B | B4.909.777.310.475.405 | B4.450. | B4.820. |
| Pestivirus | B4.909.777.310.700 | B4.820. | |
| Border disease virus | B4.909.777.310.700.100 | B4.820. | |
| Diarrhea Viruses, Bovine Viral | B4.909.777.310.700.150 | B4.820. | |
| Diarrhea Virus 1, Bovine Viral | B4.909.777.310.700.150.100 | B4.820. | |
| Diarrhea Virus 2, Bovine Viral | B4.909.777.310.700.150.120 | B4.820. | |
| Classical swine fever virus | B4.909.777.310.700.400 | B4.820. | |
| Hepatitis Delta Virus | B4.909.777.411 | B4.265. | B4.450. |
| Hepevirus | B4.909.777.420 | B4.820. | |
| Hepatitis E virus | B4.909.777.420.400 | B4.450. | B4.820. |
| Mononegavirales | B4.909.777.455 | B4.820. | |
| Bornaviridae | B4.909.777.455.149 | B4.820. | |
| Borna disease virus | B4.909.777.455.149.135 | B4.820. | |
| Filoviridae | B4.909.777.455.300 | B4.820. | |
| Ebolavirus | B4.909.777.455.300.200 | B4.820. | |
| Marburgvirus | B4.909.777.455.300.650 | B4.820. | |
| Paramyxoviridae | B4.909.777.455.600 | B4.820. | |
| Paramyxovirinae | B4.909.777.455.600.650 | B4.820. | |
| Avulavirus | B4.909.777.455.600.650.70 | B4.820. | |
| Newcastle disease virus | B4.909.777.455.600.650.70.600 | B4.820. | |
| Henipavirus | B4.909.777.455.600.650.400 | B4.820. | |
| Hendra Virus | B4.909.777.455.600.650.400.400 | B4.820. | |
| Nipah Virus | B4.909.777.455.600.650.400.550 | B4.820. | |

## B4 - ORGANISMS-VIRUSES

| | | | |
|---|---|---|---|
| **Viruses** | | | |
| **Vertebrate Viruses** | | | |
| **RNA Viruses** | | | |
| **Mononegavirales** | | | |
| **Paramyxoviridae** | | | |
| **Paramyxovirinae** | | | |
| **Morbillivirus** | B4.909.777.455.600.650.500 | B4.820. | |
| **Distemper Virus, Canine** | B4.909.777.455.600.650.500.280 | B4.820. | |
| **Distemper Virus, Phocine** | B4.909.777.455.600.650.500.320 | B4.820. | |
| **Measles virus** | B4.909.777.455.600.650.500.500 | B4.820. | |
| **SSPE Virus** | B4.909.777.455.600.650.500.500.890 | B4.265. | B4.820. |
| **Peste-des-petits-ruminants virus** | B4.909.777.455.600.650.500.650 | B4.820. | |
| **Rinderpest virus** | B4.909.777.455.600.650.500.675 | B4.820. | |
| **Respirovirus** | B4.909.777.455.600.650.700 | B4.820. | |
| **Parainfluenza Virus 3, Bovine** | B4.909.777.455.600.650.700.700 | B4.820. | |
| **Parainfluenza Virus 1, Human** | B4.909.777.455.600.650.700.715 | B4.820. | |
| **Parainfluenza Virus 3, Human** | B4.909.777.455.600.650.700.735 | B4.820. | |
| **Sendai virus** | B4.909.777.455.600.650.700.800 | B4.820. | |
| **Rubulavirus** | B4.909.777.455.600.650.750 | B4.820. | |
| **Mumps virus** | B4.909.777.455.600.650.750.550 | B4.820. | |
| **Parainfluenza Virus 2, Human** | B4.909.777.455.600.650.750.715 | B4.820. | |
| **Parainfluenza Virus 4, Human** | B4.909.777.455.600.650.750.717 | B4.820. | |
| **Parainfluenza Virus 5** | B4.909.777.455.600.650.750.800 | B4.820. | |
| **Pneumovirinae** | B4.909.777.455.600.670 | B4.820. | |
| **Pneumovirus** | B4.909.777.455.600.670.600 | B4.820. | |
| **Respiratory Syncytial Viruses** | B4.909.777.455.600.670.600.750 | B4.820. | |
| **Respiratory Syncytial Virus, Bovine** | B4.909.777.455.600.670.600.750.700 | B4.820. | |
| **Respiratory Syncytial Virus, Human** | B4.909.777.455.600.670.600.750.730 | B4.820. | |
| **Rhabdoviridae** | B4.909.777.455.750 | B4.820. | |
| **Ephemerovirus** | B4.909.777.455.750.250 | B4.820. | |
| **Ephemeral Fever Virus, Bovine** | B4.909.777.455.750.250.200 | B4.820. | |
| **Lyssavirus** | B4.909.777.455.750.500 | B4.820. | |
| **Rabies virus** | B4.909.777.455.750.500.700 | B4.820. | |
| **Novirhabdovirus** | B4.909.777.455.750.600 | B4.820. | |
| **Infectious hematopoietic necrosis virus** | B4.909.777.455.750.600.400 | B4.820. | |
| **Vesiculovirus** | B4.909.777.455.750.900 | B4.820. | |
| **Vesicular stomatitis Indiana virus** | B4.909.777.455.750.900.900 | B4.820. | |
| **Vesicular stomatitis New Jersey virus** | B4.909.777.455.750.900.910 | B4.820. | |
| **Nidovirales** | B4.909.777.500 | B4.820. | |
| **Arteriviridae** | B4.909.777.500.80 | B4.820. | |
| **Arterivirus** | B4.909.777.500.80.500 | B4.820. | |
| **Arteritis Virus, Equine** | B4.909.777.500.80.500.100 | B4.820. | |
| **Lactate dehydrogenase-elevating virus** | B4.909.777.500.80.500.500 | B4.820. | |
| **Porcine respiratory and reproductive syndrome virus** | B4.909.777.500.80.500.800 | B4.820. | |
| **Coronaviridae** | B4.909.777.500.540 | B4.820. | |
| **Coronavirus** | B4.909.777.500.540.150 | B4.820. | |
| **Coronavirus, Bovine** | B4.909.777.500.540.150.150 | B4.820. | |
| **Coronavirus, Canine** | B4.909.777.500.540.150.160 | B4.820. | |
| **Coronavirus, Feline** | B4.909.777.500.540.150.190 | B4.820. | |
| **Coronavirus 229E, Human** | B4.909.777.500.540.150.210 | B4.820. | |
| **Coronavirus NL63, Human** | B4.909.777.500.540.150.215 | B4.820. | |
| **Coronavirus OC43, Human** | B4.909.777.500.540.150.220 | B4.820. | |
| **Coronavirus, Rat** | B4.909.777.500.540.150.260 | B4.820. | |
| **Coronavirus, Turkey** | B4.909.777.500.540.150.300 | B4.820. | |
| **Infectious bronchitis virus** | B4.909.777.500.540.150.500 | B4.820. | |
| **Murine hepatitis virus** | B4.909.777.500.540.150.580 | B4.450. | B4.820. |
| **Porcine epidemic diarrhea virus** | B4.909.777.500.540.150.665 | B4.820. | |
| **SARS Virus** | B4.909.777.500.540.150.750 | B4.820. | |
| **Transmissible gastroenteritis virus** | B4.909.777.500.540.150.800 | B4.820. | |
| **Porcine Respiratory Coronavirus** | B4.909.777.500.540.150.800.600 | B4.820. | |
| **Torovirus** | B4.909.777.500.540.800 | B4.820. | |
| **Orthomyxoviridae** | B4.909.777.545 | B4.820. | |
| **Influenzavirus A** | B4.909.777.545.405 | B4.820. | |
| **Influenza A virus** | B4.909.777.545.405.400 | B4.820. | |

| | | | |
|---|---|---|---|
| Viruses | | | |
| Vertebrate Viruses | | | |
| RNA Viruses | | | |
| Orthomyxoviridae | | | |
| Influenzavirus A | | | |
| Influenza A virus | | | |
| Influenza A Virus, H1N1 Subtype | B4.909.777.545.405.400.214 | B4.820. | |
| Influenza A Virus, H2N2 Subtype | B4.909.777.545.405.400.250 | B4.820. | |
| Influenza A Virus, H3N2 Subtype | B4.909.777.545.405.400.300 | B4.820. | |
| Influenza A Virus, H3N8 Subtype | B4.909.777.545.405.400.350 | B4.820. | |
| Influenza A Virus, H5N1 Subtype | B4.909.777.545.405.400.500 | B4.820. | |
| Influenza A Virus, H5N2 Subtype | B4.909.777.545.405.400.505 | B4.820. | |
| Influenza A Virus, H7N1 Subtype | B4.909.777.545.405.400.690 | B4.820. | |
| Influenza A Virus, H7N2 Subtype | B4.909.777.545.405.400.692 | B4.820. | |
| Influenza A Virus, H7N3 Subtype | B4.909.777.545.405.400.694 | B4.820. | |
| Influenza A Virus, H7N7 Subtype | B4.909.777.545.405.400.700 | B4.820. | |
| Influenza A Virus, H7N9 Subtype | B4.909.777.545.405.400.800 | B4.820. | |
| Influenza A Virus, H9N2 Subtype | B4.909.777.545.405.400.900 | B4.820. | |
| Influenza A Virus, H10N7 Subtype | B4.909.777.545.405.400.920 | B4.820. | |
| Influenzavirus B | B4.909.777.545.407 | B4.820. | |
| Influenza B virus | B4.909.777.545.407.410 | B4.820. | |
| Influenzavirus C | B4.909.777.545.410 | B4.820. | |
| Thogotovirus | B4.909.777.545.850 | B4.820. | |
| Picobirnavirus | B4.909.777.610 | B4.820. | B4.970. |
| Picornaviridae | B4.909.777.618 | B4.820. | |
| Aphthovirus | B4.909.777.618.70 | B4.820. | |
| Foot-and-Mouth Disease Virus | B4.909.777.618.70.250 | B4.820. | |
| Cardiovirus | B4.909.777.618.170 | B4.820. | |
| Encephalomyocarditis virus | B4.909.777.618.170.200 | B4.820. | |
| Columbia SK virus | B4.909.777.618.170.200.150 | B4.820. | |
| Maus Elberfeld virus | B4.909.777.618.170.200.480 | B4.820. | |
| Mengovirus | B4.909.777.618.170.200.500 | B4.820. | |
| Theilovirus | B4.909.777.618.170.800 | B4.820. | |
| Enterovirus | B4.909.777.618.284 | B4.820. | |
| Enterovirus A, Human | B4.909.777.618.284.180 | B4.820. | |
| Enterovirus B, Human | B4.909.777.618.284.182 | B4.820. | |
| Echovirus 6, Human | B4.909.777.618.284.182.225 | B4.820. | |
| Echovirus 9 | B4.909.777.618.284.182.250 | B4.820. | |
| Enterovirus C, Human | B4.909.777.618.284.184 | B4.820. | |
| Enterovirus D, Human | B4.909.777.618.284.188 | B4.820. | |
| Enterovirus, Bovine | B4.909.777.618.284.200 | B4.820. | |
| Enteroviruses, Porcine | B4.909.777.618.284.600 | B4.820. | |
| Poliovirus | B4.909.777.618.284.689 | B4.820. | |
| Erbovirus | B4.909.777.618.290 | B4.820. | |
| Hepatitis Virus, Duck | B4.909.777.618.342 | B4.450. | B4.820. |
| Hepatovirus | B4.909.777.618.400 | B4.450. | B4.820. |
| Encephalomyelitis Virus, Avian | B4.909.777.618.400.250 | B4.820. | |
| Hepatitis A virus | B4.909.777.618.400.410 | B4.450. | B4.820. |
| Hepatitis A Virus, Human | B4.909.777.618.400.410.500 | B4.450. | B4.820. |
| Kobuvirus | B4.909.777.618.500 | B4.820. | |
| Parechovirus | B4.909.777.618.700 | B4.820. | |
| Rhinovirus | B4.909.777.618.775 | B4.820. | |
| Teschovirus | B4.909.777.618.830 | B4.820. | |
| Reoviridae | B4.909.777.714 | B4.820. | |
| Coltivirus | B4.909.777.714.160 | B4.820. | |
| Colorado tick fever virus | B4.909.777.714.160.200 | B4.820. | |
| Orbivirus | B4.909.777.714.550 | B4.820. | |
| African horse sickness virus | B4.909.777.714.550.50 | B4.820. | |
| Bluetongue virus | B4.909.777.714.550.100 | B4.820. | |
| Hemorrhagic Disease Virus, Epizootic | B4.909.777.714.550.400 | B4.820. | |
| Palyam Virus | B4.909.777.714.550.750 | B4.820. | |
| Orthoreovirus | B4.909.777.714.590 | B4.820. | |
| Orthoreovirus, Avian | B4.909.777.714.590.500 | B4.820. | |
| Orthoreovirus, Mammalian | B4.909.777.714.590.550 | B4.820. | |

## B4 - ORGANISMS-VIRUSES

| | | | |
|---|---|---|---|
| **Viruses** | | | |
| **Vertebrate Viruses** | | | |
| **RNA Viruses** | | | |
| **Reoviridae** | | | |
| **Orthoreovirus** | | | |
| **Orthoreovirus, Mammalian** | | | |
| **Mammalian orthoreovirus 3** | B4.909.777.714.590.550.700 | B4.820. | |
| **Rotavirus** | B4.909.777.714.790 | B4.820. | |
| **Retroviridae** | B4.909.777.731 | B4.820. | B4.909. |
| **Alpharetrovirus** | B4.909.777.731.70 | B4.820. | B4.909. |
| **Avian leukosis virus** | B4.909.777.731.70.100 | B4.820. | B4.909. |
| **Avian myeloblastosis virus** | B4.909.777.731.70.110 | B4.820. | B4.909. |
| **Avian Sarcoma Viruses** | B4.909.777.731.70.120 | B4.820. | B4.909. |
| **Rous sarcoma virus** | B4.909.777.731.70.120.700 | B4.820. | B4.909. |
| **Betaretrovirus** | B4.909.777.731.124 | B4.820. | B4.909. |
| **Jaagsiekte sheep retrovirus** | B4.909.777.731.124.400 | B4.820. | B4.909. |
| **Mammary Tumor Virus, Mouse** | B4.909.777.731.124.500 | B4.820. | B4.909. |
| **Mason-Pfizer monkey virus** | B4.909.777.731.124.520 | B4.820. | B4.820. |
| | | B4.909. | B4.909. |
| | | B4.909. | |
| **Deltaretrovirus** | B4.909.777.731.200 | B4.820. | B4.909. |
| **Leukemia Virus, Bovine** | B4.909.777.731.200.600 | B4.820. | B4.909. |
| **Primate T-lymphotropic virus 1** | B4.909.777.731.200.725 | B4.820. | B4.909. |
| **Human T-lymphotropic virus 1** | B4.909.777.731.200.725.400 | B4.820. | B4.909. |
| **Simian T-lymphotropic virus 1** | B4.909.777.731.200.725.755 | B4.820. | B4.820. |
| | | B4.909. | B4.909. |
| | | B4.909. | |
| **Primate T-lymphotropic virus 2** | B4.909.777.731.200.730 | B4.820. | B4.909. |
| **Human T-lymphotropic virus 2** | B4.909.777.731.200.730.404 | B4.820. | B4.909. |
| **Simian T-lymphotropic virus 2** | B4.909.777.731.200.730.810 | B4.820. | B4.820. |
| | | B4.909. | B4.909. |
| | | B4.909. | |
| **Primate T-lymphotropic virus 3** | B4.909.777.731.200.735 | B4.820. | B4.909. |
| **Human T-lymphotropic virus 3** | B4.909.777.731.200.735.374 | B4.820. | B4.909. |
| **Simian T-lymphotropic virus 3** | B4.909.777.731.200.735.750 | B4.820. | B4.909. |
| | | B4.909. | |
| **Endogenous Retroviruses** | B4.909.777.731.250 | B4.820. | B4.909. |
| | | G2.111. | G5.360. |
| | | G5.360. | |
| **Epsilonretrovirus** | B4.909.777.731.260 | B4.820. | B4.909. |
| **Gammaretrovirus** | B4.909.777.731.375 | B4.820. | B4.909. |
| **Leukemia Virus, Feline** | B4.909.777.731.375.500 | B4.820. | B4.909. |
| **Leukemia Virus, Gibbon Ape** | B4.909.777.731.375.510 | B4.820. | B4.820. |
| | | B4.909. | B4.909. |
| | | B4.909. | |
| **Leukemia Virus, Murine** | B4.909.777.731.375.525 | B4.820. | B4.909. |
| **Abelson murine leukemia virus** | B4.909.777.731.375.525.20 | B4.820. | B4.909. |
| **AKR murine leukemia virus** | B4.909.777.731.375.525.50 | B4.820. | B4.909. |
| **Friend murine leukemia virus** | B4.909.777.731.375.525.225 | B4.820. | B4.909. |
| **Mink Cell Focus-Inducing Viruses** | B4.909.777.731.375.525.580 | B4.820. | B4.909. |
| **Moloney murine leukemia virus** | B4.909.777.731.375.525.596 | B4.820. | B4.909. |
| **Radiation Leukemia Virus** | B4.909.777.731.375.525.750 | B4.820. | B4.909. |
| **Rauscher Virus** | B4.909.777.731.375.525.770 | B4.820. | B4.909. |
| **Spleen Focus-Forming Viruses** | B4.909.777.731.375.525.850 | B4.820. | B4.909. |
| **Reticuloendotheliosis Viruses, Avian** | B4.909.777.731.375.700 | B4.820. | B4.909. |
| **Reticuloendotheliosis virus** | B4.909.777.731.375.700.700 | B4.820. | B4.909. |
| **Sarcoma Virus, Woolly Monkey** | B4.909.777.731.375.770 | B4.820. | B4.820. |
| | | B4.909. | B4.909. |
| | | B4.909. | |
| **Sarcoma Viruses, Feline** | B4.909.777.731.375.800 | B4.265. | B4.820. |
| | | B4.909. | |
| **Sarcoma Viruses, Murine** | B4.909.777.731.375.860 | B4.265. | B4.820. |
| | | B4.909. | |
| **Harvey murine sarcoma virus** | B4.909.777.731.375.860.400 | B4.265. | B4.820. |
| | | B4.909. | |

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|---|---|---|---|
| **Viruses** | | | |
| **Vertebrate Viruses** | | | |
| **RNA Viruses** | | | |
| **Retroviridae** | | | |
| **Gammaretrovirus** | | | |
| **Sarcoma Viruses, Murine** | | | |
| **Kirsten murine sarcoma virus** | B4.909.777.731.375.860.500 | B4.265.<br>B4.909. | B4.820. |
| **Moloney murine sarcoma virus** | B4.909.777.731.375.860.600 | B4.265.<br>B4.909. | B4.820. |
| **Lentivirus** | B4.909.777.731.589 | B4.820. | |
| **Lentiviruses, Bovine** | B4.909.777.731.589.500 | B4.820. | |
| **Immunodeficiency Virus, Bovine** | B4.909.777.731.589.500.400 | B4.820. | |
| **Lentiviruses, Equine** | B4.909.777.731.589.520 | B4.820. | |
| **Infectious Anemia Virus, Equine** | B4.909.777.731.589.520.400 | B4.820. | |
| **Lentiviruses, Feline** | B4.909.777.731.589.530 | B4.820. | |
| **Immunodeficiency Virus, Feline** | B4.909.777.731.589.530.400 | B4.820. | |
| **Lentiviruses, Ovine-Caprine** | B4.909.777.731.589.600 | B4.820. | |
| **Arthritis-Encephalitis Virus, Caprine** | B4.909.777.731.589.600.70 | B4.820. | |
| **Visna-maedi virus** | B4.909.777.731.589.600.900 | B4.820. | |
| **Lentiviruses, Primate** | B4.909.777.731.589.650 | B4.820. | |
| **HIV** | B4.909.777.731.589.650.350 | B4.820. | |
| **HIV-1** | B4.909.777.731.589.650.350.400 | B4.820. | |
| **HIV-2** | B4.909.777.731.589.650.350.410 | B4.820. | |
| **Simian immunodeficiency virus** | B4.909.777.731.589.650.800 | B4.820.<br>B4.909. | B4.820. |
| **Retroviruses, Simian** | B4.909.777.731.805 | B4.820. | B4.909. |
| **Leukemia Virus, Gibbon Ape** | B4.909.777.731.805.510 | B4.820.<br>B4.909.<br>B4.909. | B4.820.<br>B4.909. |
| **Mason-Pfizer monkey virus** | B4.909.777.731.805.550 | B4.820.<br>B4.909.<br>B4.909. | B4.820.<br>B4.909. |
| **Sarcoma Virus, Woolly Monkey** | B4.909.777.731.805.601 | B4.820.<br>B4.909.<br>B4.909. | B4.820.<br>B4.909. |
| **Simian immunodeficiency virus** | B4.909.777.731.805.700 | B4.820.<br>B4.909. | B4.820. |
| **Simian T-lymphotropic virus 1** | B4.909.777.731.805.851 | B4.820.<br>B4.909.<br>B4.909. | B4.820.<br>B4.909. |
| **Simian T-lymphotropic virus 2** | B4.909.777.731.805.855 | B4.820.<br>B4.909.<br>B4.909. | B4.820.<br>B4.909. |
| **Spumavirus** | B4.909.777.731.850 | B4.820. | |
| **Simian foamy virus** | B4.909.777.731.850.750 | B4.820. | |
| **Tenuivirus** | B4.909.777.827 | B4.715. | B4.820. |
| **Togaviridae** | B4.909.777.923 | B4.820. | |
| **Alphavirus** | B4.909.777.923.54 | B4.820. | |
| **Chikungunya virus** | B4.909.777.923.54.198 | B4.820. | |
| **Encephalitis Virus, Eastern Equine** | B4.909.777.923.54.320 | B4.820. | B4.909. |
| **Encephalitis Virus, Venezuelan Equine** | B4.909.777.923.54.340 | B4.820. | B4.909. |
| **Encephalitis Virus, Western Equine** | B4.909.777.923.54.360 | B4.820. | B4.909. |
| **O'nyong-nyong Virus** | B4.909.777.923.54.586 | B4.820. | |
| **Ross River virus** | B4.909.777.923.54.813 | B4.820. | |
| **Semliki forest virus** | B4.909.777.923.54.840 | B4.820. | |
| **Sindbis Virus** | B4.909.777.923.54.860 | B4.820. | |
| **Rubivirus** | B4.909.777.923.700 | B4.820. | |
| **Rubella virus** | B4.909.777.923.700.700 | B4.820. | |
| **Virion** | B4.950 | A21.249 | |
| **Nucleocapsid** | B4.950.500 | A21.249. | |
| **Capsid** | B4.950.500.250 | A21.249. | |
| **Viroids** | B4.956 | | |
| **Viruses, Unclassified** | B4.970 | | |
| **Anellovirus** | B4.970.60 | B4.280. | B4.909. |

**Viruses**
**Viruses, Unclassified**
**Anellovirus**
**Torque teno virus**

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|---|---|---|---|
| **Torque teno virus** | B4.970.60.800 | B4.280. | B4.909. |
| **Nanovirus** | B4.970.540 | B4.280. | B4.715. |
| **Picobirnavirus** | B4.970.610 | B4.820. | B4.909. |