Table 1: Viral Subject

| Reference taxonomy | Viral subject |
| --- | --- |
| Amalgaviridae | fusion protein [Zostera marina amalgavirus 1] |
| Amalgaviridae | putative CP/RdRp fusion protein [Zygosaccharomyces bailii virus Z] |
| Astroviridae | RNA dependent RNA polymerase, partial [Canine astrovirus] |
| Baculoviridae | unknown [Neodiprion lecontei nucleopolyhedrovirus] |
| Betaflexiviridae | replicase [Pea streak virus] |
| Blumeviridae | RNA-directed RNA polymerase [ssRNA phage SRR7976324\_1] |
| Blumeviridae | RNA-directed RNA polymerase [ssRNA phage Gerhypos.4\_51] |
| Bornaviridae | L protein [Wuhan sharpbelly bornavirus] |
| Botourmiaviridae | RNA-dependent RNA polymerase [Penicillium citrinum ourmia-like virus 1] |
| Botourmiaviridae | RNA dependent RNA polymerase [Plasmopara viticola lesion associated ourmia-like virus 80] |
| Bromoviridae | 89.7 kd protein [Alfalfa mosaic virus] |
| Chrysoviridae | RNA-dependent RNA polymerase [Penicillium chrysogenum virus] |
| Chuviridae | polymerase [Mivirus sp.] |
| Chuviridae | L [Lonestar tick chuvirus 1] [Lonestar tick chuvirus 1] |
| Coronaviridae | polyprotein 1ab [Alphacoronavirus sp.] |
| Discoviridae | RNA-dependent RNA polymerase [Penicillium discovirus] |
| Fiersviridae | RNA-directed RNA polymerase [ssRNA phage AVE019] |
| Fiersviridae | RNA-directed RNA polymerase [ssRNA phage SRR6960509\_8] |
| Fiersviridae | RNA-directed RNA polymerase [ssRNA phage Esthiorhiza.2\_30] |
| Flaviviridae | polyprotein [Hepacivirus glareoli] |
| Flaviviridae | putative NS5B protein [Rodent pegivirus] |
| Flaviviridae | polyprotein precursor [Theiler's disease-associated virus] |
| Flaviviridae | polyprotein [Bovine viral diarrhea virus 1-SD1] |
| Hantaviridae | RdRp [Lena virus] |
| Hantaviridae | RNA-dependent RNA polymerase [Xuan son virus] |
| Iflaviridae | polyprotein [Yongsan iflavirus 1] |
| Iridoviridae | RNA-dependent DNA polymerase [Lymphocystis disease virus Sa] |
| Iridoviridae | RNA-dependent DNA polymerase [Lymphocystis disease virus 4] |
| Iridoviridae | RNA-dependent DNA polymerase [lymphocystis disease virus-China] |
| Lispiviridae | putative replicase [Jimsystermes virus] |
| Mimiviridae | tubulin-tyrosine ligase/tubulin polyglutamylase [Fadolivirus algeromassiliense] |
| Mitoviridae | RNA-dependent RNA polymerase [Cronartium ribicola mitovirus 4] |
| Mitoviridae | RNA-dependent RNA polymerase [Ceratobasidium mitovirus A] |
| Mitoviridae | RNA dependent RNA polymerase [Fusarium boothii mitovirus 1] |
| Mitoviridae | RNA-dependent RNA polymerase [Rhizoctonia mitovirus 1 RS002] |
| Mitoviridae | RNA-dependent RNA polymerase [Entomophthora muscae mitovirus 8] |
| Nodaviridae | RNA dependent RNA polymerase protein A [Nodamura virus] |
| Orthoherpesviridae | ORF34 [callitrichine gammaherpesvirus 3] |
| Paramyxoviridae | RNA polymerase [Tupaia paramyxovirus] |
| Paramyxoviridae | L protein [Rinderpest virus (strain Kabete O)] |
| Paramyxoviridae | L protein [Mount Mabu Lophuromys virus 1] |
| Paramyxoviridae | large protein [Beilong virus] |
| Paramyxoviridae | large protein [J virus] |
| Paramyxoviridae | large protein [Bat paramyxovirus] |
| Paramyxoviridae | L protein [Mount Mabu Lophuromys virus 2] |
| Paramyxoviridae | large protein [Dolphin morbillivirus] |
| Paramyxoviridae | large polymerase protein L [canine distemper virus] |
| Paramyxoviridae | large protein [Phocine morbillivirus] |
| Paramyxoviridae | polymerase [Mojiang virus] |
| Partitiviridae | RNA-dependent RNA polymerase [Ustilaginoidea virens partitivirus 2] |
| Partitiviridae | putative RNA-dependent RNA polymerase [Raphanus sativus cryptic virus 3] |
| Partitiviridae | putative RNA-dependent RNA polymerase [Pepper cryptic virus 1] |
| Partitiviridae | putative RNA dependent RNA polymerase [Aspergillus ochraceous virus] |
| Partitiviridae | RNA-dependent RNA polymerase [Medicago sativa alphapartitivirus 1] |
| Partitiviridae | RNA-dependent RNA polymerase [Penicillium stoloniferum virus S] |
| Partitiviridae | putative replicase [Gremmeniella abietina RNA virus MS1] |
| Partitiviridae | putative dsRNA-dependent RNA polymerase [Penicillium stoloniferum virus F] |
| Partitiviridae | RNA-dependent RNA polymerase [Pseudogymnoascus destructans partitivirus-pa] |
| Partitiviridae | RNA-dependent RNA polymerase [Fusarium solani virus 1] |
| Partitiviridae | RNA-dependent RNA polymerase [Aspergillus fumigatus partitivirus 2] |
| Phenuiviridae | RNA-dependent RNA polymerase [Wenzhou Shrimp Virus 1] |
| Phenuiviridae | polymerase [Zaliv Terpeniya virus] |
| Phycodnaviridae | Hsp70 protein [Chrysochromulina ericina virus] |
| Phycodnaviridae | serine-threonine kinase [Ectocarpus siliculosus virus 1] |
| Picobirnaviridae | putative RNA-dependent RNA polymerase [Otarine picobirnavirus] |
| Picobirnaviridae | RNA-dependent RNA polymerase [Chicken picobirnavirus] |
| Picobirnaviridae | RNA dependent RNA polymerase [Picobirnavirus Equ3] |
| Picornaviridae | polyprotein [Shanbavirus A] |
| Potyviridae | NIb protein [Ryegrass mosaic virus] |
| Rhabdoviridae | polymerase [Sweetwater Branch virus] |
| Rhabdoviridae | RNA-dependent RNA polymerase [Wuhan Insect virus 7] |
| Rhabdoviridae | polymerase [La Joya virus] |
| Rhabdoviridae | RNA polymerase, partial [Durham virus] |
| Rhabdoviridae | RNA-dependent RNA polymerase, partial [Rhabdoviridae sp.] |
| Rhabdoviridae | RNA-dependent RNA polymerase [Tacheng Tick Virus 7] |
| Rhabdoviridae | polymerase (L protein) [Vesicular stomatitis Indiana virus] |
| Rhabdoviridae | L protein [Obodhiang virus] |
| Secoviridae | polyprotein [pineapple secovirus B] |
| Sedoreoviridae | structural protein VP1 [Rotavirus C] |
| Steitzviridae | RNA-directed RNA polymerase, partial [ssRNA phage Zoerhiza.2\_13] |
| Tobaniviridae | ORF1AB [Veiled chameleon serpentovirus A] |
| Tobaniviridae | 1ab, partial [Xinzhou nematode virus 6] |
| Tombusviridae | RNA-dependent RNA polymerase [Carrot mottle mimic virus] |
| Tombusviridae | RNA-dependent RNA polymerase P1-P2 fusion [Bean leafroll virus] |
| Totiviridae | RNA-dependent RNA polymerase, partial [Scheffersomyces segobiensis virus L] |
| Totiviridae | polyprotein [Scheffersomyces segobiensis virus L] |
| Totiviridae | RNA-dependent RNA polymerase [Pythium polare RNA virus 1] |
| Totiviridae | RNA polymerase [Saccharomyces cerevisiae virus L-A] |
| Virgaviridae | replication-associated protein [Pepper mild mottle virus] |
| Virgaviridae | RNA-dependent RNA polymerase [Macrophomina phaseolina tobamo-like virus] |
| unclassified | hypothetical protein 1 [Changjiang tombus-like virus 9] |
| unclassified | hypothetical protein [Hubei picorna-like virus 43] |
| unclassified | hypothetical protein [Shuangao insect virus 12] |
| unclassified | hypothetical protein 3 [Hubei tombus-like virus 19] |
| unclassified | hypothetical protein [Wuhan fly virus 4] |
| unclassified | hypothetical protein 2 [Beihai tombus-like virus 7] |
| unclassified | RdRp [Hubei permutotetra-like virus 9] |
| unclassified | hypothetical protein [Hubei picorna-like virus 48] |
| unclassified | hypothetical protein 2 [Hubei tombus-like virus 4] |
| unclassified | RNA dependent RNA polymerase [Diatom colony associated dsRNA virus 17 genome type B] |
| unclassified | RNA-dependent RNA polymerase [Beihai narna-like virus 26] |
| unclassified | RdRp [Wuhan Millipede virus 4] |
| unclassified | RdRp [Wuhan fly virus 5] |
| unclassified | polyprotein [Beihai zhaovirus-like virus 1] |
| unclassified | RNA-dependent RNA polymerase [Hubei narna-like virus 24] |
| unclassified | RdRp [Beihai partiti-like virus 2] |
| unclassified | RNA-dependent RNA polymerase [Hubei narna-like virus 22] |
| unclassified | RdRp [Beihai barnacle virus 13] |
| unclassified | RdRp [Wuhan cricket virus 2] |
| unclassified | RdRp [Wuhan insect virus 23] |
| unclassified | RdRp [Hubei diptera virus 17] |
| unclassified | hypothetical protein 3 [Hubei tombus-like virus 40] |
| unclassified | hypothetical protein [Hubei tick virus 3] |
| unclassified | hypothetical protein [Hubei tick virus 1] |
| unclassified | hypothetical protein 2 [Hubei sobemo-like virus 24] |
| unclassified | hypothetical protein [Hubei tick virus 2] |
| unclassified | hypothetical protein 2 [Hubei picorna-like virus 22] |
| unclassified | hypothetical protein 1 [Hubei picorna-like virus 22] |
| unclassified | hypothetical protein [Hubei virga-like virus 1] |
| unclassified Kitrinoviricota | replication-associated polyprotein [Fusarium graminearum mycotymovirus 1] |
| unclassified Uroviricota | Ro-like RNA binding protein [Gordonia phage Forza] |