

RNA viruses

Distribution of RNA viruses

Unwrapped

With cubic (icosahedral) symmetry

- Reoviridae (ds): genus Rotavirus , ..
 - Picornaviridae (ss, +): genus Enterovirus , Rhinovirus , hepatitis A virus
 - Caliciviridae (ss, +)
 - genus Astroviridae (ss, +)
 - hepatitis E virus (ss, +)
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Wrapped

With cubic symmetry

- Togaviridae (ss, +): genus Alphavirus , genus Rubivirus
- Flaviviridae (ss, +): genus Flavivirus: yellow fever virus , tick-borne encephalitis viruses , Japanese encephalitis viruses , dengue fever viruses ; hepatitis C virus ,...
- Retroviridae (ss, +): genus Deltaretrovirus: HTLV I, genus Lentivirus: HIV

With helical symmetry

- Orthomyxoviridae (ss, -): genus Influenzavirus A, B, C
- Bunyaviridae (ss, -): genus Orthobunyavirus , genus Nairovirus , genus Phlebovirus , genus Hantavirus
- Arenaviridae (ss, -): lymphocytic choriomeningitis virus, Lassa fever virus
- genus Deltavirus: hepatitis D virus
- Coronaviridae (ss, +): genus Coronavirus ,...

Mononegavirales (ss, -):

- Paramyxoviridae
genus Respirovirus: parainfluenza viruses 1 and 3
genus Rubulavirus: parainfluenza viruses 2, 4a and 4b, mumps virus
genus Morbillivirus
genus Pneumovirus: RS-virus
- Rhabdoviridae: genus Lyssavirus
- Filoviridae : genus Ebolavirus , genus Marburgvirus
- Bornaviridae

Links

Related articles

- Viruses
- Reproduction of RNA viruses
- DNA viruses
- Taxonomy of viruses

External links

<http://www.lf2.cuni.cz/info2lf/ustavy/ulm/predn/tax.htm>

References

- VOTAVA, Miroslav, et al. *Lékařská mikrobiologie speciální*. 1. vydání. Brno : Neptun, 2003. ISBN 80-902896-6-5.
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