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Ambisense polarity of genome RNA of orthomyxoviruses and coror

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Novel Negative Sense Genes in the RNA Genome of ...

<https://europepmc.org/article/MED/33689070>

Mar 10, 2021 · At the same time, the genome of coronaviruses is currently considered to be positive-polar, since all known genes of coronaviruses (approximately 25 genes for the nonstructural proteins...

Structures and exoribonuclease activity fonctions in ...

<https://www.ncbi.nlm.nih.gov/pubmed/31910588>

Author: Mickaël Bouvet, Isabelle Imbert, Fran... Publish Year: 2013

Oct 01, 2013 · Some viral enzyme activities are however unique to some viral families. This is the case of two 3'-5' exoribonuclease activities identified in arenavirus and coronavirus proteomes. Arenaviruses...

Images of Ambisense Polarity of genome RNA of Orthomyxo...

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[PDF] Survey of RNA-Containing Viruses<https://ruc.edu.iq/wp-content/uploads/2021/05/lec.-10-Survey-of-RNA-2.pdf>

Coronaviruses 1. Enveloped 120- to 160-nm particles containing an unsegmented genome of positive-sense, single-stranded RNA, 27–32 kb in size; the nucleocapsid is helical, 9–11 nm in diameter. 2.

Coronaviruses resemble orthomyxoviruses but have petal-shaped surface projections arranged in a fringe, like a solar corona. 3.

Characterization of Wild-Type and Alternate Transcription ...<https://pubmed.ncbi.nlm.nih.gov/21917943>

RFV virus (RVFV) possesses a single-stranded tripartite RNA genome of negative/ambisense polarity.

The S segment utilizes the ambisense strategy and codes for two proteins, the N nucleoprotein and the nonstructural NSs protein, in opposite orientations. The two open reading frames (ORFs) are separated by an intergenic region (IGR) highly ...

Cited by: 24

Author: Estelle Lara, Agnès Billecocq, Psylvia Le...

Publish Year: 2011

Images of Ambisense Polarity of genome RNA of Orthomyxo...<bing.com/images>

RNA viruses

- **Polarity (+ sense or ± sense)**
- **Size of genome**
- **Segmented or not**
- **Site of replication**

- These are enveloped viruses with a helical nucleocapsid.
- Single-stranded, linear, nonsegmented, negative polarity RNA.
- They are highly pleomorphic, long filaments that are 80 nm in diameter but can be thousands of nanometers long.
- The term "filo" means "thread" and refers to the long filaments.
- The two human pathogens are Ebola virus and Marburg virus.

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The coronavirus family consists of lipid-containing envelope viruses that have a single-stranded RNA genome that encodes 25-30 proteins in different viruses by the mechanism of positive-polarity strategy. In addition, extended open reading translation frames (ORFs, genes) located in a negative-sense ...

Author: O P Zhirnov, S V Poyarkov

Publish Year: 2021

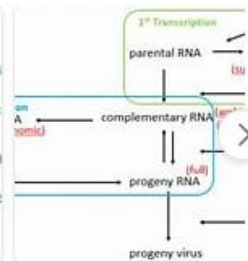
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