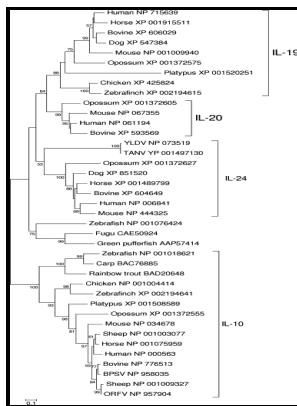


Biology of poxviruses

Springer-Verlag - Molecular evolution of poxviruses



Description: -

Poxviridae.

Poxviruses.Biology of poxviruses

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18

Virology monographs,Biology of poxviruses

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The evolutionary biology of poxviruses

However, most of the viruses consisting of a double stranded DNA genome replicate inside the nucleus and use the genome replication machinery of the host cells. CUSABIO provides a larger number of protein about VARA and VACV.

Poxvirus Overview: Structure, Classification, Causes

No circle indicates insufficient data to project host range. Extensive searches over two years detected no further cases, and in 1979 the World Health Organization WHO declared the disease officially eradicated. However, treatment and vaccination exist for the diseases caused by poxviruses.

The Molecular Biology of Poxviruses

For example, smallpox caused by variola virus was eradicated in 1977; and there has not been any reported case of the disease since then. Virus contains three classes of genes: early, intermediate and late genes which are transcribed by viral RNA polymerase and associated transcription factors. This death toll can be attributed to the American population's complete lack of exposure to the virus over millennia.

Poxviridae

A vaccine can prevent smallpox, but the risk of the vaccine's side effects is too high to justify routine vaccination for people at low risk of exposure to the smallpox virus. The Poxviridae family contains viruses that infect humans, other vertebrates, invertebrates, birds and insects.

The Molecular Biology of Poxviruses

Cold Spring Harbor Perspectives in Biology. These genes are transcribed by viral RNA polymerase and associated transcription factors. The host range function of proteins encoded by poxviruses can be attributed to several interactions with specific host proteins.

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