

Resource Summary Report

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Poxvirus Bioinformatics Resource Center

RRID:SCR_007870

Type: Tool

Proper Citation

Poxvirus Bioinformatics Resource Center (RRID:SCR_007870)

Resource Information

URL: <http://www.poxvirus.org>

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Description: A database of information on pox viruses. Goals of this project are to acquire and annotate data on poxviruses, and to develop and utilize new tools to facilitate the study of this group of organisms. This basic research is being undertaken with an eye toward the development of novel antiviral therapies, vaccines against human orthopoxvirus infections, new approaches for the environmental detection of virions, and methods to accomplish more rapid diagnosis of disease.

Abbreviations: PBR

Synonyms: Poxvirus Bioinformatics Resource Center

Resource Type: database, data or information resource

Keywords: FASEB list

Resource Name: Poxvirus Bioinformatics Resource Center

Resource ID: SCR_007870

Record Creation Time: 20220129T080244+0000

Record Last Update: 20260821T042751+0000

Ratings and Alerts

No rating or validation information has been found for Poxvirus Bioinformatics Resource Center.

No alerts have been found for Poxvirus Bioinformatics Resource Center.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 59 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#).

Quach HQ, et al. (2022) Evaluating immunogenicity of pathogen-derived T-cell epitopes to design a peptide-based smallpox vaccine. Scientific reports, 12(1), 15401.

Tamošiūnaitis A, et al. (2016) Histopathological and Immunohistochemical Studies of Cowpox Virus Replication in a Three-Dimensional Skin Model. Journal of comparative pathology, 155(1), 55.

Nelson CA, et al. (2015) Structural Conservation and Functional Diversity of the Poxvirus Immune Evasion (PIE) Domain Superfamily. Viruses, 7(9), 4878.

Strnadova P, et al. (2015) Inhibition of Translation Initiation by Protein 169: A Vaccinia Virus Strategy to Suppress Innate and Adaptive Immunity and Alter Virus Virulence. PLoS pathogens, 11(9), e1005151.

Hand ES, et al. (2015) Ectopic expression of vaccinia virus E3 and K3 cannot rescue ectromelia virus replication in rabbit RK13 cells. PLoS one, 10(3), e0119189.

Leite F, et al. (2015) The role of signalling and the cytoskeleton during Vaccinia Virus egress. Virus research, 209, 87.

Okeke MI, et al. (2014) Molecular characterization and phylogenetics of Fennoscandian cowpox virus isolates based on the p4c and atip genes. Virology journal, 11, 119.

Bareiss B, et al. (2014) Fowlpox virus encodes two p28-like ubiquitin ligases that are expressed early and late during infection. Virology, 462-463, 60.

Brennan G, et al. (2014) Adaptive gene amplification as an intermediate step in the expansion of virus host range. PLoS pathogens, 10(3), e1004002.

Kugelman JR, et al. (2014) Genomic variability of monkeypox virus among humans, Democratic Republic of the Congo. Emerging infectious diseases, 20(2), 232.

Ferguson BJ, et al. (2013) Vaccinia virus protein N2 is a nuclear IRF3 inhibitor that promotes virulence. The Journal of general virology, 94(Pt 9), 2070.

Welch MD, et al. (2013) Arp2/3-mediated actin-based motility: a tail of pathogen abuse. Cell host & microbe, 14(3), 242.

Mansur DS, et al. (2013) Poxvirus targeting of E3 ligase β -TrCP by molecular mimicry: a mechanism to inhibit NF- κ B activation and promote immune evasion and virulence. PLoS pathogens, 9(2), e1003183.

Probst A, et al. (2013) Human CD4 T cell epitopes selective for Vaccinia versus Variola virus. *Molecular immunology*, 53(4), 453.

Nakazawa Y, et al. (2013) Phylogenetic and ecologic perspectives of a monkeypox outbreak, southern Sudan, 2005. *Emerging infectious diseases*, 19(2), 237.

Ember SWJ, et al. (2012) Vaccinia virus protein C4 inhibits NF- κ B activation and promotes virus virulence. *The Journal of general virology*, 93(Pt 10), 2098.

Moss B, et al. (2012) Poxvirus cell entry: how many proteins does it take? *Viruses*, 4(5), 688.

Mendez-Rios JD, et al. (2012) Genome sequence of erythromelalgia-related poxvirus identifies it as an ectromelia virus strain. *PloS one*, 7(4), e34604.

Schuenadel L, et al. (2012) Generation and characterization of a Cowpox virus mutant lacking host range factor CP77. *Virus research*, 168(1-2), 23.

Medaglia ML, et al. (2011) Swinepox virus outbreak, Brazil, 2011. *Emerging infectious diseases*, 17(10), 1976.