

# Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

## Poxvirus Bioinformatics Resource Center

RRID:SCR\_007870

Type: Tool

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### Proper Citation

Poxvirus Bioinformatics Resource Center (RRID:SCR\_007870)

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### Resource Information

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

**Proper Citation:** Poxvirus Bioinformatics Resource Center (RRID:SCR\_007870)

**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:** 20260808T190418+0000

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### 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 [SPARC SAWG](#) .

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.

Tamošiūnaitė 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.

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.

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

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.

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.

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

Ember SWJ, et al. (2012) Vaccinia virus protein C4 inhibits NF- $\kappa$ 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.

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

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

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