

# Resource Summary Report

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## BioAfrica HIV Informatics in Africa

RRID:SCR\_002295

Type: Tool

### Proper Citation

BioAfrica HIV Informatics in Africa (RRID:SCR\_002295)

### Resource Information

**URL:** <http://bioafrica.mrc.ac.za/index.html>

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**Description:** The BioAfrica HIV-1 Proteomics Resource is a website that contains detailed information about the HIV-1 proteome and protease cleavage sites, as well as data-mining tools that can be used to manipulate and query protein sequence data, a BLAST tool for initiating structural analyses of HIV-1 proteins, and a proteomics tools directory. HIV Proteomics Resource contains information about each HIV-1 gene product in regard to expression, post-transcriptional / post-translational modifications, localization, functional activities, and potential interactions with viral and host macromolecules. The Proteome section contains extensive data on each of 19 HIV-1 proteins, including their functional properties, a sample analysis of HIV-1HXB2, structural models and links to other online resources. The HIV-1 Protease Cleavage Sites section provides information on the position, subtype variation and genetic evolution of Gag, Gag-Pol and Nef cleavage sites.

**Synonyms:** HIV Informatics in Africa

**Resource Type:** data or information resource, portal, topical portal

**Keywords:** expression, functional, gene, aids, cleavage, database, hiv, hiv/aids databases, interaction, localization, model, modification, post-transcriptional, post-translational, protease, protein, proteome, proteomic, publication, research, sequence, software, structural, journal article

**Resource Name:** BioAfrica HIV Informatics in Africa

**Resource ID:** SCR\_002295

**Alternate IDs:** nif-0000-21050

**Record Creation Time:** 20220129T080212+0000

**Record Last Update:** 20260905T132446+0000

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## Ratings and Alerts

No rating or validation information has been found for BioAfrica HIV Informatics in Africa.

No alerts have been found for BioAfrica HIV Informatics in Africa.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 5 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [PRECISE-TBI](#) .

Druce M, et al. (2016) Improving HIV proteome annotation: new features of BioAfrica HIV Proteomics Resource. Database : the journal of biological databases and curation, 2016.

Lin SY, et al. (2016) Molecular Evolution and Phylodynamics of Acute Hepatitis B Virus in Japan. PloS one, 11(6), e0157103.

Wilkinson E, et al. (2015) History and origin of the HIV-1 subtype C epidemic in South Africa and the greater southern African region. Scientific reports, 5, 16897.

Harrison A, et al. (2011) Genomic analysis of hepatitis B virus reveals antigen state and genotype as sources of evolutionary rate variation. Viruses, 3(2), 83.

Penn O, et al. (2008) Evolutionary modeling of rate shifts reveals specificity determinants in HIV-1 subtypes. PLoS computational biology, 4(11), e1000214.