

Resource Summary Report

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HIV-1 Human Protein Interaction Database

RRID:SCR_006879

Type: Tool

Proper Citation

HIV-1 Human Protein Interaction Database (RRID:SCR_006879)

Resource Information

URL: <http://www.ncbi.nlm.nih.gov/RefSeq/HIVInteractions/>

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Description: A database of interactions between HIV-1 and human proteins published in the peer-reviewed literature. The goal is to provide a concise, yet detailed, summary of all known interactions of HIV-1 proteins with host cell proteins, other HIV-1 proteins, or proteins from disease organisms associated with HIV/AIDS. For each HIV-1 human protein interaction the following information is provided: * NCBI Reference Sequence (RefSeq) protein accession numbers. * NCBI Entrez Gene ID numbers. * Amino acids from each protein that are known to be involved in the interaction. * Brief description of the protein-protein interaction. * Keywords to support searching for interactions. * PubMed identification numbers (PMIDs) for all journal articles describing the interaction. In addition, all protein-protein interactions documented in the database are integrated into Entrez Gene records and listed in the "HIV-1 protein interactions" section of Entrez Gene reports. The database is also tightly linked to other databases through Entrez Gene, enabling users to search for an abundance of information related to HIV pathogenesis and replication.

Abbreviations: HIV-1 Human Protein Interaction Database

Synonyms: HIV-1: Human Protein Interaction Database, Human immunodeficiency virus type 1 human protein interaction database at NCBI

Resource Type: data or information resource, database

Defining Citation: [PMID:18927109](#), [PMID:19025396](#), [PMID:19262354](#)

Keywords: protein-protein interaction, protein, interaction, cellular protein

Related Condition: Human immunodeficiency virus, Type 1

Funding: NIAID contract N01-AI-05415;
NIAID N01-AI-70042

Availability: Acknowledgement requested

Resource Name: HIV-1 Human Protein Interaction Database

Resource ID: SCR_006879

Alternate IDs: nif-0000-02964

Record Creation Time: 20220129T080238+0000

Record Last Update: 20260905T133137+0000

Ratings and Alerts

No rating or validation information has been found for HIV-1 Human Protein Interaction Database.

No alerts have been found for HIV-1 Human Protein Interaction Database.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Saxena R, et al. (2015) Proteomic profiling of SupT1 cells reveal modulation of host proteins by HIV-1 Nef variants. PloS one, 10(4), e0122994.

Lin MH, et al. (2014) A HIV-1 Tat mutant protein disrupts HIV-1 Rev function by targeting the DEAD-box RNA helicase DDX1. Retrovirology, 11, 121.

, et al. (2013) Database resources of the National Center for Biotechnology Information. Nucleic acids research, 41(Database issue), D8.

Kraja AT, et al. (2012) Obesity-insulin targeted genes in the 3p26-25 region in human studies and LG/J and SM/J mice. Metabolism: clinical and experimental, 61(8), 1129.

Sayers EW, et al. (2012) Database resources of the National Center for Biotechnology Information. Nucleic acids research, 40(Database issue), D13.

Münk C, et al. (2011) Systems-biology approaches to discover anti-viral effectors of the human innate immune response. Viruses, 3(7), 1112.

Sayers EW, et al. (2011) Database resources of the National Center for Biotechnology Information. *Nucleic acids research*, 39(Database issue), D38.

Fellay J, et al. (2010) Host genetics and HIV-1: the final phase? *PLoS pathogens*, 6(10), e1001033.

Sayers EW, et al. (2010) Database resources of the National Center for Biotechnology Information. *Nucleic acids research*, 38(Database issue), D5.

Li J, et al. (2010) Gene expression variability within and between human populations and implications toward disease susceptibility. *PLoS computational biology*, 6(8).

Chatr-aryamontri A, et al. (2009) VirusMINT: a viral protein interaction database. *Nucleic acids research*, 37(Database issue), D669.

Fu W, et al. (2009) Human immunodeficiency virus type 1, human protein interaction database at NCBI. *Nucleic acids research*, 37(Database issue), D417.

König R, et al. (2008) Global analysis of host-pathogen interactions that regulate early-stage HIV-1 replication. *Cell*, 135(1), 49.