

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](#) on Apr 15, 2025

IVDB - Influenza Virus Database

RRID:SCR_013404

Type: Tool

Proper Citation

IVDB - Influenza Virus Database (RRID:SCR_013404)

Resource Information

URL: <http://influenza.psych.ac.cn/>

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Description: IVDB hosts complete genome sequences of influenza A virus generated by BGI and curates all other published influenza virus sequences after expert annotations. For the convenience of efficient data utilization, our Q-Filter system classifies and ranks all nucleotide sequences into 7 categories according to sequence content and integrity. IVDB provides a series of tools and viewers for analyzing the viral genomes, genes, genetic polymorphisms and phylogenetic relationships comparatively. A searching system is developed for users to retrieve a combination of different data types by setting various search options. To facilitate analysis of the global viral transmission and evolution, the IV Sequence Distribution Tool (IVDT) is developed to display worldwide geographic distribution of the viral genotypes and to couple genomic data with epidemiological data. The BLAST, multiple sequence alignment tools and phylogenetic analysis tools were integrated for online data analysis. Furthermore, IVDB offers instant access to the pre-computed alignments and polymorphism analysis of influenza virus genes and proteins and presents the results by SNP distribution plots and minor allele distributions. IVDB aims to be a powerful information resource and an analysis workbench for scientists working on IV genetics, evolution, diagnostics, vaccine development, and drug design.

Resource Type: database, data or information resource

Funding:

Resource Name: IVDB - Influenza Virus Database

Resource ID: SCR_013404

Alternate IDs: nif-0000-03058

Record Creation Time: 20220129T080315+0000

Record Last Update: 20250412T055720+0000

Ratings and Alerts

No rating or validation information has been found for IVDB - Influenza Virus Database.

No alerts have been found for IVDB - Influenza Virus Database.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Mazzocco G, et al. (2016) 3DFlu: database of sequence and structural variability of the influenza hemagglutinin at population scale. Database : the journal of biological databases and curation, 2016.

Squires RB, et al. (2012) Influenza research database: an integrated bioinformatics resource for influenza research and surveillance. Influenza and other respiratory viruses, 6(6), 404.