

Resource Summary Report

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GeneVito

RRID:SCR_006211

Type: Tool

Proper Citation

GeneVito (RRID:SCR_006211)

Resource Information

URL: <http://athina.biol.uoa.gr/bioinformatics/GENEVITO/>

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Description: A JAVA-based computer application that serves as a workbench for genome-wide analysis through visual interaction. GeneViTo offers an inspectional view of genomic functional elements, concerning data stemming both from database annotation and analysis tools for an overall analysis of existing genomes. The application deals with various experimental information concerning both DNA and protein sequences (derived from public sequence databases or proprietary data sources) and meta-data obtained by various prediction algorithms, classification schemes or user-defined features. Interaction with a Graphical User Interface (GUI) allows easy extraction of genomic and proteomic data referring to the sequence itself, sequence features, or general structural and functional features. Emphasis is laid on the potential comparison between annotation and prediction data in order to offer a supplement to the provided information, especially in cases of poor annotation, or an evaluation of available predictions. Moreover, desired information can be output in high quality JPEG image files for further elaboration and scientific use. GeneViTo has already been applied to visualize the genomes of two microbial organisms: the bacterion *Chlamydia trachomatis* and the archaeon *Methanococcus jannaschii*. The application is compatible with Linux or Windows ME-2000-XP operating systems, provided that the appropriate Java Runtime Environment (Java 1.4.1) is already installed in the system.

Abbreviations: GeneVito

Synonyms: GeneVito: Genome Visualization Tool, GeneViTo (Genome Visualization Tool), Genome Visualization Tool

Resource Type: data processing software, data visualization software, software application, software resource

Defining Citation: [PMID:14594459](https://pubmed.ncbi.nlm.nih.gov/14594459/)

Keywords: java, genome-wide analysis, genome, visualization, gene, function, structure, dna, protein sequence, genomic, proteomic

Availability: Free for academic use, Acknowledgement requested

Resource Name: GeneVito

Resource ID: SCR_006211

Alternate IDs: nlx_151776

Record Creation Time: 20220129T080234+0000

Record Last Update: 20260912T195636+0000

Ratings and Alerts

No rating or validation information has been found for GeneVito.

No alerts have been found for GeneVito.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.