Resource Summary Report

Generated by NIF on Apr 19, 2025

GEMINI

RRID:SCR_014819
Type: Tool

Proper Citation

GEMINI (RRID:SCR_014819)

Resource Information

URL: https://gemini.readthedocs.io/en/latest/

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Description: Framework for exploring genetic variation in the context of the genome annotations available for the human genome. Users can load a VCF file into a database and each variant is automatically annotated by comparing it to several genome annotations from source such as ENCODE tracks, UCSC tracks, OMIM, dbSNP, KEGG, and HPRD.

Synonyms: GEnome MINIng (GEMINI), GEMINI - a flexible framework for exploring genome variation, Genome Mining, GEnome MINIng

Resource Type: software resource

Defining Citation: DOI:10.1371/journal.pcbi.1003153

Keywords: framework, genetic variation, annotation, human, genome, vcf, database, , bio.tools, FASEB list

Funding:

Availability: Freely available

Resource Name: GEMINI

Resource ID: SCR_014819

Alternate IDs: biotools:gemini

Alternate URLs: https://github.com/arq5x/gemini, https://bio.tools/gemini

License: MIT license

Record Creation Time: 20220129T080322+0000

Record Last Update: 20250410T070535+0000

Ratings and Alerts

No rating or validation information has been found for GEMINI.

No alerts have been found for GEMINI.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 440 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Kaya Kaçar H, et al. (2025) Diet Quality and Caloric Accuracy in AI-Generated Diet Plans: A Comparative Study Across Chatbots. Nutrients, 17(2).

Colacci M, et al. (2025) Patient Complexity, Social Factors, and Hospitalization Outcomes at Academic and Community Hospitals. JAMA network open, 8(1), e2454745.

Ntinopoulos V, et al. (2025) Large language models for data extraction from unstructured and semi-structured electronic health records: a multiple model performance evaluation. BMJ health & care informatics, 32(1).

Stoffels M, et al. (2025) Characterization of exclusive rib lesions detected by [68 Ga]Ga-PSMA-11 PET/CT. Nuclear medicine communications, 46(1), 95.

Ouwerkerk J, et al. (2024) FAIR data retrieval for sensitive clinical research data in Galaxy. GigaScience, 13.

Peeters WHJ, et al. (2024) Direct bandgap quantum wells in hexagonal Silicon Germanium. Nature communications, 15(1), 5252.

Shafiee A, et al. (2024) In Vitro Evaluation of Drug-Drug Interaction Potential of Epetraborole, a Novel Bacterial Leucyl-tRNA Synthetase Inhibitor. Pharmaceuticals (Basel, Switzerland), 17(1).

Kim M, et al. (2024) Phlorotannin Supplement Improves Scopolamine-Induced Memory Dysfunction by Rescuing Synaptic Damage in Mice. Journal of microbiology and biotechnology, 34(11), 2301.

Klingbeil O, et al. (2024) MARK2/MARK3 Kinases Are Catalytic Codependencies of YAP/TAZ in Human Cancer. Cancer discovery, 14(12), 2471.

Chang CN, et al. (2024) Navigating STEM careers with AI mentors: a new IDP journey. Frontiers in artificial intelligence, 7, 1461137.

Zheng J, et al. (2024) Developing and Externally Validating a Simple Index Based on the Nonlinear Relationship of Fecal Calprotectin and Long-Term Outcomes in Ulcerative Colitis. Journal of inflammation research, 17, 11247.

Yang Y, et al. (2024) Network pharmacology and in vitro experiments to investigate the anti-gastric cancer effects of paeoniflorin through the RAS/MAPK signaling pathway. Discover oncology, 15(1), 659.

Zanetta A, et al. (2024) Vertically oriented low-dimensional perovskites for high-efficiency wide band gap perovskite solar cells. Nature communications, 15(1), 9069.

Atsumi Y, et al. (2024) Protocol for single-molecule imaging of transcription and epigenetic factors in human neural stem cell-derived neurons. STAR protocols, 5(4), 103432.

Dentella V, et al. (2024) Testing AI on language comprehension tasks reveals insensitivity to underlying meaning. Scientific reports, 14(1), 28083.

Nemati S, et al. (2024) Improvement of esophageal cancer survival in Northeast Iran: A two-decade journey in a high-risk, low- resource region. PloS one, 19(9), e0310842.

Wang S, et al. (2024) Rare coding variants in NOX4 link high ROS levels to psoriatic arthritis mutilans. EMBO molecular medicine, 16(3), 596.

Gökba? B, et al. (2024) SLKB: synthetic lethality knowledge base. Nucleic acids research, 52(D1), D1418.

O'Shaughnessy EC, et al. (2024) pHusion - a robust and versatile toolset for automated detection and analysis of exocytosis. Journal of cell science, 137(20).

He T, et al. (2024) Targeting the mSWI/SNF Complex in POU2F-POU2AF Transcription Factor-Driven Malignancies. bioRxiv : the preprint server for biology.