Resource Summary Report

Generated by <u>NIF</u> on Apr 26, 2025

shazam

RRID:SCR_024301 Type: Tool

Proper Citation

shazam (RRID:SCR_024301)

Resource Information

URL: https://cran.r-project.org/web/packages/shazam/index.html

Proper Citation: shazam (RRID:SCR_024301)

Description: Software R package provides computational framework for analyzing mutations in immunoglobulin sequences. Immunoglobulin Somatic Hypermutation Analysis.

Resource Type: software toolkit, software resource

Keywords: computational framework, analyzing mutations, immunoglobulin sequences,

Funding:

Availability: Free, Available for download, Freely available,

Resource Name: shazam

Resource ID: SCR_024301

Alternate IDs: OMICS_29370

Alternate URLs: https://sources.debian.org/src/r-cran-shazam/

License: AGPL-3

Record Creation Time: 20230830T050217+0000

Record Last Update: 20250425T060603+0000

Ratings and Alerts

No rating or validation information has been found for shazam.

No alerts have been found for shazam.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 18 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>NIF</u>.

McIntire KM, et al. (2024) Maturation of germinal center B cells after influenza virus vaccination in humans. The Journal of experimental medicine, 221(8).

Sanchez GM, et al. (2024) Aberrant zonal recycling of germinal center B cells impairs appropriate selection in lupus. Cell reports, 43(11), 114978.

Fantin RF, et al. (2024) Dissecting human monoclonal antibody responses from mRNA- and protein-based XBB.1.5 COVID-19 monovalent vaccines. bioRxiv : the preprint server for biology.

Verma S, et al. (2024) Antigen-level resolution of commensal-specific B cell responses can be enabled by phage display screening coupled with B cell tetramers. Immunity, 57(6), 1428.

Asashima H, et al. (2023) PD-1highCXCR5-CD4+ peripheral helper T cells promote CXCR3+ plasmablasts in human acute viral infection. Cell reports, 42(1), 111895.

Phung I, et al. (2023) A combined adjuvant approach primes robust germinal center responses and humoral immunity in non-human primates. Nature communications, 14(1), 7107.

Suchanek O, et al. (2023) Tissue-resident B cells orchestrate macrophage polarisation and function. Nature communications, 14(1), 7081.

Jiang R, et al. (2023) The Plasma Cell Infiltrate Populating the Muscle Tissue of Patients with Inclusion Body Myositis Features Distinct B Cell Receptor Repertoire Properties. ImmunoHorizons, 7(5), 310.

Wang M, et al. (2023) High-throughput single-cell profiling of B cell responses following inactivated influenza vaccination in young and older adults. Aging, 15(18), 9250.

Jensen CG, et al. (2023) Inferring B cell phylogenies from paired heavy and light chain BCR sequences with Dowser. bioRxiv : the preprint server for biology.

Ye Y, et al. (2022) Single-cell profiling reveals distinct adaptive immune hallmarks in MDA5+ dermatomyositis with therapeutic implications. Nature communications, 13(1), 6458.

Welbourn S, et al. (2022) A neutralizing antibody target in early HIV-1 infection was recapitulated in rhesus macaques immunized with the transmitted/founder envelope sequence. PLoS pathogens, 18(5), e1010488.

Lindenbaum O, et al. (2021) Alignment free identification of clones in B cell receptor repertoires. Nucleic acids research, 49(4), e21.

Klompus S, et al. (2021) Cross-reactive antibodies against human coronaviruses and the animal coronavirome suggest diagnostics for future zoonotic spillovers. Science immunology, 6(61).

Jiang R, et al. (2021) Single-cell immunophenotyping of the skin lesion erythema migrans identifies IgM memory B cells. JCI insight, 6(12).

Zhang L, et al. (2020) Comprehensive investigation of T and B cell receptor repertoires in an MC38 tumor model following murine anti?PD?1 administration. Molecular medicine reports, 22(2), 975.

Fitzpatrick Z, et al. (2020) Gut-educated IgA plasma cells defend the meningeal venous sinuses. Nature, 587(7834), 472.

Davydov AN, et al. (2018) Comparative Analysis of B-Cell Receptor Repertoires Induced by Live Yellow Fever Vaccine in Young and Middle-Age Donors. Frontiers in immunology, 9, 2309.