Resource Summary Report

Generated by <u>NIF</u> on Apr 25, 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.

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.

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

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.