

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

[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,

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: 20260729T044604+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 27 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Ramezani-Rad P, et al. (2025) The saponin monophosphoryl lipid A nanoparticle adjuvant induces dose-dependent HIV vaccine responses in nonhuman primates. *The Journal of clinical investigation*, 135(8).

Rosenfeld R, et al. (2025) Efficient Identification of Monoclonal Antibodies Against Rift Valley Fever Virus Using High-Throughput Single Lymphocyte Transcriptomics of Immunized Mice. *Antibodies (Basel, Switzerland)*, 14(1).

Madden PJ, et al. (2025) Diverse priming outcomes under conditions of very rare precursor B cells. *Immunity*, 58(4), 997.

Varano G, et al. (2025) B-cell Receptor Silencing Reveals the Origin and Dependencies of High-Grade B-cell Lymphomas with MYC and BCL2 Rearrangements. *Blood cancer discovery*, 6(4), 364.

Ramezani-Rad P, et al. (2025) Vaccination with an mRNA-encoded membrane-bound HIV envelope trimer induces neutralizing antibodies in animal models. *Science translational medicine*, 17(809), eadw0721.

Kotagiri P, et al. (2025) Disease-specific B cell clones are shared between patients with Crohn's disease. *Nature communications*, 16(1), 3689.

Dumm W, et al. (2025) Leveraging DAGs to improve context-sensitive and abundance-aware tree estimation. *Philosophical transactions of the Royal Society of London. Series B, Biological sciences*, 380(1919), 20230315.

McGrath JJC, et al. (2025) Mutability and hypermutation antagonize immunoglobulin codon optimality. *Molecular cell*, 85(2), 430.

Risley CA, et al. (2025) Transcription factor T-bet regulates the maintenance and differentiation potential of lymph node and lung effector memory B cell subsets. *Immunity*, 58(7), 1706.

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*.

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

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

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-1^{high}CXCR5-CD4⁺ peripheral helper T_H 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.

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*.

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.

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.

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.