

Resource Summary Report

Generated by SPARC SAWG on Sep 14, 2026

VDJ Server

RRID:SCR_014356

Type: Tool

Proper Citation

VDJ Server (RRID:SCR_014356)

Resource Information

URL: <https://vdjserver.org/>

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Description: A web application immune repertoire management, analysis, and archiving. Users can collaborate and share data either privately or publicly. Users can perform a variety of tasks, such as create and share projects with other users, conduct pre-processing tasks on single end reads, run IgBlast, and obtain basic repertoire characterization results for B cell receptor and T cell receptor repertoires.

Synonyms: VDJServer

Resource Type: collaboration tool, data analysis software, data processing software, software application, software resource, web application

Keywords: omics data, web application, scalable resource, immune repertoire

Funding: NIAID 1R01A1097403

Availability: Free, Open source analysis software is available for local use

Resource Name: VDJ Server

Resource ID: SCR_014356

Alternate URLs: http://wiki.vdjserver.org/vdjserver/index.php/VDJServer_Wiki

Record Creation Time: 20220129T080320+0000

Record Last Update: 20260912T195815+0000

Ratings and Alerts

No rating or validation information has been found for VDJ Server.

No alerts have been found for VDJ Server.

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 [SPARC SAWG](#) .

Benavides S, et al. (2026) Increased VH4+JH6+ antibody heavy chain use in plasmablasts from asymptomatic multiple sclerosis patients. *Genes and immunity*, 27(3), 341.

Mika J, et al. (2025) A comprehensive evaluation of diversity measures for TCR repertoire profiling. *BMC biology*, 23(1), 133.

Barton J, et al. (2025) nuTCRacker: Predicting the Recognition of HLA-I-Peptide Complexes by ??TCRs for Unseen Peptides. *European journal of immunology*, 55(7), e51607.

Leary AY, et al. (2024) Designing meaningful continuous representations of T cell receptor sequences with deep generative models. *Nature communications*, 15(1), 4271.

Smith C, et al. (2024) Astrocytic stress response is induced by exposure to astrocyte-binding antibodies expressed by plasmablasts from pediatric patients with acute transverse myelitis. *Journal of neuroinflammation*, 21(1), 161.

Ali LR, et al. (2023) PD-1 blockade induces reactivation of non-productive T cell responses characterized by NF-kB signaling in patients with pancreatic cancer. *Clinical cancer research : an official journal of the American Association for Cancer Research*.

Cortegano I, et al. (2022) Age-dependent nasal immune responses in non-hospitalized bronchiolitis children. *Frontiers in immunology*, 13, 1011607.

Chen SY, et al. (2021) TCRdb: a comprehensive database for T-cell receptor sequences with powerful search function. *Nucleic acids research*, 49(D1), D468.

Liu H, et al. (2021) The methods and advances of adaptive immune receptors repertoire sequencing. *Theranostics*, 11(18), 8945.

Christley S, et al. (2021) T Cell Receptor Repertoires Acquired via Routine Pap Testing May Help Refine Cervical Cancer and Precancer Risk Estimates. *Frontiers in immunology*, 12, 624230.

Cottrell CA, et al. (2020) Mapping the immunogenic landscape of near-native HIV-1 envelope trimers in non-human primates. PLoS pathogens, 16(8), e1008753.

Ostmeyer J, et al. (2020) Biophysicochemical motifs in T cell receptor sequences as a potential biomarker for high-grade serous ovarian carcinoma. PloS one, 15(3), e0229569.

Olson BJ, et al. (2019) sumrep: A Summary Statistic Framework for Immune Receptor Repertoire Comparison and Model Validation. Frontiers in immunology, 10, 2533.

Link-Rachner CS, et al. (2019) T-cell receptor-? repertoire of CD8+ T cells following allogeneic stem cell transplantation using next-generation sequencing. Haematologica, 104(3), 622.

Christley S, et al. (2018) VDJSer: A Cloud-Based Analysis Portal and Data Commons for Immune Repertoire Sequences and Rearrangements. Frontiers in immunology, 9, 976.

Bolen CR, et al. (2017) The Repertoire Dissimilarity Index as a method to compare lymphocyte receptor repertoires. BMC bioinformatics, 18(1), 155.

Bagaev DV, et al. (2016) VDJviz: a versatile browser for immunogenomics data. BMC genomics, 17, 453.

Rubelt F, et al. (2016) Individual heritable differences result in unique cell lymphocyte receptor repertoires of naïve and antigen-experienced cells. Nature communications, 7, 11112.