

Resource Summary Report

Generated by T1D on Jul 30, 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: data processing software, collaboration tool, web application, data analysis software, software resource, software 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: 20260731T042908+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 16 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#).

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- κ B signaling in patients with pancreatic cancer. Clinical cancer research : an official journal of the American Association for Cancer Research.

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.

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.

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.

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- γ repertoire of CD8⁺ T cells following allogeneic stem cell transplantation using next-generation sequencing. *Haematologica*, 104(3), 622.

Christley S, et al. (2018) VDJSerVer: 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.