

Resource Summary Report

Generated by T1D on Aug 9, 2026

VDJbase

RRID:SCR_022599

Type: Tool

Proper Citation

VDJbase (RRID:SCR_022599)

Resource Information

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

Proper Citation: VDJbase (RRID:SCR_022599)

Description: Open source adaptive immune receptor genotype and haplotype database. Core collection is inferred from immune receptor repertoire sequences and genomically derived material. Provides customisable reports, which allow users to study gene and allele usage in various ways.

Resource Type: database, data or information resource

Defining Citation: [DOI:10.1093/nar/gkz872](https://doi.org/10.1093/nar/gkz872)

Keywords: Adaptive immune receptor genes, genotypes and haplotypes, immune receptor repertoire sequences, customisable reports, gene and allele

Funding: European Union ;
NIAID R01AI127877;
NIAID R01AI125567;
NIAID R01AI130398

Availability: Free, Freely available

Resource Name: VDJbase

Resource ID: SCR_022599

Record Creation Time: 20220729T050144+0000

Record Last Update: 20260808T190435+0000

Ratings and Alerts

No rating or validation information has been found for VDJbase.

No alerts have been found for VDJbase.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Thörnqvist L, et al. (2026) Allergen-specific human IgE isolated through an allergen-agnostic pipeline-understanding immune response and allergen recognition. Communications biology, 9(1).

Lees WD, et al. (2026) The current landscape of adaptive immune receptor genomic and repertoire data: OGRDB and VDJbase. Nucleic acids research, 54(D1), D932.

Jana U, et al. (2026) The human IG heavy chain constant gene locus is enriched for large structural variants and coding polymorphisms that vary among human populations. Cell genomics, 6(1), 101058.

Essén M, et al. (2025) Low nanomolar affinity to major grass pollen allergen Phl p 5 as achieved in an unmutated human antibody-lineage ancestor. Frontiers in immunology, 16, 1600778.

Engelbrecht E, et al. (2025) Germline polymorphisms in the immunoglobulin kappa and lambda loci explain variation in the expressed light chain antibody repertoire. Research square.

Engelbrecht E, et al. (2025) Germline polymorphisms in the immunoglobulin kappa and lambda loci underpinning antibody light chain repertoire variability. Nature communications, 16(1), 11707.

Engelbrecht E, et al. (2025) Germline polymorphisms in the immunoglobulin kappa and lambda loci explain variation in the expressed light chain antibody repertoire. bioRxiv : the preprint server for biology.

Jana U, et al. (2025) The human immunoglobulin heavy chain constant gene locus is enriched for large complex structural variants and coding polymorphisms that vary in frequency among human populations. bioRxiv : the preprint server for biology.

Engelbrecht E, et al. (2024) Resolving haplotype variation and complex genetic architecture in the human immunoglobulin kappa chain locus in individuals of diverse ancestry. Genes and immunity, 25(4), 297.

Zhang C, et al. (2024) DSCI: a database of synthetic biology components for innate immunity and cell engineering decision-making processes. *Advanced biotechnology*, 2(3), 29.

Chernyshev M, et al. (2021) VDJ Gene Usage in IgM Repertoires of Rhesus and Cynomolgus Macaques. *Frontiers in immunology*, 12, 815680.