

Resource Summary Report

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IMGT HighV-QUEST

RRID:SCR_018196

Type: Tool

Proper Citation

IMGT HighV-QUEST (RRID:SCR_018196)

Resource Information

URL: <http://www.imgt.org/HighV-QUEST/home.action>

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Description: Next generation B and T cell sequence alignment and characterization online surface by IMGT. Web portal for immunoglobulin (IG) or antibody and T cell receptor (TR) analysis from NGS high throughput and deep sequencing.

Synonyms: IMGT/HighV QUEST, IMGT/HighV-QUEST, IMGT web portal

Resource Type: alignment software, analysis service resource, data or information resource, data processing software, image analysis software, portal, production service resource, service resource, software application, software resource

Defining Citation: [PMID:22647994](#), [PMID:23995877](#), [PMID:22665256](#)

Keywords: Next generation sequencing, B cell, T cell, sequence alignment, immunoglobulin, antibody, T cell receptor, analysis, sequence, bio.tools

Funding: CNRS ;
GENCI ;
MESR ;
NHMRC ;
Université Montpellier 2 ;
France

Availability: Restricted

Resource Name: IMGT HighV-QUEST

Resource ID: SCR_018196

Alternate IDs: biotools:IMGt_HighV-QUEST

Alternate URLs: https://bio.tools/IMG_T_HighV-QUEST

Record Creation Time: 20220129T080339+0000

Record Last Update: 20260905T133009+0000

Ratings and Alerts

No rating or validation information has been found for IMG_T_HighV-QUEST.

No alerts have been found for IMG_T_HighV-QUEST.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Fournier B, et al. (2026) Novel de novo dominant PSMB10 variants in three patients with immune deficiency and liver disease. Journal of human immunity, 2(1), e20250096.

Tabilas C, et al. (2026) Single-cell gene expression and TCR profiling reveal age-related differences in recent thymic emigrants. iScience, 29(5), 115582.

Setty S, et al. (2025) A new sequential dual flow lab-on-a-chip with a lyophilized one-component chemiluminescence substrate for high-sensitive microchannel lateral flow assay (mLFA). Sensors & diagnostics, 4(4), 320.

Cuinat S, et al. (2025) XRCC4-related microcephalic primordial dwarfism: description of a clinical series of 7 cases, phenotype expansion and new diagnostic approaches. European journal of human genetics : EJHG, 33(7), 842.

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.

Dhenni R, et al. (2025) Macrophages direct location-dependent recall of B cell memory to vaccination. Cell, 188(13), 3477.

Chupp DP, et al. (2024) A humanized mouse that mounts mature class-switched, hypermutated and neutralizing antibody responses. Nature immunology, 25(8), 1489.

Nevone A, et al. (2024) SMaRT M-Seq: an optimized step-by-step protocol for M protein sequencing in monoclonal gammopathies. Biology methods & protocols, 9(1), bpa074.

Werner A, et al. (2022) Determining immunoglobulin-specific B cell receptor repertoire of murine splenocytes by next-generation sequencing. *STAR protocols*, 3(2), 101277.

Worth AN, et al. (2022) Receptor editing constrains development of phosphatidyl choline-specific B cells in VH12-transgenic mice. *Cell reports*, 39(11), 110899.

Zhang J, et al. (2022) Trim14 promotes osteoclastogenesis and noncanonical NF- κ B activation by targeting p100/p52 in chronic periodontitis. *Oral diseases*, 28(7), 1958.

Chiou SH, et al. (2021) Global analysis of shared T cell specificities in human non-small cell lung cancer enables HLA inference and antigen discovery. *Immunity*, 54(3), 586.

Scheepers C, et al. (2020) Antibody Isotype Switching as a Mechanism to Counter HIV Neutralization Escape. *Cell reports*, 33(8), 108430.

Schultheiß C, et al. (2020) Next-Generation Sequencing of T and B Cell Receptor Repertoires from COVID-19 Patients Showed Signatures Associated with Severity of Disease. *Immunity*, 53(2), 442.

Wong R, et al. (2020) Affinity-Restricted Memory B Cells Dominate Recall Responses to Heterologous Flaviviruses. *Immunity*, 53(5), 1078.