

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: 20260821T194143+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 [NIF](#) .

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.

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

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.

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), bpae074.

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.