

Resource Summary Report

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VEGA

RRID:SCR_007907

Type: Tool

Proper Citation

VEGA (RRID:SCR_007907)

Resource Information

URL: <http://vega.sanger.ac.uk/>

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Description: Central repository for high quality frequently updated manual annotation of vertebrate finished genome sequence. Human, mouse and zebrafish are in the process of being completely annotated, whereas for other species the annotation is only of specific genomic regions of particular biological interest. The majority of the annotation is from the HAVANA group at the Wellcome Trust Sanger Institute. Users can BLAST, search for specific text, export, and download data. Genomes and details of the projects for each species are available through the homepages for human mouse and zebrafish. The website is built upon code from the Ensembl (<http://www.ensembl.org>) project. Some Ensembl features are not available in Vega. From the users point of view perhaps the most significant of these is MartView. However due to their inclusion in Ensembl, Vega human and mouse data can be queried using Ensembl MartView. Vega contains annotation of the human MHC region in eight haplotypes, and the LRC region in three haplotypes. Vega also contains annotation on the Insulin Dependent Diabetes (IDD) regions on non-reference assemblies for mouse.

Abbreviations: VEGA

Synonyms: The Vertebrate Genome Annotation database (VEGA), Vertebrate Genome Annotation, Vertebrate Genome Annotation Database

Resource Type: data analysis service, data or information resource, database, service resource, production service resource, analysis service resource

Defining Citation: [PMID:18003653](#), [PMID:15975227](#), [PMID:15608237](#)

Keywords: human, mouse, zebrafish, gorilla, wallaby, pig, dog, vertebrate, genome, orfs, FASEB list

Resource Name: VEGA

Resource ID: SCR_007907

Alternate IDs: r3d100012575

Alternate URLs: <https://doi.org/10.17616/R3W77X>

Record Creation Time: 20220129T080244+0000

Record Last Update: 20260801T190341+0000

Ratings and Alerts

No rating or validation information has been found for VEGA.

No alerts have been found for VEGA.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 753 mentions in open access literature.

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

Malarvizhi GL, et al. (2025) Rationally Designed Functionalized Phytochemical-Conjugated Fullerene Quantum Dots Inhibiting Viral Chaperone Activity and RNA-Dependent RNA Polymerase in Nipah Virus. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 39(15), e70890.

Krishnan S, et al. (2025) Fractional inhibitory concentration of bio-actives from agricultural waste disassembles biofilms and quenches virulence of nosocomial pathogens. Journal of medical microbiology, 74(3).

Rafsten L, et al. (2025) Gothenburg very early supported discharge: evaluating differences in costs and environmental impact due to rehabilitation consumption during the first year in patients hospitalized due to mild stroke. BMC health services research, 25(1), 406.

Drivelegka P, et al. (2025) Allopurinol use and risk of acute coronary syndrome in gout patients: a population-based cohort study in Sweden. BMJ open, 15(2), e092522.

Jung T, et al. (2025) Vibration-Induced Stabilization of Lithium Anodes: Synergistic Effects of Morphological and SEI Evolution. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(26), e2502192.

Adamczyk O, et al. (2025) Electrospun Fiber Mats with Metronidazole: Design, Evaluation, and Release Kinetics. The journal of physical chemistry. B, 129(18), 4535.

- Gafforov Y, et al. (2025) Bioactivity profiling of Sanghuangporus lonicerinus: antioxidant, hypoglycaemic, and anticancer potential via in-vitro and in-silico approaches. *Journal of enzyme inhibition and medicinal chemistry*, 40(1), 2461185.
- Chen X, et al. (2025) Incident heart failure: comparing management and outcome in primary and hospital settings in Western Sweden 2008-2017. *ESC heart failure*, 12(2), 832.
- Builee T, et al. (2025) Characterization of medical device constituents and development of duration-based non-cancer threshold of toxicological concern values. *Frontiers in toxicology*, 7, 1600127.
- Bou??ka M, et al. (2025) Sc-doped GeTe thin films prepared by radio-frequency magnetron sputtering. *Scientific reports*, 15(1), 627.
- Pradeep P, et al. (2025) Applicability of In Silico New Approach Methods for the Risk Assessment of Tattoo Ink Ingredients. *Environmental and molecular mutagenesis*, 66(4), 199.
- Abedi E, et al. (2025) A machine learning tool for identifying metastatic colorectal cancer in primary care. *Scandinavian journal of primary health care*, 43(3), 585.
- Franzen M, et al. (2025) Taxonomic and Trophic Groups Mediate Latitudinal Variation in Saproxyllic Beetle Species Richness and Body Size Across Western Palaearctic Oak Forests. *Ecology and evolution*, 15(6), e71574.
- Black GP, et al. (2025) Comprehensive Nontargeted Analysis of Drinking Water Supplies to Identify Chemicals Associated with Estrogen Receptor Agonism or Present in Regions of Elevated Breast Cancer Occurrence. *Environmental science & technology*, 59(10), 5237.
- Sachs M, et al. (2025) Metal-centred states control carrier lifetimes in transition metal oxide photocatalysts. *Nature chemistry*, 17(9), 1348.
- De Mel S, et al. (2025) Green synthesis of silver nanoparticles using *Magnolia alba* leaf extracts and evaluating their antimicrobial, anticancer, antioxidant, and photocatalytic properties. *Scientific reports*, 15(1), 23709.
- Zhang J, et al. (2025) Coupled In Silico Toxicology Models Reveal Equivalent Ecological Risks from BPA and Its Alternatives in Chinese Surface Waters. *Toxics*, 13(8).
- Mallouka G, et al. (2025) Room temperature green synthesis and time resolved kinetics of formation of xanthan gum stabilised silver nanoparticles with catalytic and antibacterial potential. *Scientific reports*, 15(1), 31626.
- Mueller I, et al. (2025) An advancement in developmental and reproductive toxicity (DART) risk assessment: evaluation of a bioactivity and exposure-based NAM toolbox. *Frontiers in toxicology*, 7, 1602065.
- Tafazoli A, et al. (2025) Leveraging long-read sequencing technologies for pharmacogenomic testing: applications, analytical strategies, challenges, and future perspectives. *Frontiers in genetics*, 16, 1435416.