

Resource Summary Report

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GeneWiz browser

RRID:SCR_001454

Type: Tool

Proper Citation

GeneWiz browser (RRID:SCR_001454)

Resource Information

URL: <http://www.cbs.dtu.dk/services/gwBrowser/>

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Description: An interactive web application for visualizing genomic data of sequenced prokaryotic chromosomes. It allows users to carry out various analyses such as mapping alignments of homologous genes to other genomes, mapping of short sequencing reads to a reference chromosome, and calculating DNA properties such as curvature or stacking energy along the chromosome. The GeneWiz browser produces an interactive graphic that enables zooming from a global scale down to single nucleotides, without changing the size of the plot. Its ability to disproportionally zoom provides optimal readability and increased functionality compared to other browsers. The tool allows the user to select the display of various genomic features, color setting and data ranges. Custom numerical data can be added to the plot allowing, for example, visualization of gene expression and regulation data. Further, standard atlases are pre-generated for all prokaryotic genomes available in GenBank, providing a fast overview of all available genomes, including recently deposited genome sequences.

Resource Type: analysis service resource, production service resource, service resource

Defining Citation: [PMID:21304658](#)

Keywords: genome, chromosome, alignment, homologous gene, mapping, short sequencing reads, reference chromosome

Availability: Free, Freely Available

Resource Name: GeneWiz browser

Resource ID: SCR_001454

Alternate IDs: nif-0000-08429

Record Creation Time: 20220129T080207+0000

Record Last Update: 20260905T133113+0000

Ratings and Alerts

No rating or validation information has been found for GeneWiz browser.

No alerts have been found for GeneWiz browser.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Xu R, et al. (2017) Generation of targeted mutant rice using a CRISPR-Cpf1 system. Plant biotechnology journal, 15(6), 713.

Zhang R, et al. (2017) An in vitro synthetic biosystem based on acetate for production of phloroglucinol. BMC biotechnology, 17(1), 66.

Mahadevan S, et al. (2017) Maternally expressed NLRP2 links the subcortical maternal complex (SCMC) to fertility, embryogenesis and epigenetic reprogramming. Scientific reports, 7, 44667.

Shields MC, et al. (2017) Drosophila studies support a role for a presynaptic synaptotagmin mutation in a human congenital myasthenic syndrome. PloS one, 12(9), e0184817.

Baker Z, et al. (2017) Repeated losses of PRDM9-directed recombination despite the conservation of PRDM9 across vertebrates. eLife, 6.

Hurst MR, et al. (2016) The Draft Genome Sequence of the Yersinia entomophaga Entomopathogenic Type Strain MH96T. Toxins, 8(5).