Resource Summary Report

Generated by dkNET on May 1, 2025

Augustus

RRID:SCR_008417
Type: Tool

Proper Citation

Augustus (RRID:SCR_008417)

Resource Information

URL: http://bioinf.uni-greifswald.de/augustus/

Proper Citation: Augustus (RRID:SCR_008417)

Description: Software for gene prediction in eukaryotic genomic sequences. Serves as a basis for further steps in the analysis of sequenced and assembled eukaryotic genomes.

Synonyms: Augustus: Gene Prediction, WebAUGUSTUS, Augustus, Augustus [gene prediction]

Resource Type: data analysis software, sequence analysis software, software resource, data processing software, web application, software application

Defining Citation: PMID:23700307, DOI:10.1093/bioinformatics/btw494

Keywords: software, gene, prediction, eucaryotic, genomic, sequence

Funding: Deutsche Forschungsgemeinschaft (DFG) HO4545/1-1;;
STA1009/6-1 ;
Institute for Mathematics and Computer Science ;
Ernst Moritz Arndt University of Greifswald

Availability: Free, Available for download, Freely available

Resource Name: Augustus

Resource ID: SCR_008417

Alternate IDs: SCR_015981, OMICS_07777, nif-0000-30133

Alternate URLs: https://sources.debian.org/src/autodock-vina/

Record Creation Time: 20220129T080247+0000

Record Last Update: 20250430T055615+0000

Ratings and Alerts

No rating or validation information has been found for Augustus.

No alerts have been found for Augustus.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 2961 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET.

Krishnan M, et al. (2025) A novel mutation in SoIAA20 confers cross-resistance to 2,4-Dichlorophenoxyacetic acid and other auxinic herbicides in Sonchus oleraceus. Pest management science, 81(1), 141.

Liu JN, et al. (2025) Pan-genome analyses of 11 Fraxinus species provide insights into salt adaptation in ash trees. Plant communications, 6(1), 101137.

MacNish TR, et al. (2025) Brassica Panache: A multi-species graph pangenome representing presence absence variation across forty-one Brassica genomes. The plant genome, 18(1), e20535.

Liu S, et al. (2025) Chromosome-level genome assembly and annotation of Japanese anchovy (Engraulis japonicus). Scientific data, 12(1), 134.

An M, et al. (2025) Chromosome-Level Genome Assembly and Annotation of the Highly Heterozygous Phallus echinovolvatus Provide New Insights into Its Genetics. Journal of fungi (Basel, Switzerland), 11(1).

Li X, et al. (2025) Chromosome-level genome assembly and annotation of largemouth bronze gudgeon (Coreius guichenoti). Scientific data, 12(1), 76.

Patel J, et al. (2025) Whole genome sequencing, assembly and annotation of the Southern Ground Hornbill - Bucorvus leadbeateri. Scientific data, 12(1), 58.

Yang Y, et al. (2025) Chromosome-level genome assembly of the sweet potato rot nematode Ditylenchus destructor. Scientific data, 12(1), 174.

Roshka YA, et al. (2025) Antimicrobial Potential of Secalonic Acids from Arctic-Derived Penicillium chrysogenum INA 01369. Antibiotics (Basel, Switzerland), 14(1).

Polinski JM, et al. (2025) Chromosome-level reference genome for the Jonah crab, Cancer borealis. G3 (Bethesda, Md.), 15(1).

Gauthier J, et al. (2025) Chromosome-Scale Genomes of the Flightless Caterpillar Hunter Beetles Calosoma tepidum and Calosoma wilkesii From British Columbia (Coleoptera: Carabidae). Genome biology and evolution, 17(1).

Liu F, et al. (2025) Uneven distribution of prokaryote-derived horizontal gene transfer in fungi: a lifestyle-dependent phenomenon. mBio, 16(1), e0285524.

Li R, et al. (2025) Photosymbiosis shaped animal genome architecture and gene evolution as revealed in giant clams. Communications biology, 8(1), 7.

Clancy SM, et al. (2025) The Calicophoron daubneyi genome provides new insight into mechanisms of feeding, eggshell synthesis and parasite-microbe interactions. BMC biology, 23(1), 11.

Tenger-Trolander A, et al. (2025) Genomic Resources for the Scuttle Fly Megaselia abdita: A Model Organism for Comparative Developmental Studies in Flies. bioRxiv : the preprint server for biology.

Callejas-Hernández F, et al. (2025) Redefining the spliceosomal introns of the sexually transmitted parasite Trichomonas vaginalis and its close relatives in columbid birds. bioRxiv : the preprint server for biology.

D'aes J, et al. (2025) Metagenomics-based tracing of genetically modified microorganism contaminations in commercial fermentation products. Food chemistry. Molecular sciences, 10, 100236.

Wang Y, et al. (2025) A high-quality chromosome-scale genome assembly of the Cherokee rose (Rosa laevigata). Scientific data, 12(1), 132.

Liu R, et al. (2025) Chromosome-level reference genome and annotation of the Arctic fish Anisarchus medius. Scientific data, 12(1), 68.

Chudhary A, et al. (2025) Characterization of chemosensory genes in the subterranean pest Gryllotalpa Orientalis based on genome assembly and transcriptome comparison. BMC genomics, 26(1), 33.