Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 14, 2025

CodonW

RRID:SCR_023989
Type: Tool

Proper Citation

CodonW (RRID:SCR_023989)

Resource Information

URL: http://codonw.sourceforge.net

Proper Citation: CodonW (RRID:SCR_023989)

Description: Software tool designed to simplify Multivariate analysis (correspondence analysis) of codon and amino acid usage. It also calculates standard indices of codon usage.

Synonyms: codonw

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

Keywords: Multivariate analysis, correspondence analysis, codon and amino acid usage, calculate standard indices, codon usage,

Funding:

Availability: Free, Available for download, Freely available

Resource Name: CodonW

Resource ID: SCR_023989

Alternate IDs: OMICS_08756

Alternate URLs: https://sources.debian.org/src/codonw/

License: GNU General Public License version 2

Record Creation Time: 20230824T050211+0000

Record Last Update: 20250412T060616+0000

Ratings and Alerts

No rating or validation information has been found for CodonW.

No alerts have been found for CodonW.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 155 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Zhang R, et al. (2025) Molecular Phylogenetic Relationships Based on Mitogenomes of Spider: Insights Into Evolution and Adaptation to Extreme Environments. Ecology and evolution, 15(1), e70774.

Xiao X, et al. (2025) Comparative Analysis of Complete Chloroplast Genomes and Phylogenetic Relationships of 21 Sect. Camellia (Camellia L.) Plants. Genes, 16(1).

Wu Y, et al. (2025) Hotspots of genetic change in Yersinia pestis. Nature communications, 16(1), 388.

Guo F, et al. (2025) Insight into the codon usage patterns and adaptation of Tembusu Virus. Poultry science, 104(1), 104651.

Hai Y, et al. (2024) The chloroplast genomes of two medicinal species (Veronica anagallis-aquatica L. and Veronica undulata Wall.) and its comparative analysis with related Veronica species. Scientific reports, 14(1), 13945.

Han Y, et al. (2024) Comprehensive Analysis of the Complete Mitochondrial Genome of Rehmannia chingii: An Autotrophic Species in the Orobanchaceae Family. Genes, 15(1).

Zhan Q, et al. (2024) Comparative chloroplast genomics and phylogenetic analysis of Oreomecon nudicaulis (Papaveraceae). BMC genomic data, 25(1), 49.

Chen H, et al. (2024) Identification, molecular evolution, codon bias, and expansion analysis of NLP transcription factor family in foxtail millet (Setaria italica L.) and closely related crops. Frontiers in genetics, 15, 1395224.

Nguyen HD, et al. (2024) Comparative genomics revealed new insights into the plastome

evolution of Ludwigia (Onagraceae, Myrtales). Science progress, 107(3), 368504241272741.

Zhou YR, et al. (2024) The adaptive evolution of Quercus section Ilex using the chloroplast genomes of two threatened species. Scientific reports, 14(1), 20577.

Song BN, et al. (2024) Plastid phylogenomics contributes to the taxonomic revision of taxa within the genus Sanicula L. and acceptance of two new members of the genus. Frontiers in plant science, 15, 1351023.

Zhou LN, et al. (2024) Comparative analyses of plastomes in Allaeanthus and Malaisia: structure, evolution, and phylogeny. Scientific reports, 14(1), 22686.

Duan Y, et al. (2024) Comparative and phylogenetic analysis of the chloroplast genomes of four commonly used medicinal cultivars of Chrysanthemums morifolium. BMC plant biology, 24(1), 992.

Song BN, et al. (2024) Morphology, phylogeography, phylogeny, and taxonomy of Cyclorhiza (Apiaceae). Frontiers in plant science, 15, 1504734.

Bei C, et al. (2024) Genetically encoded transcriptional plasticity underlies stress adaptation in Mycobacterium tuberculosis. Nature communications, 15(1), 3088.

Choi TY, et al. (2024) Complete plastid genome of Iris orchioides and comparative analysis with 19 Iris plastomes. PloS one, 19(4), e0301346.

Singh CM, et al. (2024) Comprehensive characterization of protease inhibiting gene family, cis-regulatory elements, and protein interaction network in linseed and their expression upon bud fly infestation. Scientific reports, 14(1), 17907.

Wang R, et al. (2024) The complete Chloroplast genome of Stachys geobombycis and comparative analysis with related Stachys species. Scientific reports, 14(1), 8523.

Ran Z, et al. (2024) Complete chloroplast genomes of 13 species of sect. Tuberculata Chang (Camellia L.): genomic features, comparative analysis, and phylogenetic relationships. BMC genomics, 25(1), 108.

Tu XD, et al. (2024) The complete mitochondrial genome of Castanopsis carlesii and Castanea henryi reveals the rearrangement and size differences of mitochondrial DNA molecules. BMC plant biology, 24(1), 988.