Resource Summary Report

Generated by NIF on Jul 31, 2026

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 processing software, software application, data analysis software, software resource

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

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: 20260731T043135+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 193 mentions in open access literature.

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

Zhang H, et al. (2025) Complete Mitochondrial Genome and Its Phylogenetic Analysis of Oides decempunctatus (Coleoptera: Chrysomelidae). Ecology and evolution, 15(7), e71819.

Yang Q, et al. (2025) Landscape and m6A post-transcriptional regulation of soybean proteome. Cell genomics, 5(9), 100926.

Han S, et al. (2025) Comparative Genomics Insights Into the Evolutionary Disparities Between Nitroplast-Evolved Ecotype UCYN-A2 and Its Closest Relative UCYN-A1. Ecology and evolution, 15(7), e71739.

Castellanos NL, et al. (2025) Mitochondrial genome of Bactrocera fruit flies (Tephritidae: Dacini): features, structure, and significance for diagnosis. BMC genomics, 26(1), 700.

Tang Y, et al. (2025) Comparative and Phylogenetic Analysis of Complete Chloroplast Genomes of Five Mangifera Species. Genes, 16(6).

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).

Zheng HZ, et al. (2025) Comparative and evolutionary analysis of chloroplast genomes from five rare Styrax species. BMC genomics, 26(1), 450.

Wei S, et al. (2025) Plastome comparison and phylogenomics of Chinese endemic Schnabelia (Lamiaceae): insights into plastome evolution and species divergence. BMC plant biology, 25(1), 600.

Medina NS, et al. (2025) Mitochondrial Genome Variations and Possible Adaptive Implications in Some Tephritid Flies (Diptera, Tephritidae). International journal of molecular sciences, 26(12).

Jia X, et al. (2025) Codon usage patterns and genomic variation analysis of chloroplast genomes provides new insights into the evolution of Aroideae. Scientific reports, 15(1), 4333.

Abedi A, et al. (2025) Evolutionary dynamics of the calcium/cation antiporter superfamily in Brassicaceae: codon usage, selection pressure, and BnCaCAs role in abiotic stress response. Frontiers in plant science, 16, 1506461.

Zhu W, et al. (2025) Comparative genomics and phylogenetic analysis of mitochondrial genomes of Neocinnamomum. BMC plant biology, 25(1), 289.

Xiao X, et al. (2025) Mitochondrial genome assembly of the Chinese endemic species of Camellia luteoflora and revealing its repetitive sequence mediated recombination, codon preferences and MTPTs. BMC plant biology, 25(1), 435.

Li J, et al. (2025) Comparative Genomics and Phylogenetic Analyses of Aquarius macrophyllus and Related Genera in Alismataceae Based on Plastome Data. Ecology and evolution, 15(6), e71568.

Tao A, et al. (2025) The characterisation of the complete mitochondrial genome of Polygonatum Kingianum reveals recombination mediated by repeats associated with DNA replication. Scientific reports, 15(1), 19980.

Zhou LN, et al. (2025) Phylogenomic Analyses and DNA Barcoding Development Within Moraceae: Insights Into Genomic Features, Mutational Hotspots, and Adaptive Evolution. Ecology and evolution, 15(11), e72399.

Huang Y, et al. (2025) The first complete mitochondrial genome assembly and comparative analysis of the fern Blechnaceae family: Blechnopsis orientalis. Frontiers in plant science, 16, 1534171.

Sheng W, et al. (2025) The complete chloroplast genome of Gerbera piloselloides (L.) Cass., 1820 (Carduoideae, Asteraceae) and its phylogenetic analysis. Open life sciences, 20(1), 20251070.

Shen Y, et al. (2025) Natural Selection as the Primary Driver of Codon Usage Bias in the Mitochondrial Genomes of Three Medicago Species. Genes, 16(6).