

Resource Summary Report

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CEGMA

RRID:SCR_015055

Type: Tool

Proper Citation

CEGMA (RRID:SCR_015055)

Resource Information

URL: <http://korflab.ucdavis.edu/datasets/cegma/>

Proper Citation: CEGMA (RRID:SCR_015055)

Description: THIS RESOURCE IS NO LONGER IN SERVICE, documented on January 19, 2022. Tool to annotate core genes in eukaryotic genomes (that was replaced by BUSCO). Its resulting core gene dataset can be used to train a gene finder or to assess the completeness of the genome or annotations., THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16,2025.

Resource Type: data or information resource, data set

Keywords: gene annotation, eukaryote, benchmark

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: CEGMA

Resource ID: SCR_015055

Record Creation Time: 20220129T080323+0000

Record Last Update: 20260728T043448+0000

Ratings and Alerts

No rating or validation information has been found for CEGMA.

No alerts have been found for CEGMA.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 751 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Li N, et al. (2025) Chromosome-scale genome assembly of three-spotted seahorse (*Hippocampus trimaculatus*) with a unique karyotype. *Scientific data*, 12(1), 49.

Chen C, et al. (2025) Revealing Genomic Traits and Evolutionary Insights of *Oryza officinalis* from Southern China Through Genome Assembly and Transcriptome Analysis. *Rice* (New York, N.Y.), 18(1), 15.

Zheng S, et al. (2025) The origin, evolution, and translocation of sex chromosomes in *Silurus catfish* mediated by transposons. *BMC biology*, 23(1), 54.

Wang F, et al. (2025) Analysis of the *Rehmannia chingii* genome identifies RcCYP72H7 as an epoxidase in iridoid glycoside biosynthesis. *Nature communications*, 16(1), 6035.

Lodi RS, et al. (2025) Whole genome sequencing and annotations of *Trametes sanguinea* ZHSJ. *Scientific data*, 12(1), 1460.

Cui J, et al. (2025) Telomere-to-telomere *Phragmites australis* reference genome assembly with a B chromosome provides insights into its evolution and polysaccharide biosynthesis. *Communications biology*, 8(1), 73.

Meng K, et al. (2024) Chromosome-scale genome assembly and annotation of *Cotoneaster glaucophyllus*. *Scientific data*, 11(1), 406.

Wu Q, et al. (2024) Chromosome-scale reference genome of broccoli (*Brassica oleracea* var. *italica* Plenck) provides insights into glucosinolate biosynthesis. *Horticulture research*, 11(5), uhae063.

Huang Z, et al. (2024) High-quality chromosome-level genome assembly of the Northern Pacific sea star *Asterias amurensis*. *DNA research : an international journal for rapid publication of reports on genes and genomes*, 31(2).

Zhu S, et al. (2024) The jacktree genome and population genomics provides insights for the mechanisms of the germination obstacle and the conservation of endangered ornamental plants. *Horticulture research*, 11(8), uhae166.

Wang S, et al. (2024) High-quality chromosome-level genomic insights into molecular adaptation to low-temperature stress in *Madhuca longifolia* in southern subtropical China. *BMC genomics*, 25(1), 877.

Lu Y, et al. (2024) Whole-genome sequencing of the invasive golden apple snail *Pomacea canaliculata* from Asia reveals rapid expansion and adaptive evolution. *GigaScience*, 13.

Yan S, et al. (2024) Endophytic strategies decoded by genome and transcriptome analysis of *Fusarium nematophilum* strain NQ8GII4. *Frontiers in microbiology*, 15, 1487022.

Niimura Y, et al. (2024) Synchronized Expansion and Contraction of Olfactory, Vomeronasal, and Taste Receptor Gene Families in Hystricomorph Rodents. *Molecular biology and evolution*, 41(4).

Cheng Y, et al. (2024) A chromosome-level genome assembly of the Echiura *Urechis unicinctus*. *Scientific data*, 11(1), 90.

Zhou H, et al. (2024) Chromosome-level genome assembly of *Platycarya strobilacea*. *Scientific data*, 11(1), 269.

Fang Y, et al. (2024) Pan-genome and phylogenomic analyses highlight *Hevea* species delineation and rubber trait evolution. *Nature communications*, 15(1), 7232.

Zhang H, et al. (2024) The High-Quality Genome Sequencing and Analysis of Red Raspberry (*Rubus idaeus* L.). *International journal of genomics*, 2024, 9271183.

Wang J, et al. (2024) A chromosome-level genome assembly of the legume pod borer, *Maruca vitrata* Fabricius (Lepidoptera: Crambidae). *Scientific data*, 11(1), 1010.

Xiong Z, et al. (2024) Chromosome-level genome assembly of navel orange cv. Gannanzao (*Citrus sinensis* Osbeck cv. Gannanzao). *G3 (Bethesda, Md.)*, 14(2).