

# Resource Summary Report

Generated by dkNET on Apr 29, 2025

## OrthoDB

RRID:SCR\_011980

Type: Tool

### Proper Citation

OrthoDB (RRID:SCR\_011980)

### Resource Information

**URL:** <https://www.orthodb.org/>

**Proper Citation:** OrthoDB (RRID:SCR\_011980)

**Description:** Database of orthologous protein coding genes across vertebrates, arthropods, fungi, basal metazoans, and bacteria.

**Synonyms:** OrthoDB: Database of Orthologous Groups, OrthoDB v7, OrthoDB - The Hierarchical Catalog of Orthologs, OrthoDB v10

**Resource Type:** data or information resource, database

**Defining Citation:** [PMID:23180791](#)

**Keywords:** Hierarchical catalog, ortholog, protein coding genes, mapping genomics to functional data, FASEB list

**Funding:** Swiss National Foundation

**Availability:** Free, Freely available

**Resource Name:** OrthoDB

**Resource ID:** SCR\_011980

**Alternate IDs:** OMICS\_01692

**Alternate URLs:** <http://cegg.unige.ch/orthodb7>

**License:** Creative Commons Attribution License

**Record Creation Time:** 20220129T080307+0000

**Record Last Update:** 20250429T055458+0000

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## Ratings and Alerts

No rating or validation information has been found for OrthoDB.

No alerts have been found for OrthoDB.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 808 mentions in open access literature.

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

Zhang D, et al. (2025) Chromosome level genome assembly of 'Wanfeng' almond (*Prunus dulcis*). *Scientific data*, 12(1), 179.

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

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.

Toubiana W, et al. (2025) Functional monocentricity with holocentric characteristics and chromosome-specific centromeres in a stick insect. *Science advances*, 11(1), eads6459.

Zakerzade R, et al. (2025) Diversification and recurrent adaptation of the synaptonemal complex in *Drosophila*. *PLoS genetics*, 21(1), e1011549.

Tegenfeldt F, et al. (2025) OrthoDB and BUSCO update: annotation of orthologs with wider sampling of genomes. *Nucleic acids research*, 53(D1), D516.

Alejo-Jacuinde G, et al. (2025) Gene family rearrangements and transcriptional priming drive the evolution of vegetative desiccation tolerance in *Selaginella*. *The Plant journal : for cell and molecular biology*, 121(1), e17169.

Li L, et al. (2025) A Chromosomal-level genome assembly and annotation of fat greenling (*Hexagrammos otakii*). *Scientific data*, 12(1), 78.

Morinaga G, et al. (2025) From macro to micro: De novo genomes of *Aedes* mosquitoes enable comparative genomics among close and distant relatives. *bioRxiv : the preprint server for biology*.

Kelley M, et al. (2025) Tyrosine transfer RNA levels and modifications during blood-feeding and vitellogenesis in the mosquito, *Aedes aegypti*. *Insect molecular biology*, 34(1), 65.

Kosch TA, et al. (2025) Comparative analysis of amphibian genomes: An emerging resource for basic and applied research. *Molecular ecology resources*, 25(1), e14025.

Yi L, et al. (2025) Chromosome-level genome assemblies of sunflower oilseed and confectionery cultivars. *Scientific data*, 12(1), 24.

Rayamajhi N, et al. (2025) The genome of the cryopelagic Antarctic bald notothen, *Trematomus borchgrevinki*. *G3 (Bethesda, Md.)*, 15(1).

Yang W, et al. (2025) A metric and its derived protein network for evaluation of ortholog database inconsistency. *BMC bioinformatics*, 26(1), 6.

Ghelfi A, et al. (2025) Hayai-Annotation: A functional gene prediction tool that integrates orthologs and gene ontology for network analysis in plant species. *Computational and structural biotechnology journal*, 27, 117.

Wolf M, et al. (2024) Near chromosome-level and highly repetitive genome assembly of the snake pipefish *Entelurus aequoreus* (Syngnathiformes: Syngnathidae). *GigaByte* (Hong Kong, China), 2024, gigabyte105.

Weng YM, et al. (2024) Evolutionary genomics of three agricultural pest moths reveals rapid evolution of host adaptation and immune-related genes. *GigaScience*, 13.

Höglund J, et al. (2024) A Chromosome-Level Genome Assembly and Annotation for the Clouded Apollo Butterfly (*Parnassius mnemosyne*): A Species of Global Conservation Concern. *Genome biology and evolution*, 16(2).

Gable SM, et al. (2024) Differential Conservation and Loss of CR1 Retrotransposons in Squamates Reveals Lineage-Specific Genome Dynamics across Reptiles. *bioRxiv : the preprint server for biology*.