

# Resource Summary Report

Generated by SPARC SAWG on Jul 28, 2026

## OrthoDB

RRID:SCR\_011980

Type: Tool

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### Proper Citation

OrthoDB (RRID:SCR\_011980)

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### 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:** database, data or information resource

**Defining Citation:** [PMID:23180791](https://pubmed.ncbi.nlm.nih.gov/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:** 20260725T191202+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 999 mentions in open access literature.

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

García JF, et al. (2026) Intraspecies sequence-graph analysis of the *Phytophthora theobromicola* genome reveals a dynamic structure and variable effector repertoires. *G3* (Bethesda, Md.), 16(1).

Hirase S, et al. (2026) Ancestral Origin and Structural Characteristics of Non-Syntenic Homologous Chromosomes in Abalones (*Haliotis*). *Molecular ecology resources*, 26(1), e70057.

Bekavac M, et al. (2026) De novo genome assembly of Ansell's mole-rat (*Fukomys anelli*). *G3* (Bethesda, Md.), 16(1).

Maurstad MF, et al. (2026) The green lacewing venom system and the complex mechanisms underlying its evolution. *Molecular biology and evolution*, 43(1).

Tørresen OK, et al. (2026) Comparison of whole-genome assemblies of European river lamprey (*Lampetra fluviatilis*) and brook lamprey (*Lampetra planeri*). *The Journal of heredity*, 117(1), 96.

Fogg LG, et al. (2026) The visual system of the longest-living vertebrate, the Greenland shark. *Nature communications*, 17(1), 39.

Javier MCF, et al. (2025) Draft genome of the endangered visayan spotted deer (*Rusa alfredi*), a Philippine endemic species. *GigaByte* (Hong Kong, China), 2025, gigabyte150.

Tørresen OK, et al. (2025) A chromosome-level genome assembly of the common eider, *Somateria mollissima* (Linnaeus, 1758). *The Journal of heredity*, 116(3), 363.

Zheng J, et al. (2025) Genome mining and OSMAC strategies unveil diverse secondary metabolites from the endophytic fungus *Diaporthe kyushuensis* ZMU-48-1 with antifungal activity. *Frontiers in microbiology*, 16, 1604639.

Yue D, et al. (2025) Chromosome-level genome assembly of *Ampulex clypeocomplana* Chen & Li (Hymenoptera: Ampulicidae). *Scientific data*, 12(1), 1328.

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

Freedman AH, et al. (2025) Building better genome annotations across the tree of life. *Genome research*, 35(5), 1261.

Tittarelli E, et al. (2025) Transposable element dynamics in *Xenopus laevis* embryogenesis: a tale of two coexisting subgenomes. *Mobile DNA*, 16(1), 17.

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

Li Y, et al. (2025) Structural insights into spliceosome fidelity: DHX35-GPATCH1-mediated rejection of aberrant splicing substrates. *Cell research*, 35(4), 296.

Jetha P, et al. (2025) Discovery of Cortinarius O-methyltransferases for the heterologous production of dermolutein and physcion. *Biotechnology for biofuels and bioproducts*, 18(1), 25.

Robertson C, et al. (2025) Spiral phyllotaxis predicts left-right asymmetric growth and style deflection in mirror-image flowers of *Cyanella alba*. *Nature communications*, 16(1), 3695.

Garg KM, et al. (2025) Hybrid genome assembly of the widespread bat *Rhinolophus lepidus* provides insights into susceptibility to SARS-CoV-2 infection and climate change threat. *DNA research : an international journal for rapid publication of reports on genes and genomes*, 32(3).

Godec T, et al. (2025) Haplotype-resolved genome assembly of the tetraploid potato cultivar Désirée. *Scientific data*, 12(1), 1044.

Ryan K, et al. (2025) New Genome Assemblies for Poeciliidae: A Foundation for Adaptation Studies. *Genome biology and evolution*, 17(6).