

Resource Summary Report

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Zebrafish Information Network (ZFIN)

RRID:SCR_002560

Type: Tool

Proper Citation

Zebrafish Information Network (ZFIN) (RRID:SCR_002560)

Resource Information

URL: <http://zfin.org>

Proper Citation: Zebrafish Information Network (ZFIN) (RRID:SCR_002560)

Description: Model organism database that serves as central repository and web-based resource for zebrafish genetic, genomic, phenotypic and developmental data. Data represented are derived from three primary sources: curation of zebrafish publications, individual research laboratories and collaborations with bioinformatics organizations. Data formats include text, images and graphical representations. Serves as primary community database resource for laboratory use of zebrafish. Developed and supports integrated zebrafish genetic, genomic, developmental and physiological information and link this information extensively to corresponding data in other model organism and human databases.

Abbreviations: ZFIN

Synonyms: Zebrafish Database, The Zebrafish Model Organism Database, Zebra Model Organism Database, ZebraFish Information Network, ZFIN

Resource Type: data or information resource, database

Defining Citation: [PMID:23074187](#), [PMID:21036866](#), [PMID:16381936](#)

Keywords: expression, gene, anatomy, development, disease, genomic, model, molecular, mutant, neuronal, organism, phenotype, physiological, synteny, zebrafish, gene expression, genome sequence, molecular neuroanatomy resource, genotype, anatomical structure, publication, genome, image collection, gold standard, bio.tools, FASEB list, RRID Community Authority

Funding: NHGRI P41 HG002659;
NHGRI R01 HG004834

Availability: Free, Available for download, Freely available

Resource Name: Zebrafish Information Network (ZFIN)

Resource ID: SCR_002560

Alternate IDs: OMICS_01666, nif-0000-21427, biotools:zfin, r3d100010421, SCR_017504

Alternate URLs: http://zfin.org/ZFIN/misc_html/tips.html#newrecord, <https://wiki.zfin.org/display/general/ZFIN+Data+Submissions>, <https://bio.tools/zfin>, <https://doi.org/10.17616/R3CK5Z>

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License URLs:

<https://zfin.atlassian.net/wiki/spaces/general/pages/1942160112/WARRANTY+AND+LIABILITY+DISCLAIMER>

Record Creation Time: 20220129T080214+0000

Record Last Update: 20260905T133118+0000

Ratings and Alerts

No rating or validation information has been found for Zebrafish Information Network (ZFIN).

No alerts have been found for Zebrafish Information Network (ZFIN).

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 978 mentions in open access literature.

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

Dong Z, et al. (2026) Piezo3 is a novel mechanosensitive Piezo ion channel in vertebrates. bioRxiv : the preprint server for biology.

Xing YY, et al. (2026) BMP4 initiates and patterns ventral-caudal structures in zebrafish and human pluripotent stem cell aggregates. The EMBO journal, 45(1), 210.

Choudhary D, et al. (2026) Succinate supplementation ameliorates musculoskeletal defects caused by PLOD3 mutations in a BCARD syndrome model. Genome medicine, 18(1).

Wu K, et al. (2026) Evolutionary analysis of vertebrate KCNH voltage-gated potassium channels and their expression in zebrafish embryos. bioRxiv : the preprint server for biology.

- Qu X, et al. (2026) Investigation of epilepsy-related genes in a Drosophila model. *Neural regeneration research*, 21(1), 195.
- Shan M, et al. (2026) Vitamin E Modulates Hepatic Extracellular Adenosine Signaling to Attenuate Metabolic Dysfunction-Associated Steatotic Liver Disease (MASLD). *International journal of molecular sciences*, 27(2).
- Richard J, et al. (2026) NAD⁺ and Sirt5 restore mitochondrial bioenergetics failure and improve locomotor defects caused by *suc1a2* mutations. *JCI insight*, 11(2).
- Muñoz-Sánchez S, et al. (2026) PIKfyve mediates the maturation of mycobacteria-containing vesicles. *Frontiers in cellular and infection microbiology*, 16, 1792069.
- Capecki JA, et al. (2026) Evidence that disruption of Discoidin domain receptor 2 contributes to palate malformations through effects on the extracellular matrix. *Human molecular genetics*, 35(12).
- Li X, et al. (2026) A spatiotemporal atlas of cerebrovascular development in zebrafish. *Nature communications*, 17(1).
- Pagliarusco T, et al. (2026) Mytho/Phaf1 is required to prevent DNA damage and tissue degeneration in *Danio rerio*. *Cell death discovery*, 12(1).
- Díaz-Ortegón D, et al. (2026) Developmental and tissue-specific expression of thyrotropin-releasing hormone signaling genes in zebrafish and its association with glycemic regulation. *Biology open*, 15(3).
- Hu W, et al. (2026) Protective versus deleterious roles of pyroptosis in *Mycobacterium avium* and *Mycobacterium marinum* infections. *Cell death & disease*, 17(1).
- Dong Y, et al. (2026) Unravelling the progression of the zebrafish primary body axis with reconstructed spatiotemporal transcriptomics. *Genome biology*, 27(1), 11.
- Zha H, et al. (2026) Ferritin-Doped Nanoparticles Triggered Tumor-Specific Darkening for Enhanced Photothermal Tumor Ablation and Immune Activation. *Advanced healthcare materials*, 15(14), e05119.
- Song Y, et al. (2026) A genomic compendium of hundreds of teleost fishes reveals their evolutionary landscape. *Innovation (Cambridge (Mass.))*, 7(3), 101177.
- Kamaraj US, et al. (2026) Spatial cartography of human thymus enables the geopositioning of lineage transcription factors in rare mimetic thymic epithelial cells. *Nature communications*, 17(1).
- Pujolar JM, et al. (2026) Patterns of Population Genomic Variation and Evolutionary History of European Hake in the Northeastern Atlantic. *Ecology and evolution*, 16(2), e73085.
- Nayak S, et al. (2026) Evolutionary diversification and immunoprofiling of cathepsin L toolkit in common carp. *Frontiers in cellular and infection microbiology*, 16, 1805838.
- Zhu P, et al. (2026) *ift140* -Deficient Zebrafish as a Model for Kidney Cystogenesis and an F0-Based Screen for Genetic Modifiers of Kidney Cysts. *Journal of the American Society*

of Nephrology : JASN, 37(3), 474.