Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 2, 2024

Xenbase

RRID:SCR_003280

Type: Tool

Proper Citation

Xenbase (RRID:SCR_003280)

Resource Information

URL: http://www.xenbase.org/

Proper Citation: Xenbase (RRID:SCR_003280)

Description: Data collection for Xenopus laevis and Xenopus tropicalis biology and

genomics.

Abbreviations: XenBase

Synonyms: Xenbase: Xenopus laevis and tropicalis biology and genomics resource

Resource Type: database, data repository, image repository, storage service resource,

atlas, data or information resource, service resource

Defining Citation: PMID:23125366, PMID:19884130, PMID:36755307

Keywords: molecular neuroanatomy resource, dna target, protein target, gene, genome, function, sequence, orthology, publication, gene expression, model organism, genomics, development, annotation, blast, development stage, publication, in situ hybridization, immunohistochemistry, video resource, organism-related portal, experimental protocol, organism supplier, data analysis service, developmental stage, gold standard, bio.tools, FASEB list

Funding Agency: NICHD, NICHD

Availability: Restricted

Resource Name: Xenbase

Resource ID: SCR_003280

Alternate IDs: biotools:xenbase, OMICS_01665, nif-0000-01286

Alternate URLs: http://www.xenbase.org/entry/, https://bio.tools/xenbase

Ratings and Alerts

No rating or validation information has been found for Xenbase.

No alerts have been found for Xenbase.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 365 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Piekniewska A, et al. (2024) Do organisms need an impact factor? Citations of key biological resources including model organisms reveal usage patterns and impact. bioRxiv: the preprint server for biology.

Griffin C, et al. (2024) Sf3b4 mutation in Xenopus tropicalis causes RNA splicing defects followed by massive gene dysregulation that disrupt cranial neural crest development. bioRxiv: the preprint server for biology.

Lee H, et al. (2024) R-Spondin 2 governs Xenopus left-right body axis formation by establishing an FGF signaling gradient. Nature communications, 15(1), 1003.

Balashova OA, et al. (2024) Noncanonical function of folate through folate receptor 1 during neural tube formation. Nature communications, 15(1), 1642.

Sakagami K, et al. (2024) Development of a heat-stable alkaline phosphatase reporter system for cis-regulatory analysis and its application to 3D digital imaging of Xenopus embryonic tissues. Development, growth & differentiation.

Hutchison A, et al. (2024) Re-examining the evidence that ivermectin induces a melanomalike state in Xenopus embryos. BioEssays: news and reviews in molecular, cellular and developmental biology, 46(1), e2300143.

Mochii M, et al. (2024) A CRISPR-Cas9-mediated versatile method for targeted integration of a fluorescent protein gene to visualize endogenous gene expression in Xenopus laevis.

Developmental biology, 506, 42.

Keber FC, et al. (2024) Evidence for widespread cytoplasmic structuring into mesoscale condensates. Nature cell biology, 26(3), 346.

Frese AN, et al. (2024) Quantitative proteome dynamics across embryogenesis in a model chordate. iScience, 27(4), 109355.

Zhou JJ, et al. (2023) Histone deacetylase 1 maintains lineage integrity through histone acetylome refinement during early embryogenesis. eLife, 12.

Bertolesi GE, et al. (2023) Differential Eye Expression of Xenopus Acyltransferase Gnpat and Its Biochemical Characterization Shed Light on Lipid-Associated Ocular Pathologies. Investigative ophthalmology & visual science, 64(5), 17.

Hassan IU, et al. (2023) Genome-wide identification and spatiotemporal expression profiling of zinc finger SWIM domain-containing protein family genes. Zoological research, 44(3), 663.

Malik HR, et al. (2023) TRPM8 thermosensation in poikilotherms mediates both skin colour and locomotor performance responses to cold temperature. Communications biology, 6(1), 127.

Nguyen TA, et al. (2023) Deep transcriptome profiling reveals limited conservation of A-to-I RNA editing in Xenopus. BMC biology, 21(1), 251.

Vetrova AA, et al. (2023) The evolutionary history of Brachyury genes in Hydrozoa involves duplications, divergence, and neofunctionalization. Scientific reports, 13(1), 9382.

Jacques F, et al. (2023) Roadmap to the study of gene and protein phylogeny and evolution-A practical guide. PloS one, 18(2), e0279597.

Tang HS, et al. (2023) Biochemical evidence that the whole compartment activity behavior of GAPDH differs between the cytoplasm and nucleus. PloS one, 18(8), e0290892.

Cervino AS, et al. (2023) Xenopus Ssbp2 is required for embryonic pronephros morphogenesis and terminal differentiation. Scientific reports, 13(1), 16671.

Grand K, et al. (2023) HNF1B Alters an Evolutionarily Conserved Nephrogenic Program of Target Genes. Journal of the American Society of Nephrology: JASN, 34(3), 412.

Devotta A, et al. (2023) Npr3 regulates neural crest and cranial placode progenitors formation through its dual function as clearance and signaling receptor. eLife, 12.