## **Resource Summary Report**

Generated by <u>NIF</u> on May 16, 2025

# <u>Xenbase</u>

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:** service resource, atlas, data or information resource, database, image repository, storage service resource, data repository

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: NICHD R01 HD045776; NICHD P41 HD064556

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

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License URLs: https://www.xenbase.org/entry/static-xenbase/aboutMOD.jsp

Record Creation Time: 20220129T080218+0000

Record Last Update: 20250516T053703+0000

### **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: <u>SciCrunch Registry</u>

### **Usage and Citation Metrics**

We found 398 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>NIF</u>.

El Mir J, et al. (2025) Xenopus as a model system for studying pigmentation and pigmentary disorders. Pigment cell & melanoma research, 38(1), e13178.

Bertolesi GE, et al. (2025) Interplay of Light, Melatonin, and Circadian Genes in Skin Pigmentation Regulation. Pigment cell & melanoma research, 38(1), e13220.

Hendrickson CL, et al. (2025) Foxi2 and Sox3 are master regulators controlling ectoderm germ layer specification. bioRxiv : the preprint server for biology.

Satou-Kobayashi Y, et al. (2024) Zbtb11 interacts with Otx2 and patterns the anterior neuroectoderm in Xenopus. PloS one, 19(7), e0293852.

Burns D, et al. (2024) XPR1: a regulator of cellular phosphate homeostasis rather than a Pi exporter. Pflugers Archiv : European journal of physiology, 476(5), 861.

Sindelka R, et al. (2024) Characterization of regeneration initiating cells during Xenopus

laevis tail regeneration. Genome biology, 25(1), 251.

Naert T, et al. (2024) Pythia: Non-random DNA repair allows predictable CRISPR/Cas9 integration and gene editing. bioRxiv : the preprint server for biology.

Hack SJ, et al. (2024) Temporal Transcriptomic Profiling of the Developing Xenopus laevis Eye. bioRxiv : the preprint server for biology.

Popov IK, et al. (2024) The RhoGEF protein Plekhg5 self-associates via its PH domain to regulate apical cell constriction. Molecular biology of the cell, 35(10), ar134.

Grau-Bové X, et al. (2024) An amphioxus neurula stage cell atlas supports a complex scenario for the emergence of vertebrate head mesoderm. Nature communications, 15(1), 4550.

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.

Hunt JE, et al. (2024) Ocular Necessities: A Neuroethological Perspective on Vertebrate Visual Development. Brain, behavior and evolution, 99(2), 96.

Kostyanovskaya E, et al. (2024) Convergence of autism proteins at the cilium. bioRxiv : the preprint server for biology.

El Amri M, et al. (2024) Marcks and Marcks-like 1 proteins promote spinal cord development and regeneration in Xenopus. eLife, 13.

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.

Chang L, et al. (2024) Single cell RNA analysis uncovers the cell differentiation and functionalization for air breathing of frog lung. Communications biology, 7(1), 665.

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.

Leggere JC, et al. (2024) Label-free proteomic comparison reveals ciliary and nonciliary phenotypes of IFT-A mutants. Molecular biology of the cell, 35(3), ar39.

Bowden S, et al. (2024) Foxi1 regulates multiple steps of mucociliary development and ionocyte specification through transcriptional and epigenetic mechanisms. bioRxiv : the preprint server for biology.

Ceroni F, et al. (2024) Deletion upstream of MAB21L2 highlights the importance of evolutionarily conserved non-coding sequences for eye development. Nature communications, 15(1), 9245.