

Resource Summary Report

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Xenopus Gene Collection

RRID:SCR_007023

Type: Tool

Proper Citation

Xenopus Gene Collection (RRID:SCR_007023)

Resource Information

URL: <http://xgc.nci.nih.gov/>

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Description: NIH initiative to support production of cDNA libraries, clones and 5'/3' sequences and to provide set of full-length (open reading frame) sequences and cDNA clones of expressed genes for *Xenopus laevis* and *Xenopus tropicalis*. Clones distribution is outsourced to for profit companies. Project concluded in September 2008. Resources generated by XGC are publicly accessible to biomedical research community. All sequences are deposited into GenBank. Corresponding clones are available through IMAGE clone distribution network. With conclusion of XGC project, GenBank records of XGC sequences will be frozen, without further updates. Since knowledge of what constitutes full-length coding region for some of genes and transcripts for which we have XGC clones will likely change in future, users planning to order XGC clones will need to monitor for these changes. Users can make use of genome browsers and gene-specific databases, such as UCSC Genome browser, NCBI's Map Viewer, and Entrez Gene, to view relevant regions of genome (browsers) or gene-related information (Entrez Gene).

Abbreviations: XGC

Synonyms: Xenopus Gene Collection

Resource Type: biomaterial supply resource, material resource

Keywords: est sequencing, expressed gene, frog, gene, adult, cdna, genomic, open reading frame, sequencing, stage, tag, xenopus laevis, xenopus tropicalis, sequence, expressed sequence tag, cdna, vector, cdna library, clone, 5'/3' sequence, frozen

Funding: NIH Blueprint for Neuroscience Research ;
NIH

Availability: Free, Freely available

Resource Name: Xenopus Gene Collection

Resource ID: SCR_007023

Alternate IDs: nif-0000-00224

Alternate URLs: <https://genecollections.nci.nih.gov/XGC/>

Record Creation Time: 20220129T080239+0000

Record Last Update: 20260905T133238+0000

Ratings and Alerts

No rating or validation information has been found for Xenopus Gene Collection.

No alerts have been found for Xenopus Gene Collection.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Grant IM, et al. (2015) The Xenopus ORFeome: A resource that enables functional genomics. *Developmental biology*, 408(2), 345.

Amin NM, et al. (2014) RNA-seq in the tetraploid *Xenopus laevis* enables genome-wide insight in a classic developmental biology model organism. *Methods (San Diego, Calif.)*, 66(3), 398.

Carruthers S, et al. (2006) Genetic and genomic prospects for *Xenopus tropicalis* research. *Seminars in cell & developmental biology*, 17(1), 146.

Zhou X, et al. (2004) Proximo-distal specialization of epithelial transport processes within the *Xenopus* pronephric kidney tubules. *Developmental biology*, 271(2), 322.