

Resource Summary Report

Generated by [PRECISE-TBI](#) on Jul 29, 2026

Xtr.NigerianSt549

RRID:NXR_1018

Type: Organism

Proper Citation

RRID:NXR_1018

Organism Information

URL: <https://www.mbl.edu/research/resources-research-facilities/national-xenopus-resource/wild-type-frog-stocks>

Proper Citation: RRID:NXR_1018

Description: (Nigerian St.549).

Species: Xenopus tropicalis

Catalog Number: NXR_1018

Database: National Xenopus Resource (NXR)

Database Abbreviation: NXR

Availability: Available

Alternate IDs: NXR_1.0018

Organism Name: Xtr.NigerianSt549

Record Creation Time: 20230226T052915+0000

Record Last Update: 20260725T231735+0000

Ratings and Alerts

No rating or validation information has been found for Xtr.NigerianSt549.

No alerts have been found for Xtr.NigerianSt549.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: National Xenopus Resource (NXR)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Griffin C, et al. (2025) Deletion of sf3b4 causes splicing defects and gene dysregulation that disrupt craniofacial development and survival. *Disease models & mechanisms*, 18(3).

Bennett R, et al. (2025) An epigenetic clock for *Xenopus tropicalis*. *npj aging*, 11(1), 38.

Norris SCP, et al. (2025) Whole tissue imaging of cellular boundaries at sub-micron resolutions for deep learning cell segmentation: Applications in the analysis of epithelial bending of ectoderm. *Developmental dynamics : an official publication of the American Association of Anatomists*.

Patel JH, et al. (2024) Protocol for tail vein injection in *Xenopus tropicalis* tadpoles. *STAR protocols*, 5(1), 102895.

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*.

Lewis TR, et al. (2023) Photoreceptor disc incisures form as an adaptive mechanism ensuring the completion of disc enclosure. *eLife*, 12.

Cadart C, et al. (2023) Polyploidy in *Xenopus* lowers metabolic rate by decreasing total cell surface area. *Current biology : CB*, 33(9), 1744.

Miller KE, et al. (2023) Dodecaploid *Xenopus longipes* provides insight into the emergence of size scaling relationships during development. *Current biology : CB*, 33(7), 1327.

Lewis TR, et al. (2023) Photoreceptor disc incisures form as an adaptive mechanism ensuring the completion of disc enclosure. *bioRxiv : the preprint server for biology*.

Kitaoka M, et al. (2022) Molecular conflicts disrupting centromere maintenance contribute to *Xenopus* hybrid inviability. *Current biology : CB*, 32(18), 3939.

Gorbsky GJ, et al. (2022) Developing immortal cell lines from *Xenopus* embryos, four novel cell lines derived from *Xenopus tropicalis*. *Open biology*, 12(7), 220089.

Furman BLS, et al. (2020) A frog with three sex chromosomes that co-mingle together in nature: *Xenopus tropicalis* has a degenerate W and a Y that evolved from a Z chromosome. *PLoS genetics*, 16(11), e1009121.