

Resource Summary Report

Generated by [ASWG](#) on Sep 3, 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: 20260829T231203+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 16 mentions in open access literature.

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

Terni B, et al. (2026) Synapse specific alterations of autophagy are a hallmark of Danon disease. bioRxiv : the preprint server for biology.

Liu X, et al. (2026) Ploidy and neuron size impact nervous system development and function in Xenopus. Cell reports, 45(2), 116969.

Casas M, et al. (2026) Bilateral equalization of synaptic output in olfactory glomeruli of Xenopus tadpoles. eLife, 14.

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.

Pi??eros L, et al. (2025) The nuclear-cytoplasmic ratio controls the cell-cycle period in compartmentalized frog egg extract. Current biology : CB, 35(18), 4426.

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.