

Resource Summary Report

Generated by [kravitz2](#) on Aug 10, 2026

Xtr.Tg(WntREs:dEGFP)Vlemx

RRID:NXR_1094

Type: Organism

Proper Citation

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Organism Information

URL: <https://www.mbl.edu/research/resources-research-facilities/national-xenopus-resource/transgenic-tropicalis>

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Description: (pbin7LEF-GFP/Wnt Reporter) GFP expression reveals dynamic patterns of Wnt/beta-catenin signaling activity. The inserted transgene construct contains a synthetic Wnt-responsive promoter consisting of 7 copies of a TCF/LEF1 binding DNA element, a minimal TATA box and a reporter gene encoding destabilized eGFP and a polyA sequence. The transgene is flanked on both sides by two copies of the chicken HS4-core sequence. Xtr.Tg(WntREs:dEGFP)

Species: Xenopus tropicalis

Catalog Number: NXR_1094

Database: National Xenopus Resource (NXR)

Database Abbreviation: NXR

Availability: Available

Alternate IDs: NXR_1.0094

Organism Name: Xtr.Tg(WntREs:dEGFP)Vlemx

Record Creation Time: 20230226T052914+0000

Record Last Update: 20260808T234450+0000

Ratings and Alerts

No rating or validation information has been found for Xtr.Tg(WntREs:dEGFP)Vlemx.

No alerts have been found for Xtr.Tg(WntRES:dEGFP)Vlemx.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: National Xenopus Resource (NXR)

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

MacColl Garfinkel A, et al. (2023) Mitochondrial leak metabolism induces the Spemann-Mangold Organizer via Hif-1 β in Xenopus. Developmental cell, 58(22), 2597.

Hwang WY, et al. (2022) Kap- β 2/Transportin mediates β -catenin nuclear transport in Wnt signaling. eLife, 11.

Rankin SA, et al. (2022) The homeodomain transcription factor Ventx2 regulates respiratory progenitor cell number and differentiation timing during Xenopus lung development. Development, growth & differentiation, 64(7), 347.