Resource Summary Report

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Xiphophorus Genetic Stock Center

RRID:SCR_008340
Type: Tool

Proper Citation

Xiphophorus Genetic Stock Center (RRID:SCR_008340)

Resource Information

URL: http://www.xiphophorus.txstate.edu/

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Description: Supplier of xiphophorus (platyfish or swordtails) from pedigreed parental lines, representing variety of species. In addition to supplying strains and providing consultation on husbandry and genetic questions, the XGSC produces custom interspecies hybrids (both first generation F1, and backcross hybrid generation BC1) for a variety of projects.

Synonyms: XGSC

Resource Type: organism supplier, material resource, biomaterial supply resource

Keywords: RIN, Resource Information Network, est, fish, cryopreservation, microsatellite, swordtail

Funding: NCI P01 CA75137;
NIH Office of the Director R24 OD011120;
University of Texas MD Anderson Center

Resource Name: Xiphophorus Genetic Stock Center

Resource ID: SCR_008340

Alternate IDs: nif-0000-24971

Alternate URLs: https://orip.nih.gov/comparative-medicine/programs/vertebrate-models

License URLs: https://www.txst.edu/about/about-this-site

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Ratings and Alerts

No rating or validation information has been found for Xiphophorus Genetic Stock Center.

No alerts have been found for Xiphophorus Genetic Stock Center.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 109 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Soria E, et al. (2025) Segregation Between an Ornamental and a Disease Driver Gene Provides Insights Into Pigment Cell Regulation. Pigment cell & melanoma research, 38(1), e13196.

Shirley CA, et al. (2021) A generalized approach for sperm cryopreservation in the genus Pomoxis: Sperm cryopreservation and fertilization efficiency of black-stripe black crappie, Pomoxis nigromaculatus. Journal of the World Aquaculture Society, 52(2), 405.

Lu Y, et al. (2021) Fixation of allelic gene expression landscapes and expression bias pattern shape the transcriptome of the clonal Amazon molly. Genome research, 31(3), 372.

Lu Y, et al. (2020) Oncogenic allelic interaction in Xiphophorus highlights hybrid incompatibility. Proceedings of the National Academy of Sciences of the United States of America, 117(47), 29786.

Lu Y, et al. (2020) Global assessment of organ specific basal gene expression over a diurnal cycle with analyses of gene copies exhibiting cyclic expression patterns. BMC genomics, 21(1), 787.

Lu Y, et al. (2020) Intra-Strain Genetic Variation of Platyfish (Xiphophorus maculatus) Strains Determines Tumorigenic Trajectory. Frontiers in genetics, 11, 562594.

Tiersch CJ, et al. (2020) 3-D Printed Customizable Vitrification Devices for Preservation of Genetic Resources of Aquatic Species. Aquacultural engineering, 90.

Liu Y, et al. (2020) Microfabrication of low-cost customisable counting chambers for standardised estimation of sperm concentration. Reproduction, fertility, and development, 32(9), 873.

Boswell M, et al. (2020) Deconvoluting Wavelengths Leading to Fluorescent Light Induced Inflammation and Cellular Stress in Zebrafish (Danio rerio). Scientific reports, 10(1), 3321.

Yang H, et al. (2020) Temporal and Concentration Effects of Methanol on Cryopreservation of Zebrafish (Danio rerio) Sperm. Zebrafish, 17(4), 233.

Liu Y, et al. (2019) Development of germplasm repositories to assist conservation of endangered fishes: Examples from small-bodied livebearing fishes. Theriogenology, 135, 138.

Boswell M, et al. (2019) Fluorescent Light Incites a Conserved Immune and Inflammatory Genetic Response within Vertebrate Organs (Danio Rerio, Oryzias Latipes and Mus Musculus). Genes, 10(4).

Klotz B, et al. (2019) Expression Signatures of Cisplatin- and Trametinib-Treated Early-Stage Medaka Melanomas. G3 (Bethesda, Md.), 9(7), 2267.

Tiersch NJ, et al. (2019) Three-Dimensional Printing of Vitrification Loop Prototypes for Aquatic Species. Zebrafish, 16(3), 252.

Childress WM, et al. (2019) On-Site Capabilities of a Mobile Laboratory for Aquatic Germplasm Cryopreservation. North American journal of aquaculture, 81(4), 349.

Shamkhalichenar H, et al. (2019) Three-dimensional printing can provide customizable probes for sensing and monitoring in cryobiology applications. Cryobiology, 88, 64.

Lu Y, et al. (2019) Application of the Transcriptional Disease Signature (TDSs) to Screen Melanoma-Effective Compounds in a Small Fish Model. Scientific reports, 9(1), 530.

Klotz B, et al. (2018) Expression signatures of early-stage and advanced medaka melanomas. Comparative biochemistry and physiology. Toxicology & pharmacology : CBP, 208, 20.

Boswell M, et al. (2018) The transcriptional response of skin to fluorescent light exposure in viviparous (Xiphophorus) and oviparous (Danio, Oryzias) fishes. Comparative biochemistry and physiology. Toxicology & pharmacology : CBP, 208, 77.

Walter RB, et al. (2018) Waveband specific transcriptional control of select genetic pathways in vertebrate skin (Xiphophorus maculatus). BMC genomics, 19(1), 355.