Resource Summary Report

Generated by NIF on Sep 18, 2026

w[1118]; Fmr1[Delta50M]/TM6B, Tb[1]

RRID:BDSC_6930
Type: Organism

Proper Citation

RRID:BDSC_6930

Organism Information

URL: https://n2t.net/bdsc:6930

Proper Citation: RRID:BDSC_6930

Description: Drosophila melanogaster with name w[1118]; Fmr1[Delta50M]/TM6B, Tb[1] from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Kendal Broadie, Vanderbilt University

Affected Gene: Fmr1, Tb, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 6930

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_6930, BDSC:6930, BL6930

Organism Name: w[1118]; Fmr1[Delta50M]/TM6B, Tb[1]

Record Creation Time: 20240911T222204+0000

Record Last Update: 20260912T203128+0000

Ratings and Alerts

No rating or validation information has been found for w[1118]; Fmr1[Delta50M]/TM6B, Tb[1].

No alerts have been found for w[1118]; Fmr1[Delta50M]/TM6B, Tb[1].

Data and Source Information

Source: Integrated Animals

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Gurijala A, et al. (2025) Interaction between neuromuscular junction metabolic requirements in fragile X syndrome and glycogen storage disease models. Disease models & mechanisms, 18(8).

Vannelli A, et al. (2024) Activation of the 5-HT1A Receptor by Eltoprazine Restores Mitochondrial and Motor Deficits in a Drosophila Model of Fragile X Syndrome. International journal of molecular sciences, 25(16).

De Donno MD, et al. (2023) Expression of Transposable Elements in the Brain of the Drosophila melanogaster Model for Fragile X Syndrome. Genes, 14(5).

Leahy SN, et al. (2023) FMRP activity and control of Csw/SHP2 translation regulate MAPK-dependent synaptic transmission. PLoS biology, 21(1), e3001969.

Geng J, et al. (2023) Deregulation of ER-mitochondria contact formation and mitochondrial calcium homeostasis mediated by VDAC in fragile X syndrome. Developmental cell, 58(7), 597.

Golovin RM, et al. (2021) Neuron-Specific FMRP Roles in Experience-Dependent Remodeling of Olfactory Brain Innervation during an Early-Life Critical Period. The Journal of neuroscience : the official journal of the Society for Neuroscience, 41(6), 1218.

Kennedy T, et al. (2020) Genetic background mutations drive neural circuit hyperconnectivity in a fragile X syndrome model. BMC biology, 18(1), 94.

Kim N, et al. (2019) BMP-dependent synaptic development requires Abi-Abl-Rac signaling of BMP receptor macropinocytosis. Nature communications, 10(1), 684.

Russo A, et al. (2019) Wnd/DLK Is a Critical Target of FMRP Responsible for Neurodevelopmental and Behavior Defects in the Drosophila Model of Fragile X Syndrome. Cell reports, 28(10), 2581.

Kennedy T, et al. (2017) Fragile X Mental Retardation Protein Restricts Small Dye Iontophoresis Entry into Central Neurons. The Journal of neuroscience : the official journal

of the Society for Neuroscience, 37(41), 9844.