

Resource Summary Report

Generated by [NIF](#) on Aug 5, 2026

[P{w\[+mC\]=Pdf-GAL4.P2.4}X, y\[1\] w\[*\]](#)

RRID:BDSC_6899

Type: Organism

Proper Citation

RRID:BDSC_6899

Organism Information

URL: <https://n2t.net/bdsc:6899>

Proper Citation: RRID:BDSC_6899

Description: Drosophila melanogaster with name P{w[+mC]=Pdf-GAL4.P2.4}X, y[1] w[*] from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Jae Park, University of Tennessee, Knoxville

Affected Gene: GAL4, Pdf, w, y

Genomic Alteration: Chromosome 1

Catalog Number: 6899

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_6899, BL6899

Organism Name: P{w[+mC]=Pdf-GAL4.P2.4}X, y[1] w[*]

Record Creation Time: 20240911T222204+0000

Record Last Update: 20260801T194632+0000

Ratings and Alerts

No rating or validation information has been found for P{w[+mC]=Pdf-GAL4.P2.4}X, y[1] w[*].

No alerts have been found for P{w[+mC]=Pdf-GAL4.P2.4}X, y[1] w[*].

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 29 mentions in open access literature.

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

Miao H, et al. (2025) The foraging gene coordinates brain and heart networks to modulate socially cued interval timing in *Drosophila*. *PLoS genetics*, 21(7), e1011752.

Mou Y, et al. (2025) Intermittent Vibration Induces Sleep via an Allatostatin A-GABA Signaling Pathway and Provides Broad Benefits in Alzheimer's Disease Models. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(5), e2411768.

Yin J, et al. (2025) Glia-derived noncanonical fatty acid binding protein modulates brain lipid storage and clearance. *Science advances*, 11(31), eadv2902.

Yin J, et al. (2024) Glia-derived secretory fatty acid binding protein Obp44a regulates lipid storage and efflux in the developing *Drosophila* brain. *bioRxiv : the preprint server for biology*.

Long DM, et al. (2024) The amyloid precursor protein intracellular domain induces sleep disruptions and its nuclear localization fluctuates in circadian pacemaker neurons in *Drosophila* and mice. *Neurobiology of disease*, 192, 106429.

Song C, et al. (2023) Fragile X mental retardation protein coordinates neuron-to-glia communication for clearance of developmentally transient brain neurons. *Proceedings of the National Academy of Sciences of the United States of America*, 120(12), e2216887120.

Maruko A, et al. (2023) Dissecting the daily feeding pattern: Peripheral CLOCK/CYCLE generate the feeding/fasting episodes and neuronal molecular clocks synchronize them. *iScience*, 26(11), 108164.

Hernández K, et al. (2023) Dscam1 overexpression impairs the function of the gut nervous system in *Drosophila*. *Developmental dynamics : an official publication of the American Association of Anatomists*, 252(1), 156.

Kobayashi R, et al. (2023) A phosphorylation-deficient mutant of Sik3, a homolog of Sleepy, alters circadian sleep regulation by PDF neurons in *Drosophila*. *Frontiers in*

neuroscience, 17, 1181555.

Li M, et al. (2023) Phosphorylation Promotes the Accumulation of PERIOD Protein Foci. Research (Washington, D.C.), 6, 0139.

Zhou F, et al. (2023) Optimized design and in vivo application of optogenetically functionalized Drosophila dopamine receptors. Nature communications, 14(1), 8434.

Morioka E, et al. (2022) Mitochondrial LETM1 drives ionic and molecular clock rhythms in circadian pacemaker neurons. Cell reports, 39(6), 110787.

Meiselman MR, et al. (2022) Recovery from cold-induced reproductive dormancy is regulated by temperature-dependent AstC signaling. Current biology : CB, 32(6), 1362.

Andreani T, et al. (2022) Circadian programming of the ellipsoid body sleep homeostat in Drosophila. eLife, 11.

Law AD, et al. (2022) FTD-associated mutations in Tau result in a combination of dominant and recessive phenotypes. Neurobiology of disease, 170, 105770.

Yin J, et al. (2021) Brain-specific lipoprotein receptors interact with astrocyte derived apolipoprotein and mediate neuron-glia lipid shuttling. Nature communications, 12(1), 2408.

Rosenthal JS, et al. (2021) Temporal regulation of nicotinic acetylcholine receptor subunits supports central cholinergic synapse development in Drosophila. Proceedings of the National Academy of Sciences of the United States of America, 118(23).

Liu Y, et al. (2021) Rare NRXN1 missense variants identified in autism interfered protein degradation and Drosophila sleeping. Journal of psychiatric research, 143, 113.

Zhang L, et al. (2021) The Evolutionary Conserved Transmembrane BAX Inhibitor Motif (TMBIM) Containing Protein Family Members 5 and 6 Are Essential for the Development and Survival of Drosophila melanogaster. Frontiers in cell and developmental biology, 9, 666484.

Ravenscroft TA, et al. (2020) Drosophila Voltage-Gated Sodium Channels Are Only Expressed in Active Neurons and Are Localized to Distal Axonal Initial Segment-like Domains. The Journal of neuroscience : the official journal of the Society for Neuroscience, 40(42), 7999.