

Resource Summary Report

Generated by [dkNET](#) on Aug 11, 2026

[w\[1118\]; P{y\[+t7.7\] w\[+mC\]=GMR23E10-GAL4}attP2](#)

RRID:BDSC_49032

Type: Organism

Proper Citation

RRID:BDSC_49032

Organism Information

URL: <https://n2t.net/bdsc:49032>

Proper Citation: RRID:BDSC_49032

Description: Drosophila melanogaster with name w[1118]; P{y[+t7.7] w[+mC]=GMR23E10-GAL4}attP2 from BDSC.

Species: Drosophila melanogaster

Notes: See https://bdsc.indiana.edu/stocks/gal4/gal4_janelia_info.html for important information. Donor: Gerald M. Rubin, Howard Hughes Medical Institute, Janelia Research Campus

Affected Gene: AstA-R1, GAL4, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 49032

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_49032, BL49032

Organism Name: w[1118]; P{y[+t7.7] w[+mC]=GMR23E10-GAL4}attP2

Record Creation Time: 20240911T222739+0000

Record Last Update: 20260808T195014+0000

Ratings and Alerts

No rating or validation information has been found for w[1118]; P{y[+t7.7] w[+mC]=GMR23E10-GAL4}attP2.

No alerts have been found for w[1118]; P{y[+t7.7] w[+mC]=GMR23E10-GAL4}attP2.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 46 mentions in open access literature.

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

Mace K, et al. (2026) Cross-species evidence for a developmental origin of adult hypersomnia with loss of synaptic adhesion molecules beat-1a/CADM2. Nature communications, 17(1), 1628.

Wani AR, et al. (2026) Hormonal control of postmitotic neuronal identity. bioRxiv : the preprint server for biology.

Chouhan NS, et al. (2026) A paradoxical impact of alcohol on sleep-memory coupling. Current biology : CB, 36(15), 3921.

Zhang J, et al. (2026) Sleep rescues age-associated loss of glial engulfment. PLoS genetics, 22(1), e1011999.

Hsu CT, et al. (2025) Clock-dependent regulation of a homeostatic sleep center maintains daytime sleep and evening activity. Current biology : CB, 35(14), 3496.

Raccuglia D, et al. (2025) Network synchrony creates neural filters promoting quiescence in Drosophila. Nature, 646(8085), 667.

Kele?? MF, et al. (2025) FlyVISTA, an integrated machine learning platform for deep phenotyping of sleep in Drosophila. Science advances, 11(11), eadq8131.

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.

Sarnataro R, et al. (2025) Mitochondrial origins of the pressure to sleep. Nature, 645(8081), 722.

Wu M, et al. (2025) Protocol for multiplexed RNAscope-based imaging of mRNAs in whole-mount adult Drosophila brains. STAR protocols, 6(1), 103615.

Zheng F, et al. (2025) Role of d-serine in intestinal ROS accumulation after sleep deprivation. *Science advances*, 11(29), eadr8592.

Wani AR, et al. (2024) Stem cell-specific ecdysone signaling regulates the development of dorsal fan-shaped body neurons and sleep homeostasis. *Current biology : CB*, 34(21), 4951.

Haynes PR, et al. (2024) A neuron-glia lipid metabolic cycle couples daily sleep to mitochondrial homeostasis. *Nature neuroscience*, 27(4), 666.

Hubert A, et al. (2023) Enhanced neuroimaging with a calcium sensor in ex-vivo *Drosophila melanogaster* brains using closed-loop adaptive optics light-sheet fluorescence microscopy. *Journal of biomedical optics*, 28(6), 066501.

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.

Anthoney N, et al. (2023) Experimentally induced active and quiet sleep engage non-overlapping transcriptomes in *Drosophila*. *bioRxiv : the preprint server for biology*.

Wani AR, et al. (2023) Stem cell-specific ecdysone signaling regulates the development and function of a *Drosophila* sleep homeostat. *bioRxiv : the preprint server for biology*.

Duhart JM, et al. (2023) Modulation and neural correlates of postmating sleep plasticity in *Drosophila* females. *Current biology : CB*, 33(13), 2702.

Pandey P, et al. (2023) A familial natural short sleep mutation promotes healthy aging and extends lifespan in *Drosophila*. *Research square*.

Liu J, et al. (2023) Alleviation of thermal nociception depends on heat-sensitive neurons and a TRP channel in the brain. *Current biology : CB*, 33(12), 2397.