

Resource Summary Report

Generated by [RRID](#) on Jul 31, 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: 20260725T195521+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 41 mentions in open access literature.

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

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

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.

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.

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.

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

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

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.

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

Anthoney N, et al. (2023) Experimentally induced active and quiet sleep engage non-overlapping transcriptional programs in *Drosophila*. *eLife*, 12.

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

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*.

Gong NN, et al. (2022) Intrinsic maturation of sleep output neurons regulates sleep ontogeny in *Drosophila*. *Current biology : CB*, 32(18), 4025.

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

Wang J, et al. (2022) DBT affects sleep in both circadian and non-circadian neurons. *PLoS genetics*, 18(2), e1010035.

Cao H, et al. (2022) Autism-like behaviors regulated by the serotonin receptor 5-HT2B in the dorsal fan-shaped body neurons of *Drosophila melanogaster*. *European journal of medical research*, 27(1), 203.