Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 17, 2025

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: 20250331T212613+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 32 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

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

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.

Elya C, et al. (2023) Neural mechanisms of parasite-induced summiting behavior in 'zombie' Drosophila. eLife, 12.

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.

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.

De J, et al. (2023) Re-examining the role of the dorsal fan-shaped body in promoting sleep in Drosophila. Current biology : CB, 33(17), 3660.

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.

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

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.

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

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

Kato YS, et al. (2022) Interneurons of fan-shaped body promote arousal in Drosophila. PloS one, 17(11), e0277918.

Wan J, et al. (2021) A genetically encoded sensor for measuring serotonin dynamics. Nature neuroscience, 24(5), 746.

Jeong J, et al. (2021) Metabolic flux from the Krebs cycle to glutamate transmission tunes a neural brake on seizure onset. PLoS genetics, 17(10), e1009871.

Weiss JT, et al. (2021) Sleep deprivation results in diverse patterns of synaptic scaling across the Drosophila mushroom bodies. Current biology : CB, 31(15), 3248.

Li Q, et al. (2021) insomniac links the development and function of a sleep-regulatory circuit. eLife, 10.

Tainton-Heap LAL, et al. (2021) A Paradoxical Kind of Sleep in Drosophila melanogaster. Current biology : CB, 31(3), 578.