

Resource Summary Report

Generated by [NIF](#) on Sep 10, 2026

[w\[*\]; P{w\[+mC\]=Hug-GAL4.S3}3](#)

RRID:BDSC_58769

Type: Organism

Proper Citation

RRID:BDSC_58769

Organism Information

URL: <https://n2t.net/bdsc:58769>

Proper Citation: RRID:BDSC_58769

Description: Drosophila melanogaster with name w[*]; P{w[+mC]=Hug-GAL4.S3}3 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Michael Pankratz & Ingo Zinke, University of Bonn

Affected Gene: GAL4, Hug, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 58769

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_58769, BDSC:58769, BL58769

Organism Name: w[*]; P{w[+mC]=Hug-GAL4.S3}3

Record Creation Time: 20240911T222906+0000

Record Last Update: 20260905T140830+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; P{w[+mC]=Hug-GAL4.S3}3.

No alerts have been found for w[*]; P{w[+mC]=Hug-GAL4.S3}3.

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](#) .

Sadanandappa MK, et al. (2026) GAL4-based functional screen of neuropeptides in Drosophila reproduction. PloS one, 21(3), e0345918.

Coll-Tan?? M, et al. (2026) Conserved sleep disturbances in FOXP1 syndrome originate from developmental dysregulation of peptidergic signaling. The Journal of clinical investigation, 136(7).

Xia Y, et al. (2025) miR-124 acts During Drosophila Development to Determine the Phase of Adult Circadian Behavior. Journal of biological rhythms, 7487304251361579.

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.

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

Schwarz JE, et al. (2021) Hugin+ neurons provide a link between sleep homeostat and circadian clock neurons. Proceedings of the National Academy of Sciences of the United States of America, 118(47).

Oh Y, et al. (2021) Periphery signals generated by Piezo-mediated stomach stretch and Neuromedin-mediated glucose load regulate the Drosophila brain nutrient sensor. Neuron, 109(12), 1979.

Megha , et al. (2019) ER-Ca²⁺ sensor STIM regulates neuropeptides required for development under nutrient restriction in Drosophila. PloS one, 14(7), e0219719.

Ruf F, et al. (2017) WEclMon - A simple and robust camera-based system to monitor Drosophila eclosion under optogenetic manipulation and natural conditions. PloS one, 12(6), e0180238.

King AN, et al. (2017) A Peptidergic Circuit Links the Circadian Clock to Locomotor Activity. Current biology : CB, 27(13), 1915.