

Resource Summary Report

Generated by [NIF](#) on Aug 19, 2026

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

RRID:BDSC_58409

Type: Organism

Proper Citation

RRID:BDSC_58409

Organism Information

URL: <https://n2t.net/bdsc:58409>

Proper Citation: RRID:BDSC_58409

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

Species: Drosophila melanogaster

Notes: Donor: David Krantz, University of California, Los Angeles; Donor's Source: Julie Simpson, Howard Hughes Medical Institute, Janelia Research Campus

Affected Gene: GAL4, VGAT, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 58409

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_58409, BL58409

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

Record Creation Time: 20240911T222903+0000

Record Last Update: 20260815T192137+0000

Ratings and Alerts

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

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

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Chvilicek MM, et al. (2025) Alcohol induces long-lasting sleep deficits in Drosophila via subsets of cholinergic neurons. *Current biology : CB*, 35(5), 1033.

Chvilicek MM, et al. (2024) Large analysis of genetic manipulations reveals an inverse correlation between initial alcohol resistance and rapid tolerance phenotypes. *Genes, brain, and behavior*, 23(1), e12884.

Yip C, et al. (2024) Neuronal E93 is required for adaptation to adult metabolism and behavior. *Molecular metabolism*, 84, 101939.

Lewis SA, et al. (2024) eIF2?? phosphorylation evokes dystonia-like movements with D2-receptor and cholinergic origin and abnormal neuronal connectivity. *bioRxiv : the preprint server for biology*.

Chvilicek MM, et al. (2023) Large genetic analysis of alcohol resistance and tolerance reveals an inverse correlation and suggests 'true' tolerance mutants. *bioRxiv : the preprint server for biology*.

Kim JH, et al. (2020) The voltage-gated potassium channel Shaker promotes sleep via thermosensitive GABA transmission. *Communications biology*, 3(1), 174.