

Resource Summary Report

Generated by [Kravitz](#) on Sep 20, 2026

w[*]; P{w[+mC]=ple-GAL4.F}3

RRID:BDSC_8848

Type: Organism

Proper Citation

RRID:BDSC_8848

Organism Information

URL: <https://n2t.net/bdsc:8848>

Proper Citation: RRID:BDSC_8848

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

Species: Drosophila melanogaster

Notes: Donor: Serge Birman, Aix-Marseille University, Luminy

Affected Gene: GAL4, ple, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 8848

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_8848, BDSC:8848, BL8848

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

Record Creation Time: 20240911T222220+0000

Record Last Update: 20260919T202518+0000

Ratings and Alerts

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

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

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 124 mentions in open access literature.

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

Ahumada-Montalva P, et al. (2026) TMBIM6 enhances dopaminergic neuron survival by modulating the IRE1a pathway in Parkinson's disease. *Cell death & disease*, 17(1).

Matsuno M, et al. (2026) Aberrant dopaminergic activity during consolidation causes age-related memory generalization in Drosophila. *PLoS biology*, 24(4), e3003752.

Reyes M, et al. (2026) Octopamine regulates neural circuits in the mushroom body and central complex, influencing sleep and arousal. *iScience*, 29(5), 115564.

Li JL, et al. (2026) UQCRC1 deficiency impairs mitophagy via PINK1-dependent mechanisms in Parkinson's disease. *NPJ Parkinson's disease*, 12(1), 48.

Pimenov I, et al. (2026) Dopamine neuron specific RNA-sequencing reveals Neprilysin 1 acts downstream of the cohesin complex to suppress learning. *Communications biology*, 9(1).

Zhang J, et al. (2026) Brain neuronal CG9593/ANGPTL4 activation mediates paternally acquired motor disorders. *Science advances*, 12(12), eaea8321.

Wang Y, et al. (2026) A bidirectional brain-fat body axis for pathogen avoidance. *Neuron*.

Deal SL, et al. (2026) RNAi-based screen for pigmentation in *Drosophila melanogaster* reveals regulators of brain dopamine and sleep. *iScience*, 29(1), 114388.

Sato T, et al. (2026) Role of dopamine signaling in male courtship suppression induced by confinement stress in Drosophila. *iScience*, 29(6), 115906.

Villalobos-Cantor S, et al. (2025) Genetic basis of maneb-induced dopaminergic neurodegeneration in Drosophila. *G3 (Bethesda, Md.)*, 15(9).

Bervoets S, et al. (2025) dArc1 controls sugar reward valuation in *Drosophila melanogaster*. *Current biology : CB*, 35(17), 4188.

Mabry SJ, et al. (2025) *Fusobacterium nucleatum* determines the expression of amphetamine-induced behavioral responses through an epigenetic phenomenon. *bioRxiv* : the preprint server for biology.

Meimoun NS, et al. (2025) GABAergic neurons are a key cell type in a Drosophila model of PARK14/PLA2G6-associated neurodegeneration. *Frontiers in neuroscience*, 19, 1534243.

Gibson SB, et al. (2025) Hippo signaling regulates cuticle pigmentation and dopamine metabolism in Drosophila. *bioRxiv : the preprint server for biology*.

Cerdas B, et al. (2025) In Vitro Antioxidant Activity and In Vivo Neuroprotective Effect of *Parastrephia quadrangularis* in a Drosophila Parkinson's Disease Model. *Antioxidants (Basel, Switzerland)*, 14(10).

Huang S, et al. (2025) Enhanced memory despite severe sleep loss in Drosophila insomniac mutants. *PLoS biology*, 23(3), e3003076.

Ding G, et al. (2025) A tumor-secreted protein utilizes glucagon release to cause host wasting. *Cell discovery*, 11(1), 11.

Perry S, et al. (2025) Validating and Optimizing a Drosophila Larval Model of Parkinson's Synucleopathy. *microPublication biology*, 2025.

Buck SA, et al. (2025) dVGLUT Is a Mediator of Sex Differences in Dopamine Neuron Mitochondrial Function Across Aging and in a Parkinson's Disease Model. *Aging cell*, 24(8), e70096.

Saito K, et al. (2025) Ecdysteroid-DopEcR signaling in neuronal and midgut cells mediates toxin avoidance and detoxification in Drosophila. *Current biology : CB*, 35(14), 3418.