

Resource Summary Report

Generated by [NIF](#) on Sep 3, 2026

[y\[1\] w\[*\]; P{w\[+mC\]=UAS-FLP.D}JD1](#)

RRID:BDSC_4539

Type: Organism

Proper Citation

RRID:BDSC_4539

Organism Information

URL: <https://n2t.net/bdsc:4539>

Proper Citation: RRID:BDSC_4539

Description: Drosophila melanogaster with name y[1] w[*]; P{w[+mC]=UAS-FLP.D}JD1 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Joe Duffy, Indiana University, Bloomington

Affected Gene: FLP, UAS, w, y

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 4539

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_4539, BL4539

Organism Name: y[1] w[*]; P{w[+mC]=UAS-FLP.D}JD1

Record Creation Time: 20240911T222144+0000

Record Last Update: 20260829T185514+0000

Ratings and Alerts

No rating or validation information has been found for y[1] w[*]; P{w[+mC]=UAS-FLP.D}JD1.

No alerts have been found for y[1] w[*]; P{w[+mC]=UAS-FLP.D}JD1.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 95 mentions in open access literature.

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

Chouhan NS, et al. (2026) A paradoxical impact of alcohol on sleep-memory coupling. Current biology : CB, 36(15), 3921.

Tournière O, et al. (2026) X chromosome dosage in respiratory stem cells is critical for post-embryonic development and survival. Current biology : CB, 36(2), 387.

Guillermin C, et al. (2026) Spatiotemporal control of myoblast identity drives muscle diversity in the Drosophila leg. Science advances, 12(27), eaed0910.

Padmanabhan A, et al. (2026) Embryonic dopaminergic neuron activity sustains lifelong locomotion in Drosophila. Cell reports, 45(7), 117524.

Elabbady L, et al. (2026) A central somatotopic map of the fly leg supports spatially targeted grooming. Current biology : CB, 36(9), 2192.

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

Li Z, et al. (2025) Repulsive interactions instruct synaptic partner matching in an olfactory circuit. Research square.

Li L, et al. (2025) dFlpTag, a RMCE-based tool for simultaneous endogenous protein tagging and cell labeling in Drosophila. Scientific reports, 15(1), 45542.

Ma M, et al. (2025) Heterozygous variants in PLCG1 affect hearing, vision, cardiac, and immune function. eLife, 13.

Yu J, et al. (2025) Genetically-encoded markers for confocal visualization of single dense core vesicles. Communications biology, 8(1), 383.

Li Z, et al. (2025) Repulsive interactions instruct synaptic partner matching in an olfactory circuit. bioRxiv : the preprint server for biology.

Sun H, et al. (2024) Wnt/ β -catenin signaling within multiple cell types dependent upon kramer regulates *Drosophila* intestinal stem cell proliferation. *iScience*, 27(6), 110113.

Kwok SH, et al. (2024) Paraneoplastic renal dysfunction in fly cancer models driven by inflammatory activation of stem cells. *Proceedings of the National Academy of Sciences of the United States of America*, 121(42), e2405860121.

Nitta Y, et al. (2024) *Drosophila* model to clarify the pathological significance of OPA1 in autosomal dominant optic atrophy. *eLife*, 12.

Ma M, et al. (2024) De novo variants in PLCG1 are associated with hearing impairment, ocular pathology, and cardiac defects. *medRxiv : the preprint server for health sciences*.

Osaka J, et al. (2024) Complex formation of immunoglobulin superfamily molecules Side-IV and Beat-IIb regulates synaptic specificity. *Cell reports*, 43(2), 113798.

Hérault C, et al. (2024) Cellular sex throughout the organism underlies somatic sexual differentiation. *Nature communications*, 15(1), 6925.

Yamamoto-Hino M, et al. (2024) PIGB maintains nuclear lamina organization in skeletal muscle of *Drosophila*. *The Journal of cell biology*, 223(2).

Soltani S, et al. (2024) *Drosophila* Evi5 is a critical regulator of intracellular iron transport via transferrin and ferritin interactions. *Nature communications*, 15(1), 4045.

Parisi MJ, et al. (2023) A conditional strategy for cell-type-specific labeling of endogenous excitatory synapses in *Drosophila*. *Cell reports methods*, 3(5), 100477.