

Resource Summary Report

Generated by [NIF](#) on Sep 9, 2026

y[1] w[*]; P{Act5C-GAL4-w}E1/CyO

RRID:BDSC_25374

Type: Organism

Proper Citation

RRID:BDSC_25374

Organism Information

URL: <https://n2t.net/bdsc:25374>

Proper Citation: RRID:BDSC_25374

Description: Drosophila melanogaster with name y[1] w[*]; P{Act5C-GAL4-w}E1/CyO from BDSC.

Species: Drosophila melanogaster

Notes: Donor: John Sedat, University of California, San Francisco

Affected Gene: Act5C, GAL4, w, y

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 25374

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_25374, BDSC:25374, BL25374

Organism Name: y[1] w[*]; P{Act5C-GAL4-w}E1/CyO

Record Creation Time: 20240911T222426+0000

Record Last Update: 20260905T140150+0000

Ratings and Alerts

No rating or validation information has been found for y[1] w[*]; P{Act5C-GAL4-w}E1/CyO.

No alerts have been found for y[1] w[*]; P{Act5C-GAL4-w}E1/CyO.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 54 mentions in open access literature.

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

Bosveld F, et al. (2026) Tissue mechanics and systemic signaling safeguard epithelial tissue against spindle misorientation. *Developmental cell*, 61(4), 854.

Marconcini M, et al. (2026) Intersecting experimental evolution and CRISPR screens to identify novel toxin resistance loci. *bioRxiv : the preprint server for biology*.

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.

Mallik B, et al. (2026) An ArfGAP-dependent signaling modulates synaptic plasticity via IP3-regulated calcium release from the endoplasmic reticulum. *PLoS genetics*, 22(1), e1012031.

Kawadkar J, et al. (2026) Nup107 is a crucial regulator of torso-mediated metamorphic transition in *Drosophila melanogaster*. *eLife*, 14.

Ahern-Djamali S, et al. (2025) Innate immunity pathways activate cell proliferation after penetrating traumatic brain injury in adult *Drosophila*. *Fly*, 19(1), 2586357.

Even-Ros D, et al. (2025) *Drosophila* ovarian stem cell niche ageing involves coordinated changes in transcription and alternative splicing. *Nature communications*, 16(1), 2596.

Krabbenhof SD, et al. (2025) Novel modifiers of oncoprotein-mediated Polycomb inhibition in *Drosophila melanogaster*. *Genetics*.

Adams P, et al. (2025) Nucleosome stability safeguards cell identity, stress resilience and healthy aging. *Research square*.

Krabbenhof SD, et al. (2025) Investigating oncoprotein-mediated chromatin dysregulation in *Drosophila melanogaster* uncovers novel modifiers of the developmental impact of H3 K27M and EZHIP. *bioRxiv : the preprint server for biology*.

Neophytou C, et al. (2025) Aberrant enterocyte progenitor clustering as an early life biomarker of *Drosophila* aging. *iScience*, 28(3), 111967.

Thibeaux A, et al. (2025) Investigating the differential microRNAs expression in young and aged *Drosophila melanogaster* following Flock House Virus infection. *Virulence*, 16(1),

2549497.

Tanaka H, et al. (2025) Nucleosome stability safeguards cell identity, stress resilience and healthy aging. *bioRxiv : the preprint server for biology*.

Arora S, et al. (2025) Loss of the NF- κ B negative regulator Pirk in *Drosophila* links brain and gut immunity to neurodegeneration. *Brain communications*, 7(2), fcaf144.

Webster AL, et al. (2025) Priming for protection: inducible attachment-resistance to ectoparasitic mites in *Drosophila*. *Parasitology*, 152(9), 897.

Rousseau C, et al. (2025) In vivo Dicer-2 interactome during viral infection reveals novel pro and antiviral factors in *Drosophila melanogaster*. *PLoS pathogens*, 21(5), e1013093.

Merigliano C, et al. (2025) Off-pore Nup98 condensates mobilize heterochromatic breaks and exclude Rad51. *Molecular cell*, 85(12), 2355.

Dominik N, et al. (2025) Biallelic variants in ARHGAP19 cause a progressive inherited motor-predominant neuropathy. *The Journal of clinical investigation*, 135(23).

Gracheva E, et al. (2025) *Drosophila melanogaster* model of RVCL-S demonstrates age dependent disease progression. *bioRxiv : the preprint server for biology*.

Merrill CB, et al. (2024) Iterative assay for transposase-accessible chromatin by sequencing to isolate functionally relevant neuronal subtypes. *Science advances*, 10(13), eadi4393.