

Resource Summary Report

Generated by [NIF](#) on Sep 15, 2026

[y\[1\] w\[*\]; P{w\[+mC\]=r4-GAL4}3](#)

RRID:BDSC_33832

Type: Organism

Proper Citation

RRID:BDSC_33832

Organism Information

URL: <https://n2t.net/bdsc:33832>

Proper Citation: RRID:BDSC_33832

Description: Drosophila melanogaster with name y[1] w[*]; P{w[+mC]=r4-GAL4}3 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Jae Park, University of Tennessee, Knoxville

Affected Gene: GAL4, w, y

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 33832

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_33832, BDSC:33832, BL33832

Organism Name: y[1] w[*]; P{w[+mC]=r4-GAL4}3

Record Creation Time: 20240911T222546+0000

Record Last Update: 20260912T203630+0000

Ratings and Alerts

No rating or validation information has been found for y[1] w[*]; P{w[+mC]=r4-GAL4}3.

No alerts have been found for y[1] w[*]; P{w[+mC]=r4-GAL4}3.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 68 mentions in open access literature.

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

Liu C, et al. (2026) Tumour-driven lipid accumulation in oenocytes reflects systemic lipid alterations. PLoS genetics, 22(5), e1012150.

Grmai L, et al. (2026) Sexually dimorphic ATF4 expression in the fat confers female stress tolerance in Drosophila melanogaster. Genetics, 233(2).

Keith SA, et al. (2026) Strong GAL4 expression compromises Drosophila fat body function. Genetics, 232(1).

Hemba-Waduge RU, et al. (2026) Adipocyte heterogeneity regulated by the Bithorax Complex-Wnt signaling crosstalk in Drosophila. EMBO reports, 27(2), 367.

Stinchfield MJ, et al. (2026) Both isoforms of Drosophila ApoLpp (ApoB) cross the blood-brain barrier in adults. Genetics, 232(1).

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.

Teles-Reis J, et al. (2025) EyaHOST, a modular genetic system for investigation of intercellular and tumor-host interactions in Drosophila melanogaster. Cell reports methods, 5(11), 101220.

Fischer Z, et al. (2025) The Drosophila pseudokinase Tribbles translocates to the fat body membrane in response to fasting to modulate insulin sensitivity. Development (Cambridge, England), 152(8).

Keith SA, et al. (2025) Strong GAL4 expression compromises Drosophila fat body function. bioRxiv : the preprint server for biology.

Suzawa M, et al. (2025) The insulin-like peptides Dilp2 and Dilp6 exhibit divergent responses to dietary sugar and protein in Drosophila larvae. Proceedings of the National Academy of Sciences of the United States of America, 122(42), e2426930122.

Kim IJ, et al. (2025) Imaginal discs produce neuropeptide-like precursor 1 to alleviate ER stress in response to warm temperatures. Communications biology, 9(1), 58.

Couto-Lima CA, et al. (2025) Impairment of Muscle Function Causes Pupal Lethality in Flies Expressing the Mitochondrial Alternative Oxidase. *Biomolecules*, 15(4).

Fasteen TD, et al. (2025) The *Drosophila* estrogen-related receptor promotes triglyceride storage within the larval fat body. *Journal of lipid research*, 66(6), 100815.

Hirata M, et al. (2025) Anti-Tumor Effects of Cecropin A and Drosocin Incorporated into Macrophage-like Cells Against Hematopoietic Tumors in *Drosophila mxc* Mutants. *Cells*, 14(6).

Zielińska A, et al. (2025) *Drosophila* as a Model for Studying the Roles of Lamins in Normal Tissues and Laminopathies. *Cells*, 14(17).

Liu M, et al. (2024) BubR1 controls starvation-induced lipolysis via IMD signaling pathway in *Drosophila*. *Aging*, 16(4), 3257.

Vang S, et al. (2024) O-GlcNAc transferase regulates collagen deposition and fibrosis resolution in idiopathic pulmonary fibrosis. *Frontiers in immunology*, 15, 1387197.

Kinoshita J, et al. (2024) Macrophage-like Blood Cells Are Involved in Inter-Tissue Communication to Activate JAK/STAT Signaling, Inducing Antitumor Tumor Proteins in *Drosophila* Fat Body via the TNF-JNK Pathway. *International journal of molecular sciences*, 25(23).

Turingan MJ, et al. (2024) Hypoxia delays steroid-induced developmental maturation in *Drosophila* by suppressing EGF signaling. *PLoS genetics*, 20(4), e1011232.

Rai M, et al. (2024) Glycolytic Disruption Triggers Interorgan Signaling to Nonautonomously Restrict *Drosophila* Larval Growth. *bioRxiv : the preprint server for biology*.