

Resource Summary Report

Generated by [NIF](#) on Aug 21, 2026

[y\[1\] w\[*\]; P{w\[+mC\]=yolk-GAL4}2](#)

RRID:BDSC_58814

Type: Organism

Proper Citation

RRID:BDSC_58814

Organism Information

URL: <https://n2t.net/bdsc:58814>

Proper Citation: RRID:BDSC_58814

Description: Drosophila melanogaster with name y[1] w[*]; P{w[+mC]=yolk-GAL4}2 from BDSC.

Species: Drosophila melanogaster

Notes: May be segregating a Cy-marked balancer. Donor: Beth Stronach, University of Pittsburgh School of Medicine; Donor's Source: Neal Silverman, University of Massachusetts Medical School

Affected Gene: GAL4, Yp1, w, y

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 58814

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_58814, BL58814

Organism Name: y[1] w[*]; P{w[+mC]=yolk-GAL4}2

Record Creation Time: 20240911T222907+0000

Record Last Update: 20260815T192142+0000

Ratings and Alerts

No rating or validation information has been found for y[1] w[*]; P{w[+mC]=yolk-GAL4}2.

No alerts have been found for y[1] w[*]; P{w[+mC]=yolk-GAL4}2.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

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

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

Astacio E, et al. (2025) The regulation of triglyceride storage by Acsx4 and Acsx5 in Drosophila fat tissue. microPublication biology, 2025.

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

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

Sánchez JA, et al. (2023) FOXO-mediated repression of Dicer1 regulates metabolism, stress resistance, and longevity in Drosophila. Proceedings of the National Academy of Sciences of the United States of America, 120(15), e2216539120.

Yuan Y, et al. (2022) Human Alpha 1 Antitrypsin Suppresses NF- κ B Activity and Extends Lifespan in Adult Drosophila. Biomolecules, 12(10).

Caravello G, et al. (2022) Phagocytosis Is the Sole Arm of Drosophila melanogaster Known Host Defenses That Provides Some Protection Against Microsporidia Infection. Frontiers in immunology, 13, 858360.

Shabar H, et al. (2022) The regulation of lipid and carbohydrate storage by the splicing factor gene snRNP-U1-70K in the Drosophila fat body. microPublication biology, 2022.

Meiselman MR, et al. (2022) Recovery from cold-induced reproductive dormancy is regulated by temperature-dependent AstC signaling. Current biology : CB, 32(6), 1362.

Morales TS, et al. (2021) The Role of Spermidine Synthase (SpdS) and Spermine Synthase (Sms) in Regulating Triglyceride Storage in Drosophila. Medical sciences

(Basel, Switzerland), 9(2).

Akhmetova K, et al. (2021) *Drosophila* STING protein has a role in lipid metabolism. *eLife*, 10.

Bhogal JK, et al. (2020) The role of the heterogeneous nuclear ribonucleoprotein (hnRNP) Hrb27C in regulating lipid storage in the *Drosophila* fat body. *Biochemical and biophysical research communications*, 524(1), 178.

Ertekin D, et al. (2020) Down-regulation of a cytokine secreted from peripheral fat bodies improves visual attention while reducing sleep in *Drosophila*. *PLoS biology*, 18(8), e3000548.

Wang L, et al. (2019) Intestinal NF- κ B and STAT signalling is important for uptake and clearance in a *Drosophila*-*Herpetomonas* interaction model. *PLoS genetics*, 15(3), e1007931.

Bennick RA, et al. (2019) The SR proteins SF2 and RBP1 regulate triglyceride storage in the fat body of *Drosophila*. *Biochemical and biophysical research communications*, 516(3), 928.

Harsh S, et al. (2019) Intestinal lipid droplets as novel mediators of host-pathogen interaction in *Drosophila*. *Biology open*, 8(7).

Martin M, et al. (2018) Analysis of *Drosophila* STING Reveals an Evolutionarily Conserved Antimicrobial Function. *Cell reports*, 23(12), 3537.

Fedina TY, et al. (2017) Tissue-specific insulin signaling mediates female sexual attractiveness. *PLoS genetics*, 13(8), e1006935.