

Resource Summary Report

Generated by [RRID](#) on Aug 5, 2026

[y\[1\] w\[*\]; P{matalpha4-GAL-VP16}67; P{matalpha4-GAL-VP16}15](#)

RRID:BDSC_80361

Type: Organism

Proper Citation

RRID:BDSC_80361

Organism Information

URL: <https://n2t.net/bdsc:80361>

Proper Citation: RRID:BDSC_80361

Description: Drosophila melanogaster with name y[1] w[*]; P{matalpha4-GAL-VP16}67; P{matalpha4-GAL-VP16}15 from BDSC.

Species: Drosophila melanogaster

Notes: This stock is Wolbachia-free per M. Phelps 10/21/2022. Donor: Transgenic RNAi Project; Donor's Source: Daniel St. Johnston, University of Cambridge

Affected Gene: alphaTub67C, GAL4, w, y

Genomic Alteration: Chromosome 1, Chromosome 2, Chromosome 3

Catalog Number: 80361

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_80361, BL80361

Organism Name: y[1] w[*]; P{matalpha4-GAL-VP16}67; P{matalpha4-GAL-VP16}15

Record Creation Time: 20240911T223231+0000

Record Last Update: 20260801T200052+0000

Ratings and Alerts

No rating or validation information has been found for y[1] w[*]; P{matalpha4-GAL-VP16}67; P{matalpha4-GAL-VP16}15.

No alerts have been found for y[1] w[*]; P{matalpha4-GAL-VP16}67; P{matalpha4-GAL-VP16}15.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 18 mentions in open access literature.

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

Martins CS, et al. (2025) Genetically encoded reporters of actin filament organization in living cells and tissues. *Cell*, 188(9), 2540.

Ho EK, et al. (2025) In vivo measurements of receptor tyrosine kinase activity reveal feedback regulation of a developmental gradient. *bioRxiv : the preprint server for biology*.

George A, et al. (2025) Chemotaxis of Drosophila border cells is modulated by tissue geometry through dispersion of chemoattractants. *iScience*, 28(3), 111959.

Ho EK, et al. (2025) A live-cell biosensor of in vivo receptor tyrosine kinase activity reveals feedback regulation of a developmental gradient. *Cell reports*, 44(7), 115930.

Wang X, et al. (2024) E-cadherin tunes tissue mechanical behavior before and during morphogenetic tissue flows. *Current biology : CB*, 34(15), 3367.

Atinbayeva N, et al. (2024) Inheritance of H3K9 methylation regulates genome architecture in Drosophila early embryos. *The EMBO journal*, 43(13), 2685.

Yang L, et al. (2024) ERK synchronizes embryonic cleavages in Drosophila. *Developmental cell*, 59(23), 3061.

Goldner AN, et al. (2023) Evidence that tissue recoil in the early Drosophila embryo is a passive not active process. *Molecular biology of the cell*, 34(10), br16.

Ho EK, et al. (2023) Dynamics of an incoherent feedforward loop drive ERK-dependent pattern formation in the early Drosophila embryo. *bioRxiv : the preprint server for biology*.

Schmidt A, et al. (2023) Polychaetoid/ZO-1 strengthens cell junctions under tension while localizing differently than core adherens junction proteins. *bioRxiv : the preprint server for biology*.

Peifer M, et al. (2023) Polychaetoid/ZO-1 strengthens cell junctions under tension while localizing differently than core adherens junction proteins. *Molecular biology of the cell*, 34(8), ar81.

Logan G, et al. (2022) A Diaphanous and Enabled-dependent asymmetric actin cable array repositions nuclei during *Drosophila* oogenesis. *Development (Cambridge, England)*, 149(13).

Ariyapala IS, et al. (2022) The RNA-binding protein Swm is critical for *Drosophila* melanogaster intestinal progenitor cell maintenance. *Genetics*, 222(2).

Palacios V, et al. (2021) Importin-9 regulates chromosome segregation and packaging in *Drosophila* germ cells. *Journal of cell science*, 134(7).

Lin B, et al. (2020) Collectively stabilizing and orienting posterior migratory forces disperses cell clusters in vivo. *Nature communications*, 11(1), 4477.

Cao WX, et al. (2020) Precise Temporal Regulation of Post-transcriptional Repressors Is Required for an Orderly *Drosophila* Maternal-to-Zygotic Transition. *Cell reports*, 31(12), 107783.

Garcia De Las Bayonas A, et al. (2019) Distinct RhoGEFs Activate Apical and Junctional Contractility under Control of G Proteins during Epithelial Morphogenesis. *Current biology : CB*, 29(20), 3370.

Manning LA, et al. (2019) The *Drosophila* Afadin and ZO-1 homologues Canoe and Polychaetoid act in parallel to maintain epithelial integrity when challenged by adherens junction remodeling. *Molecular biology of the cell*, 30(16), 1938.