

Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

y[1] M{RFP[3xP3.PB] GFP[E.3xP3]=vas-int.Dm}ZH-2A w[*]; M{3xP3-RFP.attP}ZH-51D

RRID:BDSC_24483

Type: Organism

Proper Citation

RRID:BDSC_24483

Organism Information

URL: <https://n2t.net/bdsc:24483>

Proper Citation: RRID:BDSC_24483

Description: Drosophila melanogaster with name y[1] M{RFP[3xP3.PB] GFP[E.3xP3]=vas-int.Dm}ZH-2A w[*]; M{3xP3-RFP.attP}ZH-51D from BDSC.

Species: Drosophila melanogaster

Notes: Pink eye color is from RFP expression. Donor: Konrad Basler & Johannes Bischof, University of Zurich

Affected Gene: 3xP3, Disc\RFP, phiC31:int, vas, w, y

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 24483

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_24483, BL24483

Organism Name: y[1] M{RFP[3xP3.PB] GFP[E.3xP3]=vas-int.Dm}ZH-2A w[*]; M{3xP3-RFP.attP}ZH-51D

Record Creation Time: 20240911T222418+0000

Record Last Update: 20260808T194609+0000

Ratings and Alerts

No rating or validation information has been found for y[1] M{RFP[3xP3.PB] GFP[E.3xP3]=vas-int.Dm}ZH-2A w[*]; M{3xP3-RFP.attP}ZH-51D.

No alerts have been found for y[1] M{RFP[3xP3.PB] GFP[E.3xP3]=vas-int.Dm}ZH-2A w[*]; M{3xP3-RFP.attP}ZH-51D.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Gu T, et al. (2026) Heterochromatin-based silencing of a foreign tandem repeat in *Drosophila melanogaster* shows unusual biochemistry and temperature sensitivity. *Genetics*, 232(3).

Martín-Carrascosa MDC, et al. (2025) A phylogenetic analysis of the CDKL protein family unravels its evolutionary history and supports the *Drosophila* model of CDKL5 deficiency disorder. *Frontiers in cell and developmental biology*, 13, 1582684.

Zhu Y, et al. (2025) Loss of dihydroceramide desaturase drives neurodegeneration by disrupting endoplasmic reticulum and lipid droplet homeostasis in glial cells. *eLife*, 13.

Zhu Y, et al. (2024) Dihydroceramide desaturase governs endoplasmic reticulum and lipid droplet homeostasis to promote glial function in the nervous system. *bioRxiv : the preprint server for biology*.

Baloul S, et al. (2024) Changes in searching behaviour of CSL transcription complexes in Notch active conditions. *Life science alliance*, 7(3).

Niu X, et al. (2023) γ -Tubulin acetylation at lysine 40 regulates dendritic arborization and larval locomotion by promoting microtubule stability in *Drosophila*. *PloS one*, 18(2), e0280573.

Belyaeva V, et al. (2022) Fos regulates macrophage infiltration against surrounding tissue resistance by a cortical actin-based mechanism in *Drosophila*. *PLoS biology*, 20(1), e3001494.

Schellinger JN, et al. (2022) Chloride oscillation in pacemaker neurons regulates circadian rhythms through a chloride-sensing WNK kinase signaling cascade. *Current biology : CB*, 32(6), 1429.

Mohr S, et al. (2021) Opposing roles for Egalitarian and Staufen in transport, anchoring and localization of oskar mRNA in the *Drosophila* oocyte. *PLoS genetics*, 17(4), e1009500.

Kenny A, et al. (2021) Different roles for the adjoining and structurally similar A-rich and poly(A) domains of oskar mRNA: Only the A-rich domain is required for oskar noncoding RNA function, which includes MTOC positioning. *Developmental biology*, 476, 117.

Walther M, et al. (2020) Heterochromatin formation in *Drosophila* requires genome-wide histone deacetylation in cleavage chromatin before mid-blastula transition in early embryogenesis. *Chromosoma*, 129(1), 83.

Falo-Sanjuan J, et al. (2019) Enhancer Priming Enables Fast and Sustained Transcriptional Responses to Notch Signaling. *Developmental cell*, 50(4), 411.

Hill AS, et al. (2019) The *Drosophila* ERG channel seizure plays a role in the neuronal homeostatic stress response. *PLoS genetics*, 15(8), e1008288.

Gyoergy A, et al. (2018) Tools Allowing Independent Visualization and Genetic Manipulation of *Drosophila melanogaster* Macrophages and Surrounding Tissues. *G3* (Bethesda, Md.), 8(3), 845.

Maharjan M, et al. (2018) Using a phiC31 "Disintegrator" to make new attP sites in the *Drosophila* genome at locations showing chromosomal position effects. *PloS one*, 13(10), e0205538.

Yalçın B, et al. (2017) Modeling of axonal endoplasmic reticulum network by spastic paraplegia proteins. *eLife*, 6.