

Resource Summary Report

Generated by [RRID](#) on Aug 3, 2026

[w\[*\]; P{w\[+mC\]=UAS-GFP-LAMP}2; P{w\[+m*\]=nSyb-GAL4.S}3/T\(2;3\)TSTL, CyO: TM6B, Tb\[1\]](#)

RRID:BDSC_42714

Type: Organism

Proper Citation

RRID:BDSC_42714

Organism Information

URL: <https://n2t.net/bdsc:42714>

Proper Citation: RRID:BDSC_42714

Description: Drosophila melanogaster with name w[*]; P{w[+mC]=UAS-GFP-LAMP}2; P{w[+m*]=nSyb-GAL4.S}3/T(2;3)TSTL, CyO: TM6B, Tb[1] from BDSC.

Species: Drosophila melanogaster

Notes: Balancer is a guess. Donor: Hugo J. Bellen, Baylor College of Medicine

Affected Gene: GAL4, nSyb, Hsap\LAMP1, UAS, Tb, w

Genomic Alteration: Chromosome 1, Chromosome 2, Chromosome 3

Catalog Number: 42714

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_42714, BL42714

Organism Name: w[*]; P{w[+mC]=UAS-GFP-LAMP}2; P{w[+m*]=nSyb-GAL4.S}3/T(2;3)TSTL, CyO: TM6B, Tb[1]

Record Creation Time: 20240911T222706+0000

Record Last Update: 20260801T195320+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; P{w[+mC]=UAS-GFP-LAMP}2; P{w[+m*]=nSyb-GAL4.S}3/T(2;3)TSTL, CyO: TM6B, Tb[1].

No alerts have been found for w[*]; P{w[+mC]=UAS-GFP-LAMP}2; P{w[+m*]=nSyb-GAL4.S}3/T(2;3)TSTL, CyO: TM6B, Tb[1].

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 38 mentions in open access literature.

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

Luo J, et al. (2026) APP Induces AICD-Mediated Autophagy-Dependent Axon Degeneration. *Aging cell*, 25(1), e70301.

Katz MJ, et al. (2025) Autophagy controls differentiation of Drosophila blood cells by regulating Notch levels in response to nutrient availability. *Nature communications*, 16(1), 5858.

Acharjee S, et al. (2025) Polar cell membrane nanotubes containing microtubules and acidic vesicles render Drosophila eggs fertile. *PLoS biology*, 23(12), e3003533.

Cheng G, et al. (2025) The inter-organelle cross-talk finely orchestrated in the amyloidogenic processing of amyloid precursor protein in dendritic arborization neurons of Drosophila. *Theranostics*, 15(7), 2951.

Thakur RS, et al. (2025) PDZD8 promotes autophagy at ER-lysosome membrane contact sites to regulate activity-dependent synaptic growth. *Cell reports*, 44(4), 115483.

Li S, et al. (2025) Impaired mitochondria-initiated crosstalk with lysosomes reciprocally aggravates mitochondrial defect through LManVI. *Nature communications*, 16(1), 7304.

Zhang Y, et al. (2025) Restoring calcium crosstalk between ER and mitochondria promotes intestinal stem cell rejuvenation through autophagy in aged Drosophila. *Nature communications*, 16(1), 4909.

Davis GH, et al. (2024) Impairment of the Glial Phagolysosomal System Drives Prion-Like Propagation in a Drosophila Model of Huntington's Disease. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 44(20).

Muñoz-Oreja M, et al. (2024) Elevated cholesterol in ATAD3 mutants is a compensatory mechanism that leads to membrane cholesterol aggregation. *Brain : a journal of neurology*, 147(5), 1899.

Davis GH, et al. (2024) Impairment of the glial phagolysosomal system drives prion-like propagation in a *Drosophila* model of Huntington's disease. *bioRxiv : the preprint server for biology*.

Nicolson S, et al. (2024) The *Drosophila* ZNRF1/2 homologue, *detour*, interacts with HOPS complex and regulates autophagy. *Communications biology*, 7(1), 183.

Rimal S, et al. (2023) Reverse electron transfer is activated during aging and contributes to aging and age-related disease. *EMBO reports*, 24(4), e55548.

Zhou L, et al. (2023) Convergence of secretory, endosomal, and autophagic routes in trans-Golgi-associated lysosomes. *The Journal of cell biology*, 222(1).

Liu H, et al. (2023) PtdIns4P exchange at endoplasmic reticulum-autolysosome contacts is essential for autophagy and neuronal homeostasis. *Autophagy*, 19(10), 2682.

Xu C, et al. (2023) A phosphate-sensing organelle regulates phosphate and tissue homeostasis. *Nature*, 617(7962), 798.

Thakur RS, et al. (2023) PDZD8 promotes autophagy at ER-Lysosome contact sites to regulate synaptogenesis. *bioRxiv : the preprint server for biology*.

Li J, et al. (2023) Peroxisomal ERK mediates Akh/glucagon action and glycemic control. *Cell reports*, 42(10), 113200.

Rong Y, et al. (2022) STING controls energy stress-induced autophagy and energy metabolism via STX17. *The Journal of cell biology*, 221(7).

Lambert E, et al. (2022) The Alzheimer susceptibility gene BIN1 induces isoform-dependent neurotoxicity through early endosome defects. *Acta neuropathologica communications*, 10(1), 4.

Simões S, et al. (2022) Crumbs complex-directed apical membrane dynamics in epithelial cell ingression. *The Journal of cell biology*, 221(7).