

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 1, 2026

[y\[1\] w\[1118\]; P{w\[+mC\]=UASp-mCherry-Atg8a}2;
Dr\[1\]/TM3, Ser\[1\]](#)

RRID:BDSC_37750

Type: Organism

Proper Citation

RRID:BDSC_37750

Organism Information

URL: <https://n2t.net/bdsc:37750>

Proper Citation: RRID:BDSC_37750

Description: Drosophila melanogaster with name y[1] w[1118]; P{w[+mC]=UASp-mCherry-Atg8a}2; Dr[1]/TM3, Ser[1] from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Ioannis Nezis, Rikshospitalet-Radiumhospitalet HF

Affected Gene: Dr, Atg8a, UAS, Ser, w, y

Genomic Alteration: Chromosome 1, Chromosome 2, Chromosome 3

Catalog Number: 37750

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_37750, BL37750

Organism Name: y[1] w[1118]; P{w[+mC]=UASp-mCherry-Atg8a}2; Dr[1]/TM3, Ser[1]

Record Creation Time: 20240911T222625+0000

Record Last Update: 20260829T190127+0000

Ratings and Alerts

No rating or validation information has been found for y[1] w[1118]; P{w[+mC]=UASp-mCherry-Atg8a}2; Dr[1]/TM3, Ser[1].

No alerts have been found for y[1] w[1118]; P{w[+mC]=UASp-mCherry-Atg8a}2; Dr[1]/TM3, Ser[1].

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 47 mentions in open access literature.

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

Vincze V, et al. (2026) Selective autophagy fine-tunes Stat92E activity by degrading Su(var)2-10/PIAS in Drosophila glia. Life science alliance, 9(3).

Zhou Y, et al. (2025) Rag GTPases control lysosomal acidification by regulating v-ATPase assembly in Drosophila. The Journal of biological chemistry, 301(7), 110400.

Zhao Y, et al. (2025) Piezo, Nephrocyte Function, and Slit Diaphragm Maintenance in Drosophila. Journal of the American Society of Nephrology : JASN, 36(3), 393.

Kamiyama T, et al. (2025) Parasitoid wasp venoms degrade Drosophila imaginal discs for successful parasitism. Science advances, 11(5), eadq8771.

Zhu JY, et al. (2025) HIV-1 Nef synergizes with APOL1-G1 to induce nephrocyte cell death in HIV-related kidney diseases. Disease models & mechanisms, 18(7).

Almeida Machado Costa C, et al. (2025) Single-cell transcriptomics reveals stepwise transformation of epithelial cells into Non-Professional Phagocytes. PLoS genetics, 21(12), e1011953.

Wang L, et al. (2025) New Atg9 Phosphorylation Sites Regulate Autophagic Trafficking in Glia. ASN neuro, 17(1), 2443442.

Wu SC, et al. (2025) Dysfunctional BCAA degradation triggers neuronal damage through disrupted AMPK-mitochondrial axis due to enhanced PP2Ac interaction. Communications biology, 8(1), 105.

Zhang J, et al. (2025) Nutrient status alters developmental fates via a switch in mitochondrial homeodynamics. Nature communications, 16(1), 1258.

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.

Mou W, et al. (2024) Upregulation of neuronal ER-phagy improves organismal fitness and alleviates APP toxicity. *Cell reports*, 43(5), 114255.

Martinez A, et al. (2024) Mitochondrial Cisd1/Cisd accumulation blocks mitophagy and genetic or pharmacological inhibition rescues neurodegenerative phenotypes in Pink1/parkin models. *Molecular neurodegeneration*, 19(1), 12.

Singh A, et al. (2024) SARS-CoV2 Nsp3 protein triggers cell death and exacerbates amyloid β -mediated neurodegeneration. *Neural regeneration research*, 19(6), 1385.

Tan JYK, et al. (2024) Interplay between autophagy and CncC regulates dendrite pruning in *Drosophila*. *Proceedings of the National Academy of Sciences of the United States of America*, 121(10), e2310740121.

Haynes PR, et al. (2024) A neuron-glia lipid metabolic cycle couples daily sleep to mitochondrial homeostasis. *Nature neuroscience*, 27(4), 666.

Yi S, et al. (2024) The autophagy protein Atg9 functions in glia and contributes to parkinsonian symptoms in a *Drosophila* model of Parkinson's disease. *Neural regeneration research*, 19(5), 1150.

Chang YC, et al. (2024) Identification of secretory autophagy as a mechanism modulating activity-induced synaptic remodeling. *Proceedings of the National Academy of Sciences of the United States of America*, 121(16), e2315958121.

Jones TB, et al. (2024) Mild traumatic brain injury in *Drosophila melanogaster* alters reactive oxygen and nitrogen species in a sex-dependent manner. *Experimental neurology*, 372, 114621.