

# Resource Summary Report

Generated by [dkNET](#) on Sep 11, 2026

[P{w\[+m\\*\]=Appl-GAL4.G1a}1, y\[1\] w\[\\*\]](#)

RRID:BDSC\_32040

Type: Organism

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## Proper Citation

RRID:BDSC\_32040

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## Organism Information

**URL:** <https://n2t.net/bdsc:32040>

**Proper Citation:** RRID:BDSC\_32040

**Description:** Drosophila melanogaster with name P{w[+m\*]=Appl-GAL4.G1a}1, y[1] w[\*] from BDSC.

**Species:** Drosophila melanogaster

**Notes:** Donor: Lawrence Goldstein, University of California, San Diego

**Affected Gene:** Appl, GAL4, w, y

**Genomic Alteration:** Chromosome 1

**Catalog Number:** 32040

**Database:** Bloomington Drosophila Stock Center (BDSC)

**Database Abbreviation:** BDSC

**Availability:** available

**Alternate IDs:** BDSC\_32040, BDSC:32040, BL32040

**Organism Name:** P{w[+m\*]=Appl-GAL4.G1a}1, y[1] w[\*]

**Record Creation Time:** 20240911T222529+0000

**Record Last Update:** 20260905T140324+0000

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## Ratings and Alerts

No rating or validation information has been found for P{w[+m\*]=Appl-GAL4.G1a}1, y[1] w[\*].

No alerts have been found for P{w[+m\*]=Appl-GAL4.G1a}1, y[1] w[\*].

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** Bloomington Drosophila Stock Center (BDSC)

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## Usage and Citation Metrics

We found 22 mentions in open access literature.

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

Burján T, et al. (2025) Comparative Analysis of Two Autophagy-Enhancing Small Molecules (AUTEN-67 and -99) in a Drosophila Model of Spinocerebellar Ataxia Type 1. International journal of molecular sciences, 26(21).

Chakraborty P, et al. (2025) Genetic evidence for a functional association between Parkinson's disease proteins leucine-rich repeat kinase 2 and  $\alpha$ -synuclein during axonal transport. Frontiers in molecular neuroscience, 18, 1667839.

Szenci G, et al. (2025) Huntington's disease-associated ankyrin repeat palmitoyl transferases are rate-limiting factors in lysosome formation and fusion. PLoS genetics, 21(12), e1011607.

Krzystek TJ, et al. (2025) Opposing roles for GSK3 $\beta$  and ERK1-dependent phosphorylation of huntingtin during neuronal dysfunction and cell death in Huntington's disease. Cell death & disease, 16(1), 328.

Bisarad P, et al. (2025) Recessive genomic and phenotypic variation in consanguineous families with cerebral palsy. medRxiv : the preprint server for health sciences.

Nath DK, et al. (2025) Exploring the multifaceted functions of APPL in metabolism and memory using Drosophila melanogaster. Molecules and cells, 48(1), 100163.

Manuel N, et al. (2025) Genotype-Specific Electroretinogram Signatures in Drosophila: Implications for Neurodegeneration Models Using w 1118 Backgrounds. bioRxiv : the preprint server for biology.

Jeong DJ, et al. (2024) The Mst1/2-BNIP3 axis is required for mitophagy induction and neuronal viability under mitochondrial stress. Experimental & molecular medicine, 56(3), 674.

Liao JZ, et al. (2024) Cdk8/CDK19 promotes mitochondrial fission through Drp1 phosphorylation and can phenotypically suppress pink1 deficiency in Drosophila. Nature communications, 15(1), 3326.

Lewis SA, et al. (2024) eIF2 $\gamma$  phosphorylation evokes dystonia-like movements with D2-receptor and cholinergic origin and abnormal neuronal connectivity. *bioRxiv : the preprint server for biology*.

Mattedi F, et al. (2023) Optogenetic cleavage of the Miro GTPase reveals the direct consequences of real-time loss of function in *Drosophila*. *PLoS biology*, 21(8), e3002273.

Kovács T, et al. (2022) A conserved MTMR lipid phosphatase increasingly suppresses autophagy in brain neurons during aging. *Scientific reports*, 12(1), 21817.

Cao Y, et al. (2021) Increased expression of fragmented tRNA promoted neuronal necrosis. *Cell death & disease*, 12(9), 823.

Pooryasin A, et al. (2021) Unc13A and Unc13B contribute to the decoding of distinct sensory information in *Drosophila*. *Nature communications*, 12(1), 1932.

Schroeder S, et al. (2021) Dietary spermidine improves cognitive function. *Cell reports*, 35(2), 108985.

Krzystek TJ, et al. (2021) Differential mitochondrial roles for  $\alpha$ -synuclein in DRP1-dependent fission and PINK1/Parkin-mediated oxidation. *Cell death & disease*, 12(9), 796.

Banerjee R, et al. (2021) A stop or go switch: glycogen synthase kinase 3 $\beta$  phosphorylation of the kinesin 1 motor domain at Ser314 halts motility without detaching from microtubules. *Development (Cambridge, England)*, 148(24).

Moskalev A, et al. (2019) The Neuronal Overexpression of Gclc in *Drosophila melanogaster* Induces Life Extension With Longevity-Associated Transcriptomic Changes in the Thorax. *Frontiers in genetics*, 10, 149.

Mórotz GM, et al. (2019) Kinesin light chain-1 serine-460 phosphorylation is altered in Alzheimer's disease and regulates axonal transport and processing of the amyloid precursor protein. *Acta neuropathologica communications*, 7(1), 200.

Vagnoni A, et al. (2018) A cAMP/PKA/Kinesin-1 Axis Promotes the Axonal Transport of Mitochondria in Aging *Drosophila* Neurons. *Current biology : CB*, 28(8), 1265.