

Resource Summary Report

Generated by [dkNET](#) on Sep 10, 2026

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

RRID:BDSC_32040

Type: Organism

Proper Citation

RRID:BDSC_32040

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

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[*].

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

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 α -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.

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

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

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 γ 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 α -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 β 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.