

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 9, 2026

P{w[+mW.hs]=GawB}elav[C155]; P{w[+mC]=UAS-Dcr-2.D}2

RRID:BDSC_25750

Type: Organism

Proper Citation

RRID:BDSC_25750

Organism Information

URL: <https://n2t.net/bdsc:25750>

Proper Citation: RRID:BDSC_25750

Description: Drosophila melanogaster with name P{w[+mW.hs]=GawB}elav[C155]; P{w[+mC]=UAS-Dcr-2.D}2 from BDSC.

Species: Drosophila melanogaster

Notes: Expresses Dicer-2 in the nervous system. Donor: Transgenic RNAi Project

Affected Gene: elav, GAL4, Dcr-2, UAS, w

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 25750

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_25750, BL25750

Organism Name: P{w[+mW.hs]=GawB}elav[C155]; P{w[+mC]=UAS-Dcr-2.D}2

Record Creation Time: 20240911T222429+0000

Record Last Update: 20260808T194622+0000

Ratings and Alerts

No rating or validation information has been found for $P\{w[+mW.hs]=GawB\}elav[C155]; P\{w[+mC]=UAS-Dcr-2.D\}^2$.

No alerts have been found for $P\{w[+mW.hs]=GawB\}elav[C155]; P\{w[+mC]=UAS-Dcr-2.D\}^2$.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 56 mentions in open access literature.

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

Majlish ANK, et al. (2026) Nckx30c, a Drosophila K⁺-dependent Na⁺/Ca²⁺ exchanger, regulates temperature-sensitive convulsions and age-related neurodegeneration. bioRxiv : the preprint server for biology.

Majlish ANK, et al. (2026) Nckx30c, a Drosophila K⁺-dependent Na⁺/Ca²⁺ exchanger, regulates temperature-sensitive convulsions and age-related neurodegeneration. Journal of neurogenetics, 40(1-2), 1.

Townsley RE, et al. (2026) NLGN3 autism variants have distinct functional impact on synapses and sleep behavior in Drosophila. bioRxiv : the preprint server for biology.

Qin W, et al. (2026) Hugin-AstA circuitry is a novel central energy sensor that directly regulates sweet sensation in Drosophila and mouse. eLife, 14.

Reyes M, et al. (2026) Octopamine regulates neural circuits in the mushroom body and central complex, influencing sleep and arousal. iScience, 29(5), 115564.

Sun Y, et al. (2025) Genetic screening reveals cone cell-specific factors as common genetic targets modulating rival-induced prolonged mating in male Drosophila melanogaster. G3 (Bethesda, Md.), 15(1).

Gualtieri C, et al. (2025) Dysregulation of Protein Kinase CaMKI Leads to Autism-Related Phenotypes in Synaptic Connectivity, Sleep, Sociality, and Aging-Dependent Degeneration in Drosophila. Biology, 14(9).

Yue T, et al. (2025) High-fat diet impairs intermediate-term memory by autophagic-lysosomal dysfunction in Drosophila. PLoS genetics, 21(8), e1011818.

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

Nhuchhen Pradhan R, et al. (2025) Cholesterol taste avoidance in *Drosophila melanogaster*. *eLife*, 14.

Zhang T, et al. (2025) SIFamide-dependent synaptic plasticity in male-specific GABAergic neurons underlies experience-modulated mating behaviors. *iScience*, 28(10), 113516.

Marini-Davis A, et al. (2025) Juvenile hormone regulates the maturation of sexually dimorphic naive ethanol olfactory preference in *Drosophila melanogaster*. *Royal Society open science*, 12(8), 242217.

Martínez-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.

Zhang T, et al. (2025) Metaxin-2 tunes mitochondrial transportation and neuronal function in *Drosophila*. *Genetics*, 229(2).

Pradhan RN, et al. (2025) Ionotropic receptors mediate arachidic acid perception and food avoidance behavior in *Drosophila melanogaster*. *Molecules and cells*, 48(12), 100290.

Zhang T, et al. (2025) Neuropeptide-mediated synaptic plasticity regulates context-dependent mating behaviors in *Drosophila*. *PLoS biology*, 23(9), e3003330.

Miao H, et al. (2025) The foraging gene coordinates brain and heart networks to modulate socially cued interval timing in *Drosophila*. *PLoS genetics*, 21(7), e1011752.

Villalobos-Cantor S, et al. (2025) Genetic basis of maneb-induced dopaminergic neurodegeneration in *Drosophila*. *G3 (Bethesda, Md.)*, 15(9).

Wang G, et al. (2025) Sexual failure decreases sweet taste perception in male *Drosophila* via dopaminergic signaling. *eLife*, 14.

Pandey P, et al. (2024) Avoiding alkaline taste through ionotropic receptors. *iScience*, 27(6), 110087.