

Resource Summary Report

Generated by SPARC SAWG on Sep 6, 2026

w[1118]; P{w[+mC]=mex1-GAL4.2.1}10-8

RRID:BDSC_91368

Type: Organism

Proper Citation

RRID:BDSC_91368

Organism Information

URL: <https://n2t.net/bdsc:91368>

Proper Citation: RRID:BDSC_91368

Description: Drosophila melanogaster with name w[1118]; P{w[+mC]=mex1-GAL4.2.1}10-8 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Carl Thummel, University of Utah

Affected Gene: GAL4, mex1, w

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 91368

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_91368, BDSC:91368, BL91368

Organism Name: w[1118]; P{w[+mC]=mex1-GAL4.2.1}10-8

Record Creation Time: 20240911T223418+0000

Record Last Update: 20260905T141539+0000

Ratings and Alerts

No rating or validation information has been found for w[1118]; P{w[+mC]=mex1-GAL4.2.1}10-8.

No alerts have been found for w[1118]; P{w[+mC]=mex1-GAL4.2.1}10-8.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 21 mentions in open access literature.

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

Voskoboynikov R, et al. (2026) glorund functions in the Drosophila intestine to regulate triglyceride storage and the expression of lipid transport protein genes. microPublication biology, 2026.

Tournière O, et al. (2026) X chromosome dosage in respiratory stem cells is critical for post-embryonic development and survival. Current biology : CB, 36(2), 387.

Girard V, et al. (2026) ShineGAL4 drivers for tissue and cell-type specific optogenetics in Drosophila. Development (Cambridge, England), 153(4).

Tibi MF, et al. (2026) Modulation of host proteostasis by Prevotella corporis via induction of the heat shock response. Cell stress & chaperones, 31(2), 100150.

Lefranc C, et al. (2026) Transient remodeling of gut metabolism supports juvenile growth and adult fitness in Drosophila. Nature communications, 17(1).

Hurcomb JD, et al. (2025) Oral administration of aripiprazole to Drosophila causes intestinal toxicity. Disease models & mechanisms, 18(3).

Li X, et al. (2025) Diacylglycerol metabolism drives host-pathogen responses during enteric infection in Drosophila. bioRxiv : the preprint server for biology.

Lee JW, et al. (2025) Microbiome-emitted scents activate olfactory neuron-independent airway-gut-brain axis to promote host growth in Drosophila. Nature communications, 16(1), 2199.

Mackay DJ, et al. (2025) Pvf1-Pvr-mediated crosstalk between trachea and gut guides intestinal stem cell migration to promote gut regeneration. Nature communications, 16(1), 8597.

Medina AB, et al. (2025) Neuroendocrine control of intestinal regeneration through the vascular niche in Drosophila. Developmental cell.

Burgmer S, et al. (2025) Endosymbiont control through non-canonical immune signaling and gut metabolic remodeling. *Cell reports*, 44(6), 115811.

Hérault C, et al. (2024) Cellular sex throughout the organism underlies somatic sexual differentiation. *Nature communications*, 15(1), 6925.

Christensen CF, et al. (2024) *Drosophila* activins adapt gut size to food intake and promote regenerative growth. *Nature communications*, 15(1), 273.

Guo X, et al. (2024) Cell-fate conversion of intestinal cells in adult *Drosophila* midgut by depleting a single transcription factor. *Nature communications*, 15(1), 2656.

Vonolfen MC, et al. (2024) *Drosophila* HNF4 acts in distinct tissues to direct a switch between lipid storage and export in the gut. *Cell reports*, 43(9), 114693.

Turingan MJ, et al. (2024) Hypoxia delays steroid-induced developmental maturation in *Drosophila* by suppressing EGF signaling. *PLoS genetics*, 20(4), e1011232.

Singh A, et al. (2024) A nutrient responsive lipase mediates gut-brain communication to regulate insulin secretion in *Drosophila*. *Nature communications*, 15(1), 4410.

Socha C, et al. (2023) Fast *drosophila* enterocyte regrowth after infection involves a reverse metabolic flux driven by an amino acid transporter. *iScience*, 26(9), 107490.

Popovic R, et al. (2023) Blocking dPerk in the intestine suppresses neurodegeneration in a *Drosophila* model of Parkinson's disease. *Cell death & disease*, 14(3), 206.

Zhao Y, et al. (2023) Fat- and sugar-induced signals regulate sweet and fat taste perception in *Drosophila*. *Cell reports*, 42(11), 113387.