

Resource Summary Report

Generated by [kravitz2](#) on Jul 29, 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, BL91368

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

Record Creation Time: 20240911T223418+0000

Record Last Update: 20260725T200322+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 16 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

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.

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*.

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

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.

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

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.

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

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

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

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.

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.

Zhao Y, et al. (2022) Hedgehog-mediated gut-taste neuron axis controls sweet perception in *Drosophila*. *Nature communications*, 13(1), 7810.