

Resource Summary Report

Generated by [ASWG](#) on Aug 3, 2026

[y\[1\] w\[1118\]; P{w\[+mC\]=UAS-InR.A1325D}2](#)

RRID:BDSC_8263

Type: Organism

Proper Citation

RRID:BDSC_8263

Organism Information

URL: <https://n2t.net/bdsc:8263>

Proper Citation: RRID:BDSC_8263

Description: Drosophila melanogaster with name y[1] w[1118]; P{w[+mC]=UAS-InR.A1325D}2 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Exelixis, Inc.

Affected Gene: InR, UAS, w, y

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 8263

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_8263, BL8263

Organism Name: y[1] w[1118]; P{w[+mC]=UAS-InR.A1325D}2

Record Creation Time: 20240911T222215+0000

Record Last Update: 20260801T194647+0000

Ratings and Alerts

No rating or validation information has been found for y[1] w[1118]; P{w[+mC]=UAS-InR.A1325D}2.

No alerts have been found for y[1] w[1118]; P{w[+mC]=UAS-InR.A1325D}2.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 25 mentions in open access literature.

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

Sridharan S, et al. (2026) ILP4 and InR regulate paclitaxel-induced hypersensitivity differently in Drosophila larvae. Molecular biology of the cell, 37(1), ar11.

Tripathi BK, et al. (2025) Dachous-Fat Signaling Shapes the Drosophila Wing through Mechanical Forces. bioRxiv : the preprint server for biology.

Huang YT, et al. (2025) Activation of a Src-JNK pathway in unscheduled endocycling cells of the Drosophila wing disc induces a chronic wounding response. bioRxiv : the preprint server for biology.

Liu Y, et al. (2025) Hepatic gluconeogenesis and PDK3 upregulation drive cancer cachexia in flies and mice. Nature metabolism, 7(4), 823.

Takada Y, et al. (2025) Gut microbiota-mediated lipid accumulation as a driver of evolutionary adaptation to blue light toxicity in Drosophila. Communications biology, 8(1), 998.

Dong Q, et al. (2025) The blood-brain barrier regulates brain tumor growth through the SLC36 amino acid transporter Pathetic in Drosophila. PLoS biology, 23(11), e3003496.

El Marzkioui K, et al. (2025) A switch to non-proliferative growth sustains Drosophila wing development during the early pupal stage. Current biology : CB, 35(16), 4043.

Kumar N, et al. (2024) Balancing competing effects of tissue growth and cytoskeletal regulation during Drosophila wing disc development. Nature communications, 15(1), 2477.

Morón-Oset J, et al. (2023) Repeat length of C9orf72-associated glycine-alanine polypeptides affects their toxicity. Acta neuropathologica communications, 11(1), 140.

Krejčová G, et al. (2023) Macrophage-derived insulin antagonist ImpL2 induces lipoprotein mobilization upon bacterial infection. The EMBO journal, 42(23), e114086.

Greenspan LJ, et al. (2022) Activation of the EGFR/MAPK pathway drives transdifferentiation of quiescent niche cells to stem cells in the *Drosophila* testis niche. *eLife*, 11.

Brooks D, et al. (2022) Independent pathways control muscle tissue size and sarcomere remodeling. *Developmental biology*, 490, 1.

He J, et al. (2022) Olfactory Senses Modulate Food Consumption and Physiology in *Drosophila melanogaster*. *Frontiers in behavioral neuroscience*, 16, 788633.

Ohhara Y, et al. (2022) Su(var)2-10- and Su(var)205-dependent upregulation of the heterochromatic gene *neverland* is required for developmental transition in *Drosophila*. *Genetics*, 222(3).

Dabbara H, et al. (2021) *Drosophila* insulin receptor regulates diabetes-induced mechanical nociceptive hypersensitivity. *microPublication biology*, 2021.

Atilano ML, et al. (2021) Enhanced insulin signalling ameliorates C9orf72 hexanucleotide repeat expansion toxicity in *Drosophila*. *eLife*, 10.

Bakopoulos D, et al. (2020) Insulin-Like Signalling Influences the Coordination of Larval Hemocyte Number with Body Size in *Drosophila melanogaster*. *G3 (Bethesda, Md.)*, 10(7), 2213.

Hwang SH, et al. (2020) Von Hippel-Lindau tumor suppressor (VHL) stimulates TOR signaling by interacting with phosphoinositide 3-kinase (PI3K). *The Journal of biological chemistry*, 295(8), 2336.

Rojas Villa SE, et al. (2019) *zfh2* controls progenitor cell activation and differentiation in the adult *Drosophila* intestinal absorptive lineage. *PLoS genetics*, 15(12), e1008553.

Singh T, et al. (2018) Opposing Action of Hedgehog and Insulin Signaling Balances Proliferation and Autophagy to Determine Follicle Stem Cell Lifespan. *Developmental cell*, 46(6), 720.