

Resource Summary Report

Generated by [dkNET](#) on Sep 5, 2026

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

RRID:BDSC_8262

Type: Organism

Proper Citation

RRID:BDSC_8262

Organism Information

URL: <https://n2t.net/bdsc:8262>

Proper Citation: RRID:BDSC_8262

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

Species: Drosophila melanogaster

Notes: Donor: Exelixis, Inc.

Affected Gene: InR, UAS, w, y

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 8262

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_8262, BDSC:8262, BL8262

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

Record Creation Time: 20240911T222215+0000

Record Last Update: 20260905T135844+0000

Ratings and Alerts

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

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

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 [dkNET](#) .

Neophytou C, et al. (2025) Aberrant enterocyte progenitor clustering as an early life biomarker of Drosophila aging. *iScience*, 28(3), 111967.

Suzawa M, et al. (2025) The insulin-like peptides Dilp2 and Dilp6 exhibit divergent responses to dietary sugar and protein in Drosophila larvae. *Proceedings of the National Academy of Sciences of the United States of America*, 122(42), e2426930122.

Khaket TP, et al. (2024) Ribosome stalling during c-myc translation presents actionable cancer cell vulnerability. *PNAS nexus*, 3(8), pgae321.

Zhang L, et al. (2022) Nutrients and pheromones promote insulin release to inhibit courtship drive. *Science advances*, 8(10), eabl6121.

Li Z, et al. (2022) A salivary gland-secreted peptide regulates insect systemic growth. *Cell reports*, 38(8), 110397.

Tandon S, et al. (2021) The S6k/4E-BP mediated growth promoting sub-pathway of insulin signalling cascade is essential to restrict pathogenesis of poly(Q) disorders in Drosophila. *Life sciences*, 275, 119358.

Dong Q, et al. (2021) Glial Hedgehog signalling and lipid metabolism regulate neural stem cell proliferation in Drosophila. *EMBO reports*, 22(5), e52130.

Sanaki Y, et al. (2020) Hyperinsulinemia Drives Epithelial Tumorigenesis by Abrogating Cell Competition. *Developmental cell*, 53(4), 379.

Slankster E, et al. (2020) Mechanism underlying starvation-dependent modulation of olfactory behavior in Drosophila larva. *Scientific reports*, 10(1), 3119.

Ho CH, et al. (2020) Specific Isoforms of the Guanine-Nucleotide Exchange Factor dPix Couple Neuromuscular Synapse Growth to Muscle Growth. *Developmental cell*, 54(1), 117.

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.

Chen YR, et al. (2019) Aging-induced Akt activation involves in aging-related pathologies and A β -induced toxicity. Aging cell, 18(4), e12989.

Wang ZH, et al. (2019) Electron transport chain biogenesis activated by a JNK-insulin-Myc relay primes mitochondrial inheritance in Drosophila. eLife, 8.

Augustin H, et al. (2018) Impact of insulin signaling and proteasomal activity on physiological output of a neuronal circuit in aging Drosophila melanogaster. Neurobiology of aging, 66, 149.

Augustin H, et al. (2017) Reduced insulin signaling maintains electrical transmission in a neural circuit in aging flies. PLoS biology, 15(9), e2001655.

Green DA, et al. (2014) Insulin signalling underlies both plasticity and divergence of a reproductive trait in Drosophila. Proceedings. Biological sciences, 281(1779), 20132673.