

Resource Summary Report

Generated by [Kravitz](#) on Sep 14, 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: 20260912T203143+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 [Kravitz](#) .

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.