Resource Summary Report

Generated by Kravitz on Sep 11, 2026

y[1] w[1118]; P{w[+mC]=UAS-InR.del}2

RRID:BDSC_8248
Type: Organism

Proper Citation

RRID:BDSC_8248

Organism Information

URL: https://n2t.net/bdsc:8248

Proper Citation: RRID:BDSC_8248

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

Species: Drosophila melanogaster

Notes: Donor: Exelixis, Inc.

Affected Gene: InR, UAS, w, y

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 8248

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_8248, BDSC:8248, BL8248

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

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

Data and Source Information

Source: Integrated Animals

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 15 mentions in open access literature.

Listed below are recent publications. The full list is available at Kravitz .

Hopkins T, et al. (2025) Elevated ambient temperature reduces fat storage through the FoxO-mediated insulin signaling pathway. PloS one, 20(2), e0317971.

Nelson N, et al. (2025) Neuron-to-glia signaling drives critical period experience-dependent synapse pruning. Scientific reports, 15(1), 25744.

Xiao G, et al. (2025) Intratumor HIF-1?? modulates production of a cachectic ligand to cause host wasting. Cell insight, 4(3), 100247.

Nakamizo-Dojo M, et al. (2023) Descending GABAergic pathway links brain sugar-sensing to peripheral nociceptive gating in Drosophila. Nature communications, 14(1), 6515.

Li Y, et al. (2023) Bioorthogonal Stimulated Raman Scattering Imaging Uncovers Lipid Metabolic Dynamics in Drosophila Brain During Aging. GEN biotechnology, 2(3), 247.

Chakraborty A, et al. (2023) Conserved chamber-specific polyploidy maintains heart function in Drosophila. Development (Cambridge, England), 150(16).

Li J, et al. (2023) Peroxisomal ERK mediates Akh/glucagon action and glycemic control. Cell reports, 42(10), 113200.

Li Y, et al. (2022) DO-SRS imaging of diet regulated metabolic activities in Drosophila during aging processes. Aging cell, 21(4), e13586.

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

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.

Vita DJ, et al. (2021) Neuronal fragile X mental retardation protein activates glial insulin receptor mediated PDF-Tri neuron developmental clearance. Nature communications,

12(1), 1160.

Ding G, et al. (2021) Coordination of tumor growth and host wasting by tumor-derived Upd3. Cell reports, 36(7), 109553.

Eschment M, et al. (2020) Insulin signaling represents a gating mechanism between different memory phases in Drosophila larvae. PLoS genetics, 16(10), e1009064.

Megha , et al. (2019) ER-Ca2+ sensor STIM regulates neuropeptides required for development under nutrient restriction in Drosophila. PloS one, 14(7), e0219719.

Mattila J, et al. (2018) Stem Cell Intrinsic Hexosamine Metabolism Regulates Intestinal Adaptation to Nutrient Content. Developmental cell, 47(1), 112.