

Resource Summary Report

Generated by [kravitz2](#) on Jul 28, 2026

[w\[*\] upd2\[Delta\]](#)

RRID:BDSC_55727

Type: Organism

Proper Citation

RRID:BDSC_55727

Organism Information

URL: <https://n2t.net/bdsc:55727>

Proper Citation: RRID:BDSC_55727

Description: Drosophila melanogaster with name w[*] upd2[Delta] from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Bruno Lemaitre, Ecole Polytechnique Federale de Lausanne

Affected Gene: upd2, w

Genomic Alteration: Chromosome 1

Catalog Number: 55727

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_55727, BL55727

Organism Name: w[*] upd2[Delta]

Record Creation Time: 20240911T222837+0000

Record Last Update: 20260725T195631+0000

Ratings and Alerts

No rating or validation information has been found for w[*] upd2[Delta].

No alerts have been found for w[*] upd2[Delta].

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Winkler B, et al. (2025) Macrophage invasion into the Drosophila brain requires JAK/STAT-dependent MMP activation in the blood-brain barrier. PLoS biology, 23(2), e3003035.

Geng L, et al. (2025) The N^ε-acetyl-L-lysine/Loxl2/H₂O₂ promotes intestinal tumor growth in Drosophila and cell proliferation in human colorectal cancer. Cell reports, 44(8), 116126.

McMullen E, et al. (2024) JAK/STAT mediated insulin resistance in muscles is essential for effective immune response. Cell communication and signaling : CCS, 22(1), 203.

Umezaki Y, et al. (2024) Taste triggers a homeostatic temperature control in hungry flies. eLife, 13.

Goldsmith SL, et al. (2023) dSmad2 differentially regulates dILP2 and dILP5 in insulin producing and circadian pacemaker cells in unmated adult females. PloS one, 18(1), e0280529.

Gera J, et al. (2022) Physiological ROS controls Upd3-dependent modeling of ECM to support cardiac function in Drosophila. Science advances, 8(7), eabj4991.

Bazzi W, et al. (2018) Embryonic hematopoiesis modulates the inflammatory response and larval hematopoiesis in Drosophila. eLife, 7.

Worley MI, et al. (2018) CtBP impedes JNK- and Upd/STAT-driven cell fate misspecifications in regenerating Drosophila imaginal discs. eLife, 7.

West C, et al. (2018) p38b and JAK-STAT signaling protect against Invertebrate iridescent virus 6 infection in Drosophila. PLoS pathogens, 14(5), e1007020.