

Resource Summary Report

Generated by [RRID](#) on Jul 29, 2026

[w\[*\] upd2\[Delta\] upd3\[Delta\]](#)

RRID:BDSC_55729

Type: Organism

Proper Citation

RRID:BDSC_55729

Organism Information

URL: <https://n2t.net/bdsc:55729>

Proper Citation: RRID:BDSC_55729

Description: Drosophila melanogaster with name w[*] upd2[Delta] upd3[Delta] from BDSC.

Species: Drosophila melanogaster

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

Affected Gene: upd2, upd3, w

Genomic Alteration: Chromosome 1

Catalog Number: 55729

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_55729, BL55729

Organism Name: w[*] upd2[Delta] upd3[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] upd3[Delta].

No alerts have been found for w[*] upd2[Delta] upd3[Delta].

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

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.

Kwok SH, et al. (2024) Paraneoplastic renal dysfunction in fly cancer models driven by inflammatory activation of stem cells. bioRxiv : the preprint server for biology.

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.

Shin M, et al. (2020) Subpopulation of Macrophage-Like Plasmacytes Attenuates Systemic Growth via JAK/STAT in the Drosophila Fat Body. Frontiers in immunology, 11, 63.

Kierdorf K, et al. (2020) Muscle function and homeostasis require cytokine inhibition of AKT activity in Drosophila. eLife, 9.

Houtz P, et al. (2019) Recruitment of Adult Precursor Cells Underlies Limited Repair of the Infected Larval Midgut in Drosophila. Cell host & microbe, 26(3), 412.

Ahlers LRH, et al. (2019) Insulin Potentiates JAK/STAT Signaling to Broadly Inhibit Flavivirus Replication in Insect Vectors. Cell reports, 29(7), 1946.

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.

Vicente C, et al. (2018) The CCR4-NOT complex is a tumor suppressor in Drosophila melanogaster eye cancer models. Journal of hematology & oncology, 11(1), 108.