Resource Summary Report

Generated by ASWG on Aug 9, 2026

w[*]; P{w[+mC]=UAS-sima.B}2

RRID:BDSC_9582
Type: Organism

Proper Citation

RRID:BDSC_9582

Organism Information

URL: https://n2t.net/bdsc:9582

Proper Citation: RRID:BDSC_9582

Description: Drosophila melanogaster with name w[*]; P{w[+mC]=UAS-sima.B}2 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Steve Crews, University of North Carolina, Chapel Hill

Affected Gene: sima, UAS, w

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 9582

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_9582, BL9582

Organism Name: w[*]; P{w[+mC]=UAS-sima.B}2

Record Creation Time: 20240911T222226+0000

Record Last Update: 20260808T194351+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; P{w[+mC]=UAS-sima.B}2.

No alerts have been found for w[*]; P{w[+mC]=UAS-sima.B}2.

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 ASWG .

Sorianello E, et al. (2025) The translational inhibitor 4EBP/Thor is required for Drosophila adaptation to hypoxia. Scientific reports, 15(1), 23370.

Sobrido-Cameán D, et al. (2025) Mitochondrial ROS and HIF-1? signaling mediate synaptic plasticity in the critical period. PLoS biology, 23(8), e3003338.

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

Huang YT, et al. (2025) Activation of a Src-JNK pathway in unscheduled endocycling cells of the Drosophila wing disc induces a chronic wounding response. bioRxiv : the preprint server for biology.

Feng C, et al. (2024) Vitamin B12 ameliorates gut epithelial injury via modulating the HIF-1 pathway and gut microbiota. Cellular and molecular life sciences : CMLS, 81(1), 397.

Tamamouna V, et al. (2021) Remodelling of oxygen-transporting tracheoles drives intestinal regeneration and tumorigenesis in Drosophila. Nature cell biology, 23(5), 497.

Li F, et al. (2020) Glial Metabolic Rewiring Promotes Axon Regeneration and Functional Recovery in the Central Nervous System. Cell metabolism, 32(5), 767.

Cho B, et al. (2018) Systemic control of immune cell development by integrated carbon dioxide and hypoxia chemosensation in Drosophila. Nature communications, 9(1), 2679.

Dong W, et al. (2015) A conserved polybasic domain mediates plasma membrane targeting of Lgl and its regulation by hypoxia. The Journal of cell biology, 211(2), 273.

Mortimer NT, et al. (2013) The archipelago ubiquitin ligase subunit acts in target tissue to restrict tracheal terminal cell branching and hypoxic-induced gene expression. PLoS genetics, 9(2), e1003314.

Wen Y, et al. (2013) The role of autophagy in Nmnat-mediated protection against hypoxia-induced dendrite degeneration. Molecular and cellular neurosciences, 52, 140.