

Resource Summary Report

Generated by T1D on Sep 6, 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, BDSC:9582, BL9582

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

Record Creation Time: 20240911T222226+0000

Record Last Update: 20260905T135902+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 [T1D](#).

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 α signaling mediate synaptic plasticity in the critical period. *PLoS biology*, 23(8), e3003338.

Xiao G, et al. (2025) Intratumor HIF-1 α 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.