

Resource Summary Report

Generated by [NIF](#) on Sep 7, 2026

[w\[*\]; P{w\[+mC\]=EP}park\[1\]/TM3, Sb\[1\] Ser\[1\]](#)

RRID:BDSC_34747

Type: Organism

Proper Citation

RRID:BDSC_34747

Organism Information

URL: <https://n2t.net/bdsc:34747>

Proper Citation: RRID:BDSC_34747

Description: Drosophila melanogaster with name w[*]; P{w[+mC]=EP}park[1]/TM3, Sb[1] Ser[1] from BDSC.

Species: Drosophila melanogaster

Notes: Homozygotes are present but are rare and sickly. Donor: Jongkyeong Chung, Seoul National University

Affected Gene: park, Sb, Ser, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 34747

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_34747, BDSC:34747, BL34747

Organism Name: w[*]; P{w[+mC]=EP}park[1]/TM3, Sb[1] Ser[1]

Record Creation Time: 20240911T222556+0000

Record Last Update: 20260905T140402+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; P{w[+mC]=EP}park[1]/TM3, Sb[1] Ser[1].

No alerts have been found for w[*]; P{w[+mC]=EP}park[1]/TM3, Sb[1] Ser[1].

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 [NIF](#) .

Zhao X, et al. (2026) Stuxnet balances mitochondria homeostasis by regulating uhg5 and parkin. Cell reports, 45(1), 116855.

Kaempfer N, et al. (2026) Behavioral screening defines the molecular Parkinsonism-related subgroups in Drosophila. Nature communications, 17(1).

Dileep M, et al. (2026) Synergism of IP3R and Parkin mutants identifies mitochondrial stress as an early feature of Parkinson's disease. Disease models & mechanisms, 19(1).

Tng TJW, et al. (2025) Ergothioneine Treatment Ameliorates the Pathological Phenotypes of Parkinson's Disease Models. Journal of neurochemistry, 169(7), e70168.

Ham SJ, et al. (2025) Mitochondrial fumarate inhibits Parkin-mediated mitophagy. Molecular cell, 85(12), 2287.

Moehلمان AT, et al. (2023) Loss of STING in parkin mutant flies suppresses muscle defects and mitochondria damage. PLoS genetics, 19(7), e1010828.

Ham SJ, et al. (2023) PINK1 and Parkin regulate IP3R-mediated ER calcium release. Nature communications, 14(1), 5202.

Miozzo F, et al. (2022) Maintenance of mitochondrial integrity in midbrain dopaminergic neurons governed by a conserved developmental transcription factor. Nature communications, 13(1), 1426.

Han Y, et al. (2021) Roles of PINK1 in regulation of systemic growth inhibition induced by mutations of PTEN in Drosophila. Cell reports, 34(12), 108875.

Ham SJ, et al. (2020) Decision between mitophagy and apoptosis by Parkin via VDAC1 ubiquitination. Proceedings of the National Academy of Sciences of the United States of America, 117(8), 4281.

Valadas JS, et al. (2018) ER Lipid Defects in Neuropeptidergic Neurons Impair Sleep Patterns in Parkinson's Disease. Neuron, 98(6), 1155.