

Resource Summary Report

Generated by [RRID](#) on Aug 6, 2026

[w\[*\]; P{w\[+mC\]=UAS-park.G}L2/CyO](#)

RRID:BDSC_51651

Type: Organism

Proper Citation

RRID:BDSC_51651

Organism Information

URL: <https://n2t.net/bdsc:51651>

Proper Citation: RRID:BDSC_51651

Description: Drosophila melanogaster with name w[*]; P{w[+mC]=UAS-park.G}L2/CyO from BDSC.

Species: Drosophila melanogaster

Notes: Homozygotes present. Donor: Hugo J. Bellen, Baylor College of Medicine; Donor's Source: Ming Guo, UCLA School of Medicine

Affected Gene: park, UAS, w

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 51651

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_51651, BL51651

Organism Name: w[*]; P{w[+mC]=UAS-park.G}L2/CyO

Record Creation Time: 20240911T222758+0000

Record Last Update: 20260801T195428+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; P{w[+mC]=UAS-park.G}L2/CyO.

No alerts have been found for w[*]; P{w[+mC]=UAS-park.G}L2/CyO.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Tsao WC, et al. (2025) Splicing factor Sf3b1 facilitates maintenance of neuronal dendrites by modulating mitochondrial health. Cellular and molecular life sciences : CMLS, 82(1), 347.

Zhu JY, et al. (2024) Promoting mitochondrial dynamics by inhibiting the PINK1-PRKN pathway to relieve diabetic nephropathy. Disease models & mechanisms, 17(4).

Gumeni S, et al. (2021) Nrf2 activation induces mitophagy and reverses Parkin/Pink1 knock down-mediated neuronal and muscle degeneration phenotypes. Cell death & disease, 12(7), 671.

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.

Lin J, et al. (2020) Paradoxical Mitophagy Regulation by PINK1 and TUFm. Molecular cell, 80(4), 607.

Sun X, et al. (2018) Distinct multilevel misregulations of Parkin and PINK1 revealed in cell and animal models of TDP-43 proteinopathy. Cell death & disease, 9(10), 953.

Cao X, et al. (2017) In vivo imaging reveals mitophagy independence in the maintenance of axonal mitochondria during normal aging. Aging cell, 16(5), 1180.