

Resource Summary Report

Generated by [NIF](#) on Aug 26, 2026

[w\[*\]; P{w\[+mC\]=Gr21a-GAL4.C}133t52.1](#)

RRID:BDSC_23890

Type: Organism

Proper Citation

RRID:BDSC_23890

Organism Information

URL: <https://n2t.net/bdsc:23890>

Proper Citation: RRID:BDSC_23890

Description: Drosophila melanogaster with name w[*]; P{w[+mC]=Gr21a-GAL4.C}133t52.1 from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Barry Dickson, Research Institute of Molecular Pathology

Affected Gene: GAL4, Gr21a, w

Genomic Alteration: Chromosome 1, Chromosome 3

Catalog Number: 23890

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_23890, BL23890

Organism Name: w[*]; P{w[+mC]=Gr21a-GAL4.C}133t52.1

Record Creation Time: 20240911T222412+0000

Record Last Update: 20260815T191535+0000

Ratings and Alerts

No rating or validation information has been found for w[*]; P{w[+mC]=Gr21a-GAL4.C}133t52.1.

No alerts have been found for w[*]; P{w[+mC]=Gr21a-GAL4.C}133t52.1.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Komarov N, et al. (2025) Food hardness preference reveals multisensory contributions of fly larval gustatory organs in behaviour and physiology. PLoS biology, 23(1), e3002730.

Tumkaya T, et al. (2025) Entirely synthetic memory inception via dual optogenetic activation of sensory and dopaminergic neurons. iScience, 28(10), 113540.

Mallick A, et al. (2024) Serotonin acts through multiple cellular targets during an olfactory critical period. bioRxiv : the preprint server for biology.

Mallick A, et al. (2024) Serotonin acts through multiple cellular targets during an olfactory critical period. iScience, 27(11), 111083.

Maier GL, et al. (2021) Taste sensing and sugar detection mechanisms in Drosophila larval primary taste center. eLife, 10.

Izadifar A, et al. (2021) Axon morphogenesis and maintenance require an evolutionary conserved safeguard function of Wnk kinases antagonizing Sarm and Axed. Neuron, 109(18), 2864.

Lesar A, et al. (2021) Switch-like and persistent memory formation in individual Drosophila larvae. eLife, 10.

Gepner R, et al. (2018) Variance adaptation in navigational decision making. eLife, 7.