

Resource Summary Report

Generated by [RRID](#) on Aug 5, 2026

[w\[*\]; Tl{w\[+mW.hs\]=GAL4}Gr33a\[GAL4\]](#)

RRID:BDSC_31425

Type: Organism

Proper Citation

RRID:BDSC_31425

Organism Information

URL: <https://n2t.net/bdsc:31425>

Proper Citation: RRID:BDSC_31425

Description: Drosophila melanogaster with name w[*]; Tl{w[+mW.hs]=GAL4}Gr33a[GAL4] from BDSC.

Species: Drosophila melanogaster

Notes: Donor: Craig Montell, Johns Hopkins University School of Medicine

Affected Gene: GAL4, Gr33a, w

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 31425

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_31425, BL31425

Organism Name: w[*]; Tl{w[+mW.hs]=GAL4}Gr33a[GAL4]

Record Creation Time: 20240911T222523+0000

Record Last Update: 20260801T195101+0000

Ratings and Alerts

No rating or validation information has been found for w[*];
Tl{w[+mW.hs]=GAL4}Gr33a[GAL4].

No alerts have been found for w[*]; Tl{w[+mW.hs]=GAL4}Gr33a[GAL4].

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Lu S, et al. (2024) Mechanisms of gas sensing by internal sensory neurons in Drosophila larvae. bioRxiv : the preprint server for biology.

Mabuchi Y, et al. (2023) Visual feedback neurons fine-tune Drosophila male courtship via GABA-mediated inhibition. Current biology : CB, 33(18), 3896.

Yu J, et al. (2023) A dedicate sensorimotor circuit enables fine texture discrimination by active touch. PLoS genetics, 19(1), e1010562.

Li X, et al. (2023) Taste coding of heavy metal ion-induced avoidance in Drosophila. iScience, 26(5), 106607.

Deere JU, et al. (2023) Selective integration of diverse taste inputs within a single taste modality. eLife, 12.

Deere JU, et al. (2022) Taste cues elicit prolonged modulation of feeding behavior in Drosophila. iScience, 25(10), 105159.

Devineni AV, et al. (2021) Individual bitter-sensing neurons in Drosophila exhibit both ON and OFF responses that influence synaptic plasticity. Current biology : CB, 31(24), 5533.

Zhang N, et al. (2020) Spatial Comparisons of Mechanosensory Information Govern the Grooming Sequence in Drosophila. Current biology : CB, 30(6), 988.

Leung NY, et al. (2020) Functions of Opsins in Drosophila Taste. Current biology : CB, 30(8), 1367.

Rass M, et al. (2019) The Drosophila fussel gene is required for bitter gustatory neuron differentiation acting within an Rpd3 dependent chromatin modifying complex. PLoS genetics, 15(2), e1007940.

Ki Y, et al. (2019) Sleep-promoting effects of threonine link amino acid metabolism in Drosophila neuron to GABAergic control of sleep drive. eLife, 8.

Chen HL, et al. (2019) Molecular control limiting sensitivity of sweet taste neurons in *Drosophila*. *Proceedings of the National Academy of Sciences of the United States of America*, 116(40), 20158.

Chen Y, et al. (2017) Ionotropic Receptors Mediate *Drosophila* Oviposition Preference through Sour Gustatory Receptor Neurons. *Current biology : CB*, 27(18), 2741.