

Resource Summary Report

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

[w\[1118\]; P{ry\[+t7.2\]=ry11}piwi\[2\]/CyO,
P{w\[+mC\]=ActGFP}JMR1](#)

RRID:BDSC_43319

Type: Organism

Proper Citation

RRID:BDSC_43319

Organism Information

URL: <https://n2t.net/bdsc:43319>

Proper Citation: RRID:BDSC_43319

Description: Drosophila melanogaster with name w[1118]; P{ry[+t7.2]=ry11}piwi[2]/CyO, P{w[+mC]=ActGFP}JMR1 from BDSC.

Species: Drosophila melanogaster

Notes: Carries an unknown miniwhite-marked transgene on CyO. Identity of GFP construct on CyO is a guess. Donor: James Mason, NIH, National Institute of Environmental Health Sciences; Donor's Source: Haifan Lin, Yale University

Affected Gene: Act5C, Avic\GFP, piwi, w

Genomic Alteration: Chromosome 1, Chromosome 2

Catalog Number: 43319

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_43319, BL43319

Organism Name: w[1118]; P{ry[+t7.2]=ry11}piwi[2]/CyO, P{w[+mC]=ActGFP}JMR1

Record Creation Time: 20240911T222712+0000

Record Last Update: 20260801T195331+0000

Ratings and Alerts

No rating or validation information has been found for w[1118];
P{ry[+t7.2]=ry11}piwi[2]/CyO, P{w[+mC]=ActGFP}JMR1.

No alerts have been found for w[1118]; P{ry[+t7.2]=ry11}piwi[2]/CyO,
P{w[+mC]=ActGFP}JMR1.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Bloomington Drosophila Stock Center (BDSC)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Chavan A, et al. (2025) Multi-tissue characterization of the constitutive heterochromatin proteome in Drosophila identifies a link between satellite DNA organization and transposon repression. PLoS biology, 23(1), e3002984.

Lee SK, et al. (2025) Topoisomerase 3b facilitates piRNA biogenesis to promote transposon silencing and germ cell development. Cell reports, 44(4), 115495.

Lim LX, et al. (2022) The Tudor Domain-Containing Protein, Kotsubu (CG9925), Localizes to the Nuage and Functions in piRNA Biogenesis in D. melanogaster. Frontiers in molecular biosciences, 9, 818302.

Zhang G, et al. (2021) piRNA-independent transposon silencing by the Drosophila THO complex. Developmental cell, 56(18), 2623.

Fort-Aznar L, et al. (2020) Retrovirus reactivation in CHMP2BIntron5 models of frontotemporal dementia. Human molecular genetics, 29(16), 2637.

Chang TH, et al. (2019) Maelstrom Represses Canonical Polymerase II Transcription within Bi-directional piRNA Clusters in Drosophila melanogaster. Molecular cell, 73(2), 291.

Yang F, et al. (2019) Ovaries absent links dLsd1 to HP1a for local H3K4 demethylation required for heterochromatic gene silencing. eLife, 8.

Teixeira FK, et al. (2017) piRNA-mediated regulation of transposon alternative splicing in the soma and germ line. Nature, 552(7684), 268.

Klein JD, et al. (2016) c-Fos Repression by Piwi Regulates Drosophila Ovarian Germline Formation and Tissue Morphogenesis. PLoS genetics, 12(9), e1006281.