

Resource Summary Report

Generated by [Kravitz](#) on Sep 11, 2026

Df(1)Exel6234, w[1118] P{w[+mC]=XP-U}Exel6234

RRID:BDSC_7708

Type: Organism

Proper Citation

RRID:BDSC_7708

Organism Information

URL: <https://n2t.net/bdsc:7708>

Proper Citation: RRID:BDSC_7708

Description: Drosophila melanogaster with name Df(1)Exel6234, w[1118] P{w[+mC]=XP-U}Exel6234 from BDSC.

Species: Drosophila melanogaster

Notes: X chromosome coisogenic with other Exelixis Df lines, but autosomes derived from different background. Homozygotes and hemizygotes are viable and fertile. Deficiency confirmed via PCR in 09/2025. Donor: Exelixis, Inc.

Affected Gene: CG12730, CG15784, CG32762, CG4151, frma, lncRNA:CR44471, lncRNA:CR45517, lncRNA:CR45519, SPR, w

Genomic Alteration: Chromosome 1

Catalog Number: 7708

Database: Bloomington Drosophila Stock Center (BDSC)

Database Abbreviation: BDSC

Availability: available

Alternate IDs: BDSC_7708, BDSC:7708, BL7708

Organism Name: Df(1)Exel6234, w[1118] P{w[+mC]=XP-U}Exel6234

Record Creation Time: 20240911T222211+0000

Record Last Update: 20260905T135838+0000

Ratings and Alerts

No rating or validation information has been found for Df(1)Exel6234, w[1118] P{w[+mC]=XP-U}Exel6234.

No alerts have been found for Df(1)Exel6234, w[1118] P{w[+mC]=XP-U}Exel6234.

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 [Kravitz](#) .

Nallasivan MP, et al. (2026) Sex peptide targets distinct higher order processing neurons in the brain to induce the female post-mating response. eLife, 13.

Ribeiro V, et al. (2026) Genome-wide screen for deficiencies modifying Cyclin G-induced developmental instability in Drosophila melanogaster. Genetics, 232(3).

Zhang T, et al. (2025) SIFamide-dependent synaptic plasticity in male-specific GABAergic neurons underlies experience-modulated mating behaviors. iScience, 28(10), 113516.

Sun Y, et al. (2025) Genetic screening reveals cone cell-specific factors as common genetic targets modulating rival-induced prolonged mating in male Drosophila melanogaster. G3 (Bethesda, Md.), 15(1).

Zhang T, et al. (2025) Neuropeptide-mediated synaptic plasticity regulates context-dependent mating behaviors in Drosophila. PLoS biology, 23(9), e3003330.

Miao H, et al. (2025) The foraging gene coordinates brain and heart networks to modulate socially cued interval timing in Drosophila. PLoS genetics, 21(7), e1011752.

Hikawa N, et al. (2024) Mating-induced increase of kynurenine in Drosophila ovary enhances starvation resistance of progeny. The Journal of biological chemistry, 300(3), 105663.

Lee SG, et al. (2023) Taste and pheromonal inputs govern the regulation of time investment for mating by sexual experience in male Drosophila melanogaster. PLoS genetics, 19(5), e1010753.

White MA, et al. (2021) Drosophila melanogaster sex peptide regulates mated female midgut morphology and physiology. Proceedings of the National Academy of Sciences of the United States of America, 118(1).

Kohlmeier P, et al. (2021) Mating increases Drosophila melanogaster females' choosiness by reducing olfactory sensitivity to a male pheromone. Nature ecology & evolution, 5(8),

1165.

Sawyer JK, et al. (2020) Exploiting codon usage identifies intensity-specific modifiers of Ras/MAPK signaling in vivo. *PLoS genetics*, 16(12), e1009228.

Pischedda A, et al. (2020) The Loci of Behavioral Evolution: Evidence That Fas2 and tilB Underlie Differences in Pupation Site Choice Behavior between *Drosophila melanogaster* and *D. simulans*. *Molecular biology and evolution*, 37(3), 864.

Li X, et al. (2020) The Mediator CDK8-Cyclin C complex modulates Dpp signaling in *Drosophila* by stimulating Mad-dependent transcription. *PLoS genetics*, 16(5), e1008832.