

Resource Summary Report

Generated by [dkNET](#) on Sep 10, 2026

HBR507

RRID:WB-STRAIN:WBStrain00008311

Type: Organism

Proper Citation

RRID:WB-STRAIN:WBStrain00008311

Organism Information

URL: <http://www.wormbase.org/db/get?name=WBStrain00008311>

Proper Citation: RRID:WB-STRAIN:WBStrain00008311

Description: Caenorhabditis elegans with name flp-11(tm2706) X. from WB.

Species: Caenorhabditis elegans

Synonyms: flp-11(tm2706) X.

Notes: 70% reduction of behavioral quiescence during sleep. Reference: Turek et al. eLife 2016;5:e12499.

Affected Gene: WBGene00001454(flp-11)

Genomic Alteration: WBGene00001454(flp-11)

Catalog Number: WB-STRAIN:WBStrain00008311

Database: WormBase (WB)

Database Abbreviation: WB

Availability: available

Source References: [PMID:36652499](#), [PMID:37155851](#)

Alternate IDs: WB-STRAIN:HBR507, CGC_HBR507

Organism Name: HBR507

Record Creation Time: 20230227T013321+0000

Record Last Update: 20260905T114714+0000

Ratings and Alerts

No rating or validation information has been found for HBR507.

No alerts have been found for HBR507.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: WormBase (WB)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Ji H, et al. (2023) A proprioceptive feedback circuit drives *Caenorhabditis elegans* locomotor adaptation through dopamine signaling. *Proceedings of the National Academy of Sciences of the United States of America*, 120(20), e2219341120.

Cockx B, et al. (2023) Mass Spectrometry-Driven Discovery of Neuropeptides Mediating Nictation Behavior of Nematodes. *Molecular & cellular proteomics : MCP*, 22(2), 100479.

Busack I, et al. (2023) A sleep-active neuron can promote survival while sleep behavior is disturbed. *PLoS genetics*, 19(3), e1010665.

Ardiel EL, et al. (2022) Stereotyped behavioral maturation and rhythmic quiescence in *C. elegans* embryos. *eLife*, 11.