

Resource Summary Report

Generated by [dkNET](#) on Aug 18, 2026

pCFD4-U6:1_U6:3tandemgRNAs

RRID:Addgene_49411

Type: Plasmid

Proper Citation

RRID:Addgene_49411

Plasmid Information

URL: <http://www.addgene.org/49411>

Proper Citation: RRID:Addgene_49411

Insert Name: dU6-1:gRNA

Organism: Drosophila melanogaster

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:25002478](#)

Vector Backbone Description: Backbone Marker:Norbert Perrimon, Jian-Quan Ni, Harvard; Vector Backbone:pValium22; Vector Types:Insect Expression, CRISPR; Bacterial Resistance:Ampicillin

Comments: Please acknowledge Fillip Port and Simon Bullock when publishing work derived from use of this plasmid. Visit crisprflydesign.org for more information.

Plasmid Name: pCFD4-U6:1_U6:3tandemgRNAs

Record Creation Time: 20220422T222254+0000

Record Last Update: 20260815T081600+0000

Ratings and Alerts

No rating or validation information has been found for pCFD4-U6:1_U6:3tandemgRNAs.

No alerts have been found for pCFD4-U6:1_U6:3tandemgRNAs.

Data and Source Information

Usage and Citation Metrics

We found 134 mentions in open access literature.

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

Takenaka R, et al. (2026) The Drosophila maternal-effect gene abnormal oocyte (ao) does not repress histone gene expression. *Genetics*, 232(4).

Deriglazova IO, et al. (2026) The Chimeric Nuclease SpRYc Exhibits Highly Variable Performance Across Biological Systems. *International journal of molecular sciences*, 27(1).

Lai SL, et al. (2026) The Fd4 transcription factor translates transient spatial cues in progenitors into long-term lineage identity. *eLife*, 14.

Connacher RP, et al. (2026) The RNA-binding activity of the Drosophila Brat protein is necessary for viability and mRNA regulation. *RNA biology*, 23(1), 1.

Pelletier A, et al. (2025) Multiple cis-regulatory modules ensure robust tup/islet1 function in dorsal muscle identity specification. *Skeletal muscle*, 15(1), 23.

Soffers JHM, et al. (2025) A library of lineage-specific driver lines connects developing neuronal circuits to behavior in the Drosophila ventral nerve cord. *eLife*, 14.

Liu W, et al. (2025) Pcf11/Spt5 condensates stall RNA polymerase II to facilitate termination and piRNA-guided heterochromatin formation. *Molecular cell*, 85(5), 929.

Chakraborty M, et al. (2025) Baculovirus Variant Detection from Transient CRISPR-Cas9-Mediated Disruption of gp64 at Different Gene Locations. *International journal of molecular sciences*, 26(12).

Drake KC, et al. (2025) Fer3 is uniquely expressed in NotchOFF hemilineages, where it promotes interneuron identity. *Development (Cambridge, England)*, 152(22).

Vorontsova J, et al. (2025) Peculiarities of the e(y)2 Gene Evolution in Deuterostomes and Drosophilinae. *International journal of molecular sciences*, 26(21).

Meng Z, et al. (2025) Neurexin regulates mechanical nociceptive sensitization by central inhibition in Drosophila. *Science advances*, 11(51), eadz9682.

Vasileva Y, et al. (2025) ZAD mediates chromatin binding and insulator activity of Drosophila Pita and can be replaced with the human ZFP276 ZAD-like domain. *Epigenetics & chromatin*, 18(1), 77.

Chakraborty M, et al. (2025) Adapting Next-Generation Sequencing to in Process CRISPR-Cas9 Genome Editing of Recombinant AcMNPV Vectors: From Shotgun to Tiled-Amplicon Sequencing. *Viruses*, 17(3).

Chen J, et al. (2025) A hormone-to-neuropeptide pathway inhibits sexual receptivity in immature *Drosophila* females. *Proceedings of the National Academy of Sciences of the United States of America*, 122(8), e2418481122.

Lee Y, et al. (2025) Defining the roles of the Integrator, NEXT, and nuclear exosome complexes in *Drosophila* oogenesis. *Cell reports*, 44(10), 116329.

Pech U, et al. (2025) Synaptic deregulation of cholinergic projection neurons causes olfactory dysfunction across five fly Parkinsonism models. *eLife*, 13.

Kaldun JC, et al. (2025) A temporally restricted function of the dopamine receptor Dop1R2 during memory formation. *eLife*, 13.

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.

Dunipace L, et al. (2025) The proximal enhancer of the snail gene mediates negative autoregulatory feedback in *Drosophila melanogaster*. *Genetics*, 230(2).

Osadchiy I, et al. (2025) *Drosophila* architectural proteins M1BP and Opbp cooperatively form the active promoter of a ribosomal protein gene. *Epigenetics & chromatin*, 18(1), 20.