Resource Summary Report

Generated by dkNET on May 18, 2025

Flye

RRID:SCR_017016
Type: Tool

Proper Citation

Flye (RRID:SCR_017016)

Resource Information

URL: https://github.com/fenderglass/Flye

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Description: Software package as de novo assembler for single molecule sequencing reads. Used for assembling long, error prone reads such as those produced by PacBio and Oxford Nanopore Technologies, for fast and accurate genome reconstructions. Available for Linux and MacOS platforms.

Resource Type: software application, software toolkit, data analysis software, data processing software, sequence analysis software, software resource

Defining Citation: PMID:27956617

Keywords: assembler, single, molecule, sequencing, long, error, read, fast, accurate, genome, reconstruction, nucleotide, quality, data, bio.tools

Funding:

Availability: Free, Available for download, Freely available

Resource Name: Flye

Resource ID: SCR_017016

Alternate IDs: biotools:Flye

Alternate URLs: https://bio.tools/Flye, https://sources.debian.org/src/flye/

License: BSD 3-Clause "New" or "Revised" License

Record Creation Time: 20220129T080333+0000

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Ratings and Alerts

No rating or validation information has been found for Flye.

No alerts have been found for Flye.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 203 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET.

Clark MS, et al. (2025) Assessing the impact of sewage and wastewater on antimicrobial resistance in nearshore Antarctic biofilms and sediments. Environmental microbiome, 20(1), 9.

Iliev I, et al. (2025) Characterization and Probiotic Potential of Levilactobacillus brevis DPL5: A Novel Strain Isolated from Human Breast Milk with Antimicrobial Properties Against Biofilm-Forming Staphylococcus aureus. Microorganisms, 13(1).

Gasser MT, et al. (2025) Closing the genome of Teredinibacter turnerae T7902 by long-read nanopore sequencing. Microbiology resource announcements, 14(1), e0048424.

Vedani T, et al. (2025) Emergence and polyclonal dissemination of NDM-5/OXA-181 carbapenemase-producing Escherichia coli in the French Indian Ocean territories. Annals of clinical microbiology and antimicrobials, 24(1), 8.

Bryant JL, et al. (2025) Phenotypic and Complete Reference Whole Genome Sequence Analyses of Two Paenibacillus spp. Isolates from a Gray Wolf (Canis lupus) Gastrointestinal Tract. Veterinary sciences, 12(1).

Mu B, et al. (2024) Identification and characterisation of moderately thermostable diisobutyl phthalate degrading esterase from a Great Artesian Basin Bacillus velezensis NP05. Biotechnology reports (Amsterdam, Netherlands), 42, e00840.

Wolf M, et al. (2024) Near chromosome-level and highly repetitive genome assembly of the

snake pipefish Entelurus aequoreus (Syngnathiformes: Syngnathidae). GigaByte (Hong Kong, China), 2024, gigabyte105.

Lax C, et al. (2024) Symmetric and asymmetric DNA N6-adenine methylation regulates different biological responses in Mucorales. Nature communications, 15(1), 6066.

Menzel P, et al. (2024) Snakemake workflows for long-read bacterial genome assembly and evaluation. GigaByte (Hong Kong, China), 2024, gigabyte116.

Baev V, et al. (2024) Exploring the Genomic Landscape of Bacillus paranthracis PUMB_17 as a Proficient Phosphatidylcholine-Specific Phospholipase C Producer. Current issues in molecular biology, 46(3), 2497.

Zhou Y, et al. (2024) Pan-genome analysis of Streptococcus suis serotype 2 highlights genes associated with virulence and antibiotic resistance. Frontiers in microbiology, 15, 1362316.

Zhang W, et al. (2024) The giant panda gut harbors a high diversity of lactic acid bacteria revealed by a novel culturomics pipeline. mSystems, 9(7), e0052024.

Yang H, et al. (2024) High-quality assembly of the T2T genome for Isodon rubescens f. lushanensis reveals genomic structure variations between 2 typical forms of Isodon rubescens. GigaScience, 13.

Baev V, et al. (2024) Genomic Exploration of a Chitinolytic Streptomyces albogriseolus PMB5 Strain from European mantis (Mantis religiosa). Current issues in molecular biology, 46(9), 9359.

Wang FQ, et al. (2024) Particle-attached bacteria act as gatekeepers in the decomposition of complex phytoplankton polysaccharides. Microbiome, 12(1), 32.

Smallman TR, et al. (2024) Pathogenomic analysis and characterization of Pasteurella multocida strains recovered from human infections. Microbiology spectrum, 12(4), e0380523.

Chouaia B, et al. (2024) A 2000-Year-Old Bacillus stercoris Strain Sheds Light on the Evolution of Cyclic Antimicrobial Lipopeptide Synthesis. Microorganisms, 12(2).

Gairin E, et al. (2024) The genome of the sapphire damselfish Chrysiptera cyanea: a new resource to support further investigation of the evolution of Pomacentrids. GigaByte (Hong Kong, China), 2024, gigabyte144.

Borowska-Beszta M, et al. (2024) Comparative genomics, pangenomics, and phenomic studies of Pectobacterium betavasculorum strains isolated from sugar beet, potato, sunflower, and artichoke: insights into pathogenicity, virulence determinants, and adaptation to the host plant. Frontiers in plant science, 15, 1352318.

Wang H, et al. (2024) Highly active repeat-mediated recombination in the mitogenome of the aquatic grass Hygroryza aristata. BMC plant biology, 24(1), 644.