Resource Summary Report

Generated by T1D on Aug 5, 2026

fermi-lite

RRID:SCR_016112
Type: Tool

Proper Citation

fermi-lite (RRID:SCR_016112)

Resource Information

URL: https://github.com/lh3/fermi-lite

Proper Citation: fermi-lite (RRID:SCR_016112)

Description: Standalone C library as well as a command-line tool for assembling Illumina short reads in small regions. It is an overlap-based assembler used in sequencing to retain heterozygous events and to assemble diploid regions for the purpose of variant calling.

Synonyms: FermiKit, Fml-asm

Resource Type: data processing software, alignment software, algorithm resource, standalone software, software resource, software application, image analysis software

Defining Citation: PMID:26220959

Keywords: assembling, short, read, small, region, sequencing, retain, heterozygous, event, diploid, variant, calling

Funding: NHGRI U54 HG003037;
NIGMS GM100233

Availability: Free, Available for download

Resource Name: fermi-lite

Resource ID: SCR_016112

License: MIT License

Record Creation Time: 20220129T080328+0000

Record Last Update: 20260805T044349+0000

Ratings and Alerts

No rating or validation information has been found for fermi-lite.

No alerts have been found for fermi-lite.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at T1D .

Xu Y, et al. (2023) Prevalence and clinico-genomic characteristics of patients with TRK fusion cancer in China. NPJ precision oncology, 7(1), 75.

Tong Z, et al. (2021) Clonal Evolution Dynamics in Primary and Metastatic Lesions of Pancreatic Neuroendocrine Neoplasms. Frontiers in medicine, 8, 620988.

Evans T, et al. (2018) Virtual Genome Walking across the 32 Gb Ambystoma mexicanum genome; assembling gene models and intronic sequence. Scientific reports, 8(1), 618.

Hunt M, et al. (2017) ARIBA: rapid antimicrobial resistance genotyping directly from sequencing reads. Microbial genomics, 3(10), e000131.