SPAdes
RRID:SCR_000131
Type: Tool

Proper Citation

SPAdes (RRID:SCR_000131)

Resource Information

URL: https://cab.spbu.ru/software/spades/

Proper Citation: SPAdes (RRID:SCR_000131)

Description: Software package for assembling single cell genomes and mini metagenomes. Uses short read sets as input. Used for genomes of uncultivatable bacteria that vastly exceeds what may be obtained via traditional metagenomics studies. Works with Illumina or IonTorrent reads and can provide hybrid assemblies using PacBio, Oxford Nanopore and Sanger reads. Intended for small genomes like bacterial or fungal.

Abbreviations: SPAdes

Synonyms: SPAdes Genome Assembler

Resource Type: software resource, software toolkit

Defining Citation: PMID:24093227, PMID:22506599, DOI:10.1089/cmb.2012.0021

Keywords: assembler, single, cell, small, genome, short, read, data

Funding Agency: Government of the Russian Federation, NCRR

Availability: Free, Available for download, Freely available

Resource Name: SPAdes

Resource ID: SCR_000131

Alternate IDs: OMICS_01502
Alternate URLs: https://sources.debian.org/src/spades/

Old URLs: http://bioinf.spbau.ru/spades/

Record Creation Time: 20220129T080159+0000

Record Last Update: 20240702T053004+0000

Ratings and Alerts

No rating or validation information has been found for SPAdes.

No alerts have been found for SPAdes.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 91 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.


Welgemoed T, et al. (2023) Population genomic analyses suggest recent dispersal events of the pathogen Cercospora zeina into East and Southern African maize cropping systems. G3 (Bethesda, Md.), 13(11).

Pei X, et al. (2023) Genome resource of Streptomyces atratus PY-1, a broad-spectrum antimicrobial strain in particular antagonistic against Plasmopara viticola. Plant disease.


Cadena-Caballero CE, et al. (2023) APGW/AKH Precursor from Rotifer Brachionus plicatilis and the DNA Loss Model Explain Evolutionary Trends of the Neuropeptide LWamide,


Clilverd H, et al. (2023) Infection dynamics, transmission, and evolution after an outbreak of porcine reproductive and respiratory syndrome virus. Frontiers in microbiology, 14, 1109881.


Majeske AJ, et al. (2022) The first complete mitochondrial genome of Diadema antillarum (Diadematoidea, Diadematidae). GigaByte (Hong Kong, China), 2022, gigabyte73.


