

Resource Summary Report

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Sickle

RRID:SCR_006800

Type: Tool

Proper Citation

Sickle (RRID:SCR_006800)

Resource Information

URL: <https://github.com/najoshi/sickle>

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Description: Software tool for windowed adaptive trimming for fastq files using quality. Supports quality values like Illumina, Solexa, and Sanger. Takes the quality values and slides a window across them whose length is 0.1 times the length of the read.

Abbreviations: Sickle

Synonyms: sickle - A windowed adaptive trimming tool for FASTQ files using quality

Resource Type: software resource, software application, data processing software

Keywords: bio.tools, windowed, adaptive, trimming, FASTQ, quality, value, read

Availability: Free, Available for download, Freely available

Resource Name: Sickle

Resource ID: SCR_006800

Alternate IDs: OMICS_01077, biotools:sickle, SCR_016901

Alternate URLs: <https://bio.tools/sickle>, <https://sources.debian.org/src/sickle/>

License: MIT License

Record Creation Time: 20220129T080238+0000

Record Last Update: 20260731T042729+0000

Ratings and Alerts

No rating or validation information has been found for Sickle.

No alerts have been found for Sickle.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1422 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Hilliam Y, et al. (2025) Induction of lipid A modification genes in *Pseudomonas aeruginosa* cells tolerant to a commercially available contact lens disinfection solution. *Journal of medical microbiology*, 74(9).

Wang ZF, et al. (2025) Chromosome-scale assemblies of three *Ormosia* species: repetitive sequences distribution and structural rearrangement. *GigaScience*, 14.

Wang J, et al. (2025) DNA methyltransferase 1 modulates mitochondrial function through bridging m5C RNA methylation. *Molecular cell*, 85(10), 1999.

Fonseca-Pereira D, et al. (2025) The metabolic sensor LKB1 regulates ILC3 homeostasis and mitochondrial function. *Cell reports*, 44(4), 115456.

Hares MF, et al. (2025) Progression of the faecal microbiome in preweaning dairy calves that develop cryptosporidiosis. *Animal microbiome*, 7(1), 3.

Kilian IC, et al. (2025) Maximizing Identification Precision of Hymenoptera and Brachycera (Diptera) With a Non-Destructive DNA Metabarcoding Approach. *Ecology and evolution*, 15(1), e70770.

Zhang YH, et al. (2025) Bacterial community composition and function in different habitats in Antarctic Fildes region revealed by high-throughput sequencing. *Frontiers in microbiology*, 16, 1524681.

Echeveste Medrano MJ, et al. (2025) Physiological Stress Response to Sulfide Exposure of Freshwater Anaerobic Methanotrophic Archaea. *Environmental science & technology*, 59(21), 10262.

Luo M, et al. (2025) Pathogenicity and host-interacting mechanisms of enterogenic *Enterobacter cancerogenus* in silkworm. *Frontiers in microbiology*, 16, 1548808.

Guo Y, et al. (2025) Two sexually compatible monokaryons from a heterokaryotic *Lentinula edodes* strain respond differently to heat stress. *Frontiers in microbiology*, 16, 1522075.

Shaughnessy CA, et al. (2025) A Cftr-independent, Ano1-rich seawater-adaptive ionocyte in sea lamprey gills. *The Journal of experimental biology*, 228(7).

Kijima ST, et al. (2025) Control of plasma membrane-associated actin polymerization specifies the pattern of the cell wall in xylem vessels. *Nature communications*, 16(1), 1921.

Lee J, et al. (2025) Unravelling the key factors for the dominance of *Leuconostoc* starters during kimchi fermentation. *NPJ science of food*, 9(1), 61.

Wu F, et al. (2025) Transcriptional analysis of *Camellia Huana* under low-phosphorus stress. *Scientific reports*, 15(1), 15796.

Zhang W-w, et al. (2025) Complete genome sequence of *Leeuwenhoekiella parthenopeia* H156, a potential carbohydrate polymer degrader isolated from tidal flat sediment in Zhejiang, China. *Microbiology resource announcements*, 14(12), e0093425.

Umezawa K, et al. (2025) Complete genome sequence of *Thiovibrio* sp. Mzg5-an anaerobic chemolithoautotroph capable of thiosulfate disproportionation. *Microbiology resource announcements*, 14(10), e0071025.

Tae IH, et al. (2025) Apoptosis-Inducing Effects of *Lactobacillus plantarum* DS0709 in Colorectal Cancer. *Journal of microbiology and biotechnology*, 35, e2504042.

Phan Van T, et al. (2025) Transcriptomic landscape of pseudorabies virus-induced encephalitis reveals key lncRNAs involved in host-neurotropic virus interactions. *Veterinary research*, 56(1), 216.

Badar A, et al. (2025) Microbiota transplantation for cotton leaf curl disease suppression-core microbiome and transcriptome dynamics. *Communications biology*, 8(1), 380.

Matsubara K, et al. (2025) Beneficial Role of Heat-Treated *Lactobacillus sakei* HS-1 on Growth Performance, Nutritional Status and Gut Microbiota in Weaned Piglets. *Journal of animal physiology and animal nutrition*, 109(2), 362.