

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: 20260808T190312+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 1664 mentions in open access literature.

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

Withatanung P, et al. (2026) Genomic diversity and clade clustering of Burkholderia pseudomallei and B. thailandensis prophages with soil-derived phages. iScience, 29(2), 114658.

Choubey P, et al. (2026) Cohesin complex cooperates with PU.1 at super-enhancers to regulate the differentiation and identity of conventional dendritic cells. Cell reports, 45(5), 117331.

Kaur H, et al. (2026) Dynamicity of Topoisomerase 1 binding at super-enhancers regulates TLR-responsive gene expression program in macrophages. Cell reports, 45(7), 117604.

Steele SE, et al. (2026) Drought-associated genes exhibit high constitutive expression in Quercus douglasii, a drought-tolerant California oak. G3 (Bethesda, Md.), 16(2).

Matsubara K, et al. (2026) Composition and nutritional role of gut microbiota on growth performance of pigs at different growth stages. The British journal of nutrition, 135(4), 361.

Hayakawa R, et al. (2026) Globular garden beet represents a distinct lineage in the domestication of Beta vulgaris. BMC plant biology, 26(1), 216.

Vazquez-Munoz R, et al. (2026) Enterococcus faecalis induces H₂O₂-mediated epithelial cell death and enhances Candida albicans virulence in oropharyngeal candidiasis. mSphere, 11(1), e0082225.

Miyatake Y, et al. (2026) A single microRNA miR-195 rescues the arrested B cell development induced by EBF1 deficiency. eLife, 13.

Adachi K, et al. (2026) New insights into the feeding behaviour of the Japanese squid Todarodes pacificus paralarvae, and a combined analysis of metagenome and amino acid isotope ratios. PloS one, 21(3), e0340579.

Chen G, et al. (2026) Integrated Analysis of Transcriptome and Metabolome Reveals Metabolite Biosynthesis in Pigmented Potatoes. International journal of molecular sciences, 27(6).

Liang Q, et al. (2026) Effect of the antimicrobial peptide BmKn2-7 in inhibiting *Vibrio parahaemolyticus* and its role in improving microbiota, immunity and *Vibrio* resistance in *Litopenaeus vannamei*. BMC veterinary research, 22(1).

Tang W, et al. (2026) Transcriptome and metabolome profiling uncover phenotypic divergence of gigantic and dwarf mutant genotypes in induced Pakchoi autotetraploids. BMC plant biology, 26(1).

Peterse IF, et al. (2026) Robust ammonia oxidation by "Candidatus Nitrosacidococcus tergens" across a broad pH range. mBio, 17(5), e0297525.

Lepak A, et al. (2026) Evaluation of an in vivo pulmonary aspergillosis model for triazole susceptibility breakpoint development. Antimicrobial agents and chemotherapy, 70(3), e0164325.

Kurmangali D, et al. (2026) High-quality draft genome sequence data of *Levilactobacillus brevis* 3LB isolated from fermented milk koumiss. Data in brief, 67, 112985.

Beletsky AV, et al. (2026) Complete genome sequence of the wine strain *Saccharomyces cerevisiae* I-25 isolated from Cabernet Sauvignon sediment. Microbiology resource announcements, 15(2), e0122825.

Lim JH, et al. (2026) Personalized pharmacokinetic-pharmacodynamic guided therapy via an induced pluripotent stem cell-derived multi-organoid platform in NF1-mutant breast cancer. Signal transduction and targeted therapy, 11(1).

Jia S, et al. (2026) Identification of CYP450 Family Members and Their Gonadal Expression Profiles in *Exopalaemon carinicauda*. Animals : an open access journal from MDPI, 16(8).

Begmatov S, et al. (2026) Plasmids of the multidrug-resistant *Citrobacter portucalensis* KOS1-1 strain isolated from a wastewater treatment plant harbor antibiotic resistance genes and gene clusters involved in carbon metabolism. Microbiology spectrum, 14(3), e0203825.

Sheng Q, et al. (2026) Silicate minerals enhance the expression of genes related to mineral dissolution by *Priestia aryabhattai* strain C4-10. Applied and environmental microbiology, 92(2), e0255425.