

# Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](http://FDI Lab - SciCrunch.org) on Apr 3, 2025

## Trimmomatic

RRID:SCR\_011848

Type: Tool

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### Proper Citation

Trimmomatic (RRID:SCR\_011848)

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### Resource Information

**URL:** <http://www.usadellab.org/cms/index.php?page=trimmomatic>

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**Description:** Software Java pipeline for trimming tasks for Illumina paired end and single ended data. Flexible Trimmer for Illumina Sequence Data. Pair aware preprocessing tool optimized for Illumina next generation sequencing data. Includes several processing steps for read trimming and filtering. Operating systems Unix/Linux, Mac OS, Windows.

**Abbreviations:** Trimmomatic

**Synonyms:** Trimmomatic v 0.32

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

**Defining Citation:** [PMID:24695404](https://pubmed.ncbi.nlm.nih.gov/24695404/), [DOI:10.1093/bioinformatics/btu170](https://doi.org/10.1093/bioinformatics/btu170)

**Keywords:** trimming, task, paired, end, single, data, next, generation, sequencing, filtering, bio.tools

**Funding:** BLE/BMELV Verbundprojekt ;  
BMBF

**Availability:** Free, Available for download, Freely available

**Resource Name:** Trimmomatic

**Resource ID:** SCR\_011848

**Alternate IDs:** biotools:trimmomatic, OMICS\_01097

**Alternate URLs:** <https://omictools.com/trimmomatic-tool>, <https://bio.tools/trimmomatic>, <https://sources.debian.org/src/trimmomatic/>

**License:** GNU General Public License version 3.0

**Record Creation Time:** 20220129T080307+0000

**Record Last Update:** 20250403T060855+0000

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## Ratings and Alerts

No rating or validation information has been found for Trimmomatic.

No alerts have been found for Trimmomatic.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 17446 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](#).

Wang Z, et al. (2025) A high-quality assembly revealing the PMEL gene for the unique plumage phenotype in Liancheng ducks. *GigaScience*, 14.

Al-Mamun HA, et al. (2025) Exploring genomic feature selection: A comparative analysis of GWAS and machine learning algorithms in a large-scale soybean dataset. *The plant genome*, 18(1), e20503.

Norton AM, et al. (2025) Deformed wing virus genotypes A and B do not elicit immunologically different responses in naïve honey bee hosts. *Insect molecular biology*, 34(1), 33.

Kelley M, et al. (2025) Tyrosine transfer RNA levels and modifications during blood-feeding and vitellogenesis in the mosquito, *Aedes aegypti*. *Insect molecular biology*, 34(1), 65.

Lee ES, et al. (2025) N-6-methyladenosine (m6A) promotes the nuclear retention of mRNAs with intact 5' splice site motifs. *Life science alliance*, 8(2).

Robinson LR, et al. (2025) Re-visiting the potential impact of doxycycline post-exposure prophylaxis (doxy-PEP) on the selection of doxycycline resistance in *Neisseria commensals*.

bioRxiv : the preprint server for biology.

Ni M, et al. (2025) Epigenetic phase variation in the gut microbiome enhances bacterial adaptation. bioRxiv : the preprint server for biology.

Zou X, et al. (2025) Chromosome-level genome assembly of the pine wood nematode carrier *Arhopalus unicolor*. *Scientific data*, 12(1), 111.

Kawasumi R, et al. (2025) Systemic administration of induced pluripotent stem cell-derived mesenchymal stem cells improves cardiac function through extracellular vesicle-mediated tissue repair in a rat model of ischemic cardiomyopathy. *Regenerative therapy*, 28, 253.

Cerqueira de Araujo A, et al. (2025) Genome sequences of four *Ixodes* species expands understanding of tick evolution. *BMC biology*, 23(1), 17.

Arce-Aceves MF, et al. (2025) Fitness costs of *Mycobacterium tuberculosis* resistant to rifampicin is compensated by rapid Th2 polarization mediated by early and high IL-4 production during mice infection. *Scientific reports*, 15(1), 2811.

Lim B, et al. (2025) Cell deconvolution-based integrated time-series network of whole blood transcriptome reveals systemic antiviral activities and cell-specific immunological changes against PRRSV infection. *Veterinary research*, 56(1), 19.

Fernández L, et al. (2025) Multipronged impact of environmental temperature on *Staphylococcus aureus* infection by phage Kayvirus rodi: Implications for biofilm control. *Biofilm*, 9, 100248.

Miyazaki T, et al. (2025) Mechanisms of multidrug resistance caused by an *Ipi1* mutation in the fungal pathogen *Candida glabrata*. *Nature communications*, 16(1), 1023.

Feng C, et al. (2025) Electroacupuncture Alleviates Neuropathic Pain and Negative Emotion in Mice by Regulating Gut Microbiota. *Journal of pain research*, 18, 341.

Shan M, et al. (2025) Significance of *KLK7* expression, polymorphisms, and function in sheep horn growth. *BMC genomics*, 26(1), 78.

Wu Y, et al. (2025) Characterization of the Phosphotransferase from *Bacillus subtilis* 1101 That Is Responsible for the Biotransformation of Zearalenone. *Toxins*, 17(1).

Ma R, et al. (2025) *NKp46* enhances type 1 innate lymphoid cell proliferation and function and anti-acute myeloid leukemia activity. *Nature communications*, 16(1), 989.

Tu W, et al. (2025) Investigation of the Molecular Mechanism of Asthma in Meishan Pigs Using Multi-Omics Analysis. *Animals : an open access journal from MDPI*, 15(2).

Debat H, et al. (2025) RNA Virus Discovery Sheds Light on the Virome of a Major Vineyard Pest, the European Grapevine Moth (*Lobesia botrana*). *Viruses*, 17(1).