

Resource Summary Report

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Trimmomatic

RRID:SCR_011848

Type: Tool

Proper Citation

Trimmomatic (RRID:SCR_011848)

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 resource, software application, data processing software

Defining Citation: [PMID:24695404](#), [DOI:10.1093/bioinformatics/btu170](#)

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

Funding: BLE/BMELV Verbundprojekt ;
BMBF

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: 20260731T042840+0000

Ratings and Alerts

No rating or validation information has been found for Trimmomatic.

No alerts have been found for Trimmomatic.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 21028 mentions in open access literature.

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

Cappadona C, et al. (2026) Multi-omics identifies oxidative stress, prothrombotic pathways, and lactoperoxidase variants as key factors in COVID-19 severity. EBioMedicine, 123, 106111.

Lee D, et al. (2026) Microglial VRK2 Regulates Astrocytic GABA Synthesis and Tonic Inhibition in the Thalamus. Glia, 74(1), e70101.

Angélica Maya M, et al. (2026) Adenovirus Genotypes Associated With Severe Acute Respiratory Infections Outbreak in Children, in Antioquia, Colombia, 2022-2023. The Pediatric infectious disease journal, 45(2), 112.

Choi D, et al. (2026) Bivalent Histone Modifications Orchestrate Temporal Regulation of Glucosinolate Biosynthesis During Wound-Induced Stress Responses in Arabidopsis. Plant, cell & environment, 49(1), 450.

Pan T, et al. (2026) MEN1 Promotes Ferroptosis by Disrupting CD44 Alternative Splicing to Suppress Lung Cancer. Cancer research, 86(1), 146.

Xu L, et al. (2026) Transcriptome and metabolite profiling reveals the mechanism of hepatic lipid metabolism during fasting in chicken. Animal bioscience, 39(1), 250014.

Tseduliak V-M, et al. (2026) Probing the function of Streptomyces albidoflavus J1074 gene XNR_5296 for SPOUT family ribose methyltransferase. Microbiology spectrum, 14(1), e0219225.

Lima Cunha W, et al. (2026) Molecular mechanisms associated with rootstock-scion interactions in rubber trees. The plant genome, 19(1), e70147.

Ma T, et al. (2026) CircaAASS alleviates renal injury and fibrosis by regulating mitochondrial homeostasis in tubular epithelial cells. Autophagy, 22(1), 182.

- Huang X, et al. (2026) Microbial succession in human tissues postmortem: insights from 2bRAD-M sequencing. *Microbiology spectrum*, 14(1), e0266624.
- Sankar V, et al. (2026) Genetic elements promote retention of extrachromosomal DNA in cancer cells. *Nature*, 649(8095), 152.
- Xiao L, et al. (2026) TWEAK modulates the characteristics of periodontal ligament stem cells via the Fn14/NF- κ B pathway. *International journal of molecular medicine*, 57(1).
- Kim J, et al. (2026) Selective inhibition of long isoforms of phosphodiesterase 4D mitigates liver fibrosis in mouse models. *The Journal of clinical investigation*, 136(1).
- Kim CY, et al. (2026) Integrative multi-omics of matched primary and liver metastatic colorectal cancer organoids identifies putative molecular targets. *Translational oncology*, 63, 102592.
- Chen Z, et al. (2026) Ryegrass improves carcass trait of meat geese effects of dietary ryegrass supplementation on growth performance, carcass traits, and gut microbiota in meat geese. *Poultry science*, 105(1), 106035.
- Hung CL, et al. (2026) Oral bioavailable ITRI-148 degrades androgen receptor variants and overcomes antiandrogen resistance in advanced prostate cancer. *Neoplasia (New York, N.Y.)*, 71, 101253.
- Tao M, et al. (2026) Enhancer-mediated NR2F2 recruitment activates BGN to promote tumor growth and shape tumor microenvironment in papillary thyroid cancer. *Theranostics*, 16(1), 298.
- Sebastian PJ, et al. (2026) Apparent expansion of virulent *Vibrio parahaemolyticus* in humans and sea otters. *Virulence*, 17(1), 2603698.
- Li Y, et al. (2026) A machine-learning informed circulating microbial DNA signature for early diagnosis of esophageal adenocarcinoma. *Gut microbes*, 18(1), 2604334.
- Al-Ahmadi W, et al. (2026) Spaceflight alters molecular networks linked to diverse human diseases in a single cellular model. *Science advances*, 12(1), eadw7832.