

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: data processing software, software application, software resource

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: 20260829T182854+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 23444 mentions in open access literature.

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

Sakrepatna Nagaraj A, et al. (2026) Ex Vivo Immuno-Oncology Platform Reveals Spatial T-cell Infiltration Patterns Linked to ATR Inhibition Responses in High-Grade Serous Ovarian Cancer. *Cancer immunology research*, 14(4), 625.

Liu YY, et al. (2026) Assessing whether rectal swabs reflect appendiceal microbiota profiles in acute appendicitis: a 16S rRNA-based comparative study. *Gut pathogens*, 18(1), 10.

Swancutt KL, et al. (2026) Immune Stromal Components Impede Biological Effectiveness of Carbon Ion Therapy in a Preclinical Model of Pancreatic Ductal Adenocarcinoma. *Molecular cancer therapeutics*, 25(2), 333.

Valentín López JC, et al. (2026) Evolution of AR and Non-AR Alterations in ctDNA of Patients with Metastatic Prostate Cancer Treated in the Phase III Alliance A031201 Trial. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 32(12), 2413.

Mao C, et al. (2026) Chromosome-level genome assembly and transcriptomes of the leaf insect *Cryptophyllum westwoodii* provide insights into the evolution of leaf-like masquerade. *GigaScience*, 15.

Schmitt AM, et al. (2026) Spatially-resolved subtype progression reveals metabolic vulnerabilities in pancreatic ductal adenocarcinoma. *Molecular cancer*, 25(1).

Wang J, et al. (2026) Tumor-Resident *Streptococcus pneumoniae* Promotes Malignant Progression and Pazopanib Resistance in Clear Cell Renal Cell Carcinoma. *Cancer research*, 86(9), 2237.

Adams NM, et al. (2026) Chromatin-mediated anticipatory control of type I interferon production in plasmacytoid dendritic cells. *Immunity*, 59(2), 270.

Mao X, et al. (2026) Cytoplasmic mRNA decay by the antiviral nuclease RNase L promotes transcriptional repression. *Cell reports*, 45(3), 117028.

Yang Y, et al. (2026) PET/CT-Guided Neoadjuvant Tislelizumab plus Chemotherapy/Chemoradiotherapy for Resectable Esophageal Squamous Cell Carcinoma: RATIONALE-213 Final Analysis. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 32(10), 1995.

Kim J, et al. (2026) Electromagnetic field-inducible in vivo gene switch for remote spatiotemporal control of gene expression. *Cell*, 189(11), 3465.

Nakajo S, et al. (2026) Hypoxic CAF studies unveil PTHrP?vitamin D?RAS axis as pivotal in the CAF. *Oncology reports*, 55(6).

Lyu P, et al. (2026) Genetic variation reveals a homeotic long noncoding RNA that modulates human hematopoietic stem cells. *Cell*, 189(13), 4022.

Kryeziu K, et al. (2026) Patient-derived organoids from metastatic colorectal cancer mirror tumor heterogeneity and predict patient survival and drug sensitivity. *Cell reports. Medicine*, 7(6), 102840.

Wolczyk M, et al. (2026) 5'-Triphosphate guanosine RNAs recruit GTP-binding proteins to suppress RIG-I/IFN type I signaling. *Molecular cell*, 86(11), 2124.

Preston R, et al. (2026) Accelerated basement membrane remodeling and serum matrix fragments as biomarkers of fibrosis in Alport syndrome. *Cell reports*, 45(5), 117356.

Denis H, et al. (2026) Contrasting population structures of reef-building corals and their algal symbionts inform adaptive potential across the western Pacific. *Current biology : CB*, 36(11), 2808.

Fahmy AM, et al. (2026) STING dampens the unfolded protein response to enable the presentation of self-antigens on MHC-I during inflammation. *Cell reports*, 45(6), 117497.

Sinha A, et al. (2026) Astrocytic Regulation of Aberrant Perineuronal Net Formation in *Mecp2*-Null Neocortex. *Journal of neurochemistry*, 170(6), e70503.

Park J, et al. (2026) Innate immune priming by n-dodecyl-?-D-maltoside in murine models of bacterial and viral infection. *EBioMedicine*, 124, 106143.