

Resource Summary Report

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Maq

RRID:SCR_005485

Type: Tool

Proper Citation

Maq (RRID:SCR_005485)

Resource Information

URL: <http://maq.sourceforge.net/>

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Description: A set of programs that map and assemble fixed-length Solexa/SOLiD reads in a fast and accurate way.

Abbreviations: Maq

Synonyms: mapass2, Mapping and Assembly with Quality, Mapping and Assembly with Qualities, Maq: Mapping and Assembly with Qualities

Resource Type: software resource

Defining Citation: [DOI:10.1101/gr.078212.108](https://doi.org/10.1101/gr.078212.108)

Keywords: command-line, curses/ncurses, opengl, c, c++, perl, bio.tools

Availability: GNU General Public License, v2

Resource Name: Maq

Resource ID: SCR_005485

Alternate IDs: biotools:maq, OMICS_00668

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

Record Creation Time: 20220129T080230+0000

Record Last Update: 20260801T190259+0000

Ratings and Alerts

No rating or validation information has been found for Maq.

No alerts have been found for Maq.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 69 mentions in open access literature.

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

Wu Y, et al. (2025) Integrated metagenomic and metabolomic analysis reveals microbial metabolite interactions involved in the quality formation of Codonopsis Radix. Scientific reports, 15(1), 40278.

Meng Y, et al. (2025) Research on the mining of candidate genes for pepper fruit color and development of SNP markers based on SLAF-seq technology. Scientific reports, 15(1), 11392.

Chen XH, et al. (2025) YTHDF3 recognizes DNA N6-methyladenine and recruits ALKBH1 for 6mA removal from genomic DNA. The EMBO journal, 44(17), 4899.

Xing Y, et al. (2024) Multi-omics approach to improve patient-tailored therapy using immune checkpoint blockade and cytokine-induced killer cell infusion in an elderly patient with lung cancer: A case report and literature review. Oncology letters, 27(5), 203.

Shi M, et al. (2024) Genetic and microenvironmental evolution of colorectal liver metastases under chemotherapy. Cell reports. Medicine, 5(12), 101838.

Armani-Tourret M, et al. (2024) Selection of epigenetically privileged HIV-1 proviruses during treatment with panobinostat and interferon- α . Cell, 187(5), 1238.

You S, et al. (2024) Thermal acclimation uncovers a simple genetic basis of adaptation to high temperature in a cosmopolitan pest. iScience, 27(3), 109242.

Han S, et al. (2023) Whole-genome sequencing analysis of suicide deaths integrating brain-regulatory eQTLs data to identify risk loci and genes. Molecular psychiatry, 28(9), 3909.

Lian X, et al. (2023) Progressive transformation of the HIV-1 reservoir cell profile over two decades of antiviral therapy. Cell host & microbe, 31(1), 83.

Liu Z, et al. (2023) Absence of Lugol staining indicates initiation of esophageal squamous cell carcinoma: A combined genomic and epidemiologic study. Cell reports. Medicine, 4(9), 101168.

Kamata T, et al. (2022) Statins mediate anti- and pro-tumourigenic functions by remodelling the tumour microenvironment. *Disease models & mechanisms*, 15(2).

Einkauf KB, et al. (2022) Parallel analysis of transcription, integration, and sequence of single HIV-1 proviruses. *Cell*, 185(2), 266.

Han X, et al. (2021) Targeted sequencing of NOTCH signaling pathway genes and association analysis of variants correlated with mandibular prognathism. *Head & face medicine*, 17(1), 17.

Nin DS, et al. (2021) GAGE mediates radio resistance in cervical cancers via the regulation of chromatin accessibility. *Cell reports*, 36(9), 109621.

Kotsantis P, et al. (2020) RTEL1 Regulates G4/R-Loops to Avert Replication-Transcription Collisions. *Cell reports*, 33(12), 108546.

Wong LL, et al. (2020) Skim-Sequencing Based Genotyping Reveals Genetic Divergence of the Wild and Domesticated Population of Black Tiger Shrimp (*Penaeus monodon*) in the Indo-Pacific Region. *Biology*, 9(9).

Rother N, et al. (2020) Hydroxychloroquine Inhibits the Trained Innate Immune Response to Interferons. *Cell reports. Medicine*, 1(9), 100146.

Nabet BY, et al. (2020) Noninvasive Early Identification of Therapeutic Benefit from Immune Checkpoint Inhibition. *Cell*, 183(2), 363.

Iparraguirre L, et al. (2020) Whole-Transcriptome Analysis in Peripheral Blood Mononuclear Cells from Patients with Lipid-Specific Oligoclonal IgM Band Characterization Reveals Two Circular RNAs and Two Linear RNAs as Biomarkers of Highly Active Disease. *Biomedicines*, 8(12).

Yang W, et al. (2019) Immunogenic neoantigens derived from gene fusions stimulate T cell responses. *Nature medicine*, 25(5), 767.