Resource Summary Report

Generated by SPARC SAWG on Aug 2, 2026

Kraken

RRID:SCR_005484
Type: Tool

Proper Citation

Kraken (RRID:SCR_005484)

Resource Information

URL: http://www.ebi.ac.uk/research/enright/software/kraken

Proper Citation: Kraken (RRID:SCR_005484)

Description: A set of software tools (Reaper, Tally and Sequence Imp) designed to streamline the analysis of next-generation sequencing data. Although designed with small RNA sequence analysis in mind the tools can be used to address issues facing next-generation sequencing in general.

Abbreviations: Kraken

Synonyms: Kraken: A set of tools for quality control and analysis of high-throughput sequence data

Resource Type: software resource

Defining Citation: PMID:23816787

Keywords: adapter trimming, algorithm, next-generation sequencing, pipeline, rnaseq, sequencing

Availability: Apache License

Resource Name: Kraken

Resource ID: SCR_005484

Alternate IDs: OMICS_01057

Record Creation Time: 20220129T080230+0000

Record Last Update: 20260801T190254+0000

Ratings and Alerts

No rating or validation information has been found for Kraken.

No alerts have been found for Kraken.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1711 mentions in open access literature.

Listed below are recent publications. The full list is available at SPARC SAWG .

Buiatte ABG, et al. (2026) Genomic epidemiology reveals statewide dispersal of clinical Shiga toxin-producing Escherichia coli and their antimicrobial resistome. Microbiology spectrum, 14(1), e0095625.

Li Y, et al. (2026) A machine-learning informed circulating microbial DNA signature for early diagnosis of esophageal adenocarcinoma. Gut microbes, 18(1), 2604334.

Visser M, et al. (2026) Neisseria gonorrhoeae Sequence Types During an Increase of Gonorrhea Among Young Women in 2022 and 2023 in the Netherlands. Open forum infectious diseases, 13(1), ofaf767.

Dockman RL, et al. (2026) Improved chromosome-level genome assembly of the American cockroach, Periplaneta americana. G3 (Bethesda, Md.), 16(1).

Sia CM, et al. (2025) Distinct adaptation and epidemiological success of different genotypes within Salmonella enterica serovar Dublin. eLife, 13.

Villette R, et al. (2025) Human gut microbiome gene co-expression network reveals a loss in taxonomic and functional diversity in Parkinson's disease. NPJ biofilms and microbiomes, 11(1), 142.

Durán-Fuentes JA, et al. (2025) Repeatome diversity in sea anemone genomics (Cnidaria: Actiniaria) based on the Actiniaria-REPlib library. BMC genomics, 26(1), 473.

Li W, et al. (2025) Benchmarking and optimizing qualitative and quantitative pipelines in environmental metatranscriptomics using mixture controlling experiments. ISME communications, 5(1), ycaf090.

Roush SM, et al. (2025) Shared genomic features of HIV+ diffuse large B-cell lymphoma in two African cohorts. Scientific reports, 15(1), 24599.

Villette R, et al. (2025) Integrated multi-omics highlights alterations of gut microbiome functions in prodromal and idiopathic Parkinson's disease. Microbiome, 13(1), 200.

Chen H, et al. (2025) Distinctive circulating microbial metagenomic signatures in the plasma of patients with lung cancer and their potential value as molecular biomarkers.

Journal of translational medicine, 23(1), 186.

Tong L, et al. (2025) AAV1.NT3 gene therapy mitigates the severity of autoimmune encephalomyelitis in the mouse model for multiple sclerosis. Gene therapy, 32(4), 410.

Qu EB, et al. (2025) Intraspecies associations from strain-rich metagenome samples. bioRxiv : the preprint server for biology.

Soni J, et al. (2025) Protocol for investigating intracellular microbial diversity using single-cell RNA-seq in immune cells of SARS-CoV-2-positive and recovered patients. STAR protocols, 6(1), 103546.

Wang X, et al. (2025) Gut-liver translocation of pathogen Klebsiella pneumoniae promotes hepatocellular carcinoma in mice. Nature microbiology, 10(1), 169.

Yao H, et al. (2025) Gut Microbiota-Mediated hsa_circ_0126925 Targets BCAA Metabolic Enzyme BCAT2 to Exacerbate Colorectal Cancer Progression. Molecular cancer research : MCR, 23(3), 202.

Steele K, et al. (2025) Thousands of trait-specific KASP markers designed for diverse breeding applications in rice (Oryza sativa). G3 (Bethesda, Md.), 15(1).

Boyko AV, et al. (2025) Some molecular aspects of larval development in Paralithodes camtschaticus. PloS one, 20(4), e0322234.

Nenasheva N, et al. (2025) Annotation of protein-coding genes in 49 diatom genomes from the Bacillariophyta clade. Scientific data, 12(1), 985.

Cao J, et al. (2025) Characteristics and Clinical Significance of Gut Microbiota in Patients with Invasive Pulmonary Aspergillosis. Polish journal of microbiology, 74(2), 131.