Resource Summary Report

Generated by RRID on May 5, 2025

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

Funding:

Availability: Apache License

Resource Name: Kraken

Resource ID: SCR_005484

Alternate IDs: OMICS_01057

Record Creation Time: 20220129T080230+0000

Record Last Update: 20250420T014253+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 1456 mentions in open access literature.

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

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).

Dawson RA, et al. (2025) Carbon monoxide-oxidising Pseudomonadota on volcanic deposits. Environmental microbiome, 20(1), 12.

Morey-León G, et al. (2025) Global epidemiology of Mycobacterium tuberculosis lineage 4 insights from Ecuadorian genomic data. Scientific reports, 15(1), 3823.

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

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.

Peng Q, et al. (2025) Modeling bacterial interactions uncovers the importance of outliers in the coastal lignin-degrading consortium. Nature communications, 16(1), 639.

Zamunér CFC, et al. (2025) Evolution and spread of Xanthomonas citri subsp. citri in the São Paulo, Brazil, citrus belt inferred from 758 novel genomes. Microbial genomics, 11(1).

Ramanauskas K, et al. (2025) Rapid detection of RNase-based self-incompatibility in Lysimachia monelli (Primulaceae). American journal of botany, 112(1), e16449.

Bogaerts B, et al. (2025) Galaxy @Sciensano: a comprehensive bioinformatics portal for genomics-based microbial typing, characterization, and outbreak detection. BMC genomics, 26(1), 20.

Castelo-Branco R, et al. (2025) Genome-informed Discovery of Monchicamides A-K: Cyanobactins from the Microcoleaceae Cyanobacterium LEGE 16532. Journal of natural products, 88(1), 86.

Olson N, et al. (2025) Farm-to-fork changes in poultry microbiomes and resistomes in Maputo City, Mozambique. mSystems, 10(1), e0103724.

Olani A, et al. (2025) Identification of Bacillus anthracis Strains from Animal Cases in Ethiopia and Genetic Characterization by Whole-Genome Sequencing. Pathogens (Basel, Switzerland), 14(1).

Liu L, et al. (2025) Associations of alcohol intake with gut microbiome: a prospective study in a predominantly low-income Black/African American population. The American journal of clinical nutrition, 121(1), 134.

Men Z, et al. (2025) Clinical relevance of lung microbiota composition in critically ill children with acute lower respiratory tract infections: insights from a retrospective analysis of metagenomic sequencing. European journal of clinical microbiology & infectious diseases : official publication of the European Society of Clinical Microbiology, 44(1), 83.

You H, et al. (2025) Unravelling distinct patterns of metagenomic surveillance and respiratory microbiota between two P1 genotypes of Mycoplasma pneumoniae. Emerging microbes & infections, 14(1), 2449087.

Hassan AM, et al. (2025) Ongoing Evolution of Middle East Respiratory Syndrome Coronavirus, Saudi Arabia, 2023-2024. Emerging infectious diseases, 31(1), 57.

Kashchenko G, et al. (2025) Investigating Aerobic Hive Microflora: Role of Surface Microbiome of Apis Mellifera. Biology, 14(1).

Tambassi M, et al. (2025) Salmonella pathogenicity Island 1 undergoes decay in serovars adapted to swine and poultry. Microbiology spectrum, 13(1), e0264324.

Shigapov R, et al. (2025) MBI-KG: A knowledge graph of structured and linked economic research data extracted from the 1937 book "Die Maschinen-Industrie im Deutschen Reich". Data in brief, 58, 111238.

Benitez AJ, et al. (2025) Antibiotic exposure is associated with minimal gut microbiome perturbations in healthy term infants. Microbiome, 13(1), 21.