

Resource Summary Report

Generated by [Kravitz](#) on Sep 17, 2026

[kraken2](#)

RRID:SCR_026838

Type: Tool

Proper Citation

kraken2 (RRID:SCR_026838)

Resource Information

URL: <https://github.com/DerrickWood/kraken2>

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Description: Software tool as second version of Kraken taxonomic sequence classification system.

Resource Type: software application, software resource, source code

Defining Citation: [PMID:31779668](#)

Keywords: taxonomic sequence classification system, taxonomic, sequence, classification system,

Funding: NIGMS R01 GM118568;
NIGMS R35 GM130151;
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Availability: Free, Available for download, Freely available

Resource Name: kraken2

Resource ID: SCR_026838

License: MIT license

Record Creation Time: 20250424T064808+0000

Record Last Update: 20260912T200513+0000

Ratings and Alerts

No rating or validation information has been found for kraken2.

No alerts have been found for kraken2.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1421 mentions in open access literature.

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

Zhou Z, et al. (2026) Integrative analysis of the mouse cecal microbiome across diet, age, and weight in the diverse BXD population. *Microbiome*, 14(1).

Yun Y, et al. (2026) Gut microbiome plasticity explains the altitudinal distribution pattern and adaptability in a small mammal species (*Apodemus draco*). *Microbiology spectrum*, 14(1), e0238825.

Stahl S, et al. (2026) Aging of the adaptive immune system affects the gut microbiome and systemic levels of vitamin B6. *Microbiome*, 14(1).

Gao J, et al. (2026) Characterization of telomere-related gene subtypes in lung adenocarcinoma and their implications for prognosis and treatment. *Discover oncology*, 17(1).

Rodríguez MM, et al. (2026) Assessment of water quality and microbial contamination in Santa Marta's major rivers using conventional methods and next-generation sequencing. *Environmental science and pollution research international*, 33(17), 8335.

Guimarães LO, et al. (2026) *Wyeomyia confusa* Lispivirus (WcLispV-SP): a novel neotropical mosquito virus in the Lispiviridae family. *Archives of virology*, 171(6).

Liu Z, et al. (2026) Dietary regulation on gut resistome linked with microbial amino acid metabolism in pigs. *Animal microbiome*, 8(1).

Dain Marzouka NA, et al. (2026) A genomic approach for accurate identification of closely related species with next-generation sequencing samples. *Scientific reports*, 16(1).

Wang X, et al. (2026) Comparative genomic and resistance characterization of ST2 and ST164 carbapenem-resistant *Acinetobacter baumannii* from hospital environments and clinical specimens. *Microbial genomics*, 12(4).

Mahnert A, et al. (2026) Cultivation and molecular profiling reveal ammonia-oxidizing archaea as skin commensals. *The ISME journal*, 20(1).

Huang C, et al. (2026) Diabetes affects the composition of the respiratory tract microbiome and transcriptome in patients with viral pneumonia. *Microbiology spectrum*, 14(5), e0191125.

Peña-Valencia MF, et al. (2026) Lignocellulose-mediated selection of potential halophilic PET-degrading enzymes from mangrove soil. *Nature communications*, 17(1).

Brangsch H, et al. (2026) Genome characteristics and type IV effector protein repertoire of *Coxiella burnetii* depend rather on Genomic Groups than on host species. *BMC microbiology*, 26(1).

Ip YCA, et al. (2026) Fast, Flexible, Feasible: A Transparent Framework for Evaluating eDNA Workflow Trade-Offs in Resource-Limited Settings. *Molecular ecology resources*, 26(1), e70091.

Sparagon WJ, et al. (2026) Soil Resistomes in a Tropical Watershed are Indirectly Structured by Bacterial Community Interactions with Soil Properties. *bioRxiv : the preprint server for biology*.

Bassiouny M, et al. (2026) Genomic Characterisation of Antimicrobial Resistance and Virulence of Animal-Derived *Klebsiella pneumoniae* Isolates from Germany, and Description of a Hypervirulent Strain. *Antibiotics (Basel, Switzerland)*, 15(6).

Yang Z, et al. (2026) Long-Term Application of Fermented Fertilizer Attenuates the Accumulation of Antibiotic Resistance Genes in Aquaculture Sediment. *Microorganisms*, 14(6).

Lee S, et al. (2026) Broad-spectrum antifungal activity and genome-guided characterization of *Paenibacillus polymyxa* CACC1094 isolated from the bovine rumen. *PloS one*, 21(6), e0350885.

Sun Y, et al. (2026) The impact of the timing of mNGS-guided antibiotic adjustment on clinical outcomes in ICU patients with severe community-acquired pneumonia: a retrospective study. *Annals of clinical microbiology and antimicrobials*, 25(1), 12.

Orr RJS, et al. (2026) Spatial and temporal patterns of public transit aerobiomes. *Microbiome*, 14(1), 64.