

Resource Summary Report

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QUAST

RRID:SCR_001228

Type: Tool

Proper Citation

QUAST (RRID:SCR_001228)

Resource Information

URL: <http://bioinf.spbau.ru/quast>

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Description: Quality assessment software tool for evaluating and comparing genome assemblies. It works both with and without a given reference genome. It produces many reports, summary tables and plots.

Abbreviations: QUAST

Synonyms: QUAST: Quality Assessment Tool for Genome Assemblies

Resource Type: software resource

Defining Citation: [PMID:23422339](#)

Keywords: genome assembly, genomics, bio.tools

Resource Name: QUAST

Resource ID: SCR_001228

Alternate IDs: biotools:quast, OMICS_02115

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

Record Creation Time: 20220129T080206+0000

Record Last Update: 20260815T182203+0000

Ratings and Alerts

No rating or validation information has been found for QUAST.

No alerts have been found for QUASt.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3293 mentions in open access literature.

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

Nawae W, et al. (2026) Genome Assembly of Three Shrub Mangroves in the Genus *Acanthus* Reveals Two Polyploidy Events and Expansion of Genes Linked to Root Adaptation in Coastal Habitats. *GigaScience*, 15.

Barel M, et al. (2026) Colistin and Biofilm-Related Genes of Positive *Escherichia coli* O157:H7 in Cattle (*Bos taurus*) Carcasses Antibiotic Resistance Profiles, Biofilm and Molecular Characterisation of Isolates. *Veterinary medicine and science*, 12(1), e70730.

van Dam F, et al. (2026) Active methylotrophic methanogenesis by a microbial consortium enriched from a terrestrial meteorite impact crater. *mBio*, 17(1), e0301725.

Wong ELY, et al. (2026) Historical comparative genomics to track the evolution of fungal pathogens: a proof of concept. *BMC genomics*, 27(1), 164.

Duran Ramirez JM, et al. (2026) Genomics reveal *Staphylococcus aureus* persists during long-term urinary catheterization despite antimicrobial therapy and catheter exchanges. *Nature communications*, 17(1), 1328.

Brown A, et al. (2026) Brownotate, a Comprehensive Solution to Generate Protein Sequence Databases for Any Species. *Proteomics*, 26(5), 13.

Choudhury ST, et al. (2026) Genomic variants distinguish *Pseudomonas aeruginosa* from cystic fibrosis sputum and bloodstream infection. *BMC infectious diseases*, 26(1), 243.

Ballare KM, et al. (2026) Genome assemblies of two bumble bee species: *Bombus sonorus* and *Bombus vosnesenskii*. *The Journal of heredity*, 117(3), 611.

Kirkland C, et al. (2026) Chromosome-Level Genomics and Historical Museum Collections Reveal New Insights Into the Population Structure and Chromosome Evolution of Waterbuck. *Molecular ecology*, 35(1), e70218.

Gunasekaran D, et al. (2026) Characterizing a Novel *Symbiobacterium purcellii* MEX Strain at the Early Stages of Establishing a Symbiotic Relationship. *Genome biology and evolution*, 18(1).

Meléndez-Carmona MÁ, et al. (2026) Genomic profile of extraintestinal pathogenic *Escherichia coli* isolates from prosthetic joint infections: The search for molecular fingerprints. *Virulence*, 17(1), 2613491.

Klaas C, et al. (2026) A One Health comparative genomic assessment of antimicrobial-resistant *Escherichia coli* in dairy farms in western Canada. *Applied and environmental microbiology*, 92(2), e0190525.

Bashir HH, et al. (2026) Substrate Specificity and Immunological Implications of *Cutibacterium acnes* Phage Endolysins. *Journal of microbiology and biotechnology*, 36, e2509038.

Jiang S, et al. (2026) Cross-sectoral sharing of CTX-M-producing *Escherichia coli*: a One Health analysis to understand dissemination modes. *Microbiology spectrum*, 14(4), e0355125.

Pathomchai-Umporn C, et al. (2026) Genetic diversity, serotype, and antimicrobial profiles of *Riemerella anatipestifer* isolated from ducks and chickens in Thailand. *Poultry science*, 105(4), 106575.

Pickering AC, et al. (2026) Bacterial metabolic remodeling by convergent evolution unlocks nutrient availability after a host switch. *Science advances*, 12(6), eadw9419.

Sabry H, et al. (2026) Phage vB_AbaM_MU1 for biocontrol of carbapenem-resistant *Acinetobacter baumannii* (CRAB) isolated from wound infection. *Virology journal*, 23(1).

Tomé LMR, et al. (2026) Emergence of *Candida* (*Candidozyma*) *auris* in Minas Gerais, Brazil: Genomic Surveillance to Guide Rapid Public Health Responses. *Mycoses*, 69(2), e70146.

Pettersen KS, et al. (2026) Genomic insights into *Campylobacter jejuni* from Norwegian broilers: high genetic diversity and limited persistence on farms. *BMC microbiology*, 26(1).

van Engelen E, et al. (2026) *Campylobacter bilis* caused spotty liver syndrome in laying hens in the Netherlands. *The veterinary quarterly*, 46(1), 2628724.