

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 6, 2026

CARD

RRID:SCR_023995

Type: Tool

Proper Citation

CARD (RRID:SCR_023995)

Resource Information

URL: <https://card.mcmaster.ca/>

Proper Citation: CARD (RRID:SCR_023995)

Description: Comprehensive antibiotic resistance database. Bioinformatic database of resistance genes, their products and associated phenotypes.

Synonyms: card-rgi, Comprehensive Antibiotic Resistance Database, The Comprehensive Antibiotic Resistance Database

Resource Type: data or information resource, database

Defining Citation: [PMID:31665441](#)

Keywords: Antibiotic resistance data, resistance genes and associated phenotypes, resistance genes, phenotypes,

Availability: Free, Available for download, Freely available

Resource Name: CARD

Resource ID: SCR_023995

Alternate IDs: r3d100012727

Alternate URLs: <https://doi.org/10.17616/R3WN59>

Old URLs: <https://sources.debian.org/src/card-rgi/>

License: Creative Commons CC-BY license version 4.0

Record Creation Time: 20230824T050211+0000

Record Last Update: 20260806T054756+0000

Ratings and Alerts

No rating or validation information has been found for CARD.

No alerts have been found for CARD.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 211 mentions in open access literature.

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

Pan S, et al. (2025) A holistic genome dataset of bacteria and archaea of mangrove sediments. *GigaScience*, 14.

Yum SJ, et al. (2025) Antibiotic Resistance Genes and Microbiota in *Brassica oleracea* var. *acephala* Cultivated in South Korea: Potential for Resistance Transmission. *Journal of agricultural and food chemistry*, 73(3), 2156.

Khan YR, et al. (2025) Commensal *Escherichia coli* inhibits the growth and modulates the fitness, virulence, and antimicrobial resistance of *Salmonella* Heidelberg in vitro. *Microbiology spectrum*, 13(10), e0333624.

Li L, et al. (2025) Isolation, characterization, and genomic analysis of a novel phage WSPA with lytic activity against *Serratia marcescens*. *Microbiology spectrum*, 13(9), e0271624.

Chen Q, et al. (2025) Analysis of microorganisms and drug-resistance mutations detected by probe-capture metagenomics among HIV-infected patients with pneumonia. *Frontiers in microbiology*, 16, 1616937.

Yan W, et al. (2025) Antimicrobial Resistance and Genomic Characterization of *Salmonella* Serovars Typhimurium and 4,[5],12:i:- in Huzhou, China. *Infection and drug resistance*, 18, 2765.

Dong N, et al. (2025) Genetic insights into *Shewanella* spp., progenitor of the bla OXA-48-like genes: a large-scale study. *Microbial genomics*, 11(6).

Yang M, et al. (2025) Genomic analysis and antimicrobial resistance in human- and poultry-derived *Campylobacter jejuni* isolates from Hangzhou, China. *Frontiers in microbiology*, 16, 1599555.

Huang P, et al. (2025) A rare *Wohlfahrtiimonas* strain linked to human infection. *Frontiers in cellular and infection microbiology*, 15, 1609676.

De Allende CC, et al. (2025) Characterisation of *Ornithobacterium hominis* colonisation dynamics and interaction with the nasopharyngeal microbiome in a South African birth cohort. *bioRxiv : the preprint server for biology*.

Sitdhipol J, et al. (2025) Evaluating the safety and efficacy of *Lactaseibacillus paracasei* TISTR 2593 as a therapeutic probiotic for obesity prevention. *Frontiers in microbiology*, 16, 1501395.

Zhu X, et al. (2025) Comparative genomic analysis of food-animal-derived and human-derived *Clostridium perfringens* isolates from markets in Shandong, China. *Frontiers in microbiology*, 16, 1543511.

An S, et al. (2025) Significant changes in gut microbiota and SCFAs among patients with newly diagnosed acute myeloid leukemia. *Frontiers in microbiology*, 16, 1559033.

Kim DD, et al. (2025) Contaminated drinking water facilitates *Escherichia coli* strain-sharing within households in urban informal settlements. *Nature microbiology*, 10(5), 1198.

Botthoulath V, et al. (2025) Genomic Analysis for the Safety Assessment of a Potential Probiotic Strain *Pediococcus pentosaceus* BBS1 Isolated From Lao Fermented Bamboo Shoots (Nor Mai Som). *MicrobiologyOpen*, 14(5), e70048.

Jiang C, et al. (2025) Metagenomic insights into soil microbial diversity and antibiotic resistance genes in pristine karst tiankeng ecosystems. *mSphere*, 10(11), e0034825.

Bashorun AO, et al. (2025) Human papillomavirus, sexually transmitted infections, and antimicrobial resistance in West Africa: Estimating population burden and understanding exposures to accelerate vaccine impact and drive new interventions: The PHASE survey protocol. *PloS one*, 20(9), e0332842.

Chang Z, et al. (2025) Precision diagnosis of preoperative infection in urolithiasis: integrating targeted next-generation sequencing for enhanced accuracy-a multicenter cohort study. *BMC infectious diseases*, 25(1), 1767.

Fernández-Cuenca F, et al. (2025) Regional distribution of carbapenemase-producing *Acinetobacter baumannii* isolates in southern Spain (Andalusia). *European journal of clinical microbiology & infectious diseases : official publication of the European Society of Clinical Microbiology*, 44(5), 1069.

Vemula D, et al. (2025) Proteome-wide identification of druggable targets and inhibitors for multidrug-resistant *Pseudomonas aeruginosa* using an integrative subtractive proteomics and virtual screening approach. *Heliyon*, 11(4), e42584.