

Resource Summary Report

Generated by T1D on Aug 9, 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: database, data or information resource

Defining Citation: [PMID:31665441](https://pubmed.ncbi.nlm.nih.gov/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/>

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Record Creation Time: 20230824T050211+0000

Record Last Update: 20260808T190541+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 485 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#).

Din NS, et al. (2026) Dynamics of a large multidrug-resistant plasmid encoding New Delhi metallo- β -lactamase-1 and oxacillinase-58 carbapenemases in *Acinetobacter baumannii* clinical isolates from a tertiary hospital in Malaysia. *Microbial genomics*, 12(2).

Wan S, et al. (2026) Multidimensional characterization of a novel porcine *Klebsiella pneumoniae* phage Pkp-1. *BMC microbiology*, 26(1), 131.

Mao H, et al. (2026) Chromosome-borne bla CTX-M-65 gene in non-O1/O139 *Vibrio cholerae* isolated from bile. *Iranian journal of microbiology*, 18(1), 48.

Bao L, et al. (2026) Convergence of Carbapenem and Colistin Resistance in Intestinal *Escherichia coli* ST167/ST2659 Driven by IncX3 bla NDM-5 and IncI2-Associated Mcr-1.1 Mobility. *Infection and drug resistance*, 19, 594479.

Hamzaoui Z, et al. (2026) NGS-Based Genomic Characterization of ESBL/AmpC-Producing Extraintestinal Pathogenic *Escherichia coli* from Captive Wildlife in Tunisia. *Antibiotics (Basel, Switzerland)*, 15(5).

Chang I, et al. (2026) Newly Emerging *Streptococcus salivarius* G7 as a Probiotic Candidate for Oral Health. *Microorganisms*, 14(6).

Yash , et al. (2026) Genomic insights into *Brevibacterium sediminis* strain IMA_C3 isolated from an integrated mangrove aquaculture pond. *Access microbiology*, 8(2).

Pariona JGM, et al. (2026) Whole-genome analysis of extensively drug-resistant *Acinetobacter baumannii* isolates from a Peruvian tertiary hospital reveals the emergence of OXA-23-producing ST79 and ST1079 clones. *Microbiology spectrum*, 14(3), e0341525.

Zhang K, et al. (2026) qacA is a key factor in heteroresistance to vancomycin in sequence type 5 methicillin-resistant *Staphylococcus aureus* isolates from pneumonia patients. *Microbiology spectrum*, 14(3), e0196325.

Wang Y, et al. (2026) Comparative metagenomic characterization of gut microbiota and antibiotic resistome in multi-facility SPF mice. *BMC microbiology*, 26(1).

Lu Q, et al. (2026) Genomic characterization of APEC phages and evaluation of the efficacy in reducing the loads of APEC O78 infections in chickens. *Frontiers in microbiology*, 17, 1670169.

Ngoie K, et al. (2026) Plasmid diversity, antibiotic resistance and virulence genes associated with *Staphylococcus aureus* isolates from private hospitals in Gauteng, South Africa. *World journal of microbiology & biotechnology*, 42(5).

Zhao J, et al. (2026) Characterization of the novel class A β -Lactamase gene blaKOB-1 in an *Enterobacter* isolate. *BMC microbiology*, 26(1).

Li Z, et al. (2026) Comparative Proteomic Profiling of Clinical *Klebsiella pneumoniae* Strains and the Corresponding Outer Membrane Vesicles. *Journal of extracellular biology*, 5(4), e70135.

Shin H, et al. (2026) A Cautionary Case for Host Assignment Based on Broad Environmental blaOXA Carriers. *Environmental microbiology reports*, 18(2), e70327.

Liu L, et al. (2026) Phenotypic and genomic characterization of tigecycline-insensitive *Klebsiella pneumoniae* strains and validation of highly virulent MDR strains. *Microbiology spectrum*, 14(5), e0322825.

Seo J, et al. (2026) Evaluation of the Novel Bacteriophage Chage1 and Its Endolysin LysCG1 as Biocontrol Agents against *Cronobacter sakazakii* in Foods. *Journal of microbiology and biotechnology*, 36, e2601065.

Zhang Q, et al. (2026) Characterization of an *Escherichia coli* ST156 Isolate Harboring an IncHI2-Type Plasmid Co-Carrying blaNDM-5 and mcr-1.1 Genes from Urban Wastewater Treatment Plants in Fengxian, Shanghai. *Antibiotics (Basel, Switzerland)*, 15(3).

De Allende CC, et al. (2026) Characterization of *Ornithobacterium hominis* colonization dynamics and interaction with the nasopharyngeal microbiome in a South African birth cohort. *Microbial genomics*, 12(5).

Kabiraj A, et al. (2026) Unveiling the genomic secrets of *Micrococcus luteus* through a comprehensive comparative genomics approach. *Frontiers in genetics*, 17, 1778782.