

Resource Summary Report

Generated by [SPARC SAWG](#) on Jul 28, 2026

[sistr](#)

RRID:SCR_024342

Type: Tool

Proper Citation

sistr (RRID:SCR_024342)

Resource Information

URL: https://github.com/phac-nml/sistr_cmd

Proper Citation: sistr (RRID:SCR_024342)

Description: SISTR command-line tool. Open web accessible tool for rapidly typing and subtyping draft salmonella genome assemblies.

Abbreviations: SISTR

Synonyms: Salmonella In Silico Typing Resource

Resource Type: software application, software resource

Defining Citation: [PMID:26800248](#)

Keywords: rapidly typing and subtyping draft salmonella genome assemblies, salmonella genome assemblies,

Availability: Free, Available for download, Freely available,

Resource Name: sistr

Resource ID: SCR_024342

Alternate IDs: OMICS_12011

Old URLs: <https://sources.debian.org/src/sistr/>

License: Apache-2.0 license

Record Creation Time: 20230830T050217+0000

Record Last Update: 20260727T040824+0000

Ratings and Alerts

No rating or validation information has been found for sistr.

No alerts have been found for sistr.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 21 mentions in open access literature.

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

Jiang X, et al. (2025) Ecological prevalence and genomic characterization of Salmonella isolated from selected poultry farms in Jiangxi province, China. Poultry science, 104(7), 105197.

Sunmonu GT, et al. (2025) Genomic characterization of foodborne Salmonella enterica and Escherichia coli isolates from Saboba district and Bolgatanga Municipality Ghana. PloS one, 20(2), e0315583.

Dziegiel AH, et al. (2025) Metagenomic identification of disease-causing Salmonella enterica serovars and antimicrobial resistance genes from paediatric faecal samples. Microbial genomics, 11(10).

Wang Y, et al. (2025) A global atlas and drivers of antimicrobial resistance in Salmonella during 1900-2023. Nature communications, 16(1), 4611.

Huang D, et al. (2025) Plasmid-driven clonal expansion of multidrug-resistant monophasic Salmonella Typhimurium in a Global Food Trade Hub. Emerging microbes & infections, 14(1), 2542251.

García-Álvarez MI, et al. (2025) Genomic characterization of antimicrobial-resistance and virulence factors in Salmonella isolates obtained from pig farms in Antioquia, Colombia. PLoS neglected tropical diseases, 19(1), e0012830.

Jia C, et al. (2025) Avian-specific Salmonella transition to endemicity is accompanied by localized resistome and mobilome interaction. eLife, 13.

Sunmonu GT, et al. (2025) Genomic analysis of Salmonella enterica from cattle, beef and humans in the Greater Tamale Metropolis of Ghana. PloS one, 20(6), e0325048.

Liao YS, et al. (2025) Paratyphoid fever and the genomics of Salmonella enterica serovar Paratyphi A in Taiwan. PLoS neglected tropical diseases, 19(9), e0013048.

Sia CM, et al. (2025) Distinct adaptation and epidemiological success of different genotypes within Salmonella enterica serovar Dublin. eLife, 13.

Ribeiro-Almeida M, et al. (2024) Raw meat-based diet for pets: a neglected source of human exposure to *Salmonella* and pathogenic *Escherichia coli* clones carrying *mcr*, Portugal, September 2019 to January 2020. *Euro surveillance : bulletin Europeen sur les maladies transmissibles = European communicable disease bulletin*, 29(18).

Grinevich D, et al. (2024) Serovar-level identification of bacterial foodborne pathogens from full-length 16S rRNA gene sequencing. *mSystems*, 9(3), e0075723.

Jia C, et al. (2024) A global genome dataset for *Salmonella Gallinarum* recovered between 1920 and 2024. *Scientific data*, 11(1), 1094.

Delgado-Suárez EJ, et al. (2024) Long-term genomic surveillance reveals the circulation of clinically significant *Salmonella* in lymph nodes and beef trimmings from slaughter cattle from a Mexican feedlot. *PloS one*, 19(10), e0312275.

Ke Y, et al. (2024) Emerging *bla*NDM-positive *Salmonella enterica* in Chinese pediatric infections. *Microbiology spectrum*, 12(12), e0148524.

Hsu P-C, et al. (2023) Carbapenem resistance in extensively drug-resistant *Salmonella enterica* serovar Agona and AmpC β -lactamase-producing *S. Infantis*. *Microbiology spectrum*, 11(6), e0292223.

Jia C, et al. (2023) Mobilome-driven partitions of the resistome in *Salmonella*. *mSystems*, 8(6), e0088323.

Wang Y, et al. (2023) Genomic analysis of almost 8,000 *Salmonella* genomes reveals drivers and landscape of antimicrobial resistance in China. *Microbiology spectrum*, 11(6), e0208023.

Greenman NA, et al. (2021) Genomics of Environmental *Salmonella*: Engaging Students in the Microbiology and Bioinformatics of Foodborne Pathogens. *Frontiers in microbiology*, 12, 592422.

Yang SM, et al. (2021) Rapid Real-Time Polymerase Chain Reaction for *Salmonella* Serotyping Based on Novel Unique Gene Markers by Pangenome Analysis. *Frontiers in microbiology*, 12, 750379.