

Resource Summary Report

Generated by [SPARC SAWG](#) on Jul 30, 2026

BSRD

RRID:SCR_004249

Type: Tool

Proper Citation

BSRD (RRID:SCR_004249)

Resource Information

URL: <http://kwanlab.bio.cuhk.edu.hk/BSRD/>

Proper Citation: BSRD (RRID:SCR_004249)

Description: A repository for bacterial small regulatory RNA. They welcome you to submit new experimental validated sRNA targets.

Abbreviations: BSRD

Synonyms: BSRD - Bacterial Small Regulatory RNA Database, Bacterial Small Regulatory RNA Database

Resource Type: service resource, data or information resource, data repository, database, storage service resource

Defining Citation: [PMID:23203879](#)

Keywords: srna target, srna, small regulatory non-coding rna, bio.tools

Availability: Acknowledgement requested, The community can contribute to this resource

Resource Name: BSRD

Resource ID: SCR_004249

Alternate IDs: biotools:bsrd, OMICS_01533

Alternate URLs: <https://bio.tools/bsrd>

Record Creation Time: 20220129T080223+0000

Record Last Update: 20260729T044055+0000

Ratings and Alerts

No rating or validation information has been found for BSRD.

No alerts have been found for BSRD.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 29 mentions in open access literature.

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

Lv F, et al. (2024) Integrated Hfq-interacting RNAome and transcriptomic analysis reveals complex regulatory networks of nitrogen fixation in root-associated *Pseudomonas stutzeri* A1501. *mSphere*, 9(6), e0076223.

Wong BC, et al. (2024) Adaptation of a fluoroquinolone-sensitive *Shigella sonnei* to norfloxacin exposure. *Royal Society open science*, 11(6), 232025.

Lee SM, et al. (2023) Experimental promoter identification of a foodborne pathogen *Salmonella enterica* subsp. *enterica* serovar Typhimurium with near single base-pair resolution. *Frontiers in microbiology*, 14, 1271121.

Grenier T, et al. (2023) Intestinal GCN2 controls *Drosophila* systemic growth in response to *Lactiplantibacillus plantarum* symbiotic cues encoded by r/tRNA operons. *eLife*, 12.

Tuan VP, et al. (2021) Genome-wide association study of gastric cancer- and duodenal ulcer-derived *Helicobacter pylori* strains reveals discriminatory genetic variations and novel oncoprotein candidates. *Microbial genomics*, 7(11).

Sheinman M, et al. (2021) Identical sequences found in distant genomes reveal frequent horizontal transfer across the bacterial domain. *eLife*, 10.

Chen Y, et al. (2021) Small RNA Profiling in *Mycobacterium* Provides Insights Into Stress Adaptability. *Frontiers in microbiology*, 12, 752537.

Parise MTD, et al. (2021) An Integrated Database of Small RNAs and Their Interplay With Transcriptional Gene Regulatory Networks in *Corynebacteria*. *Frontiers in microbiology*, 12, 656435.

Joshi B, et al. (2020) Transcriptome Profiling of *Staphylococcus aureus* Associated Extracellular Vesicles Reveals Presence of Small RNA-Cargo. *Frontiers in molecular biosciences*, 7, 566207.

Furuhata Y, et al. (2019) Programmable RNA detection with a fluorescent RNA aptamer using optimized three-way junction formation. *RNA (New York, N.Y.)*, 25(5), 590.

Montánchez I, et al. (2019) Analysis of *Vibrio harveyi* adaptation in sea water microcosms at elevated temperature provides insights into the putative mechanisms of its persistence and spread in the time of global warming. *Scientific reports*, 9(1), 289.

Olaya-Abril A, et al. (2019) Putative small RNAs controlling detoxification of industrial cyanide-containing wastewaters by *Pseudomonas pseudoalcaligenes* CECT5344. *PloS one*, 14(2), e0212032.

Plaza N, et al. (2019) Conservation of Small Regulatory RNAs in *Vibrio parahaemolyticus*: Possible role of RNA-OUT Encoded by the Pathogenicity Island (VPal-7) of Pandemic Strains. *International journal of molecular sciences*, 20(11).

Plágaro AH, et al. (2019) Defining the transcription landscape of the Gram-negative marine bacterium *Vibrio harveyi*. *Genomics*, 111(6), 1547.

Lima ARJ, et al. (2018) Insights Into *Limnithrix* sp. Metabolism Based on Comparative Genomics. *Frontiers in microbiology*, 9, 2811.

Du HH, et al. (2018) Global discovery of small RNAs in the fish pathogen *Edwardsiella piscicida*: key regulator of adversity and pathogenicity. *Veterinary research*, 49(1), 120.

Tello M, et al. (2018) Codon usage and modular interactions between messenger RNA coding regions and small RNAs in *Escherichia coli*. *BMC genomics*, 19(1), 657.

Slager J, et al. (2018) Deep genome annotation of the opportunistic human pathogen *Streptococcus pneumoniae* D39. *Nucleic acids research*, 46(19), 9971.

Barh D, et al. (2018) Linking common non-coding RNAs of human lung cancer and *M. tuberculosis*. *Bioinformatics*, 14(6), 337.

Sinel C, et al. (2017) Small RNAs in vancomycin-resistant *Enterococcus faecium* involved in daptomycin response and resistance. *Scientific reports*, 7(1), 11067.