Resource Summary Report

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sRNAMap: Small Noncoding RNA MAP

RRID:SCR_005130
Type: Tool

Proper Citation

sRNAMap: Small Noncoding RNA MAP (RRID:SCR_005130)

Resource Information

URL: http://srnamap.mbc.nctu.edu.tw/

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Description: sRNAMap is a collection of sRNAs, regulators, and targets in microbial genomes. It provides valuable information on sRNAs, such as their secondary structure, expressed conditions, the expression profiles, the transcriptional start sites, and cross-links to other biological databases. Various textual and graphical interfaces were also designed and implemented to facilitate the data access in sRNAMap. Overall, this work presents an integrated database, namely sRNAMap, to collect the sRNA genes, the transcriptional regulators of sRNAs and the sRNA target genes by integrating a variety of biological databases and by surveying literature. It currently contains 397 sRNAs, 62 regulators/sRNAs and 60 sRNAs/targets in seventy microbial genomes.

Synonyms: sRNAMap

Resource Type: data or information resource, database

Keywords: srna, srna expressed conditions, srna expression profiles, srna gene, srna regulator, srna secondary structure, srna target, srna transcription

Resource Name: sRNAMap: Small Noncoding RNA MAP

Resource ID: SCR_005130

Alternate IDs: nif-0000-03492

Record Creation Time: 20220129T080228+0000

Record Last Update: 20260919T195649+0000

Ratings and Alerts

No rating or validation information has been found for sRNAMap: Small Noncoding RNA MAP.

No alerts have been found for sRNAMap: Small Noncoding RNA MAP.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 13 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

Zhao Z, et al. (2024) A novel small RNA PhaS contributes to polymyxin B-heteroresistance in carbapenem-resistant Klebsiella pneumoniae. Emerging microbes & infections, 13(1), 2366354.

Xie C, et al. (2024) Revealing sRNA expression profiles of NDM-5-producing CRKP and explore the role of sRNA207 in NDM-5-producing CRKP resistance. Microbiology spectrum, 12(12), e0153724.

Bai Y, et al. (2024) sRNA expression profile of KPC-2-producing carbapenem-resistant Klebsiella pneumoniae: Functional role of sRNA51. PLoS pathogens, 20(5), e1012187.

Tan MF, et al. (2024) Pathogenicity and identification of host adaptation genes of the avian pathogenic Escherichia coli O145 in duck. Frontiers in cellular and infection microbiology, 14, 1453907.

Cheng X, et al. (2021) Cadmium stress triggers significant metabolic reprogramming in Enterococcus faecium CX 2-6. Computational and structural biotechnology journal, 19, 5678.

Du J, et al. (2020) Bioinformatics analysis of small RNAs in Helicobacter pylori and the role of NAT???67 under tinidazole treatment. Molecular medicine reports, 22(2), 1227.

Jiao H, et al. (2020) Transcriptome Landscape of Intracellular Brucella ovis Surviving in RAW264.7 Macrophage Immune System. Inflammation, 43(5), 1649.

Hiramatsu Y, et al. (2020) Expression of small RNAs of Bordetella pertussis colonizing murine tracheas. Microbiology and immunology, 64(6), 469.

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.

Zhong Z, et al. (2016) Large-scale identification of small noncoding RNA with strand-specific deep sequencing and characterization of a novel virulence-related sRNA in Brucella melitensis. Scientific reports, 6, 25123.

Huang L, et al. (2016) Genome-Wide Detection of Predicted Non-coding RNAs Related to the Adhesion Process in Vibrio alginolyticus Using High-Throughput Sequencing. Frontiers in microbiology, 7, 619.

Liu M, et al. (2016) RNA-Seq analysis uncovers non-coding small RNA system of Mycobacterium neoaurum in the metabolism of sterols to accumulate steroid intermediates. Microbial cell factories, 15, 64.

Sridhar J, et al. (2010) sRNAscanner: a computational tool for intergenic small RNA detection in bacterial genomes. PloS one, 5(8), e11970.