

Resource Summary Report

Generated by [ASWG](#) on Aug 4, 2026

sparta

RRID:SCR_024349

Type: Tool

Proper Citation

sparta (RRID:SCR_024349)

Resource Information

URL: <https://sparta.readthedocs.io/en/latest/>

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Description: Software workflow aimed at analyzing single-end Illumina RNA-seq data. The software is supported on Windows, Mac OS X, and Linux platforms.

Synonyms: SPARTA

Resource Type: software resource, data processing software, software application, data analysis software

Defining Citation: [PMID:26847232](#)

Keywords: analyzing single-end Illumina RNA-seq data,

Availability: Free, Available for download, Freely available,

Resource Name: sparta

Resource ID: SCR_024349

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

Record Creation Time: 20230830T050217+0000

Record Last Update: 20260804T043815+0000

Ratings and Alerts

No rating or validation information has been found for sparta.

No alerts have been found for sparta.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Mittal J, et al. (2025) Optimal scaling of protein-water interactions coupled with targeted torsional refinements yields balanced force fields suitable for simulations of single-chain folded proteins, disordered polypeptides, and protein-protein complexes. Research square.

Ruiz B, et al. (2024) SPARTA: Interpretable functional classification of microbiomes and detection of hidden cumulative effects. PLoS computational biology, 20(11), e1012577.

Najer A, et al. (2024) Enhanced Antimalarial and Antisequestration Activity of Methoxybenzenesulfonate-Modified Biopolymers and Nanoparticles for Tackling Severe Malaria. ACS infectious diseases, 10(2), 732.

Williams JT, et al. (2023) A genetic selection for Mycobacterium smegmatis mutants tolerant to killing by sodium citrate defines a combined role for cation homeostasis and osmotic stress in cell death. mSphere, 8(5), e0035823.

Giacalone D, et al. (2022) PrrA modulates Mycobacterium tuberculosis response to multiple environmental cues and is critically regulated by serine/threonine protein kinases. PLoS genetics, 18(8), e1010331.

Gutiérrez R, et al. (2021) Adaptive Resistance Mutations at Suprainhibitory Concentrations Independent of SOS Mutagenesis. Molecular biology and evolution, 38(10), 4095.

Zheng H, et al. (2020) Inhibiting Mycobacterium tuberculosis DosRST Signaling by Targeting Response Regulator DNA Binding and Sensor Kinase Heme. ACS chemical biology, 15(1), 52.

Sanchez KG, et al. (2020) EspM Is a Conserved Transcription Factor That Regulates Gene Expression in Response to the ESX-1 System. mBio, 11(1).

Dulay H, et al. (2020) Cobalt Resistance via Detoxification and Mineralization in the Iron-Reducing Bacterium Geobacter sulfurreducens. Frontiers in microbiology, 11, 600463.