

Resource Summary Report

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SMAP

RRID:SCR_001270

Type: Tool

Proper Citation

SMAP (RRID:SCR_001270)

Resource Information

URL: <http://www.bioconductor.org/packages/2.14/bioc/html/SMAP.html>

Proper Citation: SMAP (RRID:SCR_001270)

Description: Software package providing functions and classes for DNA copy number profiling of array-CGH data.

Abbreviations: SMAP

Synonyms: SMAP - A Segmental Maximum A Posteriori Approach to Array-CGH Copy Number Profiling

Resource Type: software resource

Defining Citation: [PMID:18204059](#)

Keywords: copy number variation, microarray, two channel

Availability: Free, Available for download, Freely available

Resource Name: SMAP

Resource ID: SCR_001270

Alternate IDs: OMICS_02068

License: GNU General Public License, v3

Record Creation Time: 20220129T080206+0000

Record Last Update: 20260808T185727+0000

Ratings and Alerts

No rating or validation information has been found for SMAP.

No alerts have been found for SMAP.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 210 mentions in open access literature.

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

Mesanan A, et al. (2026) Chlamydial membrane vesicles deliver the beta barrel outer membrane protein OmpA to mitochondria to inhibit apoptosis. PLoS pathogens, 22(2), e1013247.

Zhang D, et al. (2026) Harmonizing Terrestrial Carbon Cycle Observations Over CONUS NEON Sites: Assessing the Information Contributions of Multiple Data Constraints. Global change biology, 32(2), e70761.

Feng S, et al. (2026) Global daily 9 km remotely sensed soil moisture (2015-2025) with microwave radiative transfer-guided learning. Scientific data, 13(1).

Su J, et al. (2026) Integrated machine learning and molecular dynamics framework for predicting and elucidating ABCB1 allocrite interactions. Briefings in bioinformatics, 27(2).

Holland KL, et al. (2026) A series of spontaneously blinking dyes for super-resolution microscopy. Nature methods, 23(5), 909.

Liu G, et al. (2025) A Global ERA5-based Tropical Cyclone Wind Field Dataset Enhanced by Integrated Parametric Correction Methods. Scientific data, 12(1), 1429.

Rahman F, et al. (2025) Mapping the nuclear landscape with multiplexed super-resolution fluorescence microscopy. Nature communications, 16(1), 6042.

Mu C, et al. (2025) Recent intensified riverine CO2 emission across the Northern Hemisphere permafrost region. Nature communications, 16(1), 3616.

Hagan DFT, et al. (2025) Seamless finer-resolution soil moisture from the synergistic merging of the FengYun-3 satellite series. Scientific data, 12(1), 983.

Zaza C, et al. (2025) Super-resolution imaging in whole cells and tissues via DNA-PAINT on a spinning disk confocal with optical photon reassignment. Nature communications, 16(1), 4991.

Tian SZ, et al. (2025) Landscape of the Epstein-Barr virus-host chromatin interactome and gene regulation. The EMBO journal, 44(13), 3872.

Nadeem M, et al. (2025) Enhancing Postharvest Quality of Blackberries: Impact of Sonicated and Microwave-Assisted Pasteurized Edible Coating Gels at Different Storage Temperatures. *Gels* (Basel, Switzerland), 11(4).

Wu X, et al. (2025) AKR1B10 dictates c-Myc stability to suppress colorectal cancer metastasis via PP2A nitration. *Science advances*, 11(34), eadv6937.

Prabhu BNB, et al. (2025) Antagonistic histone post-translational modifications improve the fidelity of epigenetic inheritance - a Bayesian perspective. *Epigenetics & chromatin*, 18(1), 67.

Meurville MP, et al. (2025) Ecological change and conflict reduction led to a social circulatory system in ants. *Communications biology*, 8(1), 246.

Li Z, et al. (2025) 100-m-resolution surface soil moisture data during the thawing season on the Qinghai-Tibet Plateau. *Scientific data*, 12(1), 497.

Queally N, et al. (2025) Functional Traits From Imaging Spectroscopy Inform Patterns of Forest Mortality During Sierra Nevada Drought. *Global change biology*, 31(5), e70246.

Deng F, et al. (2025) Enhancing ultra-high density single-molecule localization with deep spatiotemporal networks. *Biomedical optics express*, 16(5), 1773.

Shirgill S, et al. (2025) Nano-org, a functional resource for single-molecule localisation microscopy data. *Nature communications*, 16(1), 8674.

Ruttink T, et al. (2025) Genome-wide molecular fingerprinting reveals local geographical genetic patterns in the North American angiosperm genus *Triosteum* (Caprifoliaceae). *PloS one*, 20(6), e0325657.