

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: 20260725T190459+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 199 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

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.

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.

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).

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

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.

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.

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

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.

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

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

Swinnen G, et al. (2025) Application of a GRF-GIF chimera enhances plant regeneration for genome editing in tomato. *Plant biotechnology journal*, 23(9), 4044.

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.

Cabillic M, et al. (2025) In-depth single molecule localization microscopy using adaptive optics and single objective light-sheet microscopy. *Nature communications*, 16(1), 8362.

Thangaprakash VP, et al. (2025) Evaluation of model-simulated tropical cyclone response on the biogeochemical parameters using profiling float observations in the Arabian Sea. *Scientific reports*, 15(1), 21560.

Zhang Z, et al. (2025) DHPSFU: a Fiji plugin for fast and accurate double helix-PSF 3D single-molecule localisation microscopy. *Scientific reports*, 15(1), 30551.

Li S, et al. (2025) PP2A Promotes the Symmetric Division of MUC1-Dominant Cancer Stem-Like Cells in Small Cell Lung Cancer. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(25), e2503545.

Busse W, et al. (2025) Super-resolution imaging of native fluorescent photoreceptors in chytrid fungal eyes. *The EMBO journal*, 44(14), 4088.

Lu T, et al. (2025) Reinforcement learning-based dynamic field exploration and reconstruction using multi-robot systems for environmental monitoring. *Frontiers in robotics and AI*, 12, 1492526.