

Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

RAMA

RRID:SCR_001358

Type: Tool

Proper Citation

RAMA (RRID:SCR_001358)

Resource Information

URL: <http://www.bioconductor.org/packages/release/bioc/html/rama.html>

Proper Citation: RAMA (RRID:SCR_001358)

Description: Software package for robust estimation of cDNA microarray intensities with replicates. It uses a Bayesian hierarchical model for the robust estimation. Outliers are modeled explicitly using a t-distribution, and the model also addresses classical issues such as design effects, normalization, transformation, and nonconstant variance.

Abbreviations: RAMA

Synonyms: Robust Analysis of MicroArrays

Resource Type: software resource

Keywords: microarray, preprocessing

Availability: GNU General Public License, v2 or newer

Resource Name: RAMA

Resource ID: SCR_001358

Alternate IDs: OMICS_01982

Record Creation Time: 20220129T080207+0000

Record Last Update: 20260808T185729+0000

Ratings and Alerts

No rating or validation information has been found for RAMA.

No alerts have been found for RAMA.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 66 mentions in open access literature.

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

Gunn KH, et al. (2025) Cryogenic electron tomography reveals helical organization of lipoprotein lipase in storage vesicles. *Science advances*, 11(32), eadx8711.

Schmidtman K, et al. (2025) Ames Assay Transferred from the Microtiter Plate to the Planar Assay Format. *Journal of xenobiotics*, 15(3).

Shapcott KA, et al. (2025) DomeVR: Immersive virtual reality for primates and rodents. *PloS one*, 20(1), e0308848.

Du Y, et al. (2025) Scarless excision of an insertion sequence in the OmpK36 promoter restores meropenem susceptibility in a non-carbapenemase-producing *Klebsiella pneumoniae*. *Emerging microbes & infections*, 14(1), 2503922.

Zhang P, et al. (2025) Fast sequence alignment for centromeres with RaMA. *Genome research*, 35(5), 1209.

Youssef EG, et al. (2025) In Silico Design of a Multiepitope Vaccine Against Intestinal Pathogenic *Escherichia coli* Based on the 2011 German O104:H4 Outbreak Strain Using Reverse Vaccinology and an Immunoinformatic Approach. *Diseases (Basel, Switzerland)*, 13(8).

Zhao X, et al. (2025) RamA upregulates the ATP-binding cassette transporter mlaFEDCB to mediate resistance to tetracycline-class antibiotics and the stability of membranes in *Klebsiella pneumoniae*. *Microbiology spectrum*, 13(2), e0172824.

Akama Y, et al. (2025) A novel molecule targeting neutrophil-mediated B-1a cell trogocytosis attenuates sepsis-induced acute lung injury. *Frontiers in immunology*, 16, 1597887.

Li Y, et al. (2025) Re-identification assistance and multi-stage association for pedestrian multi-object tracking. *Scientific reports*, 15(1), 22533.

Yang S, et al. (2024) Inferring language dispersal patterns with velocity field estimation. *Nature communications*, 15(1), 190.

Shetty S, et al. (2024) Immunoinformatics design of a multi-epitope vaccine for *Chlamydia trachomatis* major outer membrane proteins. *Scientific reports*, 14(1), 29919.

Heredia AG, et al. (2024) Regulation of the SOS response and homologous recombination by an integrative and conjugative element. *bioRxiv : the preprint server for biology*.

Layek U, et al. (2024) Floral visitors of sesame (*Sesamum indicum* L.): Elucidating their nectar-robbing behaviour and impacts on the plant reproduction. *PloS one*, 19(4), e0300398.

Middlemiss AD, et al. (2023) Mapping direct and indirect MarA/SoxS/Rob/RamA regulons in *Salmonella Typhimurium* reveals repression of *csgD* and biofilm formation. *Microbiology (Reading, England)*, 169(5).

Hameed AR, et al. (2023) Structural Dynamics of P-Rex1 Complexed with Natural Leads Establishes the Protein as an Attractive Target for Therapeutics to Suppress Cancer Metastasis. *BioMed research international*, 2023, 3882081.

Bhatta S, et al. (2023) Home environmental change for child injury prevention in Nepal: A qualitative study. *Journal of child health care : for professionals working with children in the hospital and community*, 27(3), 323.

Basmenj ER, et al. (2023) Engineering and design of promising T-cell-based multi-epitope vaccine candidates against leishmaniasis. *Scientific reports*, 13(1), 19421.

Zhou M, et al. (2023) Extracellular CIRP dysregulates macrophage bacterial phagocytosis in sepsis. *Cellular & molecular immunology*, 20(1), 80.

Li J, et al. (2023) Insights into pyrrolysine function from structures of a trimethylamine methyltransferase and its corrinoid protein complex. *Communications biology*, 6(1), 54.

Shettima A, et al. (2023) Quantitative proteomics analysis of permethrin and temephos-resistant *Ae. aegypti* revealed diverse differentially expressed proteins associated with insecticide resistance from Penang Island, Malaysia. *PLoS neglected tropical diseases*, 17(9), e0011604.