

Resource Summary Report

Generated by [nidm-terms](#) on Jul 28, 2026

RASP

RRID:SCR_012062

Type: Tool

Proper Citation

RASP (RRID:SCR_012062)

Resource Information

URL: <http://sourceforge.net/projects/raspmr/>

Proper Citation: RASP (RRID:SCR_012062)

Description: Software that uses structure-based chemical shift predictions to solve the backbone resonance assignment problem in protein NMR spectroscopy.

Resource Type: software resource

Defining Citation: [PMID:24445369](#)

Keywords: standalone software, python

Resource Name: RASP

Resource ID: SCR_012062

Alternate IDs: OMICS_03392

Record Creation Time: 20220129T080308+0000

Record Last Update: 20260725T190730+0000

Ratings and Alerts

No rating or validation information has been found for RASP.

No alerts have been found for RASP.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 323 mentions in open access literature.

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

Gelman S, et al. (2025) Biophysics-based protein language models for protein engineering. *Nature methods*, 22(9), 1868.

Pellegrini S, et al. (2025) Oncodrive3D: fast and accurate detection of structural clusters of somatic mutations under positive selection. *Nucleic acids research*, 53(15).

Jamshed S, et al. (2025) Elucidating time divergence and biogeography of *Euonymus hamiltonianus* complex using complete plastome analysis. *Scientific reports*, 15(1), 29905.

Zhu ZX, et al. (2025) Discovery of an ancient Himalayan birch mouse lineage illuminates the evolution of the family Sicistidae (Rodentia: Dipodoidea), with descriptions of a new genus and two new species. *Zoological research*, 46(4), 921.

Liu S, et al. (2025) Assisting and accelerating NMR assignment with restrained structure prediction. *Communications biology*, 8(1), 1067.

Tseng YH, et al. (2025) Biogeographic patterns and evolutionary history of *Elatostema* (Urticaceae). *Botanical studies*, 66(1), 10.

Zhang R, et al. (2025) Molecular Phylogenetic Relationships Based on Mitogenomes of Spider: Insights Into Evolution and Adaptation to Extreme Environments. *Ecology and evolution*, 15(1), e70774.

Pu H, et al. (2025) Molecular Phylogenetics and Estimation of Evolutionary Divergence and Biogeography of the Family Cordycipitaceae (Ascomycota, Hypocreales). *Journal of fungi* (Basel, Switzerland), 11(1).

Mewis V, et al. (2025) Phylogeographic analyses reveal recent dispersal and multiple *Wolbachia* infections of the bright-eyed ringlet *Erebia oeme* within the European mountain systems. *Scientific reports*, 15(1), 1956.

Koda R, et al. (2025) Non-radiative origin for alpine endemics of *Draba* (Brassicaceae) in the central mountains of the Japanese Archipelago. *Journal of plant research*, 138(4), 563.

Mu K, et al. (2025) RASP v2.0: an updated atlas for RNA structure probing data. *Nucleic acids research*, 53(D1), D211.

Chen YP, et al. (2025) Rapid Radiation of a Plant Lineage Sheds Light on the Assembly of Dry Valley Biomes. *Molecular biology and evolution*, 42(2).

Chen K, et al. (2025) Reassessing the phylogenetic relationships of *Pseudosorghum* and *Saccharinae* (Poaceae) using plastome and nuclear ribosomal sequences. *Plant diversity*, 47(3), 382.

Šlechtová VB, et al. (2025) Reconstructing the phylogeny and evolutionary history of freshwater fishes (Nemacheilidae) across Eurasia since early Eocene. *eLife*, 13.

Gingerich IK, et al. (2025) Randomized Spatial PCA (RASP): A computationally efficient method for dimensionality reduction of high-resolution spatial transcriptomics data. *PLoS computational biology*, 21(12), e1013759.

Shin JW, et al. (2025) Long-Term Incidence of Adjacent Segmental Pathology After Minimally Invasive vs. Open Transforaminal Lumbar Interbody Fusion. *Global spine journal*, 15(3), 1635.

Ochoa-Zavala M, et al. (2025) Mitochondrial DNA patterns describe the evolutionary history of the bonnethead shark *Sphyrna tiburo* (Linneus 1758) complex in the western Atlantic Ocean. *Journal of fish biology*, 106(2), 403.

Luo Q, et al. (2025) Genomic epidemiology and phylodynamics of *Acinetobacter baumannii* bloodstream isolates in China. *Nature communications*, 16(1), 3536.

Jiao B, et al. (2025) Global phylogeny and taxonomy of *Artemisia*. *Nature communications*, 16(1), 8648.

Dennehy-Carr ZH, et al. (2025) The origin and diversification of Amaryllidaceae: A phylogenetic and biogeographic analysis. *American journal of botany*, 112(9), e70092.