

# Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](http://FDI Lab - SciCrunch.org) on Apr 12, 2025

## SALT

RRID:SCR\_003187

Type: Tool

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### Proper Citation

SALT (RRID:SCR\_003187)

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### Resource Information

**URL:** <http://sourceforge.net/projects/salt1/>

**Proper Citation:** SALT (RRID:SCR\_003187)

**Description:** Software that can accurately and sensitivity classify short reads of next-generation sequencing (NGS) into protein domain families. It is based on profile HMM and a supervised graph contribution algorithm. Compared to existing tools, it has high sensitivity and specificity in classifying short reads into their native domain families.

**Abbreviations:** SALT

**Synonyms:** SALT - Protein domain classifier

**Resource Type:** software resource

**Defining Citation:** [PMID:23782615](https://pubmed.ncbi.nlm.nih.gov/23782615/)

**Keywords:** next-generation sequencing, protein, protein domain, short read, bio.tools

**Funding:**

**Resource Name:** SALT

**Resource ID:** SCR\_003187

**Alternate IDs:** OMICS\_01565, biotools:salt

**Alternate URLs:** <https://bio.tools/salt>

**Record Creation Time:** 20220129T080217+0000

**Record Last Update:** 20250410T064947+0000

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## Ratings and Alerts

No rating or validation information has been found for SALT.

No alerts have been found for SALT.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 1149 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](#).

Rauch R, et al. (2025) Effects of partial or full replacement of soybean meal with urea or coated urea on intake, performance, and plasma urea concentrations in lactating dairy cows. *Journal of animal physiology and animal nutrition*, 109(1), 64.

Chen J, et al. (2025) Molecular dynamics simulations reveal efficient heavy metal ion removal by two-dimensional Cu-THQ metal-organic framework membrane. *Scientific reports*, 15(1), 199.

Bashir N, et al. (2025) Green-synthesized silver nanoparticle-enhanced nanofiltration mixed matrix membranes for high-performance water purification. *Scientific reports*, 15(1), 1001.

Parée T, et al. (2025) Selection Can Favor a Recombination Landscape That Limits Polygenic Adaptation. *Molecular biology and evolution*, 42(1).

Young K, et al. (2025) Alcohol Relapse After Liver Transplantation: Risk Factors, Outcomes, and a Comparison of Risk Stratification Models. *Gastro hep advances*, 4(1), 100550.

Wi?niewska K, et al. (2025) Impact of pollution on microbiological dynamics in the pistil stigmas of Orobanche lutea flowers (Orobanchaceae). *Scientific reports*, 15(1), 3382.

Ponce-Alcala RE, et al. (2025) Pay Attention to Hypertension (PAth): Findings from a cardiovascular health promotion intervention for adults with intellectual disabilities participating in Special Olympics programming. *Journal of intellectual disability research : JIDR*, 69(1), 65.

Smokers IBA, et al. (2025) Quantification of Biomolecular Condensate Volume Reveals Network Swelling and Dissolution Regimes during Phase Transition. *Biomacromolecules*, 26(1), 363.

Maier A, et al. (2025) Predicting purification process fit of monoclonal antibodies using machine learning. *mAbs*, 17(1), 2439988.

Turati F, et al. (2025) Cancers attributable to diet in Italy. *International journal of cancer*, 156(6), 1181.

Jordanova KV, et al. (2025) Paramagnetic salt and agarose recipes for phantoms with desired T1 and T2 values for low-field MRI. *NMR in biomedicine*, 38(1), e5281.

Zhang J, et al. (2025) Genome- and Transcriptome-Wide Characterization and Expression Analyses of bHLH Transcription Factor Family Reveal Their Relevance to Salt Stress Response in Tomato. *Plants (Basel, Switzerland)*, 14(2).

Zioga E, et al. (2025) Screening approaches and potential of isolated lactic acid bacteria for improving fermentation of *Saccharina latissima*. *BMC biotechnology*, 25(1), 2.

Tomašek I, et al. (2025) Physicochemical Properties and Bioreactivity of Sub-10  $\mu$ m Geogenic Particles: Comparison of Volcanic Ash and Desert Dust. *GeoHealth*, 9(1), e2024GH001171.

Esmaeili M, et al. (2025) The status of sodium intake and excretion and the primary dietary sources of sodium in Iranian adults, a comprehensive pilot study. *Cardiovascular endocrinology & metabolism*, 14(1), e00322.

Stephen RI, et al. (2025) The pattern and burden of non-communicable diseases in armed conflict-exposed populations in Northeastern Nigeria. *PeerJ*, 13, e18520.

Tang M, et al. (2025) City-level energy metabolism accounts for China's 281 cities from 2000 to 2020. *Scientific data*, 12(1), 55.

Abdoollahi S, et al. (2025) Impact of chia seed protein hydrolysate and apple pomace pectin on the properties of egg-free mayonnaise. *Heliyon*, 11(1), e41278.

Eldridge AL, et al. (2025) Method to define recommended portion sizes for consumer guidance. *European journal of nutrition*, 64(1), 62.

Barua L, et al. (2025) Association of Cardiovascular Disease Risk Factors With Estimated Dietary Salt Consumption in Bangladeshi Adults: A Nationally Representative Cross-Sectional Study. *Journal of clinical hypertension (Greenwich, Conn.)*, 27(1), e14966.