

Resource Summary Report

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SALT

RRID:SCR_003187

Type: Tool

Proper Citation

SALT (RRID:SCR_003187)

Resource Information

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

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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](#)

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

Availability: Free, Available for download, Freely available

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: 20260801T190217+0000

Ratings and Alerts

No rating or validation information has been found for SALT.

No alerts have been found for SALT.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1294 mentions in open access literature.

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

Negi Y, et al. (2025) OsWNK9 mitigates salt stress by promoting root growth and stomatal closure in rice. *Physiologia plantarum*, 177(1), e70129.

Wang W, et al. (2025) Cryo-EM Analysis of a Tri-Heme Cytochrome-Associated RC-LH1 Complex from the Marine Photoheterotrophic Bacterium *Dinoroseobacter Shiba*. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(18), e2413456.

Malik Y, et al. (2025) Bacterial Diversity at Himalayan Pink Salt Extraction Site. *Biology*, 14(3).

Wang Z, et al. (2025) Transcriptomic and proteomic-based analysis of the mechanisms by which drought and salt stresses affect the quality of *Isatis Folium*. *BMC plant biology*, 25(1), 332.

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.

Alshoura WH, et al. (2025) Secure and flexible image watermarking using IWT, SVD, and chaos models for robustness and imperceptibility. *Scientific reports*, 15(1), 7231.

Ando Y, et al. (2025) A mini-hairpin shaped nascent peptide blocks translation termination by a distinct mechanism. *Nature communications*, 16(1), 2323.

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.

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.

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

Spadafora M, et al. (2025) Off-Label Use of Topical Ruxolitinib in Dermatology: A Systematic Literature Review and Current Perspectives. *Experimental dermatology*, 34(4), e70095.

Cook N, et al. (2025) Quantifying and describing production waste in two urban healthcare centres with differing foodservice models. *Nutrition & dietetics : the journal of the Dietitians Association of Australia*, 82(4), 434.

Wilk M, et al. (2025) Inequalities in overcrowding in households with children in an ethnically diverse urban population: a cross-sectional study using linked health and housing records. *International journal of population data science*, 10(2), 2408.

Bett VK, et al. (2025) Chromatin Landscape Is Associated With Sex-Biased Expression and Drosophila-Like Dosage Compensation of the Z Chromosome in *Artemia franciscana*. *Molecular biology and evolution*, 42(5).

Agbemaflle I, et al. (2025) Assessment of Women's Discretionary Salt Intake and Household Salt Utilization in Preparation for a Salt Fortification Trial in Oromia Region, Ethiopia. *Maternal & child nutrition*, 21(2), e13768.

Hanson KA, et al. (2025) Comparison of Dermatology Life Quality Index Scores in Adults and Adolescents with Alopecia Areata. *Dermatology and therapy*, 15(6), 1543.

Muradoğlu F, et al. (2025) Putrescine eases saline stress by regulating biochemicals, antioxidative enzymes, and osmolyte balance in hydroponic strawberries (cv. Albion). *Physiologia plantarum*, 177(3), e70259.

An J, et al. (2025) Anti-glycaemic effect of the Chinese modified DASH diet combined with 23% low-sodium salt in patients with hypertension and type 2 diabetes: a clinical trial. *Diabetology & metabolic syndrome*, 17(1), 55.

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