

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: 20260905T132459+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 1307 mentions in open access literature.

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

Zhou Z, et al. (2026) Genetic predisposition to high BMI, ultra-processed food consumptions in childhood, and adiposity in young adulthood: a 17-year prospective cohort study of 3061 individuals. BMC medicine, 24(1).

Asri MAA, et al. (2026) Deep learning-based no-reference image quality assessment framework for Cryptosporidium spp. and Giardia spp. PloS one, 21(1), e0341160.

Yuasa A, et al. (2026) Cost-Effectiveness Analysis of Ritlecitinib Compared With No Treatment in Patients With Severe Alopecia Areata in Japan. The Journal of dermatology, 53(4), 619.

Kim C, et al. (2026) The Use of Microelectrodes in Molten Salt Electrochemistry. Analytical chemistry, 98(25), 18299.

Reinoso A, et al. (2026) Leamos Juntos! Bilingual books support Latine parents' Spanish language use during book-sharing interactions. Journal of child language, 53(4), 924.

Krok WC, et al. (2026) Assessing Sentences in Young Children: A Comparison of the Sentence Diversity Priming Task and Play-Based Language Samples. Journal of speech, language, and hearing research : JSLHR, 69(6), 2623.

Song X, et al. (2026) Identification of the IDA peptide family in tomato and function of SIIDA8 in salt stress. BMC plant biology, 26(1), 300.

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.

Jiang Q, et al. (2025) Comprehensive genome-wide identification and expression analysis of the EPF/EPFL gene family in oat. BMC genomics, 26(1), 551.

Xie X, et al. (2025) Potential role of key rumen microbes in regulating host health and growth performance in Hu sheep. Animal microbiome, 7(1), 51.

King B, et al. (2025) Rationale and Design of a Novel, Phase 3, External and Synthetic Placebo-Controlled Clinical Trial of Ritlecitinib 50 mg and 100 mg for Alopecia Areata.

Dermatology and therapy, 15(12), 3793.

Negi Y, et al. (2025) OsWINK9 mitigates salt stress by promoting root growth and stomatal closure in rice. *Physiologia plantarum*, 177(1), e70129.

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.

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

Agbemafla 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.

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.

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.

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.

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.

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.