

Resource Summary Report

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SOAPnuke

RRID:SCR_015025

Type: Tool

Proper Citation

SOAPnuke (RRID:SCR_015025)

Resource Information

URL: <https://github.com/BGI-flexlab/SOAPnuke>

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Description: Multi-threaded software for rapid quality control and preprocessing of high throughput sequencing data specified for different experiments. It consists of four modules that speed up the report on statistics graphs of raw datasets, preprocessed datasets and preprocessing status.

Resource Type: sequence analysis software, software resource, software application, data analysis software, data processing software

Keywords: sequence data, fastq, dge dataset, rna, metagenomics, bio.tools

Availability: Open Source, Free

Resource Name: SOAPnuke

Resource ID: SCR_015025

Alternate IDs: biotools:soapnuke

Alternate URLs: <https://bio.tools/soapnuke>

License: GPLv3

Record Creation Time: 20220129T080323+0000

Record Last Update: 20260808T190038+0000

Ratings and Alerts

No rating or validation information has been found for SOAPnuke.

No alerts have been found for SOAPnuke.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1698 mentions in open access literature.

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

Ortega-Álvarez D, et al. (2026) Discovery and Evaluation of Biomarkers for Triple-Negative Breast Cancer Subtypes Uncovers Patient Stratification and Targeted Therapeutic Strategies. *Cancer research*, 86(10), 2360.

Liu H, et al. (2026) Long-term outcomes by clinical and molecular risk stratification in patients with medulloblastoma receiving risk-adapted therapy. *Med (New York, N.Y.)*, 7(5), 101076.

Gan Y, et al. (2026) PLA2G16-Mediated Tetracosatetraenoic Acid Rewires Fatty Acid Oxidation to Impair CD8+ T Cell Immune Function in Promoting Breast Cancer Lung Metastasis. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(6), e10224.

Park S, et al. (2026) Chronic PET-Microplastic Exposure: Disruption of Gut-Liver Homeostasis and Risk of Hepatic Steatosis. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(1), e12030.

Shi H, et al. (2026) Emergence and evolution of HoBi-like pestivirus clades a and c in sheep from central China. *BMC veterinary research*, 22(1), 82.

Wang S, et al. (2026) The Role of Circulating Tumor Cell as a Promising Biomarker in the Evaluation of Pulmonary Nodules: A Prospective Study. *Cancer research and treatment*, 58(1), 128.

Chen Y, et al. (2026) Whole-genome sequencing reveals novel ryanodine receptor mutations P4568L and Y4701D conferring high-level chlorantraniliprole resistance in *Spodoptera litura* (Lepidoptera: Noctuidae). *Pest management science*, 82(1), 815.

Bao Z, et al. (2026) Transcriptomic analysis identifies CXCL12 as a novel candidate gene for litter size in rabbits. *Animal bioscience*, 39(1), 240640.

Wang L, et al. (2026) Analysis of copy number variations and candidate genes in recurrent pregnancy loss. *PeerJ*, 14, e20889.

Li X, et al. (2026) A tri-omics and machine learning framework identifies prognostic biomarkers and metabolic signatures in sepsis. *Scientific reports*, 16(1), 6648.

Jiang Z, et al. (2026) Vertebral morphological changes driven by rflna lead to body shape differentiation in carp. *Zoological research*, 47(1), 128.

Dong Z, et al. (2026) Fungal photobiont and microbiome genome composition in the *Cladonia uncialis* tripartite symbiosis. *Scientific data*, 13(1).

Zhao Y, et al. (2026) Inflammation-induced impairment of synaptic plasticity accelerates atherosclerosis co-depression disease: insights from bioinformatics analysis and transcriptomics. *Cell & bioscience*, 16(1).

Huang S, et al. (2026) Sleep deprivation disrupts lacrimal gland homeostasis via hypothalamic-pituitary-adrenal axis and gut dysbiosis in mice. *Communications biology*, 9(1).

Wang Y, et al. (2026) Image-based epigenetic profiling with deep learning and high-speed super-resolution microscopy. *Epigenetics & chromatin*, 19(1).

Ríos I, et al. (2026) Monocytes from inflammatory arthritis patients accumulate methotrexate and their transcriptome predicts methotrexate clinical response. *Cellular and molecular life sciences : CMLS*, 83(1).

Qi D, et al. (2026) α -Adrenergic Signaling Contributes to Circadian and Lipid Dysregulation in Meibomian Glands During Chronic Psychological Stress. *Investigative ophthalmology & visual science*, 67(2), 15.

Jiang S, et al. (2026) *Panx3* deficiency in mice impairs bone fracture healing and causes transient hypoglycemia in neonatal animals. *Molecular medicine (Cambridge, Mass.)*, 32(1).

Wang R, et al. (2026) Mitogenomic Phylogeny and Adaptive Evolution of Snailfishes (Liparidae) Reveal Correlation Between tRNA Rearrangements and Deep-Sea Colonization. *Biology*, 15(4).

Gao B, et al. (2026) Transcriptomics and Metabolomics Analysis Reveal the Mechanism of Petal Number Variation in *Gardenia jasminoides*. *Metabolites*, 16(2).