

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, data analysis software, software application, data processing software, software resource

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

Funding:

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: 20250417T065506+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 1152 mentions in open access literature.

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

Deng J, et al. (2025) Mechanosensor YAP mediates bone remodeling via NF- κ B p65 induced osteoclastogenesis during orthodontic tooth movement. Progress in orthodontics, 26(1), 2.

Harsono IW, et al. (2025) Clinical phenotype and trio whole exome sequencing data from a patient with glycogen storage disease IV in Indonesia. Data in brief, 58, 111231.

Zhou Y, et al. (2025) Identification of quantitative trait loci and candidate genes associated with growth curve parameters in chinese wenshang barred chickens. Poultry science, 104(2), 104767.

Hong Y, et al. (2025) Identification and characterization of a novel QTL for barley yellow mosaic disease resistance from bulbous barley. The plant genome, 18(1), e20557.

Huang Y, et al. (2025) Characterization and genomic insights into bacteriophages Kpph1 and Kpph9 against hypervirulent carbapenem-resistant Klebsiella pneumoniae. Virulence, 16(1), 2450462.

Cheng Y, et al. (2025) Stromal architecture and fibroblast subpopulations with opposing effects on outcomes in hepatocellular carcinoma. Cell discovery, 11(1), 1.

van Gelderen TA, et al. (2025) Gonadal miRNomes and transcriptomes in infected fish reveal sexually dimorphic patterns of the immune response. Functional & integrative genomics, 25(1), 29.

Yu C, et al. (2025) A novel Alteromonas phage with tail fiber containing six potential iron-binding domains. Microbiology spectrum, 13(1), e0093424.

- Wang Y, et al. (2025) hAMSCs regulate EMT in the progression of experimental pulmonary fibrosis through delivering miR-181a-5p targeting TGFBR1. *Stem cell research & therapy*, 16(1), 2.
- Guo L, et al. (2025) Adiponectin regulates proliferation and differentiation of chicken skeletal muscle satellite cells via ERK1/2 and p38 signaling pathways. *Poultry science*, 104(2), 104813.
- Cui J, et al. (2025) Mitochondrial Genome Insights into Evolution and Gene Regulation in *Phragmites australis*. *International journal of molecular sciences*, 26(2).
- Liu X, et al. (2025) Mitochondrial Genome Characteristics Reveal Evolution of *Danxiaorchis yangii* and Phylogenetic Relationships. *International journal of molecular sciences*, 26(2).
- Tan W, et al. (2025) AdipoRon ameliorates the progression of heart failure with preserved ejection fraction via mitigating lipid accumulation and fibrosis. *Journal of advanced research*, 68, 299.
- Zhou Y, et al. (2025) Telomere-to-telomere genome and resequencing of 254 individuals reveal evolution, genomic footprints in Asian icefish, *Protosalanx chinensis*. *GigaScience*, 14.
- Tsubaki T, et al. (2025) Aging and cell expansion enhance microRNA diversity in small extracellular vesicles produced from human adipose-derived stem cells. *Cytotechnology*, 77(1), 15.
- Lapkina E, et al. (2025) MiR-204-5p overexpression abrogates Dacarbazine-induced senescence in melanoma cells in vivo. *Non-coding RNA research*, 10, 130.
- Liu C, et al. (2025) A chromosome-scale genome assembly of the pioneer plant *Stylosanthes angustifolia*: insights into genome evolution and drought adaptation. *GigaScience*, 14.
- Zou X, et al. (2025) Chromosome-level genome assembly of the pine wood nematode carrier *Arhopalus unicolor*. *Scientific data*, 12(1), 111.
- Liu Y, et al. (2025) Comparative transcriptomic and metabolomics analysis of ovary in *Nilaparvata lugens* after trehalase inhibition. *BMC genomics*, 26(1), 98.
- Pei X, et al. (2025) Leptin Receptor Deficiency-Associated Diabetes Disrupts Lacrimal Gland Circadian Rhythms and Contributes to Dry Eye Syndrome. *Investigative ophthalmology & visual science*, 66(1), 19.