

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: data analysis software, software application, software resource, sequence 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: 20260801T190511+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 1447 mentions in open access literature.

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

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

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.

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.

Ding Y, et al. (2026) Targeting CPS1 attenuates lung cancer metastasis by regulating EMT through an epigenetic mechanism. *Theranostics*, 16(4), 1740.

Liu X, et al. (2026) Investigation into the Pancreatic Pathogenesis of SFTSV across Multiple Levels. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(1), e15862.

Bian C, et al. (2025) Chromosome-level genome assemblies of five *Sinocyclocheilus* species. *GigaByte* (Hong Kong, China), 2025, gigabyte155.

Jiang M, et al. (2025) The telomere-to-telomere gap-free reference genome and taxonomic reassessment of *Siniperca roulei*. *GigaScience*, 14.

Wang Y, et al. (2025) Telomere-to-telomere genome of common bean (*Phaseolus vulgaris* L., YP4). *GigaScience*, 14.

Ban C, et al. (2025) Effect of Dead-Cell *Limosilactobacillus ingluviei* on Hematological Parameters and Jejunal Transcriptome Profile in Calves During the Weaning Period. *Animals : an open access journal from MDPI*, 15(13).

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.

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.

- Guo Q, et al. (2025) A near-complete genome assembly of the bearded dragon *Pogona vitticeps* provides insights into the origin of *Pogona* sex chromosomes. *GigaScience*, 14.
- Wang Y, et al. (2025) Direct transdifferentiation of tumorigenic melanoma cells induces tumor cell reversion. *Cell death & disease*, 16(1), 563.
- Wang H, et al. (2025) Phenotypic plasticity and increased infiltration of peripheral blood-derived TREM1+ mono-macrophages following radiotherapy in rectal cancer. *Cell reports. Medicine*, 6(1), 101887.
- Ren W, et al. (2025) Whole-genome sequencing reveals three follicular lymphoma subtypes with distinct cell of origin and patient outcomes. *Cell reports. Medicine*, 6(8), 102278.
- Christensen KA, et al. (2025) Masu salmon species complex relationships and sex chromosomes revealed from analyses of the masu salmon (*Oncorhynchus masou masou*) genome assembly. *G3 (Bethesda, Md.)*, 15(2).
- Wang S, et al. (2025) Structure-guided design of a prefusion GPC trimer induces neutralizing responses against LASV. *NPJ vaccines*, 10(1), 37.
- Xie H, et al. (2025) Fecal microbiota transplantation promotes functional recovery in mice with spinal cord injury by modulating the spinal cord microenvironment. *Journal of translational medicine*, 23(1), 210.
- Bi Z, et al. (2025) TRIM8 inhibits porcine epidemic diarrhoea virus replication by targeting and ubiquitinatingly degrading the nucleocapsid protein. *Veterinary research*, 56(1), 14.
- Zhang D, et al. (2025) Chromosome level genome assembly of 'Wanfeng' almond (*Prunus dulcis*). *Scientific data*, 12(1), 179.