

Resource Summary Report

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Sherman

RRID:SCR_001294

Type: Tool

Proper Citation

Sherman (RRID:SCR_001294)

Resource Information

URL: <http://www.bioinformatics.babraham.ac.uk/projects/sherman/>

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Description: Software tool to simulate FastQ files for high-throughput sequencing experiments. It allows the user to introduce various "contaminants" into the sequences, such as basecall errors, SNPs, adapter fragments etc., in order to evaluate the influence of common problems observed in many Next-Gen Sequencing experiments.

Abbreviations: Sherman

Synonyms: Sherman - bisulfite-treated Read FastQ Simulator

Resource Type: software resource

Keywords: perl, bisulfite sequencing, high-throughput sequencing, bio.tools

Funding:

Availability: GNU General Public License, v3 or newer

Resource Name: Sherman

Resource ID: SCR_001294

Alternate IDs: biotools:sherman, OMICS_02041

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

Record Creation Time: 20220129T080206+0000

Record Last Update: 20250410T064701+0000

Ratings and Alerts

No rating or validation information has been found for Sherman.

No alerts have been found for Sherman.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 115 mentions in open access literature.

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

van Elst T, et al. (2025) Integrative taxonomy clarifies the evolution of a cryptic primate clade. *Nature ecology & evolution*, 9(1), 57.

Hsu CY, et al. (2024) A distribution-free and analytic method for power and sample size calculation in single-cell differential expression. *Bioinformatics (Oxford, England)*, 40(9).

Austerberry J, et al. (2024) Mathematics Anxiety and Undergraduate Nursing Students: A Mixed Methods Study. *Nursing open*, 11(12), e70082.

Gómez-Bravo A, et al. (2024) Zoonotic Cycle of American Trypanosomiasis in an Endemic Region of the Argentine Chaco, Factors That Influenced a Paradigm Shift. *Insects*, 15(7).

Eswaran SUD, et al. (2024) Osmolyte-producing microbial biostimulants regulate the growth of *Arachis hypogaea* L. under drought stress. *BMC microbiology*, 24(1), 165.

Klein A, et al. (2024) Temporal dynamics in gastrointestinal helminth infections of sympatric mouse lemur species (*Microcebus murinus* and *Microcebus ravelobensis*) in Northwestern Madagascar. *International journal for parasitology. Parasites and wildlife*, 25, 100972.

Lu R, et al. (2024) A Novel Fault Diagnosis Method Using FCEEMD-Based Multi-Complexity Low-Dimensional Features and Directed Acyclic Graph LSTSVM. *Entropy (Basel, Switzerland)*, 26(12).

Lai Y, et al. (2024) Tutorial on compressed ultrafast photography. *Journal of biomedical optics*, 29(Suppl 1), S11524.

Gangl P, et al. (2024) Efficient and Accurate Separable Models for Discretized Material Optimization: A Continuous Perspective Based on Topological Derivatives. *Journal of*

geometric analysis, 34(7), 206.

Kaur H, et al. (2024) Microbes mediated alleviation of chromium (Cr VI) stress for improved phytoextraction in fodder maize (*Zea mays* L.) cultivar. *Heliyon*, 10(23), e40361.

Jung SY, et al. (2024) Pressure Ulcer Management Virtual Reality Simulation (PU-VRSim) for Novice Nurses: Mixed Methods Study. *JMIR serious games*, 12, e53165.

Buschermöhle Y, et al. (2024) Comparing the performance of beamformer algorithms in estimating orientations of neural sources. *iScience*, 27(3), 109150.

Maldonado P, et al. (2024) Treatment of Acquired Deforming Hypertonia with Botulinum Toxin in Older Population: A Retrospective Study. *Toxins*, 16(8).

Kawatsu K, et al. (2024) Unraveling emergent network indeterminacy in complex ecosystems: A random matrix approach. *Proceedings of the National Academy of Sciences of the United States of America*, 121(27), e2322939121.

Hnini M, et al. (2024) Genetic diversity, stress tolerance and phytobeneficial potential in rhizobacteria of *Vachellia tortilis* subsp. *raddiana*. *Environmental microbiome*, 19(1), 73.

Thakur S, et al. (2024) Isolation and Functional Characterization of Erythrofibrase: An Alfa-Fibrinogenase Enzyme from *Trimeresurus erythrurus* Venom of North-East India. *Toxins*, 16(4).

Rapello A, et al. (2024) Enzootic transmission of *Leishmania* spp. in gallery forests of the Brazilian Cerrado. *Revista brasileira de parasitologia veterinaria = Brazilian journal of veterinary parasitology : Orgao Oficial do Colegio Brasileiro de Parasitologia Veterinaria*, 33(4), e011624.

Trojek T, et al. (2023) Uncertainty of Quantitative X-ray Fluorescence Micro-Analysis of Metallic Artifacts Caused by Their Curved Shapes. *Materials (Basel, Switzerland)*, 16(3).

Sala S, et al. (2023) Type-I Hemins and Free Porphyrins from a Western Australian Sponge *Isabela* sp. *Marine drugs*, 21(1).

Nicklas J, et al. (2023) Particle-Bubble Interactions: an Investigation of the Three-Phase Contact Line by Atomic Force Microscopy. *Langmuir : the ACS journal of surfaces and colloids*, 39(38), 13630.