

Resource Summary Report

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ShotGun

RRID:SCR_002529

Type: Tool

Proper Citation

ShotGun (RRID:SCR_002529)

Resource Information

URL: <http://www.unc.edu/~yunmli/shotgun.html>

Proper Citation: ShotGun (RRID:SCR_002529)

Description: Software for short read simulating in order to facilitate sequencing-based study designs.

Synonyms: ShotGun: a Flexible Short Read Simulator to Facilitate Sequencing-based Study Designs

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

Defining Citation: [PMID:23357921](#)

Keywords: sequence based study design, short read stimulation, bio.tools

Funding:

Availability: Open source, Available for download, Tutorial available

Resource Name: ShotGun

Resource ID: SCR_002529

Alternate IDs: biotools:abcd, OMICS_00255

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

Record Creation Time: 20220129T080213+0000

Record Last Update: 20250417T065112+0000

Ratings and Alerts

No rating or validation information has been found for ShotGun.

No alerts have been found for ShotGun.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 26 mentions in open access literature.

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

Banerjee G, et al. (2025) Deep sequencing-derived Metagenome Assembled Genomes from the gut microbiome of liver transplant patients. Scientific data, 12(1), 39.

Pang Y, et al. (2024) Predicting adherence to gamified cognitive training using early phase game performance data: Towards a just-in-time adherence promotion strategy. PloS one, 19(10), e0311279.

Sirirungruang S, et al. (2024) Structural and biochemical basis for regiospecificity of the flavonoid glycosyltransferase UGT95A1. The Journal of biological chemistry, 300(9), 107602.

Feng M, et al. (2024) Microbial genetic potential differs among cryospheric habitats of the Damma glacier. Microbial genomics, 10(10).

Cowie AE, et al. (2024) The crystal structure of Grindelia robusta 7,13-copalyl diphosphate synthase reveals active site features controlling catalytic specificity. The Journal of biological chemistry, 300(12), 107921.

Debeljak P, et al. (2023) Seasonal patterns in microbial carbon and iron transporter expression in the Southern Ocean. Microbiome, 11(1), 187.

Avelar-Barragan J, et al. (2023) Characterizing the microbiome of patients with myeloproliferative neoplasms during a Mediterranean diet intervention. mBio, 14(6), e0230823.

Pietrzak B, et al. (2022) A Clinical Outcome of the Anti-PD-1 Therapy of Melanoma in Polish Patients Is Mediated by Population-Specific Gut Microbiome Composition. Cancers, 14(21).

Ghosh TS, et al. (2022) Toward an improved definition of a healthy microbiome for healthy

aging. *Nature aging*, 2(11), 1054.

Demarchi B, et al. (2022) Ancient proteins resolve controversy over the identity of *Genyornis* eggshell. *Proceedings of the National Academy of Sciences of the United States of America*, 119(43), e2109326119.

Bloom SM, et al. (2022) Cysteine dependence of *Lactobacillus iners* is a potential therapeutic target for vaginal microbiota modulation. *Nature microbiology*, 7(3), 434.

Bashir AK, et al. (2021) Taxonomic and functional analyses of intact microbial communities thriving in extreme, astrobiology-relevant, anoxic sites. *Microbiome*, 9(1), 50.

Zabulica M, et al. (2021) Gene Editing Correction of a Urea Cycle Defect in Organoid Stem Cell Derived Hepatocyte-like Cells. *International journal of molecular sciences*, 22(3).

Panibe JP, et al. (2021) Chromosomal-level genome assembly of the semi-dwarf rice Taichung Native 1, an initiator of Green Revolution. *Genomics*, 113(4), 2656.

López-Moreno A, et al. (2021) Representative *Bacillus* sp. AM1 from Gut Microbiota Harbor Versatile Molecular Pathways for Bisphenol A Biodegradation. *International journal of molecular sciences*, 22(9).

Chua SMH, et al. (2021) Structural features of *Cryptococcus neoformans* bifunctional GAR/AIR synthetase may present novel antifungal drug targets. *The Journal of biological chemistry*, 297(4), 101091.

Thannesberger J, et al. (2021) Viral metagenomics reveals the presence of novel Zika virus variants in *Aedes* mosquitoes from Barbados. *Parasites & vectors*, 14(1), 343.

Kattupalli D, et al. (2021) The Draft Genome of Yellow Stem Borer, an Agriculturally Important Pest, Provides Molecular Insights into Its Biology, Development and Specificity Towards Rice for Infestation. *Insects*, 12(6).

Patzold F, et al. (2020) Advantages of an easy-to-use DNA extraction method for minimal-destructive analysis of collection specimens. *PloS one*, 15(7), e0235222.

McClelland LJ, et al. (2020) Structure of the G protein chaperone and guanine nucleotide exchange factor Ric-8A bound to G α i1. *Nature communications*, 11(1), 1077.