

Resource Summary Report

Generated by T1D on Jul 29, 2026

BSSim

RRID:SCR_001212

Type: Tool

Proper Citation

BSSim (RRID:SCR_001212)

Resource Information

URL: <http://122.228.158.106/BSSim/>

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Description: Software to mimic various methylation level and bisulfite conversion rate in CpG, CHG and CHH context, respectively. It can also simulate genetic variations that are divergent from the reference sequence along with the sequencing error and quality distributions. In the output, both directional/non-directional, various read length, single/paired-end reads and alignment data in the SAM format can be generated. BSSim is a cross-platform BS-seq simulator offers output read datasets not only suitable for Illumina's Solexa, but also for Roche's 454 and Applied Biosystems' SOLiD.

Abbreviations: BSSim

Synonyms: BSSim: Bisulfite sequencing simulator for next-generation sequencing

Resource Type: software resource

Keywords: bisulfite sequencing, simulator, next-generation sequencing, python, dna methylation, snp, read quality

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: BSSim

Resource ID: SCR_001212

Alternate IDs: OMICS_02130

Record Creation Time: 20220129T080206+0000

Record Last Update: 20260725T190457+0000

Ratings and Alerts

No rating or validation information has been found for BSSim.

No alerts have been found for BSSim.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#) .

Xie Q, et al. (2014) A Bayesian framework to identify methylcytosines from high-throughput bisulfite sequencing data. PLoS computational biology, 10(9), e1003853.