

Resource Summary Report

Generated by [nidm-terms](#) on Jul 28, 2026

SSW Library

RRID:SCR_024089

Type: Tool

Proper Citation

SSW Library (RRID:SCR_024089)

Resource Information

URL: <https://github.com/mengyao/Complete-Striped-Smith-Waterman-Library>

Proper Citation: SSW Library (RRID:SCR_024089)

Description: SIMD Smith-Waterman C/C++ library for use in genomic applications. SSW is a fast implementation of the Smith-Waterman algorithm, which uses the Single-Instruction Multiple-Data (SIMD) instructions to parallelize the algorithm at the instruction level. SSW library provides an API that can be flexibly used by programs written in C, C++ and other languages.

Synonyms: , SIMD Smith-Waterman Library, libssw, Complete-Striped-Smith-Waterman-Library

Resource Type: software library, software resource, software toolkit

Defining Citation: [PMID:24324759](#)

Keywords: Smith-Waterman algorithm, C/C++ library, genomic applications, Single-Instruction Multiple-Data, parallelize algorithm at instruction level,

Availability: Free, Available for download, Freely available,

Resource Name: SSW Library

Resource ID: SCR_024089

Alternate IDs: OMICS_20525

Alternate URLs: <https://sources.debian.org/src/libssw/>

License: MIT License

Record Creation Time: 20230824T050211+0000

Record Last Update: 20260728T043703+0000

Ratings and Alerts

No rating or validation information has been found for SSW Library.

No alerts have been found for SSW Library.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.