## **Resource Summary Report**

Generated by NIF on Apr 25, 2025

## **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 toolkit, software resource

Defining Citation: PMID:24324759

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

Funding:

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: 20250425T060554+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.