

# Resource Summary Report

Generated by T1D on Sep 5, 2026

## SSW Library

RRID:SCR\_024089

Type: Tool

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### Proper Citation

SSW Library (RRID:SCR\_024089)

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### Resource Information

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

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**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](https://pubmed.ncbi.nlm.nih.gov/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:** 20260904T000120+0000

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## Ratings and Alerts

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

No alerts have been found for SSW Library.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.