

# Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 9, 2026

## Emboss Water

RRID:SCR\_025141

Type: Tool

### Proper Citation

Emboss Water (RRID:SCR\_025141)

### Resource Information

**URL:** [https://www.ebi.ac.uk/jdispatcher/psa/emboss\\_water](https://www.ebi.ac.uk/jdispatcher/psa/emboss_water)

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**Description:** EMBOSS Water uses Smith-Waterman algorithm to calculate the local alignment of two sequences. Pairwise sequence alignment. Used for determining protein-to-protein homology.

**Resource Type:** software resource, data access protocol, web service

**Keywords:** EMBL-EBI, pairwise sequence alignment, calculate local alignment of two sequences, determining protein-to-protein homology,

**Availability:** Free, Freely available

**Resource Name:** Emboss Water

**Resource ID:** SCR\_025141

**Alternate IDs:** biotools:water-ebi

**Alternate URLs:** <https://bio.tools/water-ebi>

**Record Creation Time:** 20240326T053237+0000

**Record Last Update:** 20260808T190711+0000

### Ratings and Alerts

No rating or validation information has been found for Emboss Water.

No alerts have been found for Emboss Water.

### Data and Source Information

## Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Ghosh S, et al. (2026) A dual functional inhibitory molecule to combat GyrA-ParC and associated mutants in fluoroquinolone-resistant *Shigella flexneri* causing shigellosis: an ML guided and quantum simulation-based in silico approach. *Frontiers in bioinformatics*, 6, 1765216.

Matboli M, et al. (2025) Machine learning-based stratification of prediabetes and type 2 diabetes progression. *Diabetology & metabolic syndrome*, 17(1), 227.

Hisano T, et al. (2025) Complete genome sequence of *Thermodesulfovibrio* sp. strain TK500a, isolated from Nakabusa Hot Springs, Japan. *Microbiology resource announcements*, 14(11), e0075625.

Hawley HR, et al. (2025) N-terminal oligomerization drives HDAC4 nuclear condensation and neurodevelopmental dysfunction in *Drosophila*. *Open biology*, 15(10), 250095.

Bojórquez-Armenta YJ, et al. (2025) Characterization of Endoglucanase (GH9) Gene Family in Tomato and Its Expression in Response to *Rhizophagus irregularis* and *Sclerotinia sclerotiorum*. *Plants (Basel, Switzerland)*, 14(22).

Vergish S, et al. (2025) Rhomboid-mediated cleavage of the immune receptor XA21 protects grain set and male fertility in rice. *Proceedings of the National Academy of Sciences of the United States of America*, 122(22), e2502025122.

Julian-Chávez B, et al. (2024) Silencing ACE1 Gene with dsRNA of Different Lengths Impairs Larval Development in *Leptinotarsa decemlineata*. *Insects*, 15(12).

Zhang Y, et al. (2024) Sinuous Is a Claudin Required for Locust Molt in *Locusta migratoria*. *Genes*, 15(7).

Andrade-Pavón D, et al. (2024) Review and Current Perspectives on DNA Topoisomerase I and II Enzymes of Fungi as Study Models for the Development of New Antifungal Drugs. *Journal of fungi (Basel, Switzerland)*, 10(9).