

Resource Summary Report

Generated by [ASWG](#) on Sep 18, 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

Proper Citation: Emboss Water (RRID:SCR_025141)

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: data access protocol, software resource, 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: 20260912T200438+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 [ASWG](#) .

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).