

Resource Summary Report

Generated by T1D on Aug 4, 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: web service, data access protocol, software resource

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: 20260804T043826+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

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#) .

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.

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.

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

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

Andrade-Pav??n 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).