

Resource Summary Report

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Clustal 2

RRID:SCR_017055

Type: Tool

Proper Citation

Clustal 2 (RRID:SCR_017055)

Resource Information

URL: <http://www.clustal.org/clustal2/>

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Description: Software tool for nucleotide sequence alignment. Graphical version of multiple sequence alignment program for DNA and proteins. Windows interface for ClustalW multiple sequence alignment program. Provides integrated environment for performing multiple sequence and profile alignments and analyzing results. Available on Linux, Mac and Windows.

Synonyms: Clustalx, CLUSTAL_X, clustalx, clustal X, clustal2

Resource Type: alignment software, data processing software, data visualization software, image analysis software, software application, software resource

Defining Citation: [PMID:17846036](#), [PMID:9396791](#)

Keywords: graphical, multiple, sequence, alignment, DNA, protein

Funding: CNRS ;
EMBL ;
INSERM ;
Ministère de la Recherche et Technologie ;
Science Foundation Ireland

Availability: Free, Available for download, Freely available

Resource Name: Clustal 2

Resource ID: SCR_017055

Alternate IDs: biotools:clustal2

Alternate URLs: http://www.clustal.org/download/clustalx_help.html,
<https://bio.tools/clustal2>

License: GNU Lesser GPL

Record Creation Time: 20220129T080333+0000

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Ratings and Alerts

No rating or validation information has been found for Clustal 2.

No alerts have been found for Clustal 2.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1535 mentions in open access literature.

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

Ghoochani A, et al. (2026) Cell-type resolved protein atlas of brain lysosomes identifies SLC45A1-associated disease as a lysosomal disorder. *Cell*, 189(3), 765.

López-Guzmán SF, et al. (2026) Molecular Characterization of the Murine Catsper4 Promoter and its Regulation by CREM?. *Reproductive sciences (Thousand Oaks, Calif.)*, 33(2), 411.

Sanchez SG, et al. (2026) A Spinster-like Transporter at the Inner Membrane Complex is critical for *Toxoplasma gondii* cytokinesis, motility and invasion. *PLoS pathogens*, 22(1), e1013886.

Wang Y, et al. (2026) An RPA-CRISPR/Cas12a-based rapid and sensitive nucleic acid method for detection of *Toxoplasma gondii* in tissue and blood samples. *Microbiology spectrum*, 14(1), e0155025.

Gu H, et al. (2026) The Molecular Characterization and Functional Analysis of *Pomacea canaliculata* Boule: A Central Player in Spermatogenesis and Male Fertility. *Biology*, 15(7).

Li J, et al. (2026) Identification of the phosphate transporter 1 family genes in the *Eucalyptus grandis* genome and their expression under different phosphate regimes. *BMC genomics*, 27(1), 148.

Cao Z, et al. (2026) Genome-Wide Identification of the JAZ Gene Family in Garlic (*Allium sativum* L.) and the Functional Role of AsJAZ17 in Salt Tolerance. *Plants (Basel, Switzerland)*, 15(10).

Tang Y, et al. (2025) Insights into the mechanism of substrate specificity in a novel PL15_3 subfamily oligo-alginate lyase VBAlly15A. *Applied and environmental microbiology*, 91(3), e0235124.

Wu G, et al. (2025) Identification of nuclear factor YA6 genes in sorghum and characterization of their involvement in drought tolerance. *Frontiers in plant science*, 16, 1524066.

Liu J, et al. (2025) Hypoxia induces ferroptotic cell death mediated by activation of the inner mitochondrial membrane fission protein MTP18/Drp1 in invertebrates. *The Journal of biological chemistry*, 301(3), 108326.

Xiang T, et al. (2025) The dynamic regulatory network of stamens and pistils in papaya. *BMC plant biology*, 25(1), 254.

Wang J, et al. (2025) Genome-wide characterization and expression profiling of FIMBRIN gene family members in response to abiotic stress in *Medicago sativa*. *BMC plant biology*, 25(1), 575.

Kim UJ, et al. (2025) Severe Fever with Thrombocytopenia Syndrome Acquired through Dog Bite, South Korea. *Emerging infectious diseases*, 31(8), 1680.

Pan S, et al. (2025) Epidemiology and molecular typing of multidrug resistant *Acinetobacter baumannii* burn wound isolates from six Chinese provinces. *Scientific reports*, 15(1), 45076.

Mellere L, et al. (2025) Unravelling the Potential of Fungal Division of Labour in the Laccase Producer *Coriopsis trogii* MUT3379 Through Protoplast Formation and Regeneration. *Journal of fungi (Basel, Switzerland)*, 11(12).

Li N, et al. (2025) Genome-Wide Analysis and Functional Characterization of Small Heat Shock Proteins in *Allium sativum* L. Under Multiple Abiotic Stresses. *Biology*, 14(10).

Baruah A, et al. (2025) Patho-Ecological Distribution and Genetic Diversity of *Fusarium oxysporum* f. sp. *cubense* in Malbhog Banana Belts of Assam, India. *Journal of fungi (Basel, Switzerland)*, 11(3).

Sun J, et al. (2025) Characterization analyses of MADS-box genes highlighting their functions with seed development in *Ricinus communis*. *Frontiers in plant science*, 16, 1589915.

Qiu Y, et al. (2025) Detection of TuMV by a toehold switch sensor coupled with NASBA amplification in *Pseudostellaria heterophylla*. *Plant methods*, 21(1), 81.

Xie Z, et al. (2025) A familial study of a de novo FG gene mutation causing congenital hypofibrinogenaemia and intervention during pregnancy and childbirth. *Scientific reports*, 15(1), 7267.