

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

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

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

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

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 1480 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

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.

Tang Y, et al. (2025) Insights into the mechanism of substrate specificity in a novel PL15_3 subfamily oligo-alginate lyase VBAly15A. *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.

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.

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.

Boonzaier JJ, et al. (2025) Characterization of *Zalaria obscura* Y1223 hydrolases: implications for lignocellulose conversion. *AMB Express*, 15(1), 109.

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).

Lin T, et al. (2025) Effects of Orally Delivered Double-Stranded RNA of Trehalose-6-Phosphate Synthase on the Population of *Frankliniella occidentalis*. *Insects*, 16(6).

Bunchom N, et al. (2025) Genetic structure and geographical distribution of *Bithynia siamensis sensu lato* from Khong and Mounlapamok districts, Champasak Province, Laos. *Tropical medicine and health*, 53(1), 44.

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

Zhang A, et al. (2025) Interferon-stimulated circHOMER1 attenuates antiviral innate immunity. *mBio*, 16(8), e0149725.

Zhang YJ, et al. (2025) A novel male accessory gland peptide reduces female post-mating receptivity in the brown planthopper. *PLoS genetics*, 21(5), e1011699.

Vizarraga D, et al. (2025) Sources of essential lipids for *Mycoplasma pneumoniae* via P116 to target liver and atherosclerotic lesions. *Nature communications*, 16(1), 11159.

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 *Coriolopsis trogii* MUT3379 Through Protoplast Formation and Regeneration. *Journal of fungi (Basel, Switzerland)*, 11(12).

Park SK, et al. (2025) Structural basis for the evolution of a domesticated group II intron-like reverse transcriptase to function in host cell DNA repair. *Proceedings of the National Academy of Sciences of the United States of America*, 122(31), e2504208122.

Xiong H, et al. (2025) Whole Exome Sequencing Identifies a Novel Frameshift Mutation of the WRN Gene in a Werner Syndrome Family and Functional Analysis. *Molecular genetics & genomic medicine*, 13(6), e70118.