Resource Summary Report

Generated by NIF on May 15, 2025

T-Coffee

RRID:SCR_011818

Type: Tool

Proper Citation

T-Coffee (RRID:SCR_011818)

Resource Information

URL: http://tcoffee.crg.cat/apps/tcoffee/do:regular

Proper Citation: T-Coffee (RRID:SCR_011818)

Description: A multiple sequence alignment server which can align Protein, DNA and RNA

sequences.

Abbreviations: T-Coffee

Synonyms: T-Coffee: Aligns DNA RNA or Proteins using the default T-Coffee

Resource Type: data analysis service, service resource, analysis service resource,

production service resource

Defining Citation: PMID:10964570, DOI:10.1006/jmbi.2000.4042

Keywords: bio.tools

Funding:

Resource Name: T-Coffee

Resource ID: SCR_011818

Alternate IDs: biotools:tcoffee, OMICS_00989

Alternate URLs: https://bio.tools/tcoffee, https://sources.debian.org/src/t-coffee/

Record Creation Time: 20220129T080306+0000

Record Last Update: 20250514T061600+0000

Ratings and Alerts

No rating or validation information has been found for T-Coffee.

No alerts have been found for T-Coffee.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1063 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Lee H, et al. (2025) Structural comparison of substrate-binding pockets of serine ?-lactamases in classes A, C, and D. Journal of enzyme inhibition and medicinal chemistry, 40(1), 2435365.

Argoetti A, et al. (2025) IncRNA NORAD modulates STAT3/STAT1 balance and innate immune responses in human cells via interaction with STAT3. Nature communications, 16(1), 571.

Macdonald JFH, et al. (2025) Exploring Tetraselmis chui microbiomes-functional metagenomics for novel catalases and superoxide dismutases. Applied microbiology and biotechnology, 109(1), 6.

Magyar LB, et al. (2025) Pore-Forming Toxin-Like Proteins in the Anti-Parasitoid Immune Response of Drosophila. Journal of innate immunity, 17(1), 10.

Zhang X, et al. (2025) Harnessing eukaryotic retroelement proteins for transgene insertion into human safe-harbor loci. Nature biotechnology, 43(1), 42.

Waqar S, et al. (2025) Arsenic efflux and bioremediation potential of Klebsiella oxytoca via the arsB gene. PloS one, 20(1), e0307918.

Baltzis A, et al. (2025) multistrap: boosting phylogenetic analyses with structural information. Nature communications, 16(1), 293.

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. bioRxiv: the preprint server for biology.

Joshi M, et al. (2025) In Silico Prediction of Maize microRNA as a Xanthine Oxidase Inhibitor: A New Approach to Treating Hyperuricemia Patients. Non-coding RNA, 11(1).

Ziaikin E, et al. (2025) BitterDB: 2024 update on bitter ligands and taste receptors. Nucleic acids research, 53(D1), D1645.

Bandura J, et al. (2025) Distinct Proteomic Brain States Underlying Long-Term Memory Formation in Aversive Operant Conditioning. Journal of proteome research, 24(1), 27.

Kamilari E, et al. (2025) Bacillus safensis APC 4099 has broad-spectrum antimicrobial activity against both bacteria and fungi and produces several antimicrobial peptides, including the novel circular bacteriocin safencin E. Applied and environmental microbiology, 91(1), e0194224.

Camargo PG, et al. (2025) In vitro assays identified thiohydantoins with anti-trypanosomatid activity and molecular modelling studies indicated possible selective CYP51 inhibition. Scientific reports, 15(1), 465.

Kumar P, et al. (2024) A translation proofreader of archaeal origin imparts multi-aldehyde stress tolerance to land plants. eLife, 12.

Pearson GJ, et al. (2024) ER-export and ARFRP1/AP-1-dependent delivery of SARS-CoV-2 Envelope to lysosomes controls late stages of viral replication. Science advances, 10(14), eadl5012.

Wang L, et al. (2024) Complete Mitogenome sequencing of the fish louse Argulus japonicus (Crustacea: Branchiura): Comparative analyses and phylogenetic implications. Frontiers in veterinary science, 11, 1376898.

King WR, et al. (2024) The glycerophosphocholine acyltransferase Gpc1 contributes to phosphatidylcholine biosynthesis, long-term viability, and embedded hyphal growth in Candida albicans. The Journal of biological chemistry, 300(1), 105543.

Douchet P, et al. (2024) The abundance of snail hosts mediates the effects of antagonist interactions between trematodes on the transmission of human schistosomes. Infectious diseases of poverty, 13(1), 65.

Silverio MP, et al. (2024) Metagenome-derived SusD-homologs affiliated with Bacteroidota bind to synthetic polymers. Applied and environmental microbiology, 90(7), e0093324.

Tara A, et al. (2024) CRISPR-mediated editing of ?-lactoglobulin (BLG) gene in buffalo. Scientific reports, 14(1), 14822.