Resource Summary Report

Generated by NIF on Apr 19, 2025

EDNA

RRID:SCR_012981
Type: Tool

Proper Citation

EDNA (RRID:SCR_012981)

Resource Information

URL: http://sourceforge.net/projects/msa-edna/

Proper Citation: EDNA (RRID:SCR_012981)

Description: Software for Multiple Sequence Alignment for Transcription Factor Binding Sites using Di nucleotides dependencies and relying on Free Interaction energies between neighbouring DNA bases to stabilise substitution energy of the alignment.

Abbreviations: EDNA

Synonyms: EDNA - Energy Based Multiple Sequence Alignment (MSA) for Binding Sites

Resource Type: software resource

Defining Citation: PMID:23990411

Keywords: matlab

Funding:

Availability: Creative Commons Attribution NonCommercial License, v2

Resource Name: EDNA

Resource ID: SCR_012981

Alternate IDs: OMICS_00974

Record Creation Time: 20220129T080313+0000

Record Last Update: 20250410T070321+0000

Ratings and Alerts

No rating or validation information has been found for EDNA.

No alerts have been found for EDNA.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 30 mentions in open access literature.

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

Nagy G, et al. (2024) Reference Data Set for Circular Dichroism Spectroscopy Comprised of Validated Intrinsically Disordered Protein Models. Applied spectroscopy, 78(9), 897.

Jennings J, et al. (2024) Predicting successful draft outcome in Australian Rules football: Model sensitivity is superior in neural networks when compared to logistic regression. PloS one, 19(2), e0298743.

Jensen MR, et al. (2024) The Core of the Matter-Importance of Identification Method and Biological Replication for Benthic Marine Monitoring. Ecology and evolution, 14(11), e70556.

Haataja T, et al. (2023) Enzyme kinetics by GH7 cellobiohydrolases on chromogenic substrates is dictated by non-productive binding: insights from crystal structures and MD simulation. The FEBS journal, 290(2), 379.

Semrau MS, et al. (2022) Molecular architecture of the glycogen- committed PP1/PTG holoenzyme. Nature communications, 13(1), 6199.

Banerjee S, et al. (2022) Protonation State of an Important Histidine from High Resolution Structures of Lytic Polysaccharide Monooxygenases. Biomolecules, 12(2).

Wilson PH, et al. (2021) Home-based (virtual) rehabilitation improves motor and cognitive function for stroke patients: a randomized controlled trial of the Elements (EDNA-22) system. Journal of neuroengineering and rehabilitation, 18(1), 165.

Ernits K, et al. (2021) Structural Insight into a Yeast Maltase-The BaAG2 from Blastobotrys adeninivorans with Transglycosylating Activity. Journal of fungi (Basel, Switzerland), 7(10).

Ryzhykau YL, et al. (2021) Molecular model of a sensor of two-component signaling system. Scientific reports, 11(1), 10774.

Qin L, et al. (2020) Structural basis for osmotic regulation of the DNA binding properties of H-

NS proteins. Nucleic acids research, 48(4), 2156.

Carraro L, et al. (2020) Environmental DNA allows upscaling spatial patterns of biodiversity in freshwater ecosystems. Nature communications, 11(1), 3585.

Dunne OM, et al. (2020) A Dimerization Site at SCR-17/18 in Factor H Clarifies a New Mechanism for Complement Regulatory Control. Frontiers in immunology, 11, 601895.

Sajko S, et al. (2020) Structures of three MORN repeat proteins and a re-evaluation of the proposed lipid-binding properties of MORN repeats. PloS one, 15(12), e0242677.

Das S, et al. (2019) Structural Organization and Dynamics of Homodimeric Cytohesin Family Arf GTPase Exchange Factors in Solution and on Membranes. Structure (London, England : 1993), 27(12), 1782.

Rose JP, et al. (2019) Traditional trapping methods outperform eDNA sampling for introduced semi-aquatic snakes. PloS one, 14(7), e0219244.

Hover BM, et al. (2018) Culture-independent discovery of the malacidins as calcium-dependent antibiotics with activity against multidrug-resistant Gram-positive pathogens. Nature microbiology, 3(4), 415.

Borchert A, et al. (2018) Crystal structure and functional characterization of selenocysteine-containing glutathione peroxidase 4 suggests an alternative mechanism of peroxide reduction. Biochimica et biophysica acta. Molecular and cell biology of lipids, 1863(9), 1095.

Blåhed IM, et al. (2018) Discovery of SNPs for individual identification by reduced representation sequencing of moose (Alces alces). PloS one, 13(5), e0197364.

Buxton AS, et al. (2018) Seasonal variation in environmental DNA detection in sediment and water samples. PloS one, 13(1), e0191737.

Högfors-Rönnholm E, et al. (2018) Indirect DNA extraction method suitable for acidic soil with high clay content. MethodsX, 5, 136.