Resource Summary Report

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Agadir

RRID:SCR_008402
Type: Tool

Proper Citation

Agadir (RRID:SCR_008402)

Resource Information

URL: http://www.embl-heidelberg.de/Services/serrano/agadir/agadir-start.html

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Description: A prediction algorithm based on the helix/coil transition theory. Agadir predicts the helical behaviour of monomeric peptides. It only considers short range interactions. Conditions such as pH, temperature and ionic strength are used in the calculation. Modifications of the termini are also allowed. To submit a job to Agadir, log in the calculation part using the login button in the right bottom. Then fill-in the input form and proceed to next page, etc. You will reach a final page that resumes all the input information and allows you to run the calculation. You can submit one or more peptide sequences in one-letter format. Sequences should be separated by one return character. Spaces and tabulations are automatically removed. Only standard amino acids are accepted. Agadir accepts two modifications at the N-terminus (acetylation or succynilation), and one at the C-terminus (amidation). Just choose the desired option in the input form. You can use only one set of parameters: temperature, ionic strength (calibrated for NaCl) and pH, or explore a particular range of conditions for one parameter. In the latter case the intervals between any two values are: Ionic strength 0.05 M Temperature 1 K pH 0.2 units When setting the conditions for these parameters please be aware that the allowed ranges are: Ionic strength between 0.001 and 1 M Temperature between 273 and 400 K pH between 1 and 14 Output of the prediction at the residue level is available only when submitting no more than ten peptide sequences, and without any screening of conditions. Hstaple is the Hydrophobic Staple motif, Schellman is the Shellman motif, CaH are the expecte chemical shifts of the Calpha proton, 13Ca are the alpha Carbon 13 chemical shifts, JaN is the Jalpha--nitrogen coupling.

Synonyms: Agadir

Resource Type: algorithm

Funding:

Resource Name: Agadir

Resource ID: SCR_008402

Alternate IDs: nif-0000-30072

Record Creation Time: 20220129T080247+0000

Record Last Update: 20250420T014421+0000

Ratings and Alerts

No rating or validation information has been found for Agadir.

No alerts have been found for Agadir.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 48 mentions in open access literature.

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

Kissani N, et al. (2024) The burden of headache disorders in the adult population of Morocco: estimates, and a health-care needs assessment, from a cross-sectional population-based door-to-door survey. The journal of headache and pain, 25(1), 227.

Rouijel S, et al. (2024) Awareness, Knowledge and Attitudes Toward Management of Avulsed Permanent Incisors Among Primary School Teachers. Clinical, cosmetic and investigational dentistry, 16, 267.

Haddad H, et al. (2024) Evaluation of the antiviral activity of new dermaseptin analogs against Zika virus. Biochemistry and biophysics reports, 39, 101747.

Ramdani FZ, et al. (2024) Internet addiction, social phobia, substance abuse, and depression in the university setting: a cross-sectional study in the southern region of Morocco. Frontiers in psychology, 15, 1398989.

Haddad H, et al. (2024) Evaluation of the Antibacterial Activity of New Dermaseptin Derivatives against Acinetobacter baumannii. Pharmaceuticals (Basel, Switzerland), 17(2).

Kissani N, et al. (2024) The prevalence of headache in the adult population of Morocco: a cross-sectional population-based study. The journal of headache and pain, 25(1), 49.

Conlon JM, et al. (2023) Purification, conformational analysis and cytotoxic activities of host-defense peptides from the Tungara frog Engystomops pustulosus (Leptodactylidae; Leiuperinae). Amino acids, 55(10), 1349.

Derdouri A, et al. (2023) Spatiotemporal Thermal Variations in Moroccan Cities: A Comparative Analysis. Sensors (Basel, Switzerland), 23(13).

Pintado-Grima C, et al. (2023) aSynPEP-DB: a database of biogenic peptides for inhibiting ?-synuclein aggregation. Database : the journal of biological databases and curation, 2023.

Sato N, et al. (2023) Rational peptide design for inhibition of the KIX-MLL interaction. Scientific reports, 13(1), 6330.

Reddy CN, et al. (2021) Designing BH3-Mimetic Peptide Inhibitors for the Viral Bcl-2 Homologues A179L and BHRF1: Importance of Long-Range Electrostatic Interactions. ACS omega, 6(41), 26976.

Zhao VY, et al. (2021) Switching an active site helix in dihydrofolate reductase reveals limits to subdomain modularity. Biophysical journal, 120(21), 4738.

Devi YD, et al. (2021) Immunoinformatics mapping of potential epitopes in SARS-CoV-2 structural proteins. PloS one, 16(11), e0258645.

Marih L, et al. (2021) Missed opportunities for HIV testing in patients newly diagnosed with HIV in Morocco. BMC infectious diseases, 21(1), 48.

Gómez-Caballero A, et al. (2021) Solid-phase synthesis of imprinted nanoparticles as artificial antibodies against the C-terminus of the cannabinoid CB1 receptor: exploring a viable alternative for bioanalysis. Mikrochimica acta, 188(11), 368.

Cuevas-Velazquez CL, et al. (2021) Intrinsically disordered protein biosensor tracks the physical-chemical effects of osmotic stress on cells. Nature communications, 12(1), 5438.

Santos J, et al. (2021) ?-Helical peptidic scaffolds to target ?-synuclein toxic species with nanomolar affinity. Nature communications, 12(1), 3752.

Loening NM, et al. (2020) Interplay of Disorder and Sequence Specificity in the Formation of Stable Dynein-Dynactin Complexes. Biophysical journal, 119(5), 950.

Ezzine H, et al. (2020) Influenza epidemiology and risk factors for severe acute respiratory infection in Morocco during the 2016/2017 and 2017/2018 seasons. The Pan African medical journal, 36, 159.

Amzerin M, et al. (2020) Cancer in Moroccan elderly: the first multicenter transverse study exploring the sociodemographic characteristics, clinical profile and quality of life of elderly Moroccan cancer patients. BMC cancer, 20(1), 983.