

Resource Summary Report

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Prediction of Amyloid Structure Aggregation

RRID:SCR_001768

Type: Tool

Proper Citation

Prediction of Amyloid Structure Aggregation (RRID:SCR_001768)

Resource Information

URL: <http://protein.bio.unipd.it/pasta2/>

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Description: Online interface that utilizes an algorithm to predict the most aggregation-prone portions and the corresponding beta-strand inter-molecular pairing for a given input sequence. Users can paste the sequence into the interface and output the appropriate sequence.

Abbreviations: PASTA

Synonyms: PASTA 2.0, Prediction of amyloid structure aggregation

Resource Type: web application, software resource, production service resource, service resource, data analysis service, analysis service resource

Defining Citation: [PMID:24848016](#)

Keywords: protein aggregation, sequence, dna, rna, amyloid structure, protein analysis, bio.tools

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Availability: Free, Freely available

Resource Name: Prediction of Amyloid Structure Aggregation

Resource ID: SCR_001768

Alternate IDs: biotools:pasta, OMICS_03861

Alternate URLs: <https://bio.tools/pasta>

Record Creation Time: 20220129T080209+0000

Record Last Update: 20260803T040308+0000

Ratings and Alerts

No rating or validation information has been found for Prediction of Amyloid Structure Aggregation.

No alerts have been found for Prediction of Amyloid Structure Aggregation.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 177 mentions in open access literature.

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

Sarrazin-Gendron R, et al. (2025) Improving microbial phylogeny with citizen science within a mass-market video game. *Nature biotechnology*, 43(1), 76.

Errico S, et al. (2025) Structural commonalities determined by physicochemical principles in the complex polymorphism of the amyloid state of proteins. *The Biochemical journal*, 482(2), 87.

Schalch-Schuler M, et al. (2025) The planktonic freshwater ciliate *Balanion planctonicum* (Ciliophora, Prostomatea): A cryptic species complex or a "complex species"? *The Journal of eukaryotic microbiology*, 72(1), e13084.

Elasbali AM, et al. (2025) A structural genomics approach to investigate Dystrophin mutations and their impact on the molecular pathways of Duchenne muscular dystrophy. *Frontiers in genetics*, 16, 1517707.

Baronait?? I, et al. (2024) Formation of Calprotectin Inhibits Amyloid Aggregation of S100A8 and S100A9 Proteins. *ACS chemical neuroscience*, 15(9), 1915.

Zhang T, et al. (2024) Phylogenomic profiles of whole-genome duplications in Poaceae and landscape of differential duplicate retention and losses among major Poaceae lineages. *Nature communications*, 15(1), 3305.

Gupta A, et al. (2024) Accurate, scalable, and fully automated inference of species trees from raw genome assemblies using ROADIES. *bioRxiv : the preprint server for biology*.

Xu YH, et al. (2024) Evolutionary Modes of wtf Meiotic Driver Genes in *Schizosaccharomyces pombe*. *Genome biology and evolution*, 16(10).

Villanueva A, et al. (2024) Identification of the Bioavailable Peptidome of Chia Protein Hydrolysate and the In Silico Evaluation of Its Antioxidant and ACE Inhibitory Potential. *Journal of agricultural and food chemistry*, 72(6), 3189.

Aldrovandi S, et al. (2024) Expression of Random Sequences and de novo Evolved Genes From the Mouse in Human Cells Reveals Functional Diversity and Specificity. *Genome biology and evolution*, 16(12).

Rao NR, et al. (2024) Derailed protein turnover in the aging mammalian brain. *Molecular systems biology*, 20(2), 120.

Nguyen TTT, et al. (2024) Effects of carbon source addition in rearing water on sediment characteristics, growth and health of cultured marron (*Cherax cainii*). *Scientific reports*, 14(1), 1349.

Sharma K, et al. (2024) Cryo-EM observation of the amyloid key structure of polymorphic TDP-43 amyloid fibrils. *Nature communications*, 15(1), 486.

Malis V, et al. (2024) Aliphatic and Olefinic Fat Suppression in the Orbit Using Polarity-altered Spectral and Spatial Selective Acquisition (PASTA) with Opposed Phase. *Magnetic resonance in medical sciences : MRMS : an official journal of Japan Society of Magnetic Resonance in Medicine*, 23(2), 193.

Harkess A, et al. (2024) The unusual predominance of maintenance DNA methylation in *Spirodela polyrhiza*. *G3 (Bethesda, Md.)*, 14(4).

Boukheloua R, et al. (2024) Global freshwater distribution of *Telonemia* protists. *The ISME journal*, 18(1).

Lauterbach M, et al. (2024) Leaf transcriptomes from C3, C3-C4 intermediate, and C4 *Neurachne* species give insights into C4 photosynthesis evolution. *Plant physiology*, 197(1).

Chuang HY, et al. (2024) Engineered droplet-forming peptide as photocontrollable phase modulator for fused in sarcoma protein. *Nature communications*, 15(1), 5686.

Vakirlis N, et al. (2024) Large-scale investigation of species-specific orphan genes in the human gut microbiome elucidates their evolutionary origins. *Genome research*, 34(6), 888.

Wong HL, et al. (2024) Ubiquitous genome streamlined *Acidobacteriota* in freshwater environments. *ISME communications*, 4(1), ycae124.