

Resource Summary Report

Generated by [Kravitz](#) on Sep 10, 2026

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

Defining Citation: [PMID:24848016](#)

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

Funding: Padova University Progetto di Ateneo CPDA121890;
Italian Ministry for University and Research FIRB Futuro in Ricerca RBFR08ZSXY

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: 20260905T132439+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 180 mentions in open access literature.

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

Escobedo-González FC, et al. (2026) Charged membrane interfaces reshape the nucleation landscape of RIPK3 amyloid variants. European biophysics journal : EBJ.

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

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.

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.

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.

Hassan M, et al. (2025) Neurodegeneration Through the Lens of Bioinformatics Approaches: Computational Mechanisms of Protein Misfolding. International journal of molecular sciences, 26(22).

Dong Y, et al. (2025) Novel multitarget ACE inhibitory peptides from grass carp swim bladder: Identification and potential antihypertensive mechanism. Food chemistry: X, 32, 103294.

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.

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

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*.

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).

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.

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

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

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

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

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.

Lauterbach M, et al. (2024) Leaf transcriptomes from C3, C3-C4 intermediate, and C4Neurachne species give insights into C4 photosynthesis evolution. *Plant physiology*, 197(1).