

Supplementary data for article:

Stanković, I. M.; Božinovski, D. M.; Brothers, E. N.; Belić, M. R.; Hall, M. B.; Zarić, S. D.  
Interactions of Aromatic Residues in Amyloids: A Survey of Protein Data Bank Crystallographic  
Data. *Crystal Growth and Design* **2017**, *17* (12), 6353–6362.  
<https://doi.org/10.1021/acs.cgd.7b01035>

## Supporting Information for the Manuscript

# Interactions of aromatic residues in amyloids: A Survey of PDB Crystallographic Data

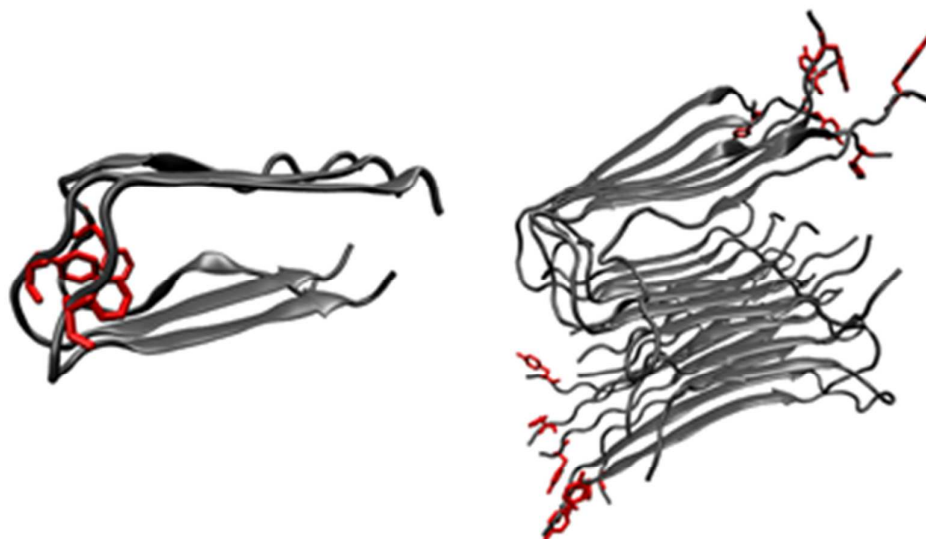
Authors:

*Ivana M. Stanković<sup>1</sup>, Dragana M. Božinovski<sup>2</sup>, Edward N. Brothers<sup>3</sup>, Milivoj R. Belić<sup>3</sup>, Michael B. Hall<sup>4</sup> and Snežana. D. Zarić<sup>2,3\*</sup>*

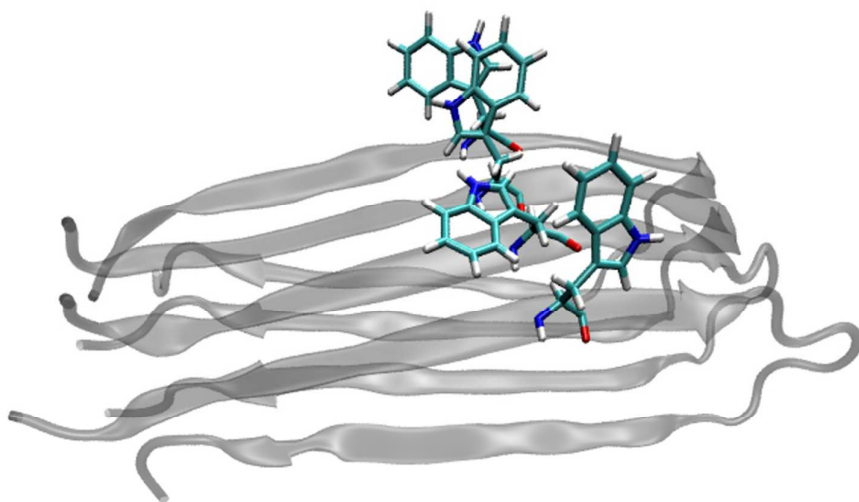
<sup>1</sup> University of Belgrade, Institute of Chemistry, Technology and Metallurgy, Njegoševa 12, 11000 Belgrade, Serbia. <sup>2</sup> Department of Chemistry, University of Belgrade, Studentski trg 12-16, 11000 Belgrade, Serbia. <sup>3</sup> Science Program, Texas A&M University at Qatar, Texas A&M Engineering Building, Education City, Doha, Qatar. <sup>4</sup> Department of Chemistry, Texas A&M University, College Station, TX 77843-3255, USA

\* Corresponding author:

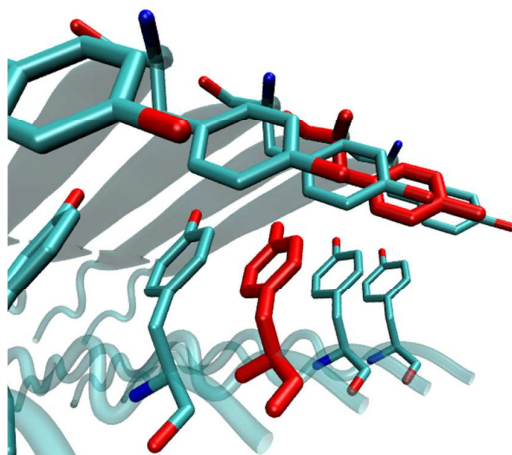
Prof. Dr. Snežana Zarić



**Fig. S1.** Turn and coil aromatic amino acids (in red). PDBids: 2e8d, 2lmo.



**Fig. S2.** The structure with Trp-Trp intrasheet interactions, PDBid 2nnt.



**Fig. S3.** The 20-framed NMR structure, PDBid 2m5n. An example of the high-offset interactions as a consequence of geometry, rings in red.  $P_1/P_2 = 36.09^\circ$ ,  $R = 1.78 \text{ \AA}$ ,  $r = 5.91 \text{ \AA}$ ,  $d = 6.17 \text{ \AA}$ . Surrounding interactions are intrasheet aromatic-aromatic interactions.