

**S2 Table. Content of the secondary structure elements (%\*) in plant proteins and human A $\beta$ -peptide (1-42 aa).**

Protein state	Protein	$\alpha$ -helix	$\beta$ -sheet	$\beta$ -turn	Disordered
Soluble proteins (50% HFIP)	Vicilin	8 $\pm$ 1	39 $\pm$ 1	21 $\pm$ 1	32 $\pm$ 4*
	Cupin-1.1	52 $\pm$ 3	4 $\pm$ 1	18 $\pm$ 3	26 $\pm$ 3
	Cupin-1.2	38 $\pm$ 1	12 $\pm$ 1	20 $\pm$ 2	30 $\pm$ 3
	A $\beta$	53 $\pm$ 2	7 $\pm$ 1	16 $\pm$ 2	24 $\pm$ 4
Fibrillar proteins (distilled water, 7 days after HFIP evaporation)	Vicilin	4 $\pm$ 1	41 $\pm$ 3	20 $\pm$ 2	35 $\pm$ 6
	Cupin-1.1	4 $\pm$ 1	40 $\pm$ 1	21 $\pm$ 2	35 $\pm$ 4
	Cupin-1.2	3 $\pm$ 2	42 $\pm$ 2	23 $\pm$ 2	32 $\pm$ 1
	A $\beta$	3 $\pm$ 1	40 $\pm$ 1	20 $\pm$ 1	37 $\pm$ 2

\*Results are shown as the mean (%)  $\pm$  the standard deviation.