Database*	WEF P^{\dagger}		$P - WEF^{\dagger}$		WEF $P + \dagger$	
	$\mathbf{O}_{W\!EFP}^{~\$}$	\mathbb{E}_{WEFP}^{\P}	O_{P-WEF} §	\mathbb{E}_{P-WEF} ¶	$\mathrm{O}_{W\!EFP^+}^{\&}$	$\mathbb{E}_{WEFP^+}^{\P}$
Nonredundant (NR)	551	318.12	1,124	36.90	160	35.63
TrEMBL (Tr)	440	262.02	967	30.39	117	29.35
	505		0.01	25.15	1.50	22 0 1
Swiss-Prot and	537	303.03	991	35.15	153	33.94
ITEMBL $(SP + Tr)$						
Swiss-Prot (SP)	97	41.01	24	4 76	36	4 59
5 1 1 5 1 1 6 (51)	21	41.01	27	4.70	50	т.59
$\mathbf{P}_{WFFYY} \left(P_{YYWFF} \right)^{\ddagger}$	$1.486e^{-6}$		$1.724e^{-7}$		$1.664e^{-7}$	
Mean difference ¹¹	175.206		749.699		90.623	
$df^{ }$	3		3		3	
t value $ $	4.1883		3.0504		4.2473	
t probability $^{ }$	0.02481		0.05541		0.02391	

Table 12. Expected vs. actual frequency of the three-residue amyloidogenic motif WEF surrounded by amyloid breakers in protein sequences

*Motif database scanning has been carried out by using PATTINPROT (1).

[†]Only motifs where the difference between the number of observed and expected hits is statistically significant at a confidence level \geq 5%.

^{*}Motif probabilities have been calculated as the product of the expected individual amino acid frequencies (see *Methods* in the main text).

[§]O_{WEFXX} (O_{XXWEF}) is the number of hits of an amyloid breaker motif that have been found on the database. [¶]E_{WEFXX} (E_{XXWEF}) is the expected number of hits of a given amyloid breaker motif based on the average composition of proteins (see *Methods* in the main text) and the total number of WEF hits found in the database [O_{WEF} (NR) = 7,230; O_{WEF} (Tr) 5,955; O_{WEF} (SP + Tr) = 6,887; O_{WEF} (SP) = 932]. [¶]Student's test of significance.

1. Combet, C., Blanchet, C., Geourjon, C. & Deleage, G. (2000) Trends Biochem. Sci. 25, 147-150.