

		<i>OPN4m</i>		<i>OPN4x</i>		
Amino acid properties		Number of positive destabilizing	f_r	Number of positive destabilizing	f_r	
Bulkiness	B_r	58	0.048	36	0.033	
Chromatographic index	R_F	127	0.105	121	0.113	
Hydropathy	h	67	0.055	85	0.079	
Isoelectric point	pH_i	165	0.136	160	0.149	
Normalized consensus hydrophobicity	H_{nc}	12	0.010	18	0.017	
Polar requirement	P_r	67	0.055	69	0.064	
Polarity	p	87	0.072	86	0.080	
Refractive index	μ	62	0.051	39	0.036	
Solvent accessible reduction ratio	R_a	150	0.123	119	0.111	
Surrounding hydrophobicity	H_p	84	0.069	65	0.060	Chemical
Thermodynamic transfer hydrophobicity	H_t	11	0.009	8	0.007	0.733 0.750
Compressibility	K^0	101	0.083	120	0.112	
Helical contact area	C_a	71	0.058	50	0.047	
Molecular volume	M_v	47	0.039	22	0.020	
Partial specific volume	V^0	63	0.052	56	0.052	Structural
Molecular weight	M_w	43	0.035	21	0.020	0.267 0.250
Total		1215		1075		

* 15 chemical and 15 structural properties were analysed but only the represented give significant results.

Legend:

f_r relative frequency of substitutions for each propertie