

Table 1: Amino acid preferences in β -sandwich and β -strand secondary structure.

	Preference in β -sandwich ¹	Preference in β -strand ²	Preference ratio
Asp	0.71	0.39	1.82
Gly	0.99	0.58	1.71
Leu	2.03	1.22	1.66
Ala	1.19	0.72	1.65
Glu	0.83	0.52	1.59
Lys	1.05	0.69	1.52
Asn	0.68	0.48	1.41
Thr	1.45	1.17	1.24
Ser	1.18	0.96	1.23
Val	2.17	1.87	1.16
Arg	0.97	0.84	1.15
Ile	1.55	1.67	0.93
Pro	0.28	0.31	0.91
Phe	1.16	1.33	0.87
His	0.65	0.8	0.82
Tyr	0.99	1.45	0.68
Gln	0.65	0.98	0.67
Cys	0.61	1.4	0.44
Met	0.43	1.14	0.37
Trp	0.45	1.35	0.33

Legend:

1. The amino acid preferences in 20 unique β -sandwich proteins identified in the CATH database ([http:// www.biochem.ucl.ac.uk/bsm/cath/](http://www.biochem.ucl.ac.uk/bsm/cath/)) were calculated by taking the percentage of each amino acid found in β -sandwich structure and dividing by 5%.
2. The amino acids preferences taken from the literature (1) were calculated as in 1.

1. Williams, R. W., Chang, A., Juretic, D. & Loughran, S. (1987) *Biochim. Biophys. Acta* **916**, 200-204.