

Protein	Native Rank	Native Z-score	Native Rank (Feng)	Native Rank (Krishnamoorthy)
1beo	1 (1998)	-6.6	1	1
1ctf	1 (654)	-5.5	1	1
1dkt-A	1 (693)	-4.5	19	89
1fca	1 (2001)	-6.6	301	1
1nkl	1 (1995)	-7.7	1	1
1pgb	1 (1995)	-5.7	39	14
1trl-A	142 (1995)	-1.5	1	1179
4icb	1 (1998)	-5.5	10	5

**Table S1. Structure Recognition: Discrimination of Native from Decoy Structures.**

Comparison of the performance of our potential (Native rank) with the performance of the potential derived by Feng (Feng, Kloczkowski, & Jernigan, 2007) and Krishnamoorthy (Krishnamoorthy & Tropsha, 2003).