Table 3

Size- and stability-normalized folding times and proximity to speed limit.		
Protein name (PDB code) and mutation	$ au$ (normalized) (μ s) ^a	$\frac{\tau_{(observed)}}{\tau_{(speed limit)}} b$
α ₃ D (2A3D)	1	4
Albumin binding domain (1PRB) K5I/K39V	2	2
λ-repressor (1LMB) G46A/G48A/D14A	4	20
/illin headpiece subdomain (1VII) N68H/K65Nle	15	5
BBA5	20	30
Engrailed homeodomain (1ENH)	20	40
Tryptophan cage (1L2Y)	40	20
WW domain FBP28 (1E0L) W30F	60	50
Peripheral subunit binding domain (2PDD)	80	150
WW domain Pin (1PIN)	300	250
From extrapolated folding times		
Protein A, B domain (1BDC)	20	10
Cytochrome b ₅₆₂ (1QQ3)	60	5

a Calculated from $(50/N)^3$ ($K_{eq}/15)^{1/3}\tau$ (observed), where N is the number of residues, $K_{eq} = \exp(-\Delta G_{folding}/k_BT)$ and τ (observed) is $\tau_{folding}$, as given in Table 2. The average size for the ten proteins with measured folding times is ~ 50 and the average stability, calculated as $\exp(-<\Delta G_{folding}/k_BT)$, is ~ 15 . Calculated using τ (speed limit) = 0.01 N μ s and the observed $\tau_{folding}$ given in Table 2.