

Common protein folding models, non-redundant set (<95% sequence ID)

| Protein name | sequence length (aa) | # of TMHs (TMHMM)? | Has PDB? | multimerization? | Reference |
|--|----------------------|--------------------|----------|------------------|--|
| Tryptophan cage | 20 | 0 | Yes | Monomer | Tartaglia et al., Sawle et al., Ouyang et al. |
| GCN-4 | 34 | 0 | Yes | Dimer | Jackson |
| WW domain pin | 34 | 0 | Yes | Monomer | Tartaglia et al., Ouyang et al. |
| WW prototype | 37 | 0 | Yes | Monomer | Tartaglia et al., Ouyang et al. |
| WW domain FBP28 | 37 | 0 | Yes | Monomer | Naganathan et al., Tartaglia et al., Ouyang et al. |
| WW domain YAP65 | 40 | 0 | Yes | Monomer | Tartaglia et al., Ouyang et al. |
| E3/E1 domain of dihydrolipoyl acyltransferase / PSBD (1ebd) | 43 | 0 | Yes | Monomer | Naganathan et al., Galzitskaya et al., Tartaglia et al., Ouyang et al. |
| POB L146A Y166W | 51 | 0 | Yes | Monomer | Naganathan et al., |
| Lac Repressor Headpiece | 51 | 0 | Yes | Monomer | Sawle et al. |
| Arc repressor | 53 | 0 | Yes | Dimer | Jackson |
| Human TRF1 Myb domain | 53 | 0 | Yes | Monomer | Tartaglia et al., Ouyang et al. |
| Albumin binding domain | 53 | 0 | Yes | Monomer | Tartaglia et al., Sawle et al., Ouyang et al. |
| c-Myb transforming protein | 54 | 0 | Yes | Monomer | Tartaglia et al., Ouyang et al. |
| β -hairpin of protein G | 55 | 0 | Yes | Monomer | Tartaglia et al., Ouyang et al. |
| N-terminal domain from L9 | 56 | 0 | Yes | Monomer | Naganathan et al., Galzitskaya et al., Tartaglia et al., Ouyang et al. |
| OMTKY3 | 56 | 0 | Yes | Monomer | Sawle et al. |
| Protein G (B domain) | 56 | 0 | Yes | Monomer | Naganathan et al., Galzitskaya et al., Tartaglia et al., Sawle et al., Ouyang et al. |
| Engrailed home domain | 58 | 0 | Yes | Monomer | Tartaglia et al., Ouyang et al. |
| BPTI | 58 | 0 | Yes | Monomer | Sawle et al. |
| Abl | 58 | 0 | Yes | Monomer | Sawle et al. |
| Human RAP1 Myb domain | 59 | 0 | Yes | Monomer | Tartaglia et al., Ouyang et al. |
| B domain of protein A | 62 | 0 | Yes | Monomer | Naganathan et al., Tartaglia et al., Ouyang et al. |
| Sem5 | 62 | 0 | Yes | Monomer | Sawle et al. |
| SH3 domain (a-spectrin) | 62 | 0 | Yes | Monomer | Naganathan et al., Galzitskaya et al., Jackson, Tartaglia et al., Sawle et al., Ouyang et al. |
| ROP | 62 | 0 | Yes | Dimer | Jackson |
| Chymotrypsin inhibitor Cl2 | 64 | 0 | Yes | Monomer | Plaxco et al., Naganathan et al., Galzitskaya et al., Jackson, Tartaglia et al., Sawle et al., Sawle et al., Ouyang et al. |
| Itk | 64 | 0 | Yes | Monomer | Sawle et al. |
| SH3 domain (src) | 64 | 0 | Yes | Monomer | Naganathan et al., Galzitskaya et al., Jackson, Tartaglia et al., Ouyang et al. |
| Chromosomal protein Sso7d | 64 | 0 | Yes | Monomer | Naganathan et al., Galzitskaya et al., Tartaglia et al., Sawle et al., Ouyang et al. |
| Bergerac | 65 | 0 | Yes | Monomer | Sawle et al. |
| Sac7d | 66 | 0 | Yes | Monomer | Sawle et al. |
| CspB (<i>Bacillus caldolyticus</i>) | 66 | 0 | Yes | Monomer | Galzitskaya et al., Jackson, Tartaglia et al., Sawle et al., Ouyang et al. |
| CspB (<i>Thermotoga maritima</i>) | 66 | 0 | Yes | Monomer | Galzitskaya et al., Jackson, Tartaglia et al., Sawle et al., Ouyang et al. |
| Villin headpiece | 67 | 0 | Yes | Monomer | Tartaglia et al., Ouyang et al. |
| Btk | 67 | 0 | Yes | Monomer | Sawle et al. |
| Tec | 67 | 0 | Yes | Monomer | Sawle et al. |
| CspB (<i>Bacillus subtilis</i>) | 67 | 0 | Yes | Monomer | Plaxco et al., Naganathan et al., Galzitskaya et al., Jackson, Tartaglia et al., Sawle et al., Ouyang et al. |
| SH3 domain (fyn) | 67 | 0 | Yes | Monomer | Plaxco et al., Naganathan et al., Galzitskaya et al., Jackson, Tartaglia et al., Sawle et al., Ouyang et al. |
| CspA | 69 | 0 | Yes | Monomer | Galzitskaya et al., Jackson, Tartaglia et al., Sawle et al., Ouyang et al. |
| Photosystem I accessory protein / Photosystem I protein E (PSAE) | 69 | 0 | Yes | Monomer | Galzitskaya et al., Tartaglia et al., Sawle et al. |
| Eglin C | 70 | 0 | Yes | Monomer | Sawle et al. |
| Type III Antifreeze | 70 | 0 | Yes | Monomer | Sawle et al. |
| FF domain from HYPA/FBP11 | 71 | 0 | Yes | Monomer | Tartaglia et al., Ouyang et al. |
| Cro protein | 71 | 0 | Yes | Monomer | Galzitskaya et al., Tartaglia et al., Ouyang et al. |
| MerP | 72 | 0 | Yes | Monomer | Tartaglia et al., Ouyang et al. |
| IgG binding domain of streptococcal protein L | 72 | 0 | Yes | Monomer | Plaxco et al., Naganathan et al., Galzitskaya et al., Jackson, Tartaglia et al. |
| Alpha 3D | 73 | 0 | Yes | Monomer | Sawle et al., Ouyang et al. |
| Tendamistat | 74 | 0 | Yes | Monomer | Jackson, Tartaglia et al., Sawle et al., Ouyang et al. |

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|---|-----|---|-----|---------|--|
| ubiquitin | 76 | 0 | Yes | Monomer | Plaxco et al., Naganathan et al., Galzitskaya et al., Jackson, Tartaglia et al., Sawle et al., Ouyang et al. |
| Activation domain procarboxypeptidase A2 (ADAh2) | 76 | 0 | Yes | Monomer | Plaxco et al., Naganathan et al., Galzitskaya et al., Jackson |
| Acyl Carrier Protein (apo) | 77 | 0 | Yes | Monomer | Sawle et al. |
| Ras-binding domain of C-RAF1 | 79 | 0 | Yes | Monomer | Naganathan et al., Tartaglia et al., Ouyang et al. |
| SH3 domain (PI3 kinase) | 79 | 0 | Yes | Monomer | Galzitskaya et al., Jackson, Tartaglia et al., Ouyang et al. |
| HT c552 | 80 | 0 | Yes | Monomer | Sawle et al. |
| Spliceosomal protein U1A | 80 | 0 | Yes | Monomer | Galzitskaya et al., Jackson, Tartaglia et al., Ouyang et al. |
| monomeric I repressor (I6-85) | 81 | 0 | Yes | Monomer | Plaxco et al., Galzitskaya et al., Jackson, Sawle et al., Ouyang et al. |
| PA c551 | 82 | 0 | Yes | Monomer | Sawle et al. |
| CPS | 85 | 0 | Yes | Monomer | Sawle et al. |
| Hpr (histidine-containing phosphocarrier protein) | 85 | 0 | Yes | Monomer | Plaxco et al., Galzitskaya et al., Jackson, Tartaglia et al., Sawle et al., Ouyang et al. |
| Acyl-CoA binding protein ACBP (yeast) | 86 | 0 | Yes | Monomer | Naganathan et al., Jackson, Ouyang et al. |
| Acyl-CoA binding protein | 86 | 0 | Yes | Monomer | Tartaglia et al. |
| Colicin E9 immunity protein | 86 | 0 | Yes | Monomer | Naganathan et al., Galzitskaya et al., Tartaglia et al., Ouyang et al. |
| ACBP (bovine, rat) | 87 | 0 | No | Monomer | Plaxco et al., Naganathan et al., Galzitskaya et al., Jackson, |
| Histidine Bh | 87 | 0 | No | Monomer | Sawle et al. |
| Histidine BSt | 88 | 0 | Yes | Monomer | Sawle et al. |
| Histidine BS | 88 | 0 | Yes | Monomer | Sawle et al. |
| Twitchin Ig repeat 27 | 89 | 0 | Yes | Monomer | Galzitskaya et al., Tartaglia et al., Ouyang et al. |
| NPS | 89 | 0 | Yes | Monomer | Sawle et al. |
| Fibronectin 9th FN3 module | 89 | 0 | Yes | Monomer | Galzitskaya et al., Jackson, Tartaglia et al., Ouyang et al. |
| Barstar | 89 | 0 | Yes | Monomer | Galzitskaya et al., Jackson, Tartaglia et al., Sawle et al., Ouyang et al. |
| TnFN3 / Tenascin (short form) | 90 | 0 | Yes | Monomer | Plaxco et al., Galzitskaya et al., Jackson, Tartaglia et al., Ouyang et al. |
| HypF | 91 | 0 | Yes | Monomer | Tartaglia et al., Ouyang et al. |
| C-terminal of L9 | 92 | 0 | Yes | Monomer | Naganathan et al., Tartaglia et al., Ouyang et al. |
| hblBD (BCKD) | 93 | 0 | Yes | Monomer | Tartaglia et al., Ouyang et al. |
| Twitchin | 93 | 0 | Yes | Monomer | Galzitskaya et al., Jackson, Tartaglia et al., Ouyang et al. |
| Colicin E7 immunity protein | 94 | 0 | Yes | Monomer | Galzitskaya et al., Tartaglia et al., Ouyang et al. |
| Fibronectin 10th FN3 module | 94 | 0 | Yes | Monomer | Galzitskaya et al., Jackson, Tartaglia et al., Ouyang et al. |
| Ribosomal protein L23 | 96 | 0 | Yes | Monomer | Naganathan et al., Tartaglia et al., Ouyang et al. |
| Rnase Sa | 96 | 0 | Yes | Monomer | Sawle et al. |
| Rnase Sa2 | 97 | 0 | Yes | Monomer | Sawle et al. |
| Muscle AcP | 98 | 0 | Yes | Monomer | Plaxco et al., Naganathan et al., Galzitskaya et al., Jackson, Tartaglia et al., Ouyang et al. |
| Stefin A | 98 | 0 | Yes | Monomer | Sawle et al. |
| Stefin B | 98 | 0 | Yes | Monomer | Sawle et al. |
| ApoCytochrome b5 | 98 | 0 | Yes | Monomer | Sawle et al. |
| CD2_1st domain | 99 | 0 | Yes | Monomer | Galzitskaya et al., Jackson, Tartaglia et al., Sawle et al., Ouyang et al. |
| Acylphosphatase (CT) | 99 | 0 | Yes | Monomer | Ouyang et al. |
| Rnase Sa3 | 99 | 0 | Yes | Monomer | Sawle et al. |
| S6 | 101 | 0 | Yes | Monomer | Galzitskaya et al. |
| Ribosomal L30E | 102 | 0 | Yes | Monomer | Sawle et al. |
| ONC | 104 | 0 | Yes | Monomer | Sawle et al. |
| Rnase T1 | 104 | 0 | Yes | Monomer | Sawle et al. |
| Cytochrome C Horse | 105 | 0 | Yes | Monomer | Plaxco et al., Jackson |
| Alkaline Proteinase Inhibitor | 106 | 0 | Yes | Monomer | Sawle et al. |
| Cytochrome b562 | 106 | 0 | Yes | Monomer | Naganathan et al., Galzitskaya et al., Sawle et al. |
| TRP Repressor | 107 | 0 | Yes | Monomer | Sawle et al. |
| FKBP12 | 107 | 0 | Yes | Monomer | Naganathan et al., Galzitskaya et al., Jackson, Tartaglia et al., Ouyang et al. |
| Cytochrome C Yeast | 108 | 0 | Yes | Monomer | Jackson |
| Parvalbumin | 108 | 0 | Yes | Monomer | Sawle et al. |
| Thioredoxin | 108 | 0 | Yes | Monomer | Sawle et al. |
| Barnase | 110 | 0 | Yes | Monomer | Galzitskaya et al., Jackson, Tartaglia et al., Sawle et al., Ouyang et al. |
| S16 (Thermo) | 112 | 0 | Yes | Monomer | Sawle et al. |
| Iso2 Cytochrome | 112 | 0 | Yes | Monomer | Sawle et al. |
| ECAD2 | 112 | 0 | Yes | Monomer | Sawle et al. |
| Subtilisin Inhibitor | 113 | 0 | Yes | Monomer | Sawle et al. |
| Suc1 / Cell cycle regulatory protein | 113 | 0 | Yes | Dimer | Galzitskaya et al., Jackson, Tartaglia et al., Ouyang et al. |
| Oncoprotein P13MTCP1 | 117 | 0 | Yes | Monomer | Tartaglia et al., Ouyang et al. |

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| Hisactophilin | 118 | 0 | Yes | Monomer | Tartaglia et al., Sawle et al., Ouyang et al. |
| S16 (Meso) | 119 | 0 | No | Monomer | Sawle et al. |
| CheY (Thermo) | 120 | 0 | Yes | Monomer | Sawle et al. |
| Apo pseudoazurin | 123 | 0 | Yes | Monomer | Tartaglia et al., Ouyang et al. |
| Baboon α -Lactalbumin | 123 | 0 | Yes | Monomer | Sawle et al. |
| Goat α -lactalbumin | 124 | 0 | Yes | Monomer | Tartaglia et al., Ouyang et al. |
| Rnase B / RNase A | 124 | 0 | Yes | Monomer | Sawle et al. |
| Villin 14T | 126 | 0 | Yes | Monomer | Galzitskaya et al., Jackson |
| Ileal lipid binding protein | 127 | 0 | Yes | Monomer | Galzitskaya et al., Tartaglia et al., Ouyang et al. |
| CheY (Meso) | 128 | 0 | Yes | Monomer | Galzitskaya et al., Jackson, Tartaglia et al., Sawle et al., Ouyang et al. |
| Lysozyme | 129 | 0 | Yes | Monomer | Jackson, Tartaglia et al., Sawle et al., Ouyang et al. |
| IFABP (from rat) | 132 | 0 | Yes | Monomer | Galzitskaya et al., Tartaglia et al., Ouyang et al. |
| CRBP II | 134 | 0 | Yes | Monomer | Galzitskaya et al., Tartaglia et al., Ouyang et al. |
| CRABP I | 136 | 0 | Yes | Monomer | Galzitskaya et al. |
| Metmyoglobin (carp) | 147 | 0 | No | Monomer | Sawle et al. |
| Odorant Binding Protein | 149 | 0 | Yes | Monomer | Sawle et al. |
| PsbQ | 149 | 0 | Yes | Monomer | Sawle et al. |
| Staphylococcus Nuclease | 149 | 0 | Yes | Monomer | Tartaglia et al., Sawle et al., Ouyang et al. |
| glutamate dehydrogenase domain II | 150 | 0 | Yes | Monomer | Sawle et al. |
| α -sarcin | 150 | 0 | Yes | Monomer | Sawle et al. |
| N1 CBD of CenC | 152 | 0 | Yes | Monomer | Sawle et al. |
| Metmyoglobin (horse) | 153 | 0 | Yes | Monomer | Sawle et al. |
| Myoglobin (whale) | 153 | 0 | Yes | Monomer | Galzitskaya et al., Sawle et al., Tartaglia et al., Sawle et al., Ouyang et al. |
| Interleukin 1 β | 153 | 0 | Yes | Monomer | Ouyang et al. |
| Metmyoglobin (rat) | 154 | 0 | No | Monomer | Sawle et al. |
| Metmyoglobin (opossum) | 154 | 0 | No | Monomer | Sawle et al. |
| GroEL apical domain (191-345) | 155 | 0 | Yes | Monomer | Galzitskaya et al., Jackson, Tartaglia et al., Ouyang et al. |
| Ribonuclease HI | 155 | 0 | Yes | Monomer | Galzitskaya et al., Jackson, Tartaglia et al., Sawle et al., Ouyang et al. |
| P16 protein | 156 | 0 | Yes | Monomer | Galzitskaya et al., Jackson, Tartaglia et al., Ouyang et al. |
| DHFR (dihydrofolate reductase) | 159 | 0 | Yes | Monomer | Galzitskaya et al., Tartaglia et al., Ouyang et al. |
| Bovine b-lactoglobulin | 162 | 0 | Yes | Monomer | Tartaglia et al., Sawle et al., Ouyang et al. |
| Phage T4 lysozyme | 164 | 0 | Yes | Monomer | Galzitskaya et al., Tartaglia et al., Sawle et al., Ouyang et al. |
| Cyclophilin A | 164 | 0 | Yes | Monomer | Galzitskaya et al. |
| RNaseH (Thermo) | 166 | 0 | Yes | Monomer | Sawle et al. |
| flavodoxin | 168 | 0 | Yes | Monomer | Sawle et al. |
| MGMT | 174 | 0 | Yes | Monomer | Sawle et al. |
| N-terminal domain from PGK | 175 | 0 | Yes | Monomer | Galzitskaya et al., Jackson, Tartaglia et al., Ouyang et al. |
| AdaC | 180 | 0 | Yes | Monomer | Sawle et al. |
| Kunitz type soybean trypsin inhibitor | 181 | 0 | Yes | Monomer | Sawle et al. |
| SRBP | 182 | 0 | Yes | Monomer | Sawle et al. |
| Orosomucoid / Glycoprotein (AGP) | 192 | 0 | Yes | Monomer | Sawle et al. |
| Endoglucanase 3 | 218 | 0 | Yes | Monomer | Sawle et al. |
| villin 14T / C-terminal domain from PGK | 219 | 0 | Yes | Monomer | Galzitskaya et al., Jackson, Tartaglia et al., Ouyang et al. |
| ADK (Yeast) | 220 | 0 | Yes | Monomer | Sawle et al. |
| Green fluorescent protein | 238 | 0 | Yes | Monomer | Tartaglia et al., Ouyang et al. |
| ApoLipoprotein A1 | 243 | 0 | Yes | Monomer | Sawle et al. |
| a-Chymotrypsinogen | 245 | 0 | Yes | Monomer | Sawle et al. |
| EIN | 258 | 0 | Yes | Monomer | Sawle et al. |
| Exo small β -lactamase | 265 | 0 | Yes | Dimer | Tartaglia et al., Sawle et al., Ouyang et al. |
| Tryptophan synthase α -subunit | 268 | 0 | Yes | Monomer | Galzitskaya et al., Tartaglia et al., Ouyang et al. |
| Subtilisin BPN | 275 | 0 | Yes | Monomer | Sawle et al. |
| Arabinose Binding Protein | 306 | 0 | Yes | Monomer | Sawle et al. |
| SBP (Apo) ^(A) | 325 | 0 (1) ^(A) | No | Monomer | Sawle et al. |
| Transferrin | 337 | 0 | Yes | Monomer | Sawle et al. |
| Rhodopsin (bovine) | 349 | 7 | Yes | Monomer | Sawle et al. |
| maltose binding protein | 370 | 0 | Yes | Monomer | Sawle et al. |
| Tryptophan synthase β 2-subunit | 396 | 0 | Yes | Monomer | Galzitskaya et al., Tartaglia et al., Ouyang et al. |
| YopM | 454 | 0 | Yes | Monomer | Sawle et al. |
| Flagellin Monomer | 494 | 0 | Yes | Monomer | Sawle et al. |

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| Summary | <200 aa: | 147 | at least 1 TM | PDB: 158 | Monomers: 160 |
| | >200 aa: | 18 | helix: 1 | no PDB: 7 | Dimers: 5 |
| | | | | | Trimers: 0 |
| | | | | | Tetramers: 0 |
| | | | | | Pentamers: 0 |
| | | | | | Hexamers: 0 |
| | | | | | >Hexamers: 0 |
| | | | | | unspecific oligomers: 0 |

^(A) Predicted transmembrane helix appears to be false positive.