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## **Progressive structure-based alignment of homologous proteins: Adopting sequence comparison strategies.**

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Fold/Family	PDBs	RIGID BODY				FLEXIBLE	
		mulPBA	SALIGN	MAMMOTH	MASS	POSA	MATT
Cupins (134)	1VJ2a, 1V70a, 1QXRa, 1O5Ua, 1DZRa	<b>66</b> , 52.33, 75.70	49, 32.83, 67.40	<b>64</b> , 54.33, 74.80	9, 6.00, 43.01	54, 43.83, 76.90	63, 50.33, 69.10
Globins (141)	1VHBa, 1MBaA, 1LHsA, 1ITHa, 1HLMa, 1HBGa, 1GDJa, 1ECAa, 1DLWa, 1BABA, 1SCTa, 1H97a, 1FLPa, 1EW6a, 1ASHa	101, <b>38.83</b> , <b>111.70</b>	<b>105</b> , 23.17, <b>111.43</b>	101, 26.17, 109.93	NA	<b>105</b> , <b>32.50</b> , 110.81	86, 21.0, 108.1
Superhelix (205)	2TDTa, 1XATa, 1QQ0a, 1LXAa, 1FWYa	<b>68</b> , 62.00, 81.50	57, 55.17, 90.40	36, 29.00, 79.00	<b>69</b> , <b>66.17</b> , <b>93.20</b>	46, 40.83, <b>94.40</b>	<b>68</b> , <b>66.17</b> , 73.20
PTB (136)	1IRSa, 2NMBa, 1X11a, 1SHCa, 1EVHa, 1DDMa	<b>64</b> , <b>40.00</b> , <b>84.73</b>	17, 7.83, 70.40	63, 36.5, 82.73	58, 37.67, 80.27	<b>68</b> , <b>42.83</b> , <b>85.07</b>	<b>67</b> , <b>41.80</b> , 80.50
Kinase (306)	1BMKa, 1CDKa, 1CJAa, 1HCKa, 1PHKa, 2SRCa	<b>99</b> , <b>65.00</b> , <b>169.40</b>	42, 20.17, 153.20	93, 61.00, 161.93	70, 47.17, 151.67	<b>128</b> , <b>86.00</b> , <b>186.27</b>	64, 27.50, 130.3
Serine Protease (191)	3SGBa, 1WYKa, 1TONa, 1QA7a	<b>86</b> , 69.50, 108.00	<b>85</b> , <b>74.00</b> , <b>110.50</b>	80, 55.5, 101.83	60, 42.33, 92.50	83, 67.83, 106.83	84, 67.17, 105.17
Rossmann (164)	1GD1o, 1GPBa, 4MDHa, 5LDHa, 6LDHa, 8ADHa	<b>57</b> , <b>35.00</b> , <b>86.13</b>	48, 34.17, 83.53	<b>53</b> , 31.5, 79.27	29, 19.50, 69.53	52, <b>34.67</b> , <b>85.73</b>	42, 20.80, 71.3
tRNA Synthetase (486)	1ADJa, 1AT1a, 1HC7a, 1QF6a	128, 93.16, 212.33	NA	NA	<b>175</b> , <b>148.50</b> , <b>231.50</b>	<b>240</b> , <b>198.67</b> , <b>288.67</b>	64, 39.00, 156.83
TIM barrel (393)	1CCWb, 1CZ1a, 1F8Ma, 1GVOa, 1ITUa, 1K4Ga, 1K87a, 1MUWa, 1NTHa, 1UROa	<b>38</b> , <b>5.33</b> , <b>95.07</b>	31, 2.00, 69.49	18, 1.17, 65.1	28, 3.67, 72.40	30, <b>9.50</b> , <b>99.47</b>	7.0, 1.00, 49.16
Gamma Crystallin (85)	1H4Ax, 1G6Ea, 1F53a, 1C01a, 1BHUa	<b>31</b> , <b>17.00</b> , <b>46.10</b>	17, 9.66, 41.90	20, 11.83, 43.20	2, 0.67, 21.90	26, 14.67, 45.90	31, 14.17, 43.00
Metallo- hydrolase (246)	1QH5a, 1M2Xa, 1K07a, 1E5Da	138, 118.17, 164.83	<b>140</b> , <b>119.83</b> , <b>165.00</b>	126, 110.83, 157.66	131, 110.67, 159.50	<b>140</b> , <b>123.33</b> , <b>166.33</b>	138, 113.83, 161.67
Ferritin (271)	1O9Ra, 1NOGa, 1MXRa, 1MTYd, 1MTYb, 1LKOa, 1JKVa, 1JGCa, 1AFRa	<b>95</b> , <b>29.67</b> , <b>105.25</b>	6, 0.33, -	79, 22.67, 102.92	10, 6.16, 39.39	<b>107</b> , <b>50.5</b> , <b>117.83</b>	<b>95</b> , <b>48.8</b> , <b>109.9</b>