

Additional Data File 4: The root mean square derivation between x-ray structures and reconstructing structures using 23 representative segments on 38 proteins selected from the set SCOP516

| PDB code | Number of residues | SCOP family name | RMSD (Å) |
|----------|--------------------|------------------|----------|
| 1VD2-A | 89 | d.15.2.2 | 0.63 |
| 1T1V-A | 93 | c.47.1.14 | 1.10 |
| 1VB7-A | 94 | b.36.1.1 | 0.83 |
| 1SQ2-N | 113 | b.1.1.1 | 0.93 |
| 1RYU-A | 120 | a.4.3.1 | 0.73 |
| 1OZY-A | 121 | a.133.1.2 | 0.97 |
| 1T2S-A | 123 | b.34.14.1 | 0.81 |
| 1S28-A | 132 | d.198.1.1 | 0.58 |
| 1TTW-A | 138 | d.198.1.1 | 0.77 |
| 1WMU-A | 141 | a.1.1.2 | 0.66 |
| 1UFG-A | 151 | b.1.16.1 | 1.05 |
| 1TO4-A | 156 | b.1.8.1 | 1.02 |
| 1VL7-A | 157 | b.45.1.1 | 1.39 |
| 1S3Z-A | 165 | d.108.1.1 | 0.70 |
| 1PM1-X | 180 | b.60.1.1 | 1.01 |
| 1SY1-A | 184 | b.60.1.1 | 1.34 |
| 1ULI-B | 187 | d.17.4.4 | 0.96 |
| 1S6I-A | 188 | a.39.1.5 | 0.99 |
| 1T4W-A | 196 | b.2.5.2 | 0.85 |
| 1TEV-A | 196 | c.37.1.1 | 0.69 |
| 1X9G-A | 200 | c.33.1.3 | 0.94 |
| 1RO5-A | 201 | d.108.1.3 | 0.62 |
| 1PZS-A | 208 | b.1.8.1 | 0.83 |
| 1V9K-A | 228 | d.265.1.3 | 0.89 |
| 1VL1-A | 232 | c.124.1.1 | 0.98 |
| 1UD9-A | 245 | d.131.1.2 | 0.73 |
| 1QYR-A | 252 | c.66.1.24 | 0.74 |
| 1T8P-A | 267 | c.60.1.1 | 0.83 |
| 1T6L-A | 290 | d.131.1.2 | 0.97 |
| 1TUG-A | 310 | c.78.1.1 | 0.79 |
| 1J2G-A | 319 | d.96.1.4 | 0.74 |
| 1Q5M-A | 322 | c.1.7.1 | 0.81 |
| 1SYY-A | 346 | a.25.1.2 | 0.63 |
| 1U0M-A | 382 | c.95.1.2 | 0.94 |
| 1TQY-B | 415 | c.95.1.1 | 0.65 |
| 1QWO-A | 442 | c.60.1.2 | 0.81 |
| 1UKC-A | 522 | c.69.1.17 | 1.03 |
| 1V02-A | 565 | c.1.8.4 | 0.87 |