|  |  |  |
| --- | --- | --- |
|  | **CRYBA1** | **USP18** |
| **Best template** | 3LWK | 5CHT  |
| **Encodes for** | Crystal structure of human Beta-crystallin A4  | Crystal structure of USP18 (mouse) |
| **Secondary Structure** | W: 0% H, 32% S, 67% LM: 0% H, 33% S, 65% L | W: 25% H, 24% S, 49% LM: 25% H, 24% S, 50% L |
| **Solvent Accessibility** | W: 37% E, 33% M, 29% BM: 32% E, 37% M, 30% B | W: 48% E, 28% M, 22% BM: 49% E, 26% M, 24% B |

**Table S11. Details of the secondary structure parameters and Solvent accessibility of predicted tertiary protein structure of wild and mutant proteins of CRYBA1 and USP18 proteins.**

W: Wild, M: Mutant, H: Helix, S: Sheet, L: Loop, E: Exposed, M: Medium, B: Buried