|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Protein sequence | T-Coffee alignment vs WT (Fasta alignment) | Local quality estimate | Comparison | QMEAN | Seq iden |
| Human 4p0jA | >wt  MVLSGALCFRMKDSALKVLYLHNNQLLAGGLHAGKVIKGEEISVVPNRWLDASLSPVILGVQGGSQCLSCGVGQEPTLTL  EPVNIMELYLGAKESKSFTFYRRDMGLTSSFESAAYPGWFLCTVPEADQPVRLTQLPENGGWNAPITDFYFQQCD  >template  S-LSGALCFRMKDSALKVLYLHNNQLLAGGLHAGKVIKGEEISVVPNRWLDASLSPVILGVQGGSQCLSCGVGQEPTLTL  EPVNIMELYLGAKESKSFTFYRRDMGLTSSFESAAYPGWFLCTVPEADQPVRLTQELG----KSYNTDFYFQQCD | https://swissmodel.expasy.org/interactive/9T43ss/models/01/qmean/local_quality_estimate.png | https://swissmodel.expasy.org/interactive/9T43ss/models/01/qmean/reference_set.png | -0.15 | 94.67% |
| Human 4p0jB | >wt  MVLSGALCFRMKDSALKVLYLHNNQLLAGGLHAGKVIKGEEISVVPNRWLDASLSPVILGVQGGSQCLSCGVGQEPTLTL  EPVNIMELYLGAKESKSFTFYRRDMGLTSSFESAAYPGWFLCTVPEADQPVRLTQLPENGGWNAPITDFYFQQCD  >template  S-LSGALCFRMKDSALKVLYLHNNQLLAGGLHAGKVIKGEEISVVPNRWLDASLSPVILGVQGGSQCLSCGVGQEPTLTL  EPVNIMELYLGAKESKSFTFYRRDMGLTSSFESAAYPGWFLCTVPEADQPVRLTQELG----KSYNTDFYFQQCD | https://swissmodel.expasy.org/interactive/9Zd4s8/models/01/qmean/local_quality_estimate.png | https://swissmodel.expasy.org/interactive/9Zd4s8/models/01/qmean/reference_set.png | -0.52 | 94.67% |
| Human 4p0k | >wt  MVLSGALCFRMKDSALKVLYLHNNQLLAGGLHAGKVIKGEEISVVPNRWLDA----SLSPVILGVQGGSQCLSCGVGQEP  TLTLEPVNIMELYLGAKESKSFTFYRRDMGLTSSFESAAYPGWFLCTVPEADQPVRLTQLPENGGWNAPITDFYFQQCD  >template  S-LSGALCFRMKDSALKVLYLHNNQLLAGGLHAGKVIKGEEISVVPNRWPEALEQGRGSPVILGVQGGSQCLSCGVGQEP  TLTLEPVNIMELYLGAKESKSFTFYRRDMGLTSSFESAAYPGWFLCTVPEADQPVRLTQELG----KSYNTDFYFQQCD | https://swissmodel.expasy.org/interactive/ZBB7Zu/models/01/qmean/local_quality_estimate.png | https://swissmodel.expasy.org/interactive/ZBB7Zu/models/01/qmean/reference_set.png | -0.22 | 92% |
| Human 4p0l | >wt  MVLSGALCFRMKDSALKVLYLHNNQLLAGGLHAGKVIKGEEISVVPNRWLDA----SLSPVILGVQGGSQCLSCGVGQEP  TLTLEPVNIMELYLGAKESKSFTFYRRDMGLTSSFESAAYPGWFLCTVPEADQPVRLTQLPENGGWNAPITDFYFQQCD  >template  S-LSGALCFRMKDSALKVLYLHNNQLLAGGLHAGKVIKGEEISVVPNRWPEALEQGRGSPVILGVQGGSQCLSCGVGQEP  TLTLEPVNIMELYLGAKESKSFTFYRADAGLTSSFESAAYPGWFLCTVPEADQPVRLTQELG----KSYNTDFYFQQCD | https://swissmodel.expasy.org/interactive/3wAMvE/models/01/qmean/local_quality_estimate.png | https://swissmodel.expasy.org/interactive/3wAMvE/models/01/qmean/reference_set.png | 0.02 | 90.67% |