

Protein Modelling

The aim is to build a model of a protein from its sequence and to validate this model, similar to CASP. The target protein is a small DNA-binding protein from *Pseudomonas* whose structure was recently determined by Katharine Michie in UNSW's Dr. Paul Curmi's lab but has not been published yet. The sequence of this protein is given below:

>pf4mutant

MSTPADRARLLIKKIGPKKVS LHGGDYERWKS VSKGAIRVSTEEIDVLVKIFPNYALWIASGSIAPEVGQTS
PDYDEANLNLSNQNAG

A detailed report of the process of predicting and validating the tertiary structure of the protein is included.