

HOMOLOGY MODELLING

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ABSTRACT

The homology modelling refers to the construction of the protein molecule based on its amino acid sequence called as the template and analysis of its three dimensional structure that further helps in the development of new ligand required in the drug synthesis. We used swiss prot and the docking techniques to construct the protein model. As a source we used oriza sativa and the yeast importion and constructed the protein molecule which was a hetero dimer and based on the results of ramachandran plot analysis we concluded that the protein molecule built was in well agreement with that of the original protein molecules sequence.

KEYWORDS: Homology Modelling, Three Dimensional Structure, New Ligand, Swiss Prot and the Docking Techniques to Construct the Protein Model