



ABSTRACT

DNA helicase is an essential enzyme involved in various important phenomenon of DNA metabolism. The present work is concerned with the development of a comprehensive database of DNA helicases in model and other organisms. The information regarding DNA helicase in database is available under several categories like, protein sequence, nucleotide sequence, 3-structure of protein and literature relevant to DNA helicase. The database is developed by using various computational tools. The data is structured in database according to the classification of DNA helicase super families (SFs) i.e. SF-I, SF-II, SF-III, DNA B, DNA B like, Rho and Rho like families. The DNA helicase database elaborate all accumulated information collected from different web sources on DNA helicases in a freely accessible format at www.dnahelicasedb.com that will facilitate the scientists working on an aspect of DNA helicases.