

## Protein Evolution Based on Complex Networks\*

Wang zhongjun<sup>1,2</sup> Wang nengchao<sup>1</sup>

<sup>1</sup>School of Computer Science and Technology, Huazhong University of Science and Technology  
Wuhan 430071, P.R.China

<sup>2</sup>Department of Statistics, Wuhan University of Technology  
Wuhan 430063, P.R.China

Email: Wangzj3000@vip.sina.com Tel:+86-027-86749365

### ABSTRACT

Forming protein structure is a complex evolutionary process. Understanding the evolution of protein structure is useful for prediction of protein structure. The complex network is a effective tool for simulating a complex biological system. Complex networks' evolutionary technology simplifies the evolving process, and helps for analyzing protein evolution and predicting protein structure. This paper discusses the complex protein evolution with complex networks method.

**Keywords:** complex networks; protein evolution;

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