Protein Architecture

- proteins are polymers esting of amino acids linked by peptide bonds
- · each amino agide onsists of
 - a central carbon atom (alpha-carbon)
 - an amino group, NH₂
 - a carboxyl group, COOH
 - a side chain
- differences in side chains distinguish different amino acids

Prediction in 1D, 2D and 3D

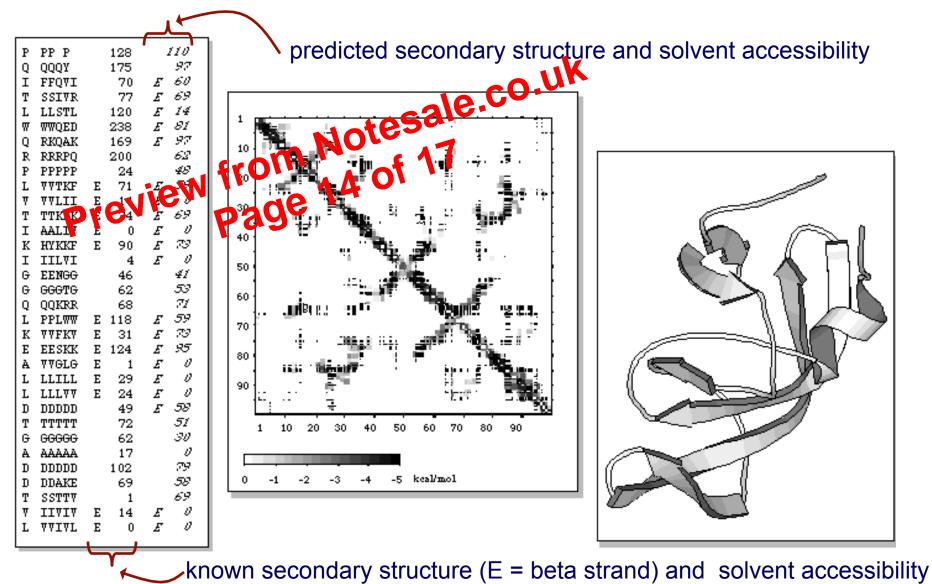


Figure from B. Rost, "Protein Structure in 1D, 2D, and 3D", The Encyclopaedia of Computational Chemistry, 1998