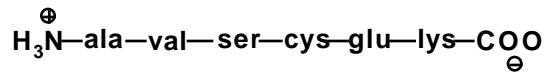
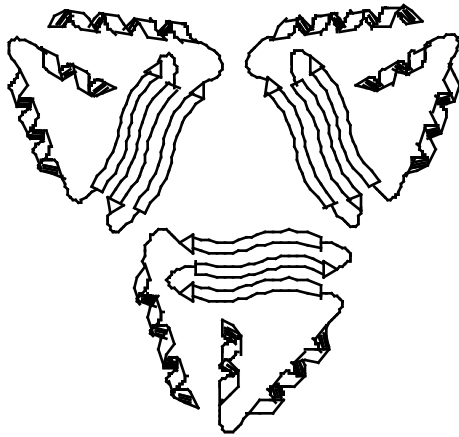


PROTEIN STRUCTURAL FEATURES



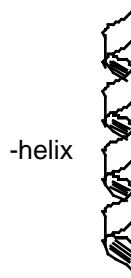
Primary Structure

(amino acid sequence;
N-terminus is *residue* #1)



Quaternary Structure

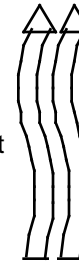
(*oligomeric* proteins;
association of *subunits*;
dependent on noncovalent, exposed side group interactions)



-helix



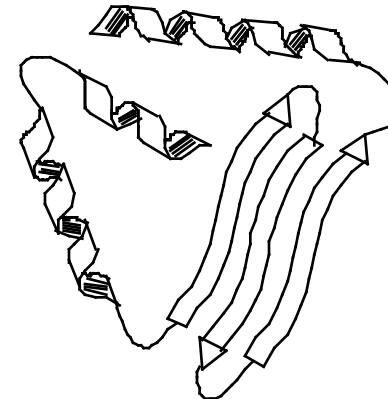
antiparallel
-sheet



parallel
-sheet

Secondary Structure

(amide bonds of "*backbone*";
H-bonding and planar geometry
stabilize these features)



Tertiary Structure

(three dimensional *conformation*;
arrangement dependent on
noncovalent side group interactions)