Proteins depicted in a diagrammatic form in which alpha helices appear as coils or cylinders, beta strands as arrows, and random coils as ribbons. The triosephosphate isomerase molecule contains a beta barrel consisting of a sheet of parallel beta strands wound into a cylinder. Alpha-helical segments are typically associated with beta strands wound into a beta barrel, as in triosephosphate isomerase. Redrawn from originals courtesy of J. S. Richardson, from *Adv. Prot. Chem.* 34:167 (1981).