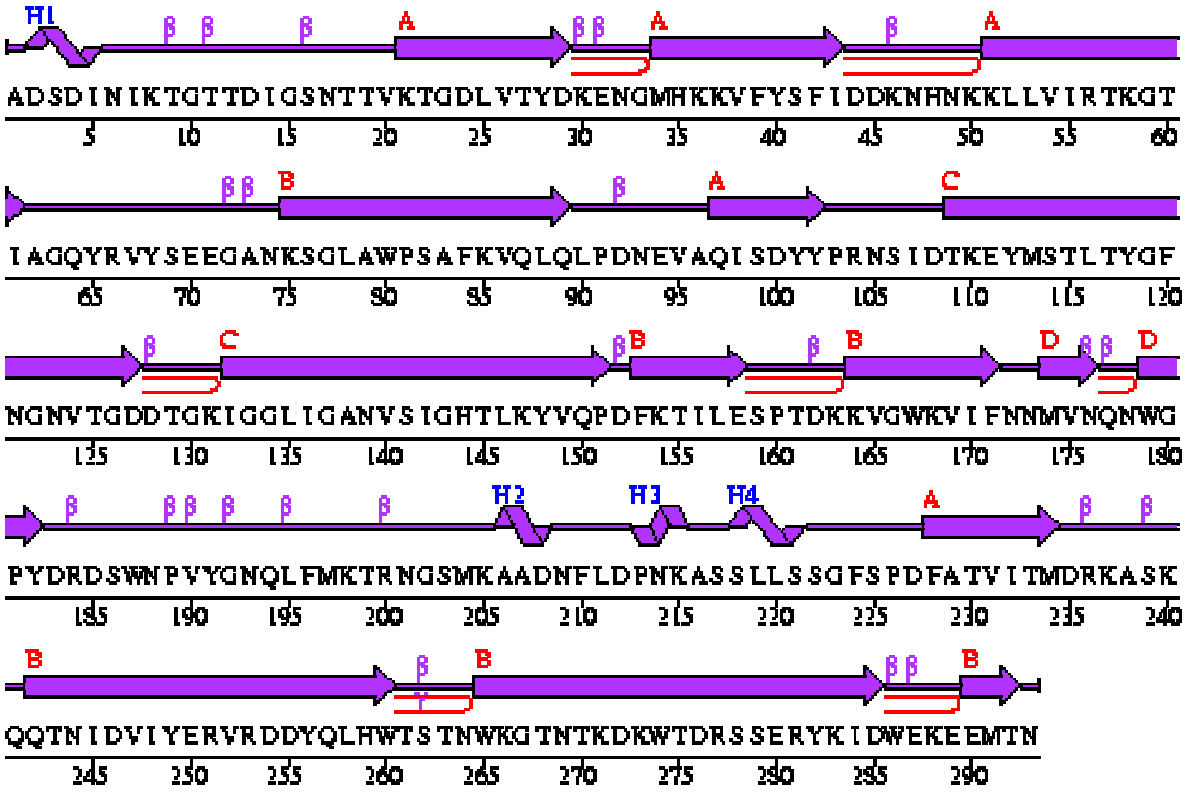
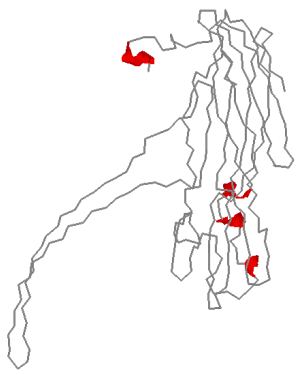
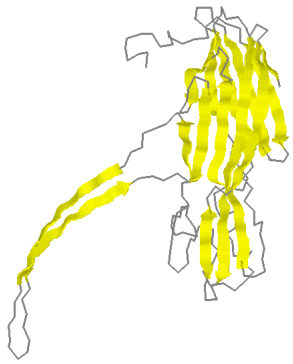
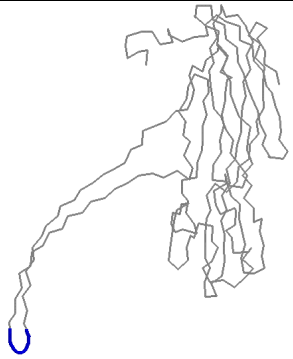
α-Hemolysin from *Staphylococcus aureus*

Primary Structure

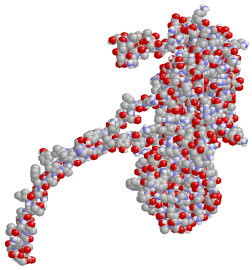
ALA-ASP-SER-ASP-ILE-ASN-ILE-LYS-THR-GLY-THR-THR-ASP-ILE-GLY-SER-ASN-THR-THR-VAL-LYS-THR-GLY-ASP-LEU-VAL-THR-TYR-ASP-LYS-GLU-ASN-GLY-MET-HIS-LYS-LYS-VAL-PHE-TYR-SER-PHE-ILE-ASP-ASP-LYS-ASN-HIS-ASN-LYS-LYS-LEU-LEU-VAL-ILE-ARG-THR-LYS-GLY-THR-ILE-ALA-GLY-GLN-TYR-ARG-VAL-TYR-SER-GLU-GLU-GLY-ALA-ASN-LYS-SER-GLY-LEU-ALA-TRP-PRO-SER-ALA-PHE-LYS-VAL-GLN-LEU-GLN-LEU-PRO-ASP-ASN-GLU-VAL-ALA-GLN-ILE-SER-ASP-TYR-TYR-PRO-ARG-ASN-SER-ILE-ASP-THR-LYS-GLU-TYR-MET-SER-THR-LEU-THR-TYR-GLY-PHE-ASN-GLY-ASN-VAL-THR-GLY-ASP-ASP-THR-GLY-LYS-ILE-GLY-GLY-LEU-ILE-GLY-ALA-ASN-VAL-SER-ILE-GLY-HIS-THR-LEU-LYS-TYR-VAL-GLN-PRO-ASP-PHE-LYS-THR-ILE-LEU-GLU-SER-PRO-THR-ASP-LYS-LYS-VAL-GLY-TRP-LYS-VAL-ILE-PHE-ASN-ASN-MET-VAL-ASN-GLN-ASN-TRP-GLY-PRO-TYR-ASP-ARG-ASP-SER-TRP-ASN-PRO-VAL-TYR-GLY-ASN-GLN-LEU-PHE-MET-LYS-THR-ARG-ASN-GLY-SER-MET-LYS-ALA-ALA-ASP-ASN-PHE-LEU-ASP-PRO-ASN-LYS-ALA-SER-SER-LEU-LEU-SER-SER-GLY-PHE-SER-PRO-ASP-PHE-ALA-THR-VAL-ILE-THR-MET-ASP-ARG-LYS-ALA-SER-LYS-GLN-GLN-THR-ASN-ILE-ASP-VAL-ILE-TYR-GLU-ARG-VAL-ARG-ASP-ASP-TYR-GLN-LEU-HIS-TRP-THR-SER-THR-ASN-TRP-LYS-GLY-THR-ASN-THR-LYS-ASP-LYS-TRP-THR-ASP-ARG-SER-SER-GLU-ARG-TYR-LYS-ILE-ASP-TRP-GLU-LYS-GLU-GLU-MET-THR-ASN

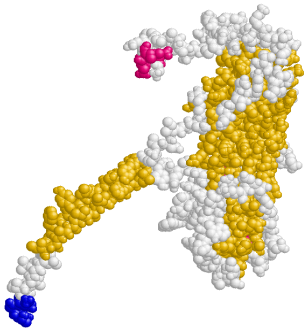
Secondary Structure



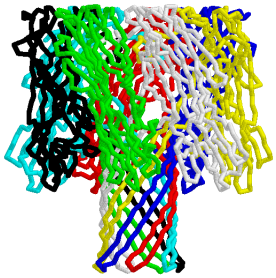
α-Helix	*β-Strand*	*β-Turn*
		

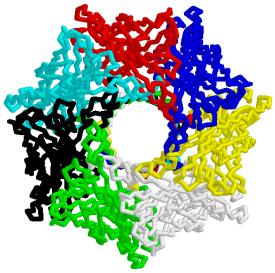
Tertiary Structure



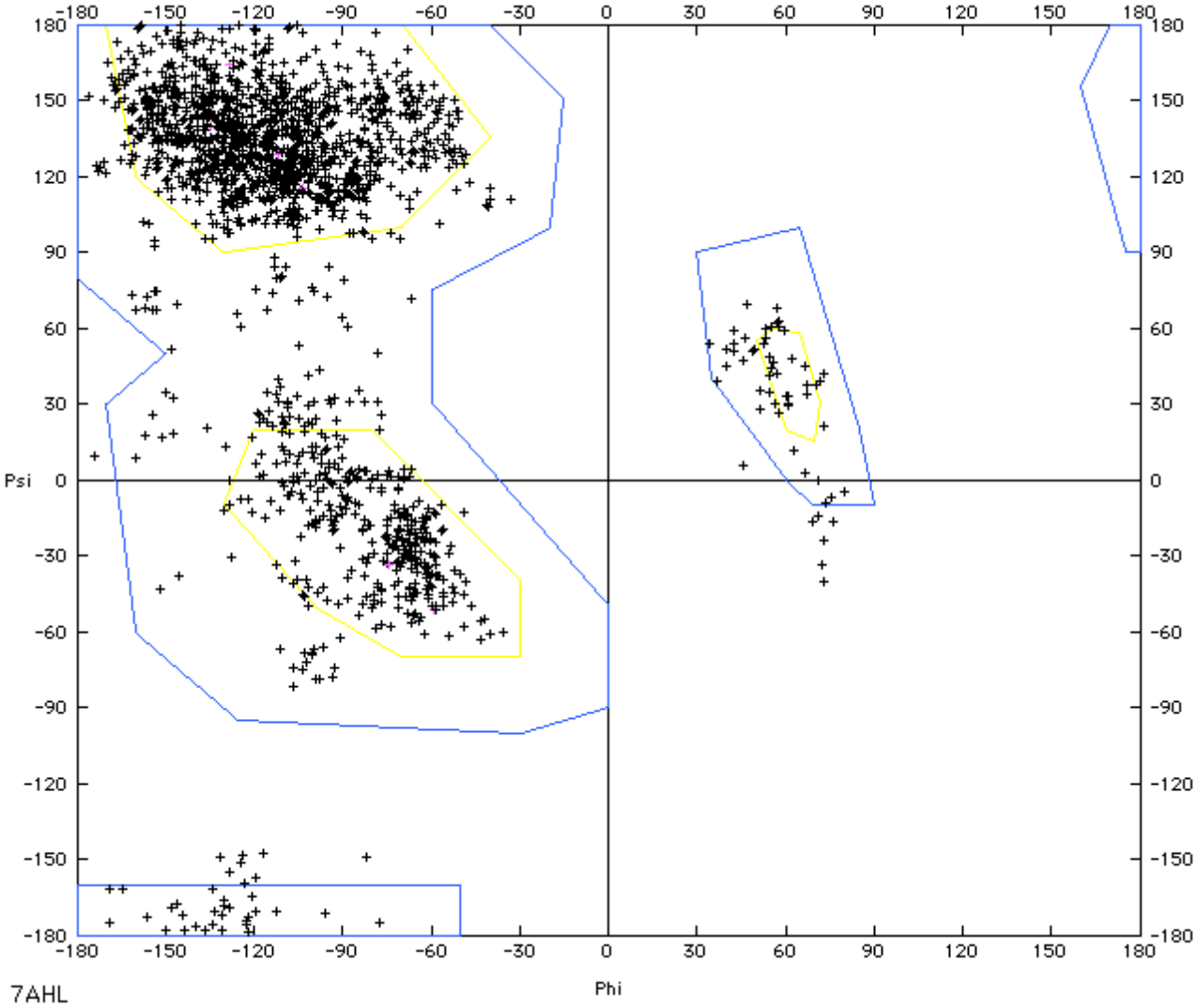


Quaternary Structure



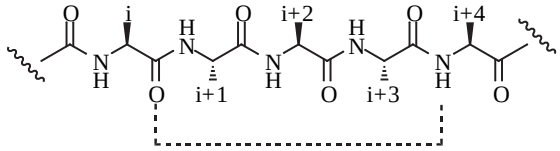


Ramachandran Plot



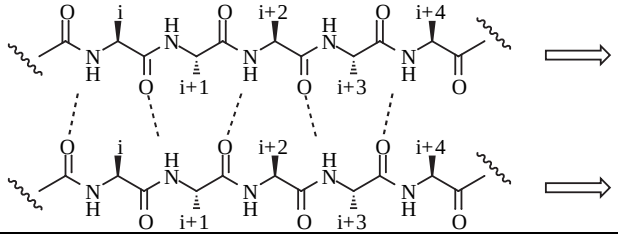
Secondary Structure

α-helix

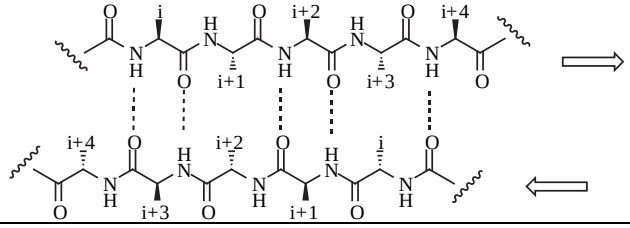


β-structure

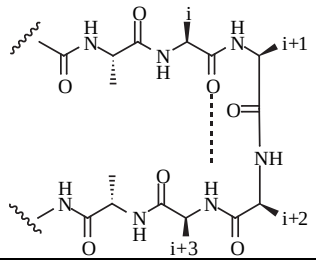
parallel sheet



antiparallel sheet

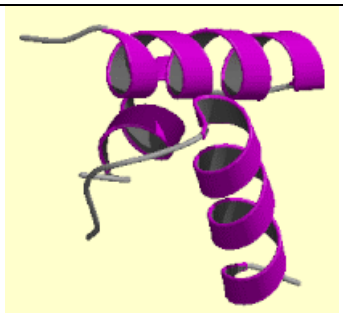


β-turn

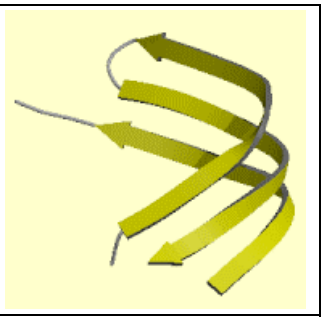


Examples of motifs

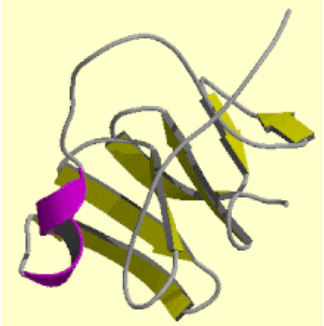
Orthogonal Bundle



β-Roll



β-Sandwich



α-β-α-Sandwich