Caption:   
Cartoon representations of ACHB. (a) The ligand-binding dimer of ACHB; (b) the pentamer of ACHB. The representations were derived from the crystal structure of the snail acetylcholine-binding protein (PDB 1UV6). Residues forming the ligand-binding box are shaded orange. The chain of residues that could potentially act as a conduit for transmission of conformational changes is colored green and the prominent conserved ones among them have been labeled.

Question: What is shaded orange in the representations?   
   
A:Residues forming the ligand-binding box   
B:Residues forming the transmembrane helices   
C:Residues forming the cytoplasmic domain   
D:Residues forming the extracellular domain

Answer: A:Residues forming the ligand-binding box