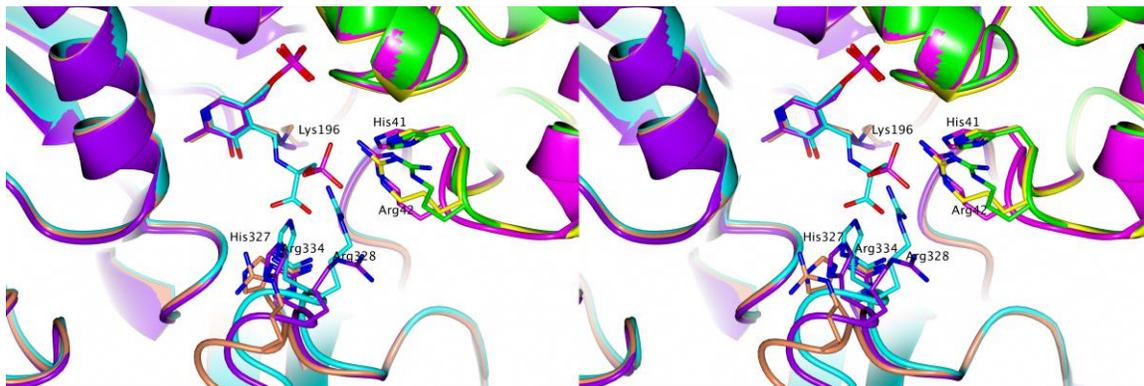
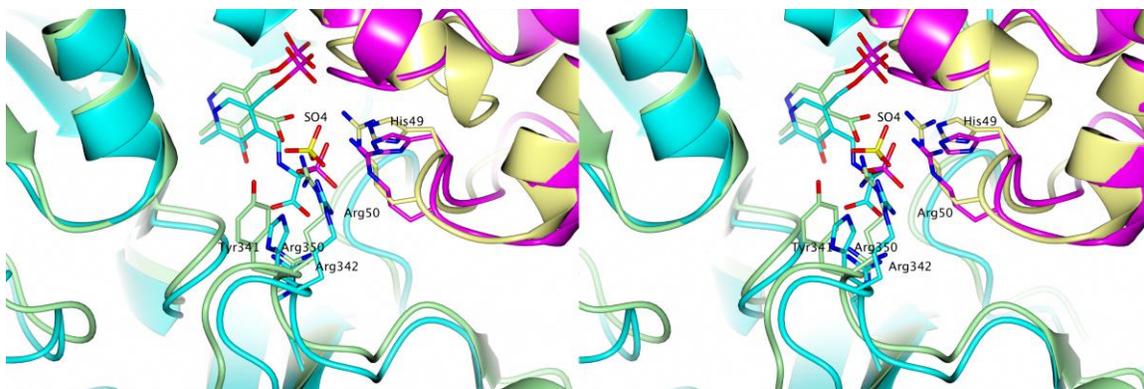


Supplementary Material



Supplementary Figure 1. Close-up stereo view of the active site of *BaPSAT* structure in space group $P2_12_12$ compared with that of the *BaPSAT*-PSER and *BaPSAT* structures in space group $C222_1$. The colouring scheme for $C222_1$ *BaPSAT*-PSER and *BaPSAT* is the same as in Fig. 1 and the orientation as in Fig. 2. The subunits A and B of $P2_12_12$ *BaPSAT* are coloured in green and purple, respectively. The structures were superimposed with PDBeFold.



Supplementary Figure 2. Close-up stereo view of the active sites of *BaPSAT*-PSER and *MtbPSAT*. The two structures were superimposed with PDBeFold. The colouring scheme for *BaPSAT*-PSER is the same as in Fig. 1. The two subunits, A and B, of *MtbPSAT* are coloured in lemon and light green, respectively. Residues of *MtbPSAT* and the sulphate ion are labeled. The orientation is similar to that in Fig. 2.