



**Figure S36**

A Neighbor-joining (NJ) tree based upon carbamoyl phosphate synthase large subunit sequence. The numbers on the nodes indicate the bootstrap values. The Tree is showing the Xanthomonadales and various β-Proteobacteria with and without insert. Species representing α-Proteobacteria and some other Gammaproteobacteria are also shown in tree. The information for the respective CSI is shown in Fig. 8