

Supplementary figure 3 A. Multiple sequence alignment of Q8GAJ8 from *P. nicotinovorans* pAO1 with an integrase from *Mycobacterium goodsonae*, Cre recombinase and a Tn554A transposase. The alignment was performed with Cobalt and visualized with Jalview. The residues are highlighted based on the identity levels and catalytic site residues are marked with red. Alignments were performed with Cobalt and visualized with Jalview.



