Fig. S1 Homologous Sequence Alignment of AK generated by ClustalX and modified by ESPript. CpAK, AK from *Corynebacterium pekinense*; CgAK, AK from *Corynebacterium glutamicum*; MtAK, AK from *Mycobacterium Tuberculosis*; ScAK, AK from *Streptomyces coelicolor*; SpAK, AK from *Streptococcus pneumoniae R6*. 
Fig. S2 Ramachandran plot of CpAK model obtained using MolProbity version 4.4.