



**S2 Fig. Evaluation of *TcPAT12* model by Ramachandran Plot.** Analysis of  $\Phi$  and  $\Psi$  backbone angles on a Ramachandran plot for the homology modeled *TcPAT12*, with 86.5% of residues in the favored region, 9.1% in allowed region and 4.3% in outlier region.