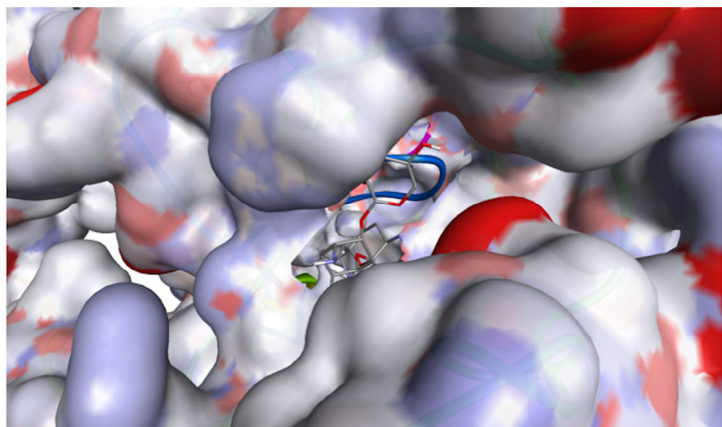
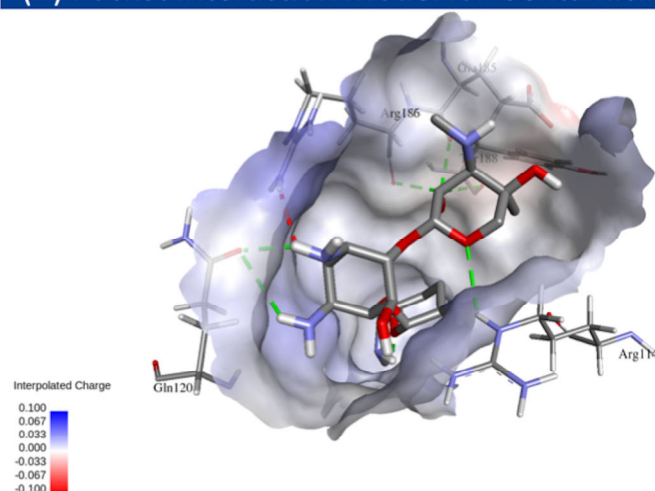


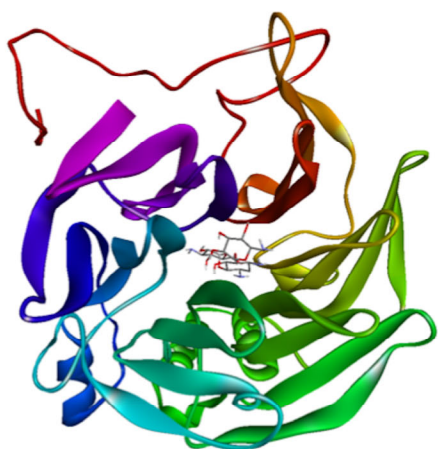
(A) Surface Model



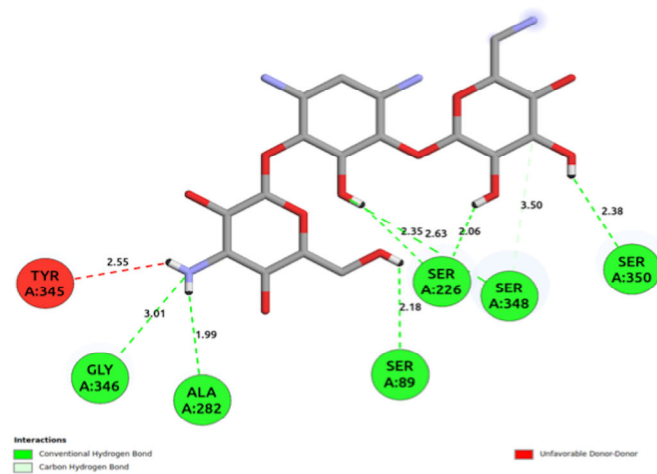
(B) Pocket Interaction Model for Gentamicin



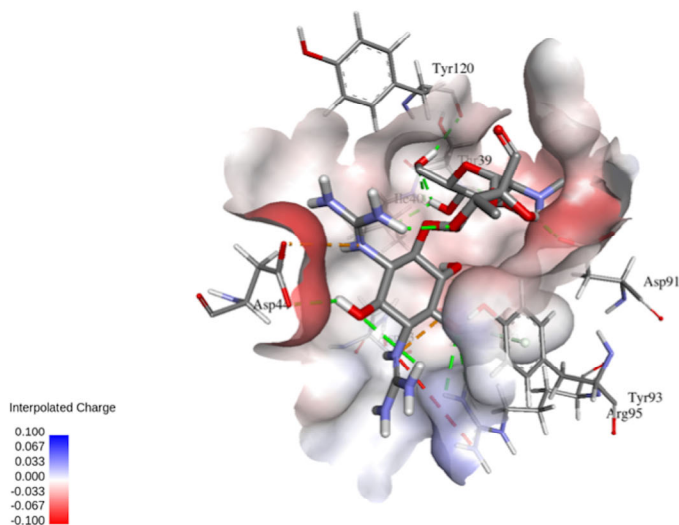
(C) Protein Ligand Complex, Kanamycin



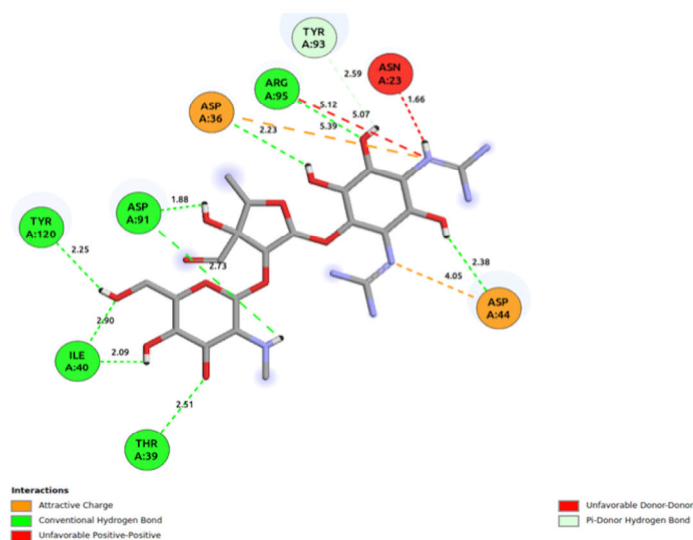
(D) 2D Model Interaction, Kanamycin



(E) Pocket Interactions, Streptomycin



(F) 2D Interaction Model, Streptomycin



Supplementary Figure 10. Homology modeling docking of novel AMR genes predicted for *S. enterica* for antibiotics (Gentamicin, Kanamycin, and Streptomycin). **10a.** Surface model of receptor (WP_025766410.1). **10b.** Pocket interaction for receptor (WP_025766410.1) and ligand (Gentamicin). **10c.** Receptor (WP_001643958.1) and ligand (Kanamycin) complex. **10d.** 2D model for receptor (WP_001643958.1) **10e.** Pocket interaction for Receptor (WP_000465133.1) and ligand (Streptomycin) **10f.** 2D Interaction Model for receptor (WP_000465133.1) and ligand (Streptomycin).