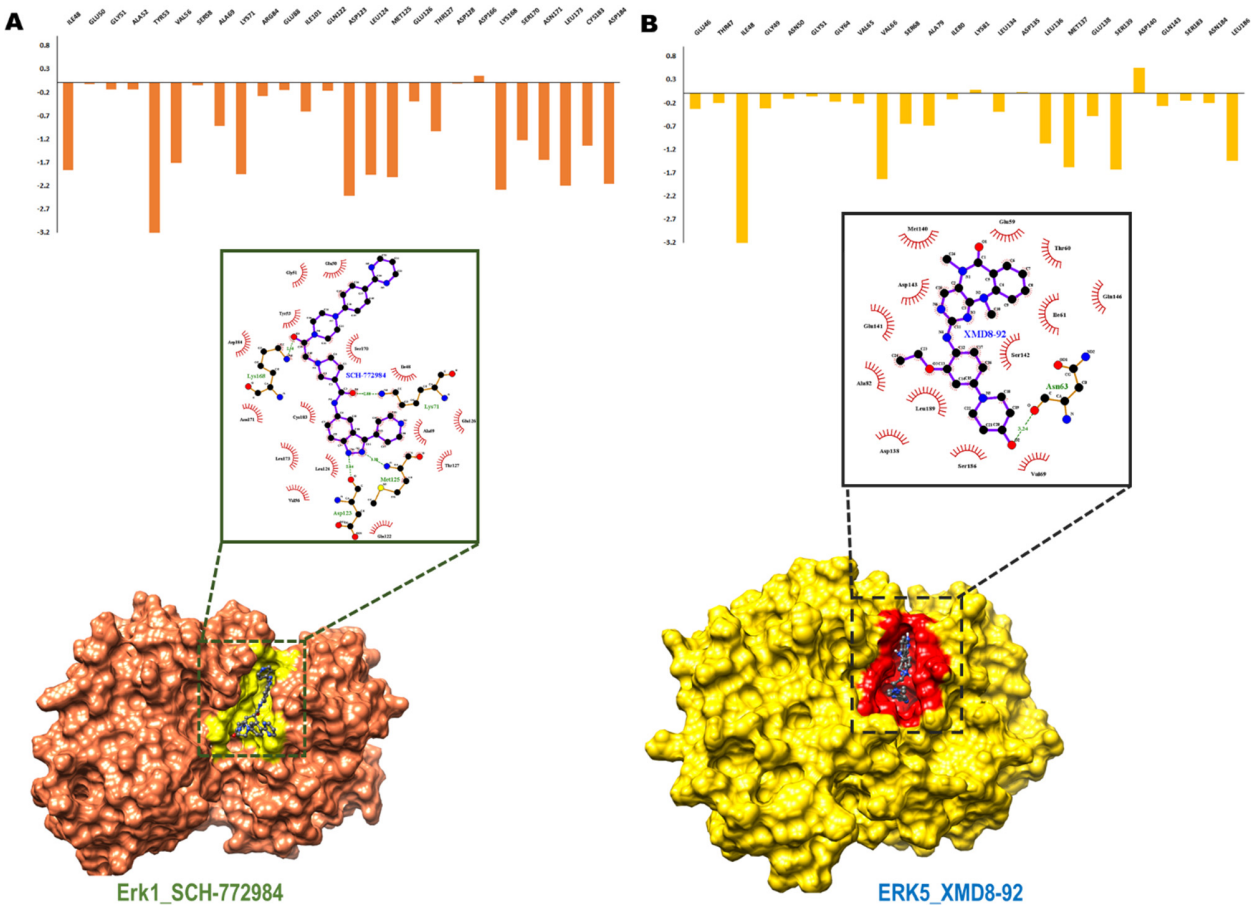

Figure S1: Per-residue energy contributions (PRED) of the interacting backbone residues at ERK1 **[A]** and ERK5 **[B]** binding sites against SCH-772984 and XMD8-92. Also shown is the significant protein-ligand interactions at the binding site of both proteins.