**Supplementary Tables Legends**

**Table** 1: Bacterial targeted reviewed human proteins.

**Table** 2: Viral targeted reviewed human proteins.

**Table** 3: Top GO IDs for bacterial and viral targeted human proteins.

**Table** 4: Full table of features wise performance measures on bacterial and viral targeted human proteins.

**Table** 5: Full table of selected feature-wise performance measures of bacterial and viral targeted human proteins.

**Table** 6: Probability score of top 100 bacteria targeted human proteins.

**Table** 7: Probability score of top 100 virus targeted human proteins.

**Table** 8: Top 5 pathways for bacterial targeted human proteins.

**Table** 9: Top 5 pathways for viral targeted human proteins.

**Supplementary Figures Legends**

**Figure** SF1: Venn diagram of bacterial and viral targeted human proteins.

**Figure** SF2: AUC of different classifier for the combination of AAC, DC, and PAAC features set.

**Figure** SF3: Venn diagram of enriched biological process for bacterial and viral targeted human.

**Figure** SF4: Venn diagram of enriched pathways for bacterial and viral targeted human.

**Figure** SF5: Venn diagram of Gene Ontology (GO) IDs of bacteria- and virus-targeted human proteins.