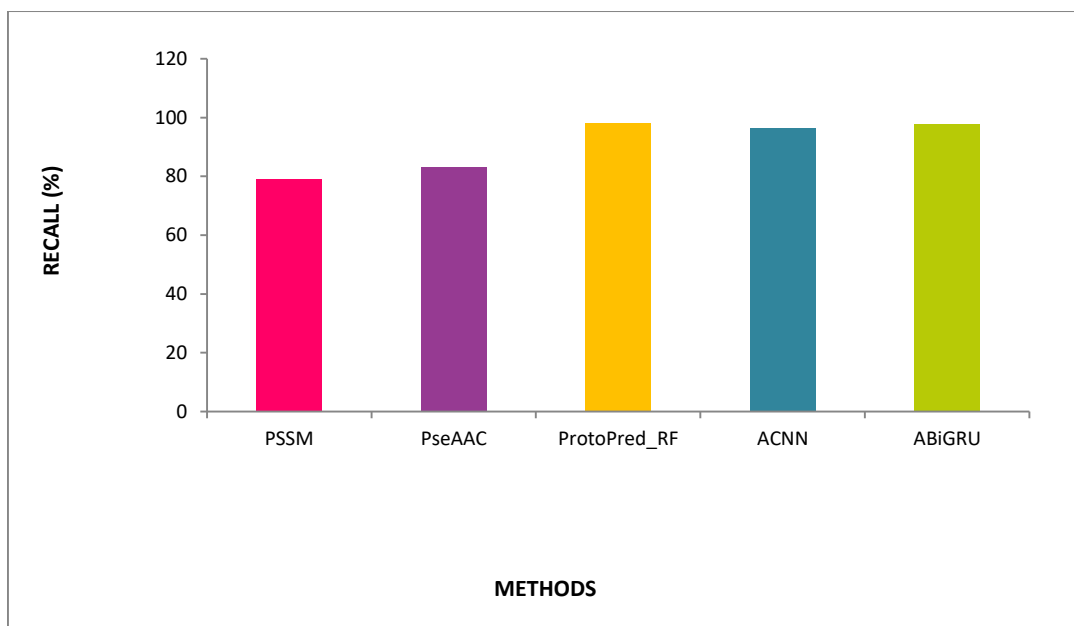
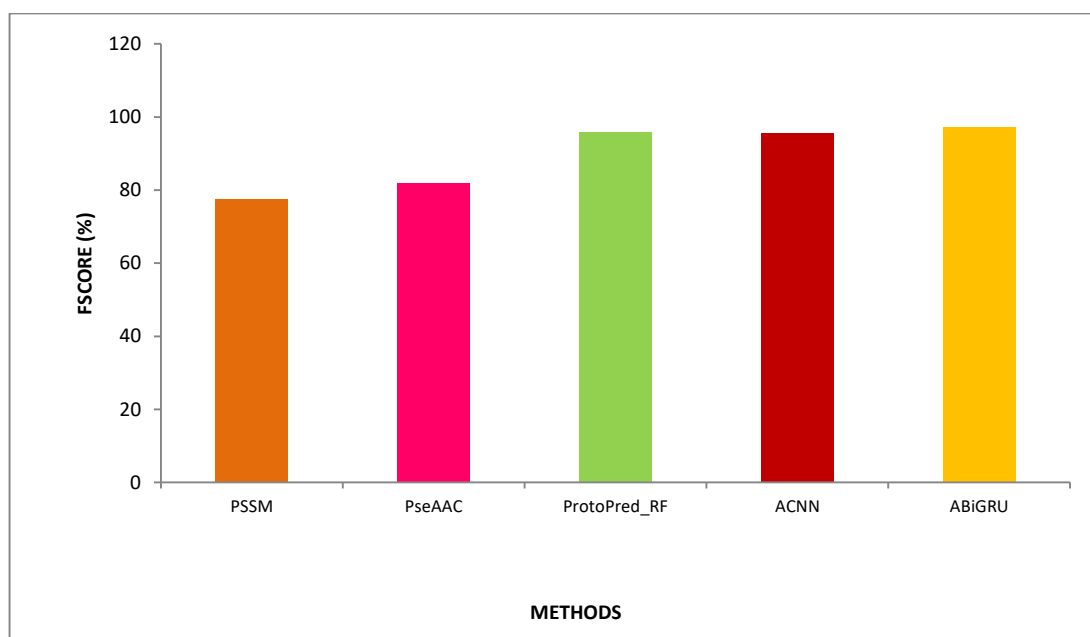
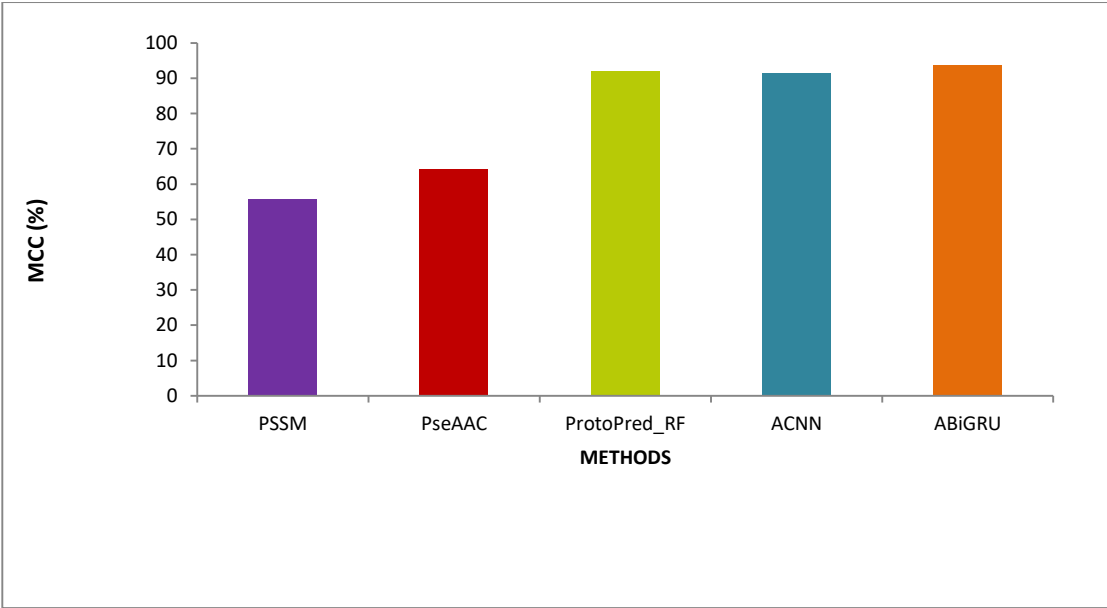




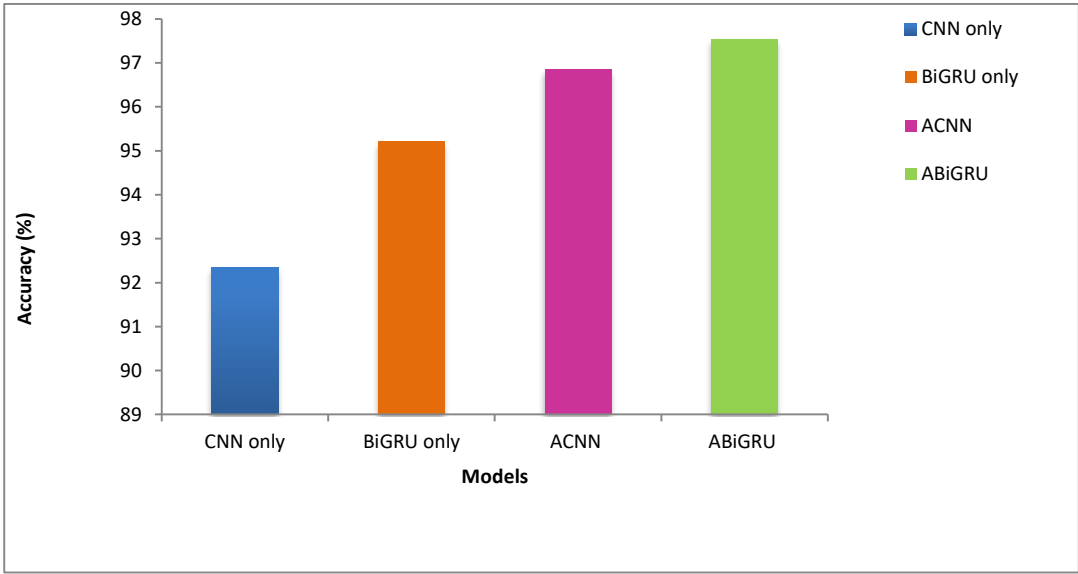
Supplementary Figure 1: Comparison of recall of ABiGRU and ACNN with the existing methods



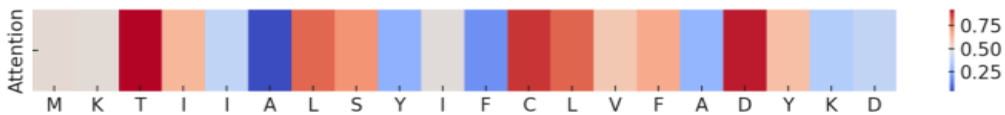
Supplementary Figure2: Comparison of Fscore of ABiGRU and ACNN with the existing methods



Supplementary Figure 3: Comparison of MCC of ABiGRU and ACNN with the existing methods



Supplementary Figure 4: Performance comparison by Ablation study



Supplementary Figure 5: Attention Heatmap for Sample Sequence