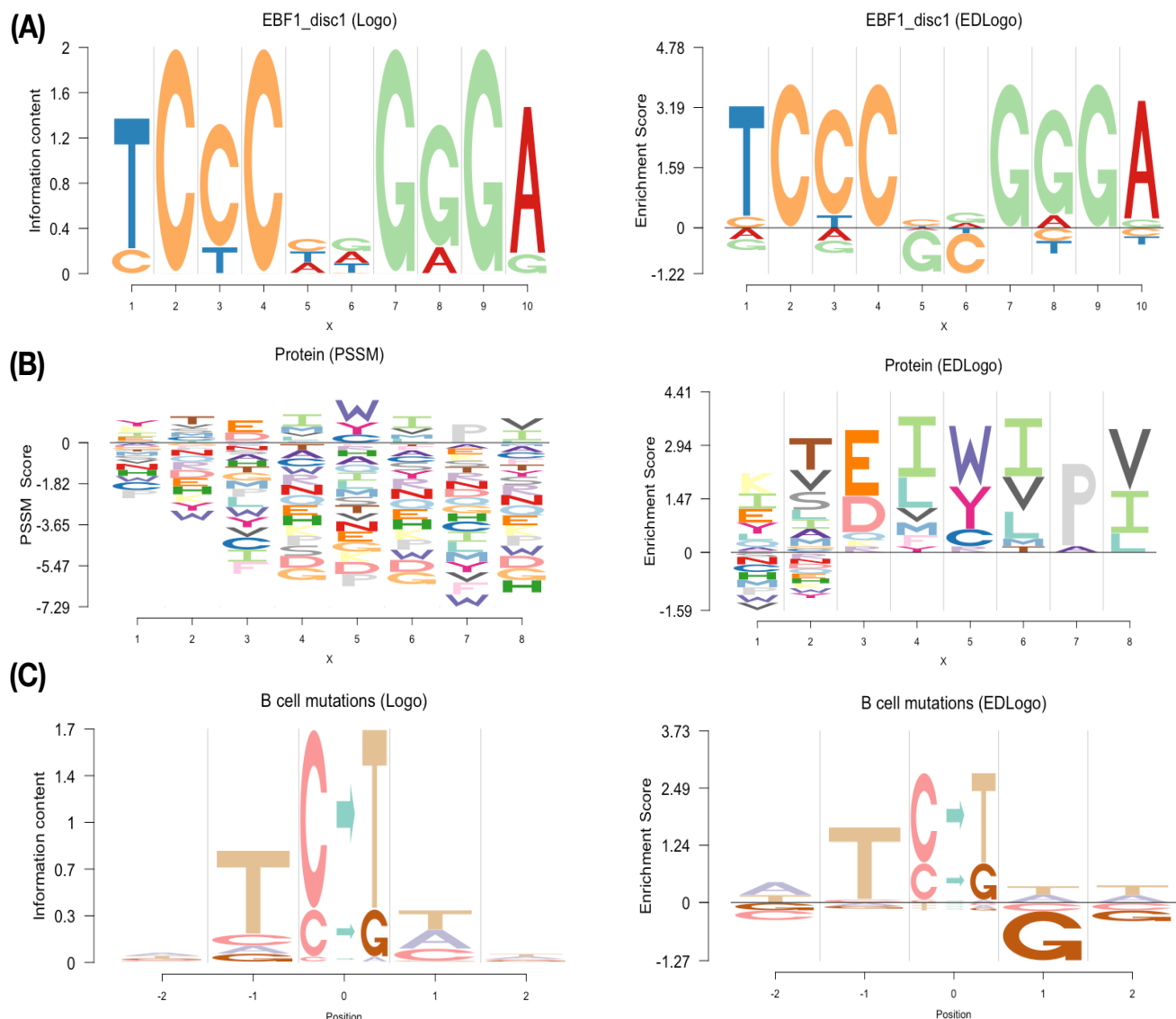# Figures

Fig 1. EDLogo representation and its performance comparison to standard logo plots We present a comparative study of the *EDLogo* representation with respect to the standard logo plots, through three examples. In the first example (panel (A)), we compare the *EDLogo* representation (*right*) with the standard information content based logo plot (*left*) for modeling the transcription factor binding site of EBF1-disc1 transcription factor. We observe that the *EDLogo* plot identifies the depletion in the middle of the sequence much better than the standard plot. In panel (B), we compare the *EDLogo* plot with the position speciifc scoring matrix (PSSM) plot of the binding sequence of the Bacterial transcription activator, effector binding domain protein PF06445 (motif 4, Start=153 Length=8). We observe that the *EDLogo* representation is much more visually parsimonious and detailed than the PSSM plot. In panel (C), we present the standard logo and the EDLogo representation of the mutational signature profile of the all mutations in lymphoma B cells, where the data is due to Alexandrov et al 2013 [**?**]. We observe that the depletion of G to the right of the mutation - possibly occurring due to methylated CpG sites being less prone to mutation - much more clearly in the *EDLogo* representation compared to the standard logo plot.