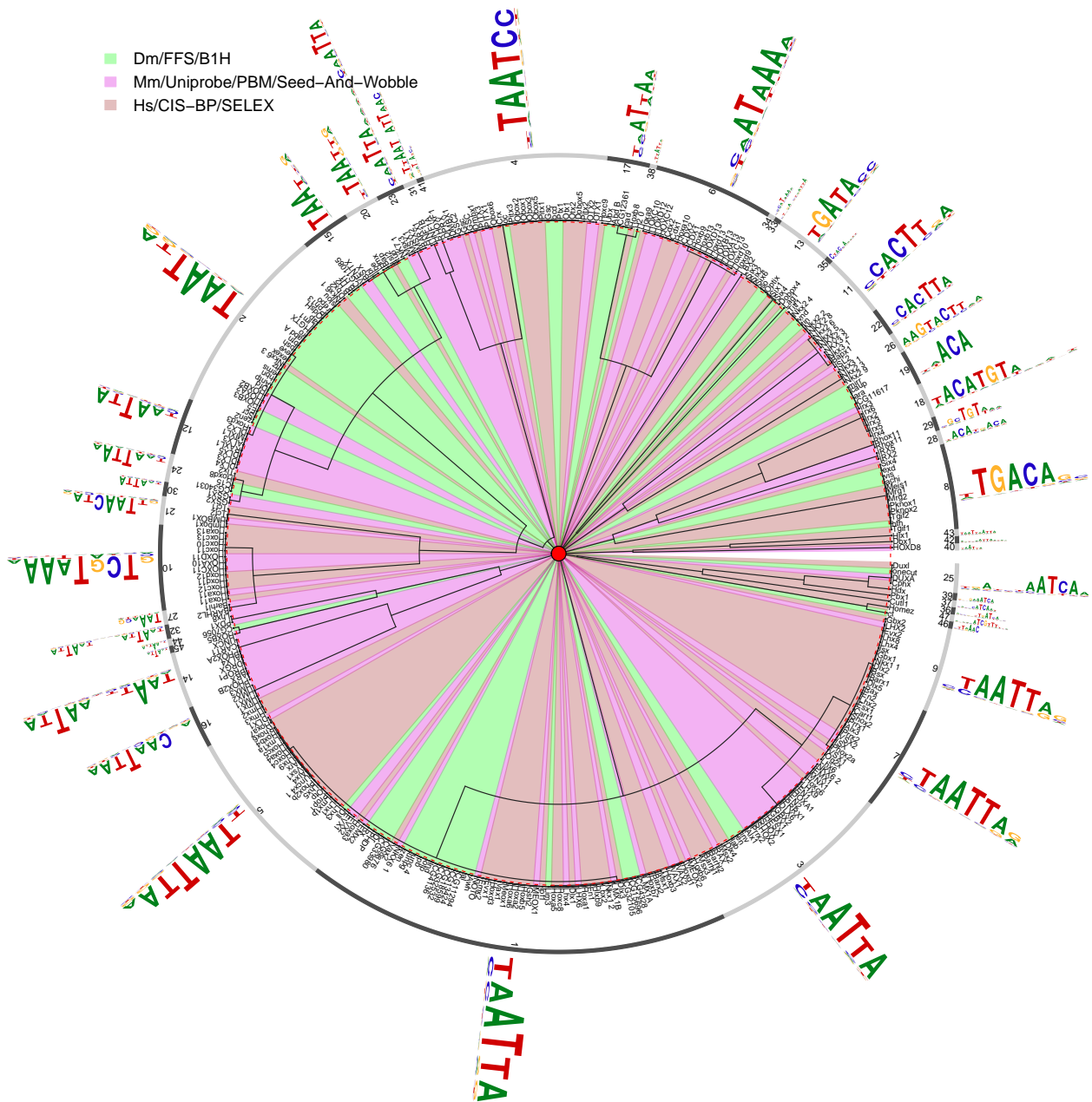


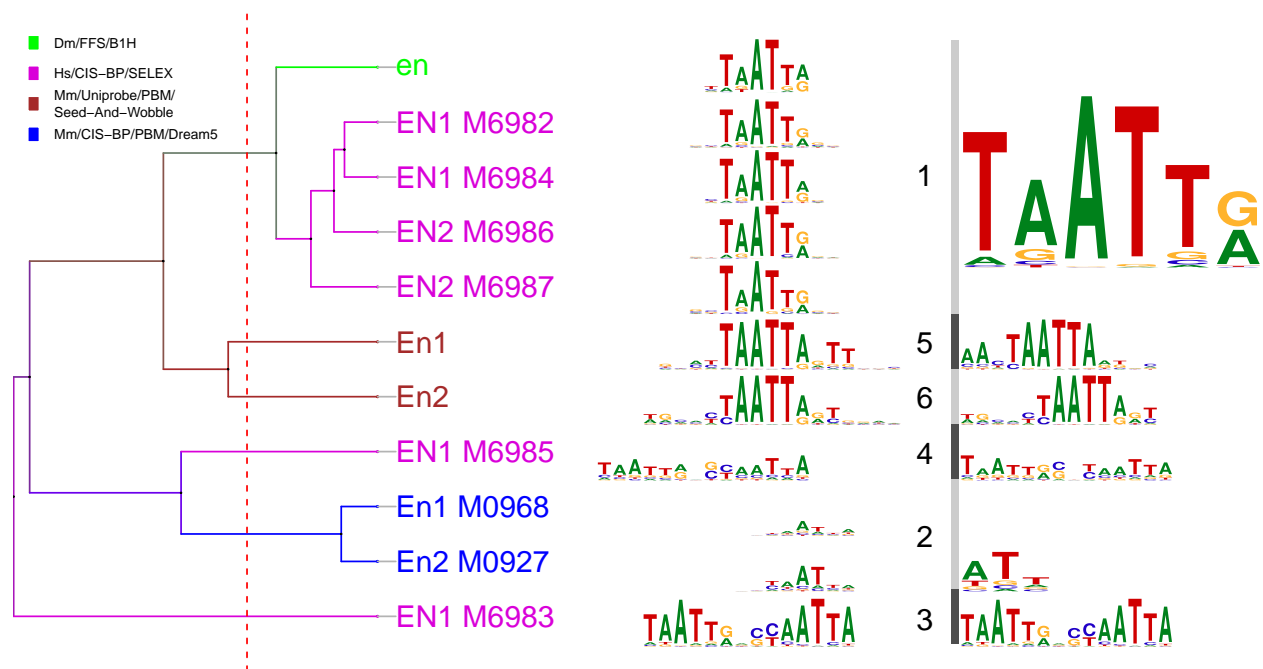
Supplementary Figure 3. Joint Alignment and Visualization of Motifs from Fly, Mouse and Human HD Family

Contents

Supplemental Figure 3. The joint comparison of motifs using MatAlign (3A) or MotIV (3B) between human (SELEX data, colored in brown), mouse (PBM data, colored in purple) and fly (B1H data, colored in green) HD domain proteins. Motifs from the human and mouse often grouped by species despite the relatively small evolutionary distance between these organisms. This observation suggests that the motif generation method can have a substantial impact on motif clustering.



Supplementary Figure 3B: Alignment of motifs from fly, mouse and human by MotIV



Supplementary Figure 3C: Alignment of engrailed orthologs by MatAlign