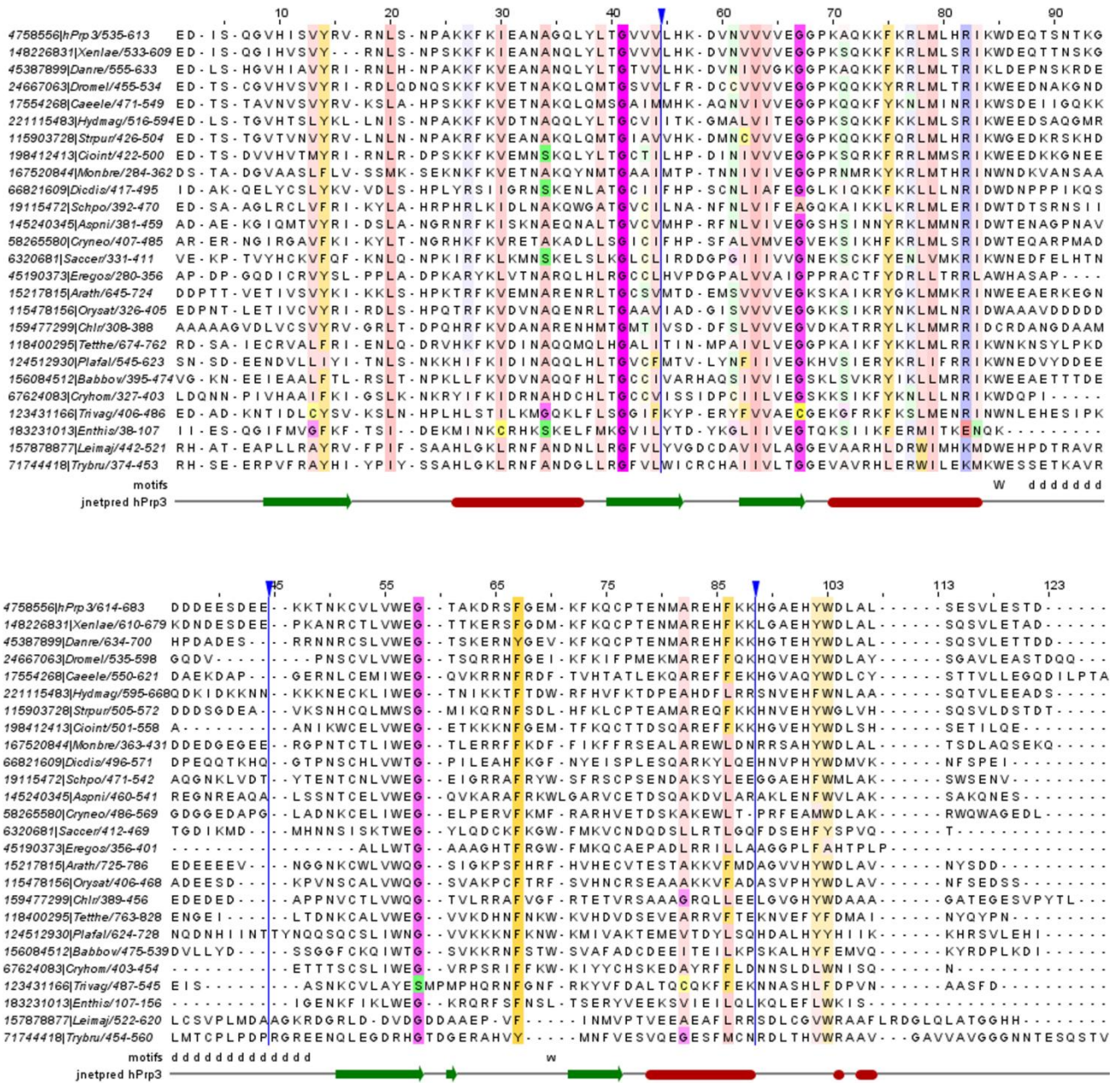
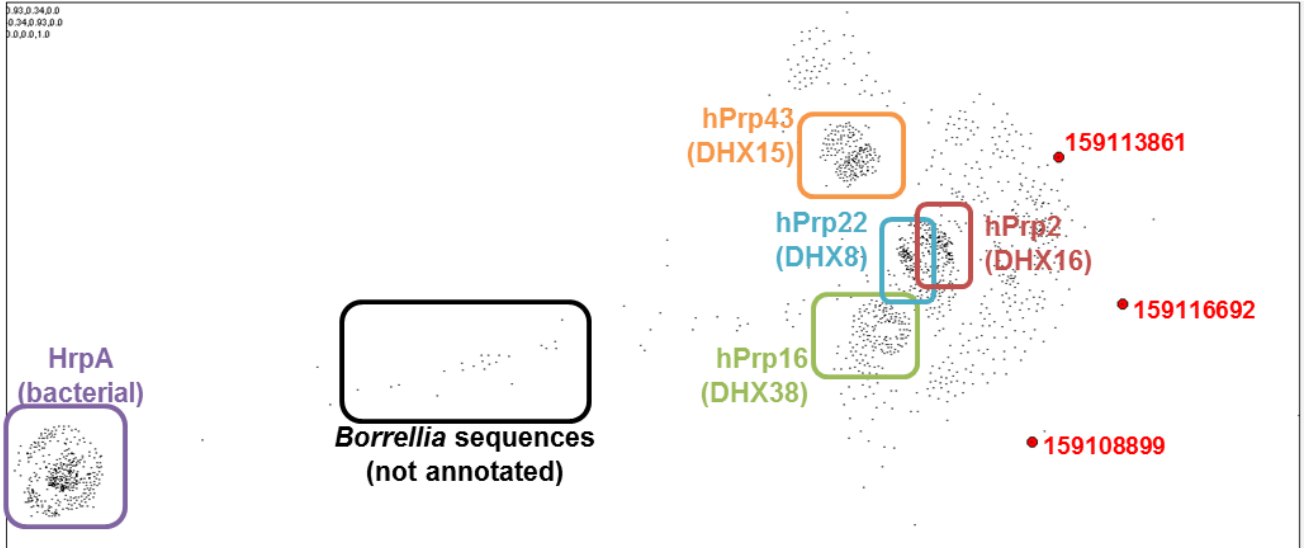


Supplementary Figure 1: QMEAN Z-score and MetaMQAPII-predicted RMSD for experimental and theoretical models. A. X-axis: predicted RMSD; Y-axis: QMEAN Z-score. $R^2=0.1418$.





Supplementary Figure 3: Results of clustering of sequences of DEAH family helicases. For eukaryotic proteins, only clusters containing the most important four human helicases are indicated. Also indicated are the positions of the sequences of the three *Giardia lamblia* DEAH helicases (red dots with GI numbers).

