Supplementary Figure 5: Quantifying the effect of crRNA:target mismatches using currently available RNA:DNA and DNA:DNA energy parameters. For each dataset (Table 1), a set of 21 positional weights were determined that minimized the error of model predictions. (A) Positional weights for mismatches at different locations of a target. (B) The calculated exchange energy for each base-pair as the difference between RNA:DNA and DNA:DNA energy parameters using available energy values. (C) Predictions versus measurements for ΔΔG_{exchange}. Pearson correlation of 0.56 and 0.26 for dataset I and dataset II, respectively.