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Supporting Information

The profiles of pair interaction energy between ssDNA and Abs were shown in Fig. S1. The pair interaction energies ($E + \text{VWD}$) were equal to zero after r of 5.6 nm. Therefore, the r value was varied from 3.6 to 5.6 nm in 0.05 nm increments for our PMF calculations.

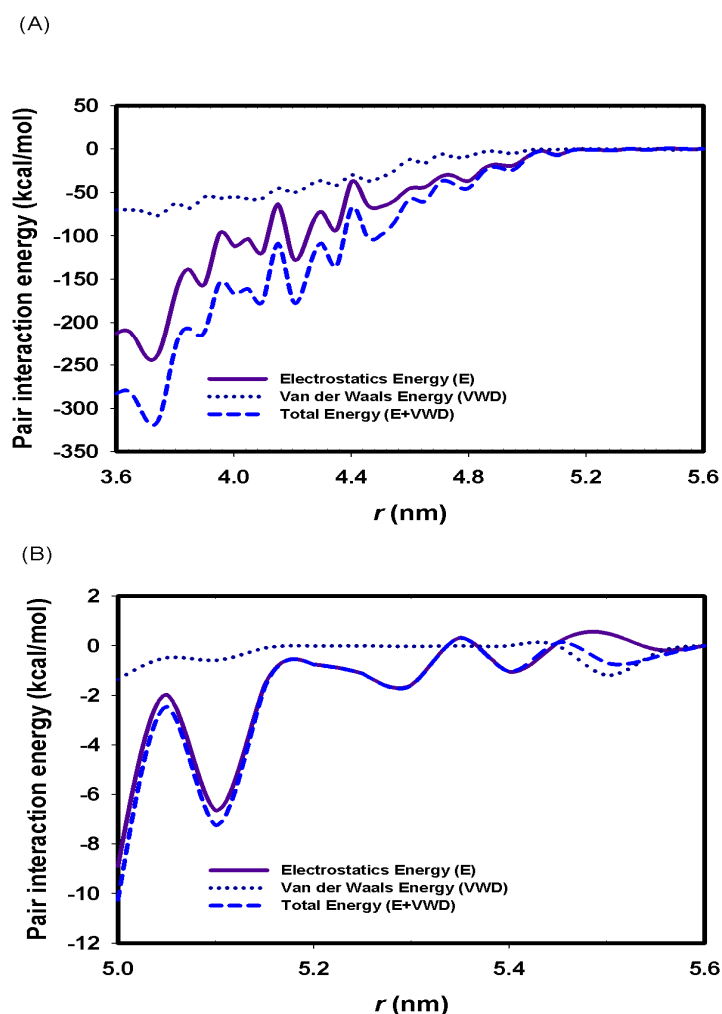


Fig. S1. (A) Pair interaction energies profile of PMF calculations at r of 3.6-5.6 nm.. (B) Pair interaction energies profile of PMF calculations at r of 5.0-5.6 nm.