Supporting Information

Thermodynamic characterization of the interaction between human Y-box binding protein YB-1 and nucleic acids

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**Table S1.** Molecular weights of constructs determined by size exclusion chromatography

<table>
<thead>
<tr>
<th>Construct</th>
<th>Mw calc. (kDa)</th>
<th>Mw obs. in SEC (kDa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>YB-1(Full)</td>
<td>37.0</td>
<td>89.5</td>
</tr>
<tr>
<td>YB-1(1-219)</td>
<td>24.9</td>
<td>52.3</td>
</tr>
</tbody>
</table>
**Figure S1.** Size exclusion chromatography of YB-1 and fragments. (A) YB-1(Full), (B) YB-1(1-219). Absorbance at 280 nm is indicated by the blue line; the orange line indicates absorbance at 260 nm.

(A)

![Graph showing YB-1 (Full)]

(B)

![Graph showing YB-1 (1-219)]
Figure S2. ITC profiles of the interaction between CSD and ssDNA. (A) 15 °C at 500 mM NaCl, (B) 30 °C at 500 mM NaCl, (C) 37 °C at 500 mM NaCl, (D) 15 °C at 150 mM NaCl, (E) 30 °C at 150 mM NaCl, (F) 37 °C at 150 mM NaCl.