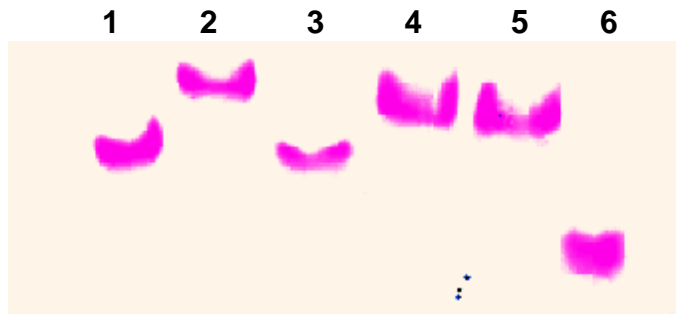


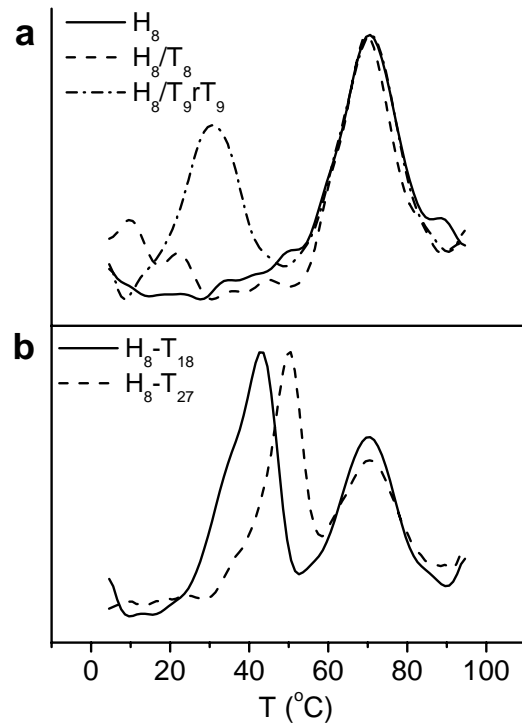
Supporting information for

**A Cooperative Beads-on-a-String Approach to Exceptionally Stable DNA Triplexes†**

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SI figure 1. Gel analysis of triplex structures. Lanes: 1) 2:1 H<sub>8</sub> - 5'-AAGAAGT<sub>18</sub> GAA GGA-3'. 2) 3:1 H<sub>8</sub>-T<sub>27</sub>. 3) 2:1 H<sub>8</sub>-T<sub>9</sub>rT<sub>9</sub>. 4) 1:1 H<sub>8</sub>-T<sub>18</sub>. 5) 2:1 H<sub>8</sub>-T<sub>18</sub>. 6) H<sub>8</sub>. Both the gel and running buffer contain 30 mM MgCl<sub>2</sub>.



SI figure 2. First derivative of melting transitions monitored at 260 nm. (a) the  $H_8$  hairpin dimer,  $H_8$  with  $T_8$  (1:1 ratio), and  $H_8$  with  $T_9rT_9$  (2:1 ratio) and (b)  $H_8$  with  $T_{18}$  (2:1 ratio), and  $H_8$  with  $T_{27}$  (3:1 ratio).