

SUPPORTING INFORMATION

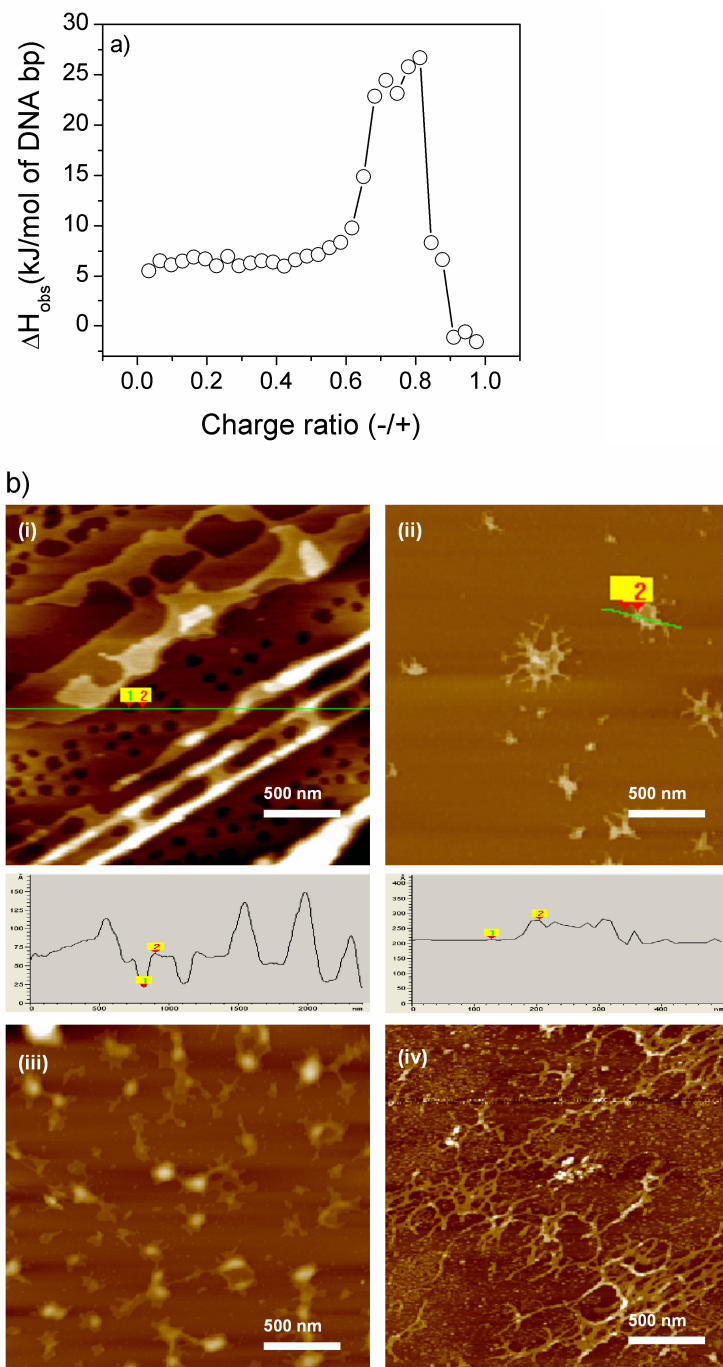


Figure S-1. Titration of 12-12-12 with DNA. (a) Profile of enthalpy vs charge ratio. Conditions: [12-12-12] = 0.5 mM, [DNA] = 3.0 mM; both in the presence of 10 mM NaBr; (b) AFM images at various charge ratios, (-/+): (i) 12-12-12 alone; (ii) (-/+) = 0.3; (iii) (-/+) = 0.6; (iv) (-/+) = 0.75.

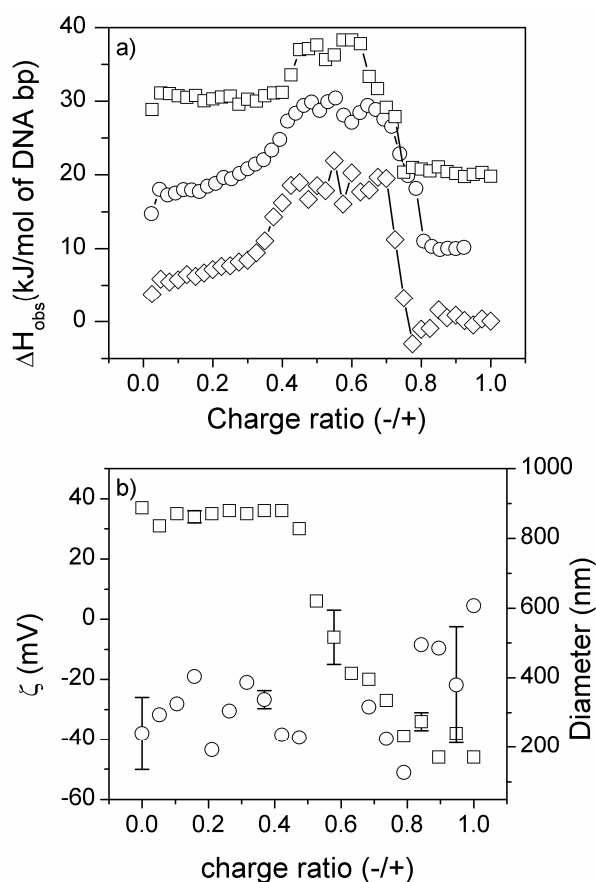


Figure S-2. (a) Profile of enthalpy vs charge ratio, (-/+), for titration of 12-3-12 (above cmc) with DNA. Conditions: ($\square$) [12-3-12] = 1.0 mM, [DNA] = 6.0 mM; ($\circ$) [12-3-12] = 0.5 mM, [DNA] = 3.0 mM; ($\diamond$) [12-3-12] = 0.33 mM, [DNA] = 2.0 mM. Both components in the presence of 10 mM NaBr; curves have been arbitrarily shifted for ease of visualization. (b) ζ potential ($\square$) and particle size ($\circ$) vs charge ratio, (-/+), for 12-3-12 (above cmc). Conditions: [12-3-12] = 1.0 mM, [DNA] = 6.0 mM; both in the presence of 10 mM NaBr.

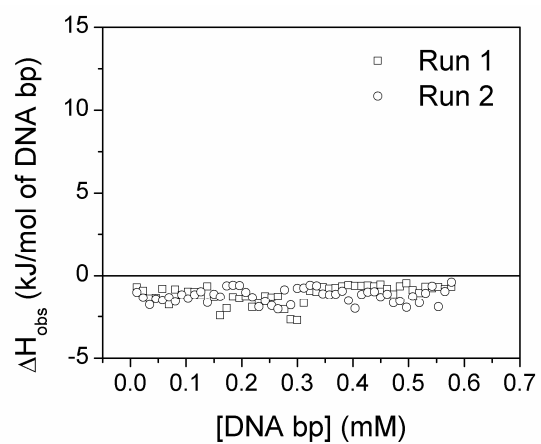


Figure S-3. Enthalpy vs DNA concentration (bp) for addition of DNA to DOPE