

Supplementary Information

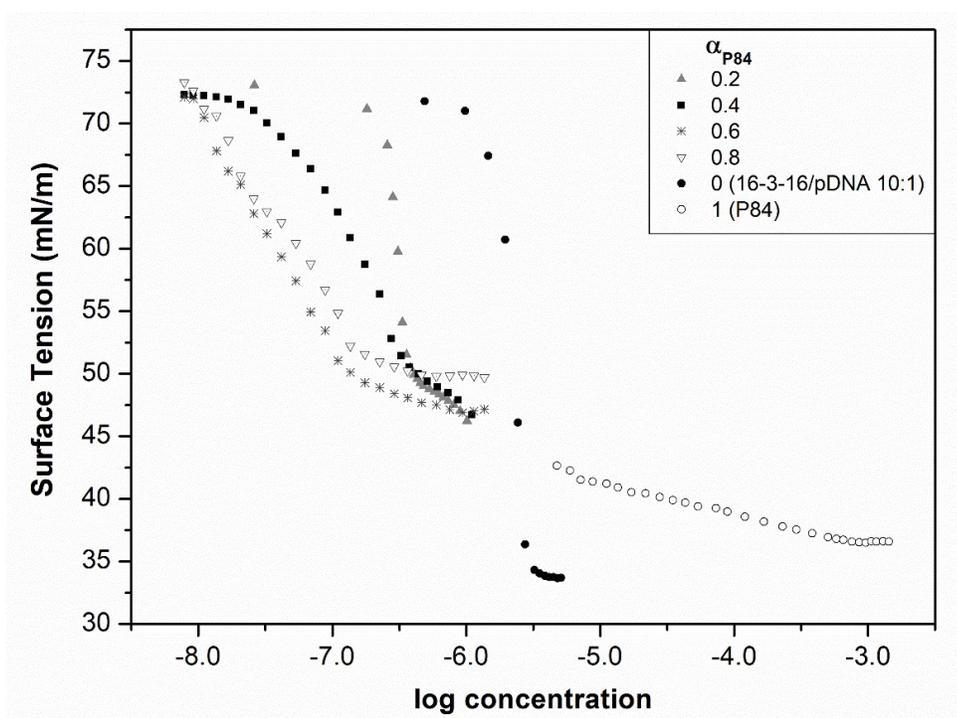


Figure S1 Plots of surface tension versus total amphiphile for P84/16-3-16/pDNA mixtures with varying mole fractions of P84. $\alpha = 1$, and $\alpha = 0$ represent pure P84 and 16-3-16/pDNA solutions, respectively.

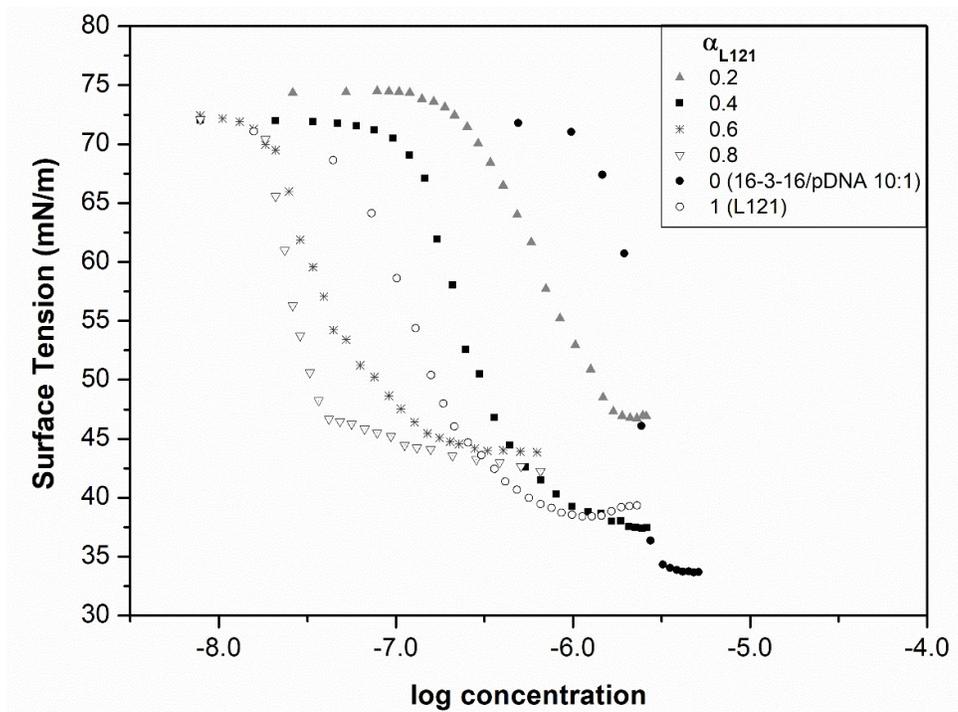


Figure S2 Plots of surface tension versus total amphiphile for L121/16-3-16/pDNA mixtures with varying mole fractions of L121. $\alpha = 1$, and $\alpha = 0$ represent pure L121 and 16-3-16/pDNA solutions, respectively.

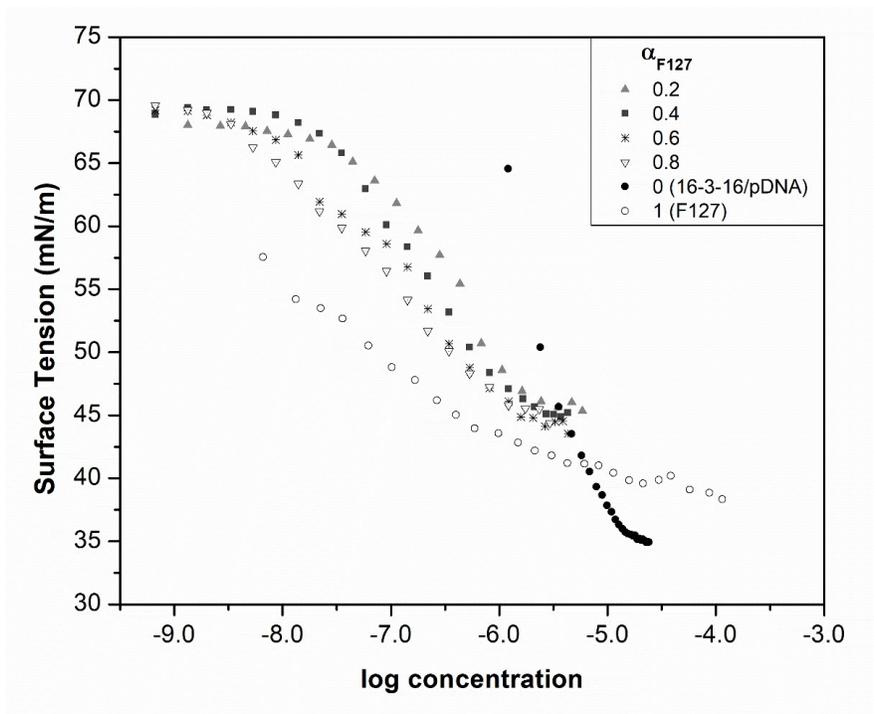


Figure S3 Plots of surface tension versus total amphiphile for F127/16-3-16/pDNA mixtures with varying mole fractions of F127. $\alpha = 1$, and $\alpha = 0$ represent pure F127 and 16-3-16/pDNA solutions, respectively.

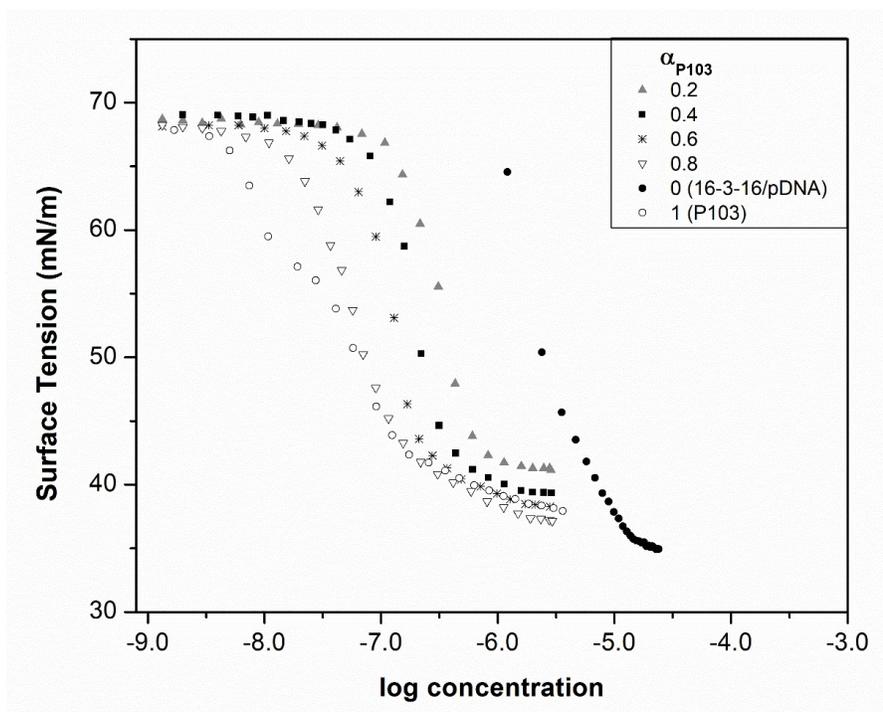


Figure S4 Plots of surface tension versus total amphiphile for P103/16-3-16/pDNA mixtures with varying mole fractions of P103. $\alpha = 1$, and $\alpha = 0$ represent pure P103 and 16-3-16/pDNA solutions, respectively.

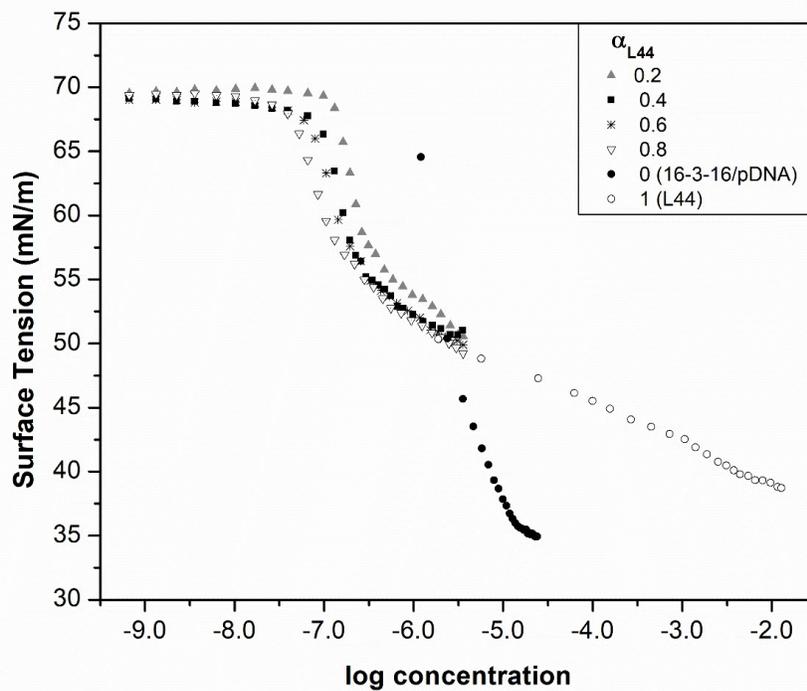


Figure S5 Plots of surface tension versus total amphiphile for L44/16-3-16/pDNA mixtures with varying mole fractions of L44. $\alpha = 1$, and $\alpha = 0$ represent pure L44 and 16-3-16/pDNA solutions, respectively.

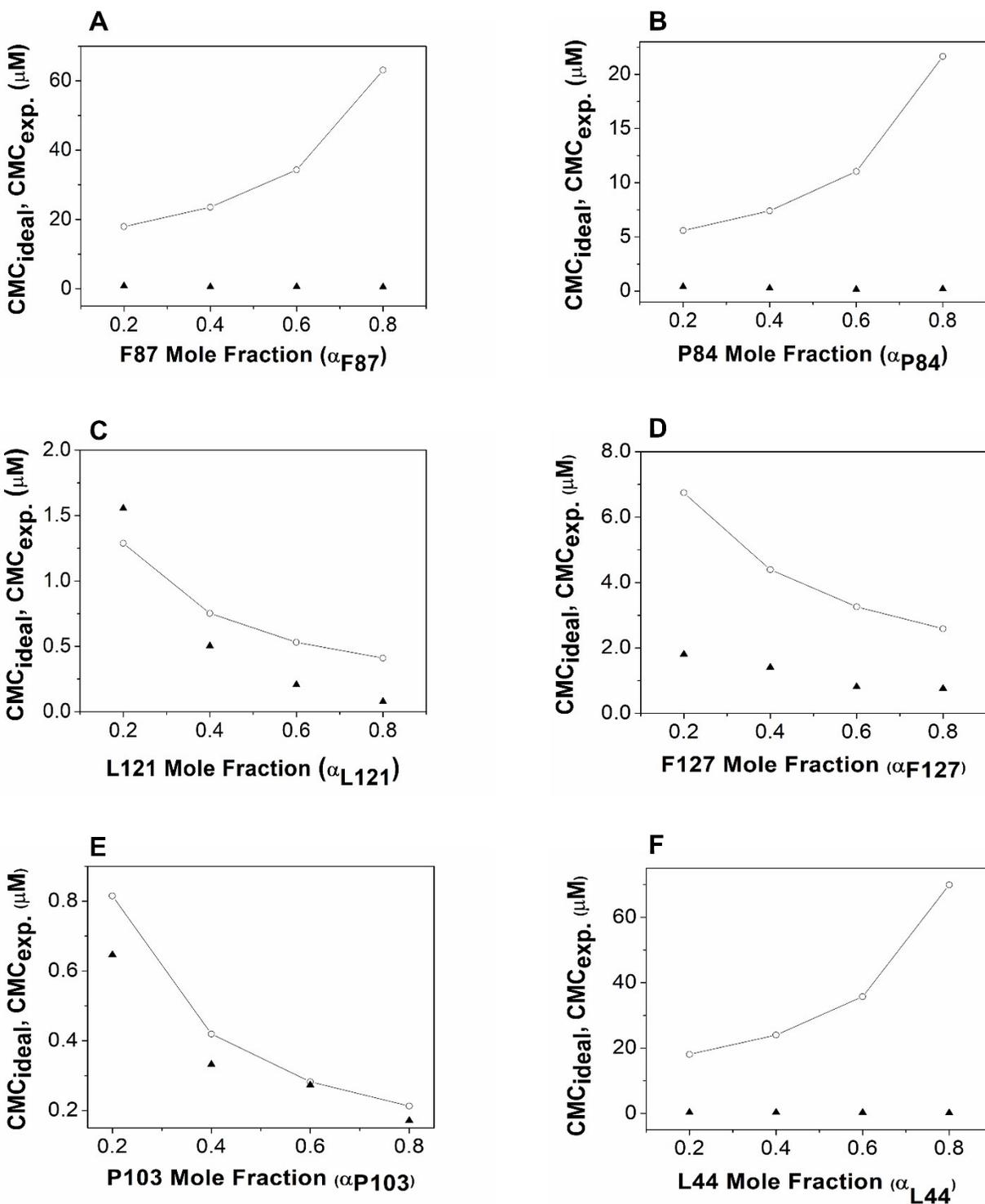


Figure S6 Calculated ideal CMC (\circ) and experimentally determined CMC values (\blacktriangle) for each Pluronic/16-3-16/pDNA mixtures at varying Pluronic mole fractions. A) shows F87 mixtures, B) P84, C) L121, D) F127, E) P103, F) L44.

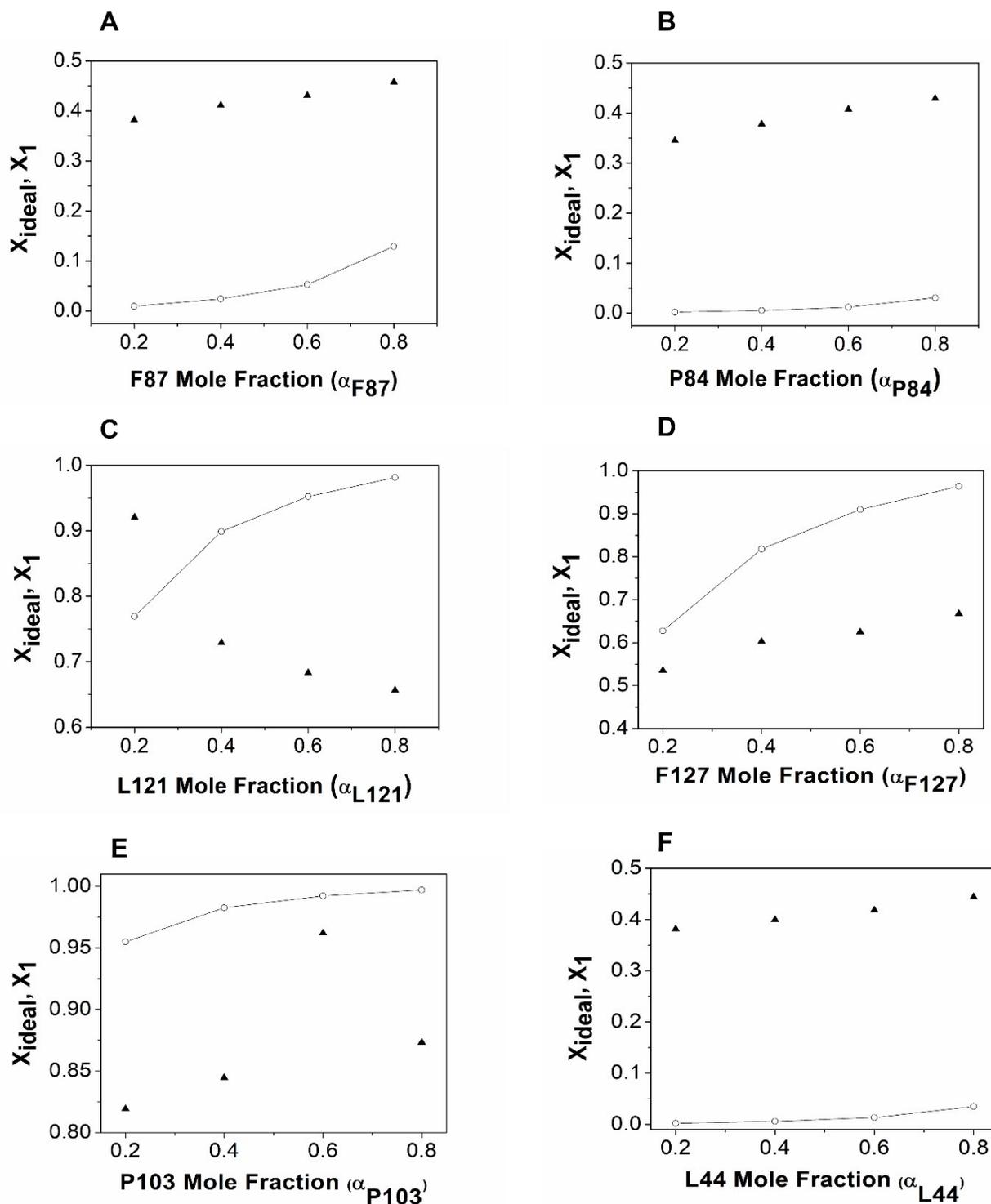


Figure S7 Calculated X_{ideal} (\circ) and X_1 values (\blacktriangle) for Pluronic/16-3-16/pDNA mixtures at varying Pluronic mole fractions. A) shows F87 mixtures, B) P84, C) L121, D) F127, E) P103, F) L44.

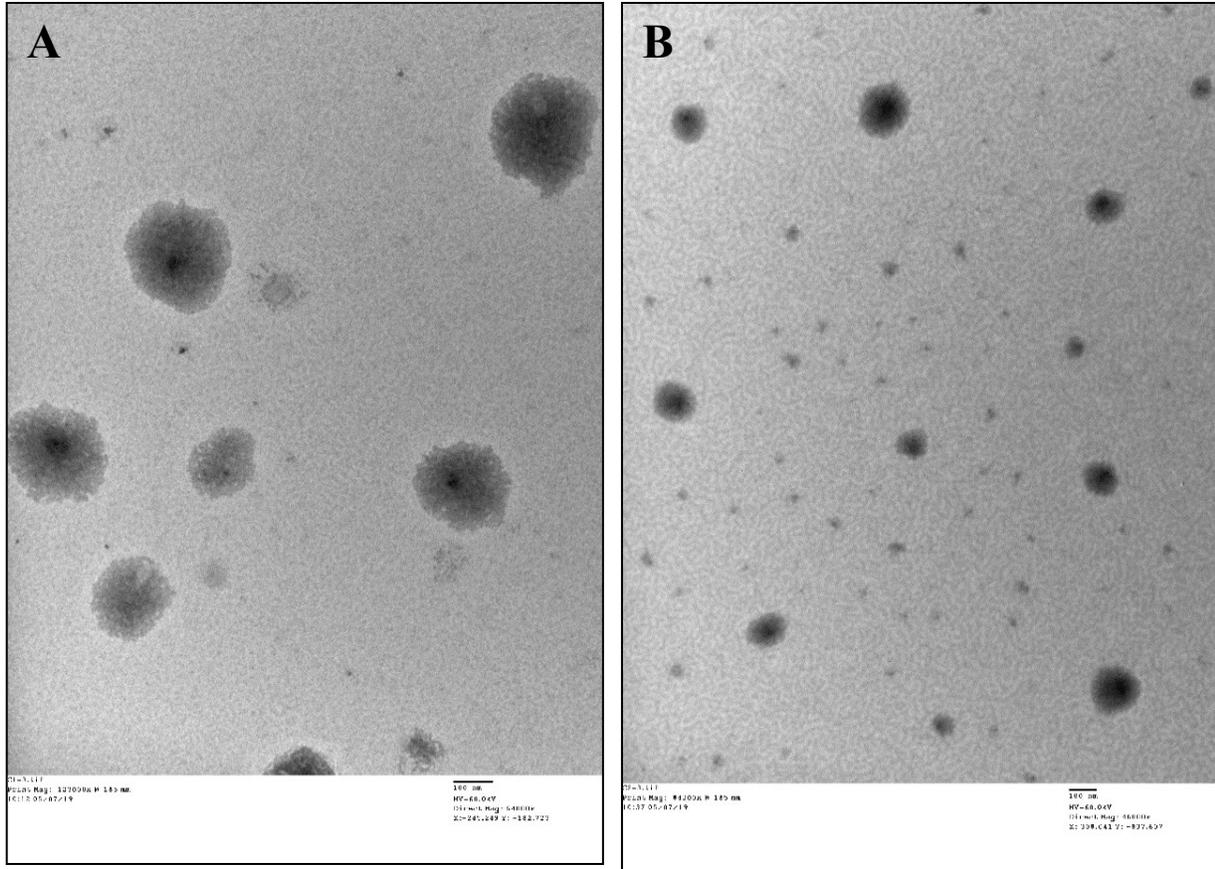


Figure S8 Transmission electron micrographs of A) 16-3-16/pDNA 10:1 complex (without Pluronic) at 64000x magnification, B) 0.2 P84 at 46000x. All size bars represent 100nm.