

Electronic Supplementary Information

Title: Programming the Kinetics and Extent of Colloidal Disassembly Using a DNA Trigger

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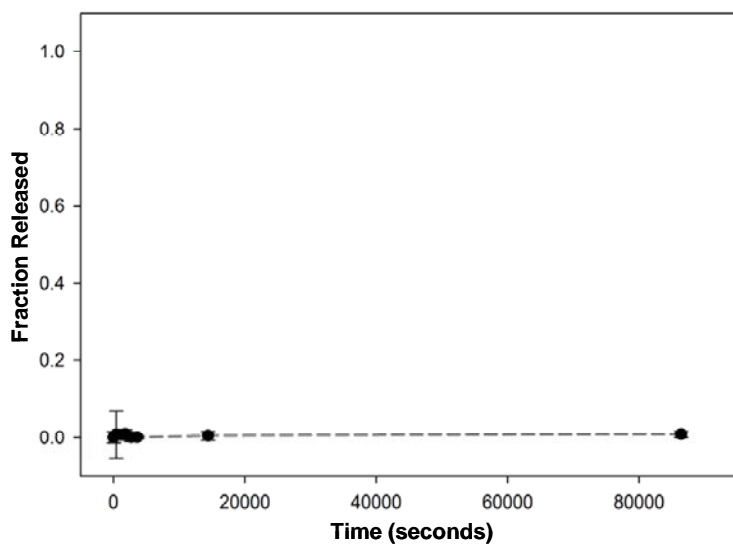


Figure S1: Fraction of primary targets (**B10**) released from immobilized duplexes as a function of incubation time with noncomplementary, secondary targets (**NC20**) in PBS/Tween buffer. The fraction of FITC-labeled primary targets released or dissociated was measured by comparing the surface density of labeled primary duplexes remaining at $t = x$ to the original surface duplex density at $t = 0$. This control experiment demonstrates that little, if any thermal dissociation occurs for the 10 base-long primary duplexes over the 24 h experimental timeframe.