

ASSOCIATED CONTENT

SUPPLEMENTAL FIGURES

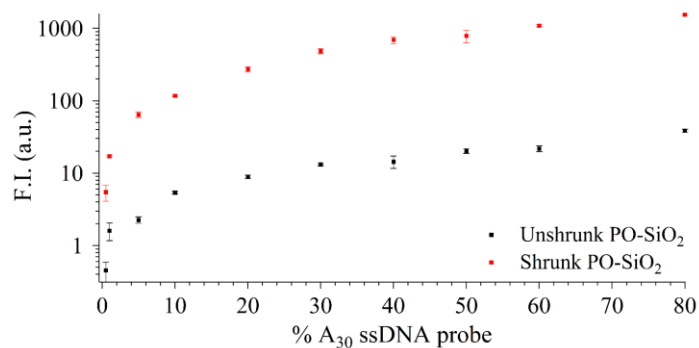


Figure S1. Average DNA microarray fluorescence microarray intensities performed on shrunk and non-shrunk PO-SiO₂ substrate. The fluorescence intensity of the background (0%) was subtracted from each of the fluorescence intensities on the shrunk and unshrunk PO-SiO₂. F.I. corresponds to fluorescence intensity.

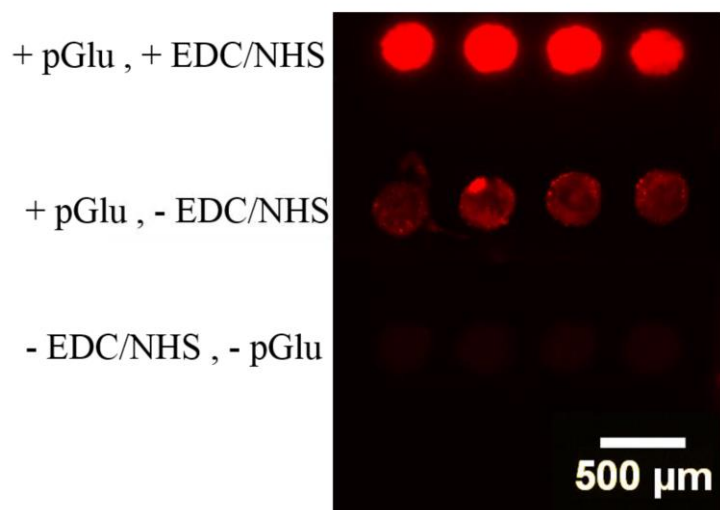


Figure S2. Fluorescence images of DNA fluorescence microarray performed in the presence of pGlu and EDC/NHS, in the absence of EDC/NHS, and in the absence of both EDC/NHS and pGlu, respectively, on the shrunk PO-SiO₂ substrate.

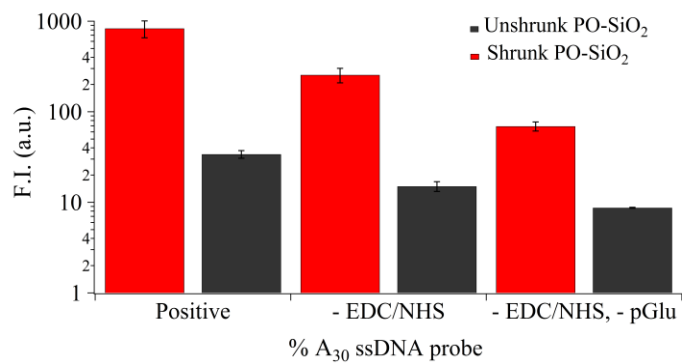


Figure S3. Histogram of fluorescence intensities for DNA fluorescence microarray performed in the presence of pGlu and EDC/NHS, in the absence of EDC/NHS, and in the absence of both EDC/NHS and pGlu, respectively. Error bar is calculated by taking the standard deviation of the eight spots. F.I. corresponds to fluorescence intensity.