## **Electronic Supplementary Information**

## Sequential and one-pot post-polymerization modification reactions of thiolactonecontaining polymer brushes

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Figure S1. <sup>1</sup>H NMR of the thiolactone acrylamide monomer.



Figure S2. <sup>13</sup>C NMR of the thiolactone acrylamide monomer.

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**Figure S3.** High resolution C1s spectra for (a) unmodified pAHT brush (b) sequentially modified pAHT-BBA-PFDA brush and (c) one-pot modified pAHT-BBA-PFDA brush. These spectra are representative of the brush/air interface without any sputter depth profiling.