Supporting Information

Stronger Adsorption of Phosphorothioate DNA Oligonucleotides on Graphene Oxide by van der Waals Forces

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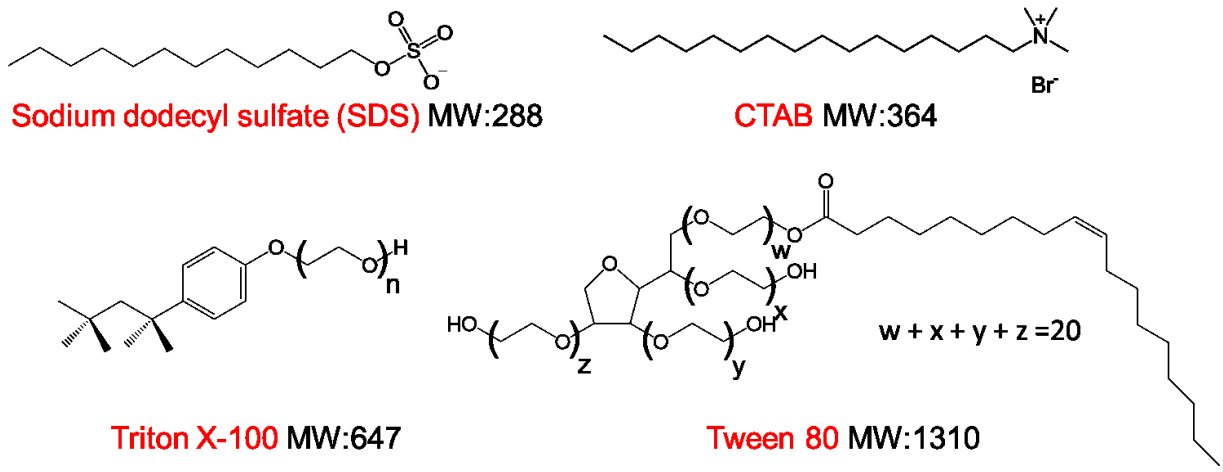

Figure S1. Molecular structures of three surfactants (SDS, CTAB, Triton X-100, and Tween 80).

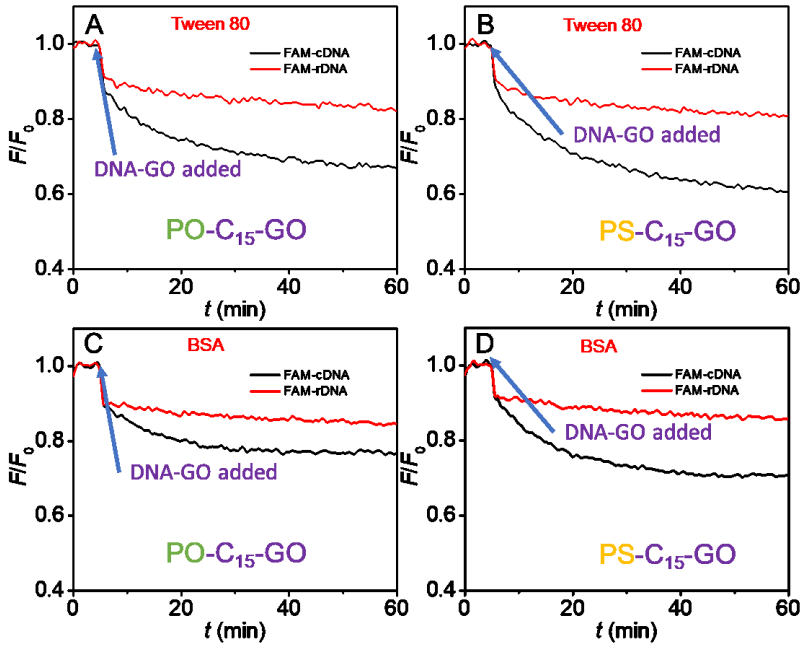

Figure S2. Kinetics of specific hybridization by adding FAM-cDNA and non-specific adsorption by adding FAM-rDNA on PO-C_{15}-12mer and PS-C_{15}-12mer pre-modified GO with the existence of 0.5% Tween 80 (A&B) and 0.25 mg/mL BSA (C&D). The arrowheads point to the addition of the GO conjugates.