



Fig. S1 DPV curves of the modified electrode prepared in the absence of hairpin DNA (b), BPA-aptamer-ssDNA-B (c), CuSO_4 (d), AA (e), $\text{CuBr}_2/\text{Me}_6\text{TREN}$ (f), PBIB (g) or FMMA (h) in 1 M LiClO_4 .