**Supplementary Materials**

**Development of non-enzymatic glucose electrode based on Au nanoparticles decorated single-walled carbon nanohorns**

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Fig.S1 Raman spectra of oxSWCNHs (red) and SWCNHs (blue). (ID/IG: intensity ratio of D and G peaks)



Fig.S2 Amperometric response at 0.2, 0.3, and 0.4 V (vs. Ag/AgCl) of the Au-SWCNHs/Au electrode in a 4 mM glucose solution.



Fig.S3 Amperometric response of the Au-SWCNHs/Au electrode to 4 mM glucose over a large period of time (2000 s).



Fig. S4 Stability of the Au-SWCNHs/Au electrode stored in air tight container for 19 days.