## **Supporting Information**

## PdPt bimetallic alloy nanowires-based electrochemical sensor

## for sensitive detection of ascorbic acid

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## 1. Figures



Fig. S1 the Cyclic voltammograms of PdPt-1:1 BANWs/GCE in the presence of 2.0 mM AA, scanned at 20 mVs<sup>-1</sup> in 0.1 M NaOH and 0.1 M different pH phosphate buffer solutions

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Fig. S2 Amperometric responses of PdPt-1:1 BANWs/GCE at different potentials (-0.05 V to 0.15 V).



Fig. S3 CVs of 1.0 mM AA, 1.0 mM DA, 1.0 mM glucose, 1.0 mM UA, 1.0 mM APAP, 1.0 mM glycine and 1.0 mM tryptophan in 0.1M NaOH at PdPt-1:1 BANWs/GCE at a scan rate of 20 mV/s.