

## Supplementary data

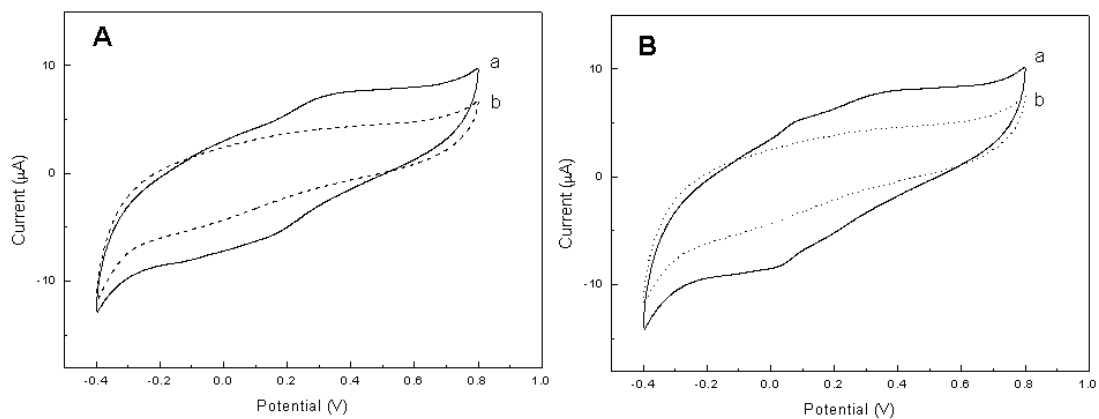
### Unique tetragonal starlike polyaniline microstructure and its application in electrochemical biosensing

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**Fig. S1 SEM image of PANI doped with AA at 0°C by self-assembly method. Reaction condition: [An] = [APS] = 0.05 M, [AA] = 0.025 M; polymerize at 0 °C for 6 h**



**Fig. S2 Typical CVS of TS-PANI/GCE (A) and previous PANI/GCE obtained at 0 °C (A) in PBS buffer:  
(a) pH 2; (b) pH 7.**