**SUPPLEMENTAL MATERIAL**

**A Polydopamine coated polyaniline single wall carbon nanotube composite material as a stable supercapacitor cathode in organic electrolyte**

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**Figure S1.** Ratio between inner charge storage and outer charge storage for sample DPS-1 and sample PS.



**Figure S2.** Relationship between discharge current density and specific capacitance for sample DPS-2 and sample DPS-3.



**Figure S3.** (a), (b) and (c) SEM images of sample PS electrode before cycling test; (d), (e) and (f) SEM images of sample PS electrode after cycling test.