## Supporting Information: Calcium Niobate Nanosheets as Novel Electron Transport Material for Solution-processed Multi-junction Polymer Solar Cell

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**Fig. S1** (TOP) Transmittance spectra of various thicknesses of CNO on quartz. (BOTTOM) Diffuse reflectance spectra of various thicknesses of CNO on quartz. Inset shows a magnification of the diffuse reflectance traces.



Fig. S2 J-V curve comparing P3HT:PCBM BHJ single junction device with and without  $N_2$  plasma treatment.



**Fig. S3** (LEFT) AFM height (top) and corresponding phase (bottom) images. (RIGHT) Scan lines across (a) nanosheet laying flat on the  $TiO_x$  surface, and (b) nanosheet laying at an angle to the surface, as shown by the height image on the left.



**Fig. S4** Absorbance of P3HT:PCBM single junction device and tandem devices with different ETLs within the recombination layer