

## Supporting information

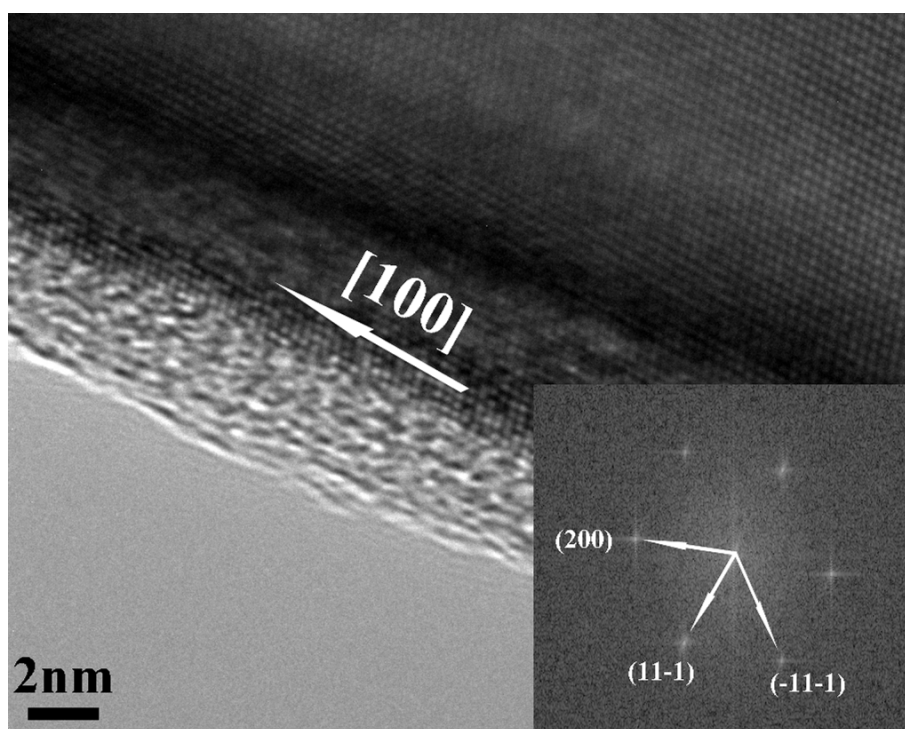


Fig S1. HRTEM image of an individual SiNW prepared by Ag-assisted chemical etching method. Inset shows the corresponding FFT pattern.

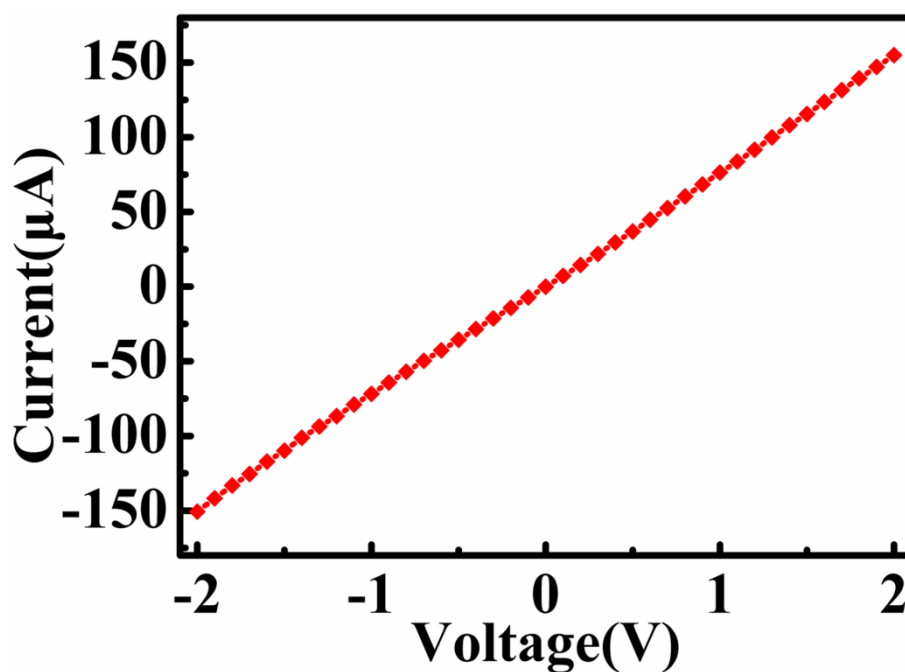


Fig S2. Typical *I-V* curve of *p*-CdTe :Sb NR.