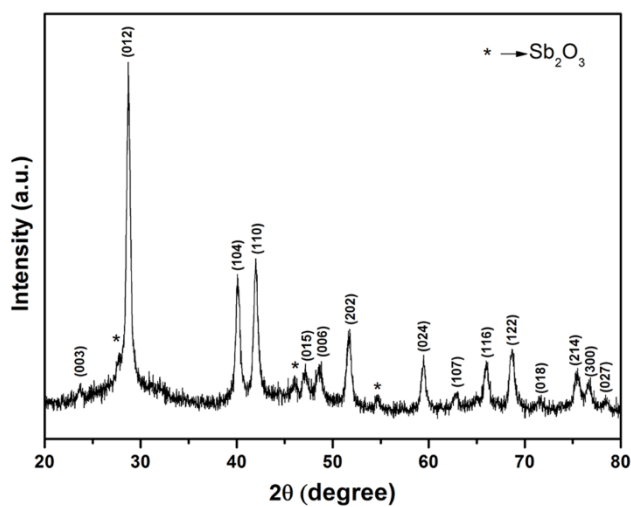


## ELECTRONIC SUPPLEMENTARY INFORMATION

# Stable anode performance of an Sb-carbon nanocomposite in lithium-ion batteries and the effect of the ball milling mode in the course of its preparation

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**Figure S1.** X-ray diffraction patterns of the sample obtained by ball milling mode D and annealed at 250° C for 1 hour in argon atmosphere. The diffraction peaks of the Sb phase are indexed and the positions of the Sb<sub>2</sub>O<sub>3</sub> peaks are marked with a star symbol.