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Supplementary Information

Effects of fluorination on structure, magnetic and electrochemical properties of the P2-type Na_xCoO_2 powder

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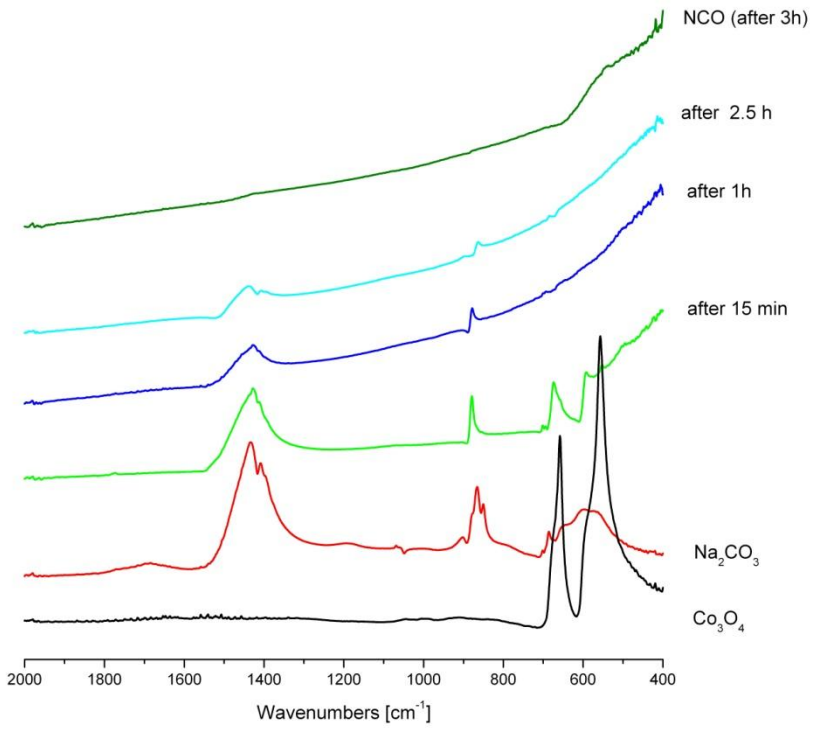

Figure S1. The evolution of FTIR spectra during the synthesis of pristine Na_xCoO_2.

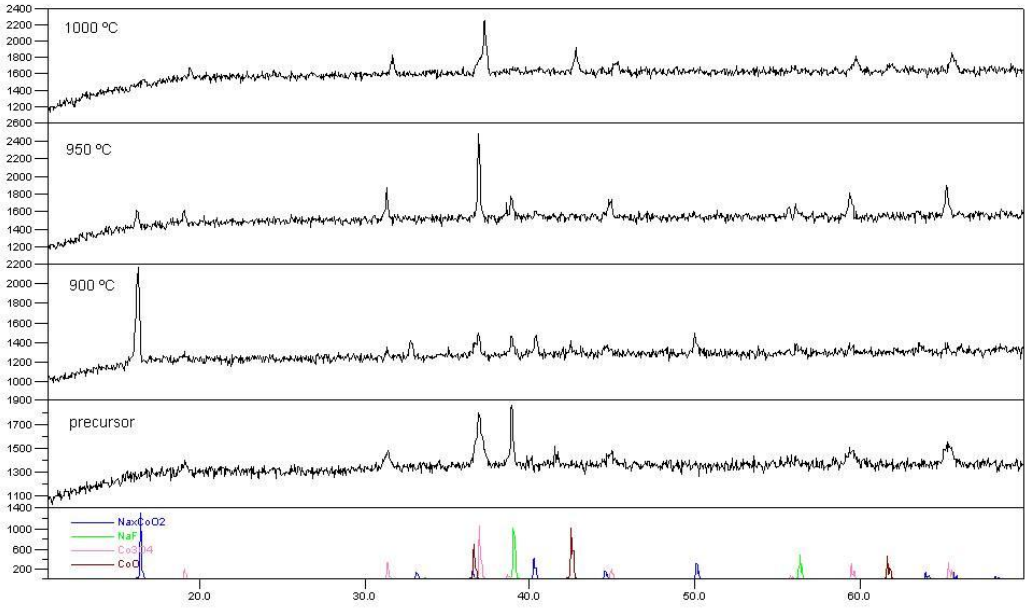

Figure S2. X-ray diffractograms taken at different stages of a solid-state reaction between Na_2CO_3, Co_3O_4, and NaF. The patterns at the bottom are taken from ICDD PDF database as reference patterns for phase identification.