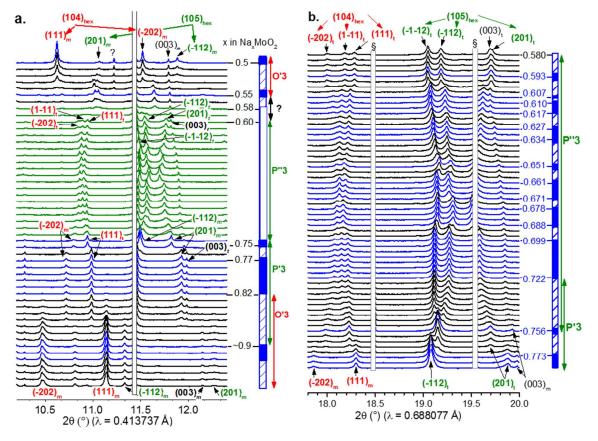
## The Na<sub>x</sub>MoO<sub>2</sub> Phase Diagram ( $1/2 \le x < 1$ ): An Electrochemical Devil's Staircase

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## Supporting information

Figure S1. Zoom over the X-ray diffraction patterns collected during the (a) Operando in situ experiment and (b) the second in situ experiment. The stacking type adopted by the structure of the  $Na_xMoO_2$  material upon sodium intercalation is determined based on the intensity ratio of diffraction lines issued from (104)<sub>hex</sub> and (105)<sub>hex</sub>. The resulting stacking types are indicated next to the phase diagram aside the X-ray diffraction data.

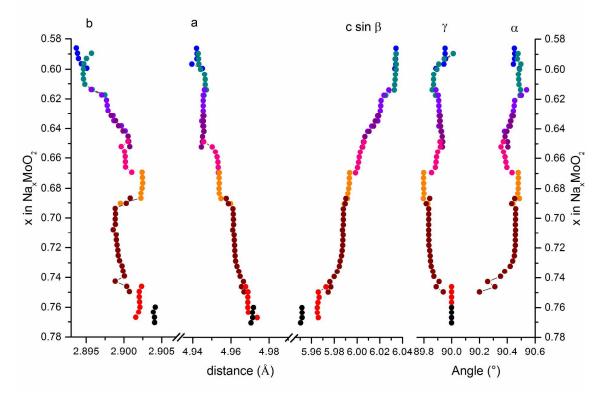


Figure S2. Evolution of the cell parameters of the NaxMoO2 phases upon sodium intercalation.