

Supplementary materials:

## Sodium Ion Transport Mechanism in Antiperovskite Electrolytes of Na<sub>3</sub>OBr and Na<sub>4</sub>OI<sub>2</sub>: An *in-situ* Neutron Diffraction Study

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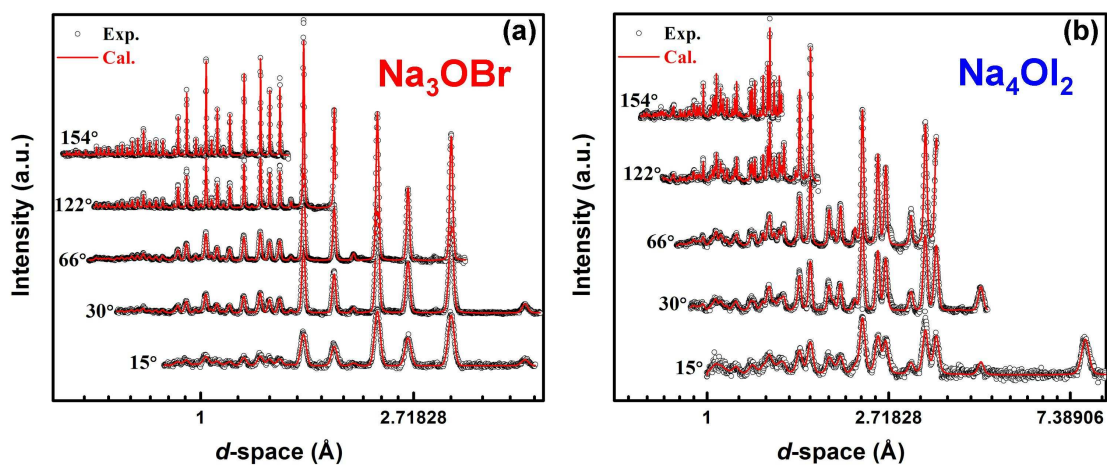
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**Figure S1** Neutron diffraction patterns of (a)  $\text{Na}_3\text{OBr}$  and (b)  $\text{Na}_4\text{OI}_2$  at 500 K, for all the five detector banks at  $2\theta = 154^\circ$ ,  $122^\circ$ ,  $66^\circ$ ,  $30^\circ$ , and  $15^\circ$  used for Rietveld refinement and MEM analysis.