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## **Supporting Information**

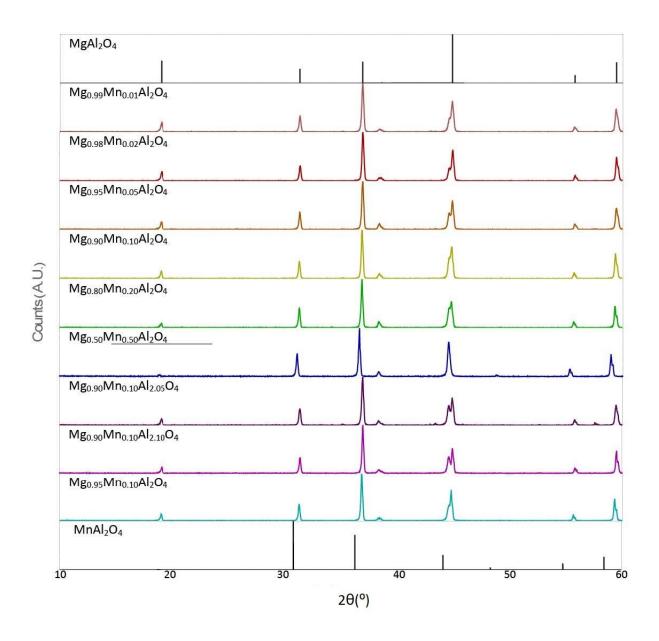


Figure S1 XRD on the top and bottom MgAl<sub>2</sub>O<sub>4</sub> and MnAl<sub>2</sub>O<sub>4</sub> reference spectrum are shown