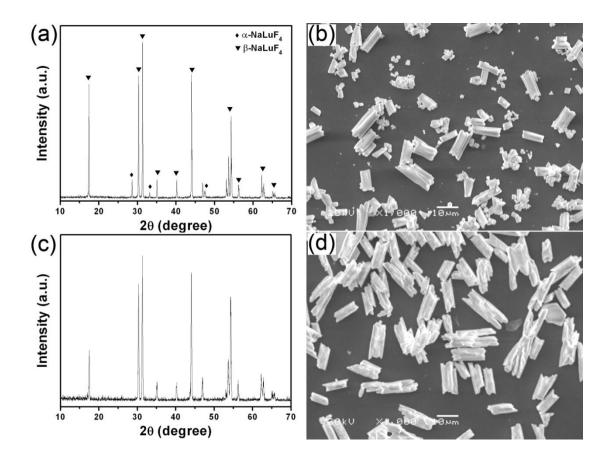
## Morphology-Controllable Synthesis and Enhanced Luminescence Properties of $\beta$ -NaLuF4: Ln (Ln = Eu, Tb and Ce/Tb) Microcrystals by Solvothermal Process

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**Fig. S1:** XRD and FESEM results of the samples prepared at 200 °C for 24 h with different mineralizer of  $Na_2SO_4$  (a) and (b),  $Na_3PO_4$  (c) and (d). Both samples were

obtained with EDA/EG volume ratio of 10/10.