Supporting Information for

Orthorhombic KSc_2F_7:Yb/Er Nanorods: Controlled Synthesis and Strong Red Upconversion Emission

Yujie Ding,[a] Xue Teng,[c] Hao Zhu,[a] Lili Wang,[c] Wenbo Pei,[b,c] Jun-Jie Zhu,*[a] Ling Huang*[b,c] and Wei Huang*,[b]

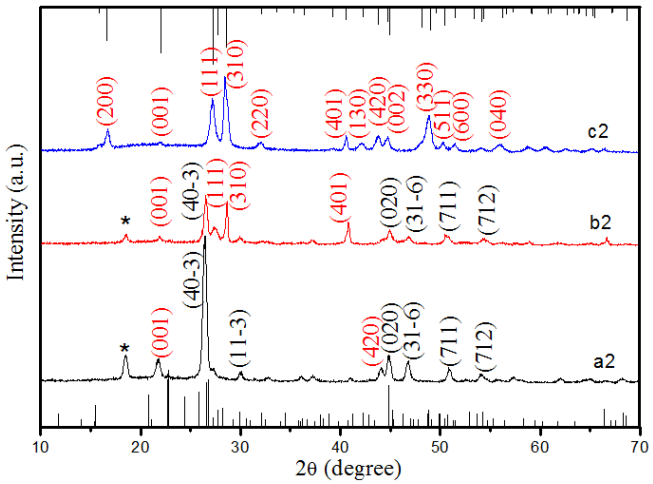

Figure S1 XRD patterns of $KScF_x$ synthesized at (a2) 4.0, (b2) 2.8, and (c2) 1.6 mmol of F^- content，respectively . The straight line pattern below shows the standard pattern of monoclinic phase $KScF_4$ (JCPDS card 48-0677), whose lattice planes are shown in black. The upside is orthorhombic phase KSc_2F_7 (JCPDS card 77-1321), whose lattice planes are shown in red. The peaks marked with asterisks refer to unknown composition.

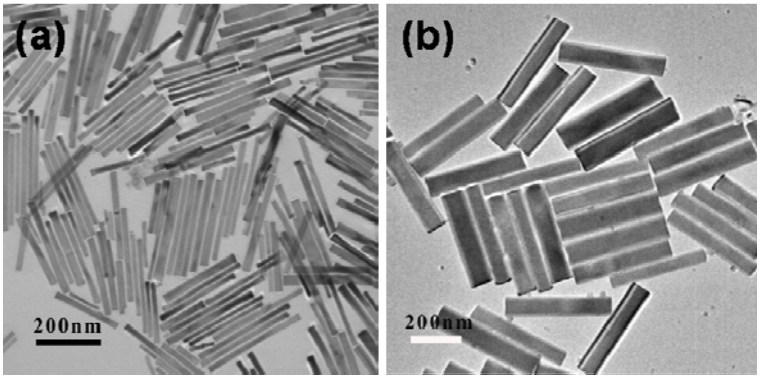

Figure S2 TEM images of KSc_2F_7:Yb/Er nanorods (a) and β-$NaYF_4$:Yb/Er nanorods (b)