

Supplementary Information

Fig. S1 (a) XRD patterns of as-synthesized and annealed Y_2O_3 (JCPDS: 43-1036); TEM image of $Y_{1.993}Dy_{0.001}Tm_{0.006}O_3$ phosphor (b) as-synthesized and (c) annealed

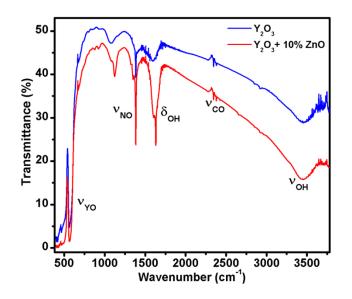


Fig. S2 FTIR of undoped and 10 mol% codoped ZnO in Y_{1.993}Dy_{0.001}Tm_{0.006}O₃