



**Figure S1.** The integrated emission intensities of  $\text{La}_{0.95}\text{Eu}_{0.05}\text{O}_{0.65}\text{F}_{1.7}$  and  $\text{La}_{0.94}\text{Bi}_{0.01}\text{Eu}_{0.05}\text{O}_{0.65}\text{F}_{1.7}$  phosphors.