

Supporting Information

Exceptional low-temperature fluorescent sensing properties in novel $\text{KBaY}(\text{MoO}_4)_3:\text{Yb}^{3+},\text{Ho}^{3+}$ materials based on FIR of Ho^{3+} transitions ${}^5\text{F}_{5(1)} \rightarrow {}^5\text{I}_8/{}^5\text{S}_2 \rightarrow {}^5\text{I}_8$

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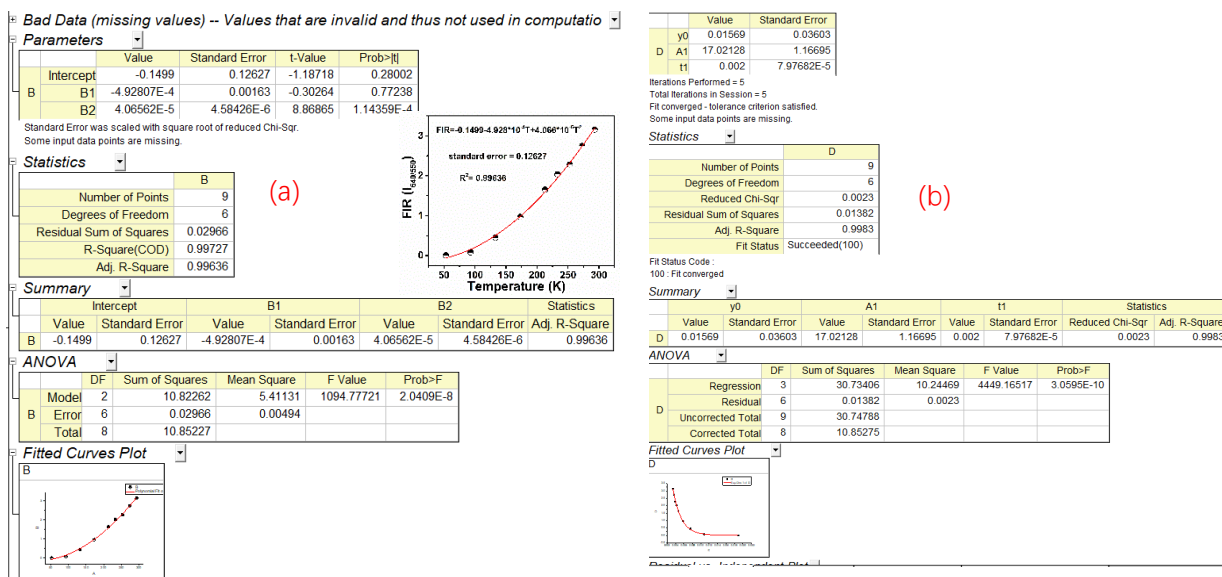


Fig. S1 The fitting results for the $\text{FIR}(I_{640/550})$ vs temperature (K) using polynomial (a) and exponential (b) functions, respectively, inset in (a) is the variation of $\text{FIR}(I_{640/550})$ values for $\text{KBaYMO:0.60Yb}^{3+},0.01\text{Ho}^{3+}$ as a function of temperature and corresponding fitting curve for them using polynomial function.