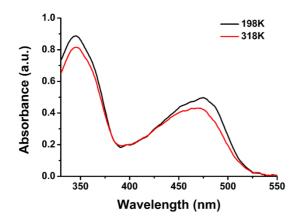
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## An Ytterbium Complex with Unique Luminescence Properties: Detecting Temperature Based on a Luminescence Spectrum without Interference of Oxygen

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**Figure S1.** UV-Vis absorption spectra of [Yb(tta)<sub>3</sub>DFQZ] in nitrogen saturated toluene with a concentration of  $5 \times 10^{-6}$  mol L<sup>-1</sup> at 198 and 318 K.