

Supplementary information
for
Temperature-dependent luminescence quenching in new water-soluble
europium complexes in water and heavy water

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Luminescence emission spectra

Fluorescence measurement mode

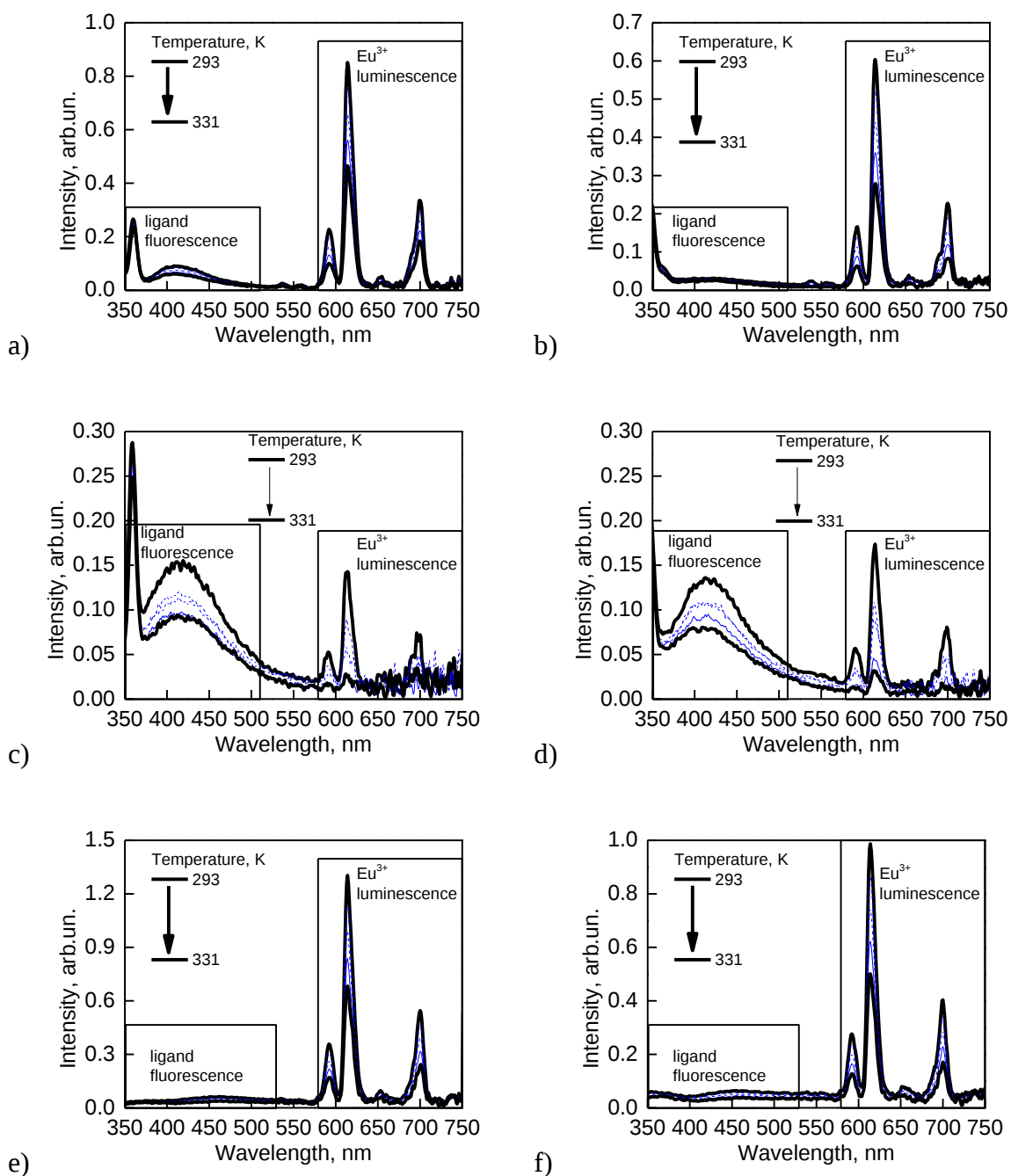


Figure S1. Luminescence emission spectra (fluorescence measurement mode) of water-soluble europium complexes in water and heavy water at various temperatures: (a) – complex 1 in water, (b) – complex 1 in heavy water, (c) – complex 2 in water, (d) – complex 2 in heavy water, (e) – complex 3 in water, (f) – complex 3 in heavy water.

Phosphorescence measurement mode

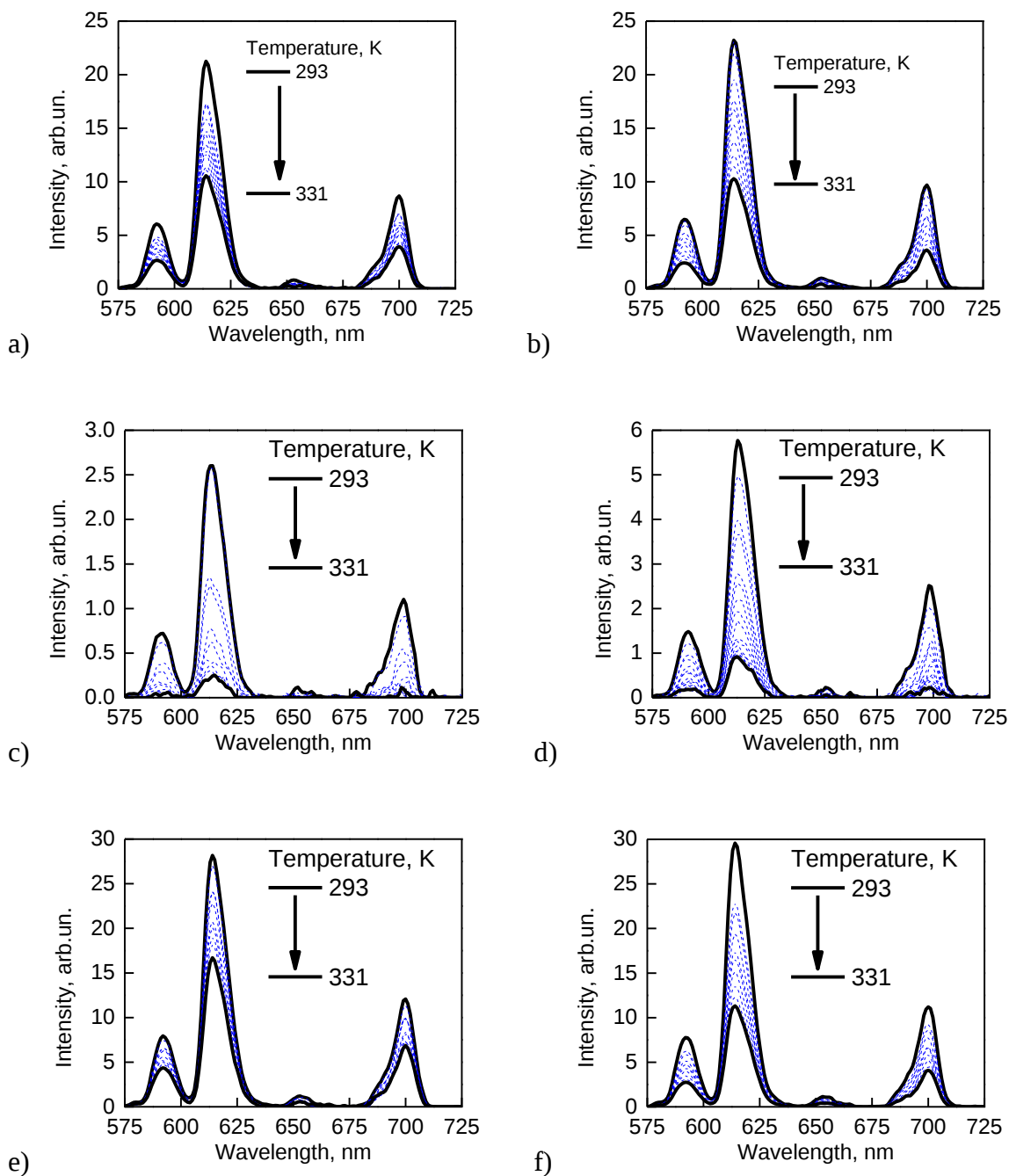


Figure S2. Luminescence emission spectra (phosphorescence measurement mode) of water-soluble europium complexes in water and heavy water at various temperatures: (a) – complex 1 in water, (b) – complex 1 in heavy water, (c) – complex 2 in water, (d) – complex 2 in heavy water, (e) – complex 3 in water, (f) – complex 3 in heavy water.

Luminescence excitation spectra

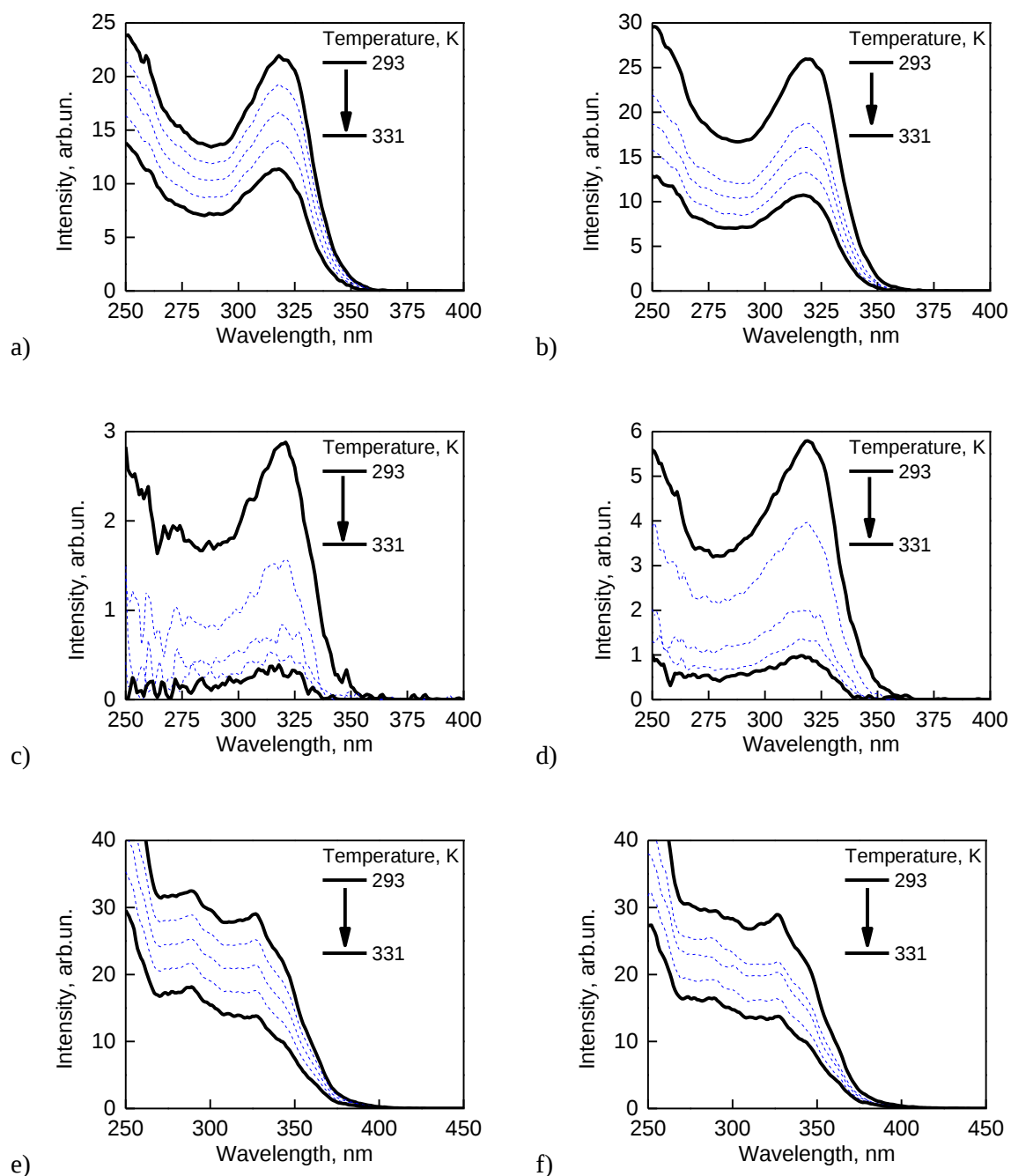


Figure S3. Luminescence excitation spectra (phosphorescence measurement mode) of water-soluble europium complexes in water and heavy water at various temperatures: (a) – complex 1 in water, (b) – complex 1 in heavy water, (c) – complex 2 in water, (d) – complex 2 in heavy water, (e) – complex 3 in water, (f) – complex 3 in heavy water.