

SUPPLEMENTARY INFORMATION FOR:

Substrate Dependent Native Luminescence From Cytochromes P450 3A4, 2C9 and P450cam

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Data Reduction for CYP3A4 Luminescence Spectrum

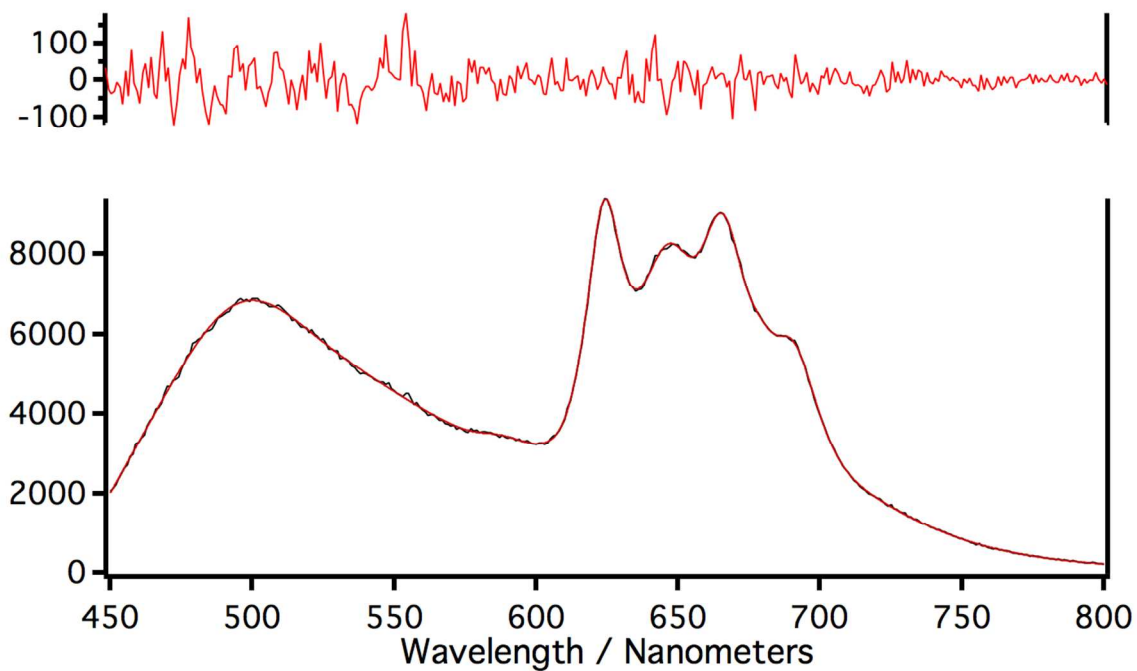


Figure S1. Smoothing of Luminescence data for CYP3A4. **Lower panel:** Solid black line is the luminescence spectrum after a background subtraction to remove the water Raman line and spectral irradiance correction (unsmoothed spectrum). The solid red line is after a Gaussian smoothing was applied (smoothed spectrum). **Upper panel:** Residual between the unsmoothed and smoothed spectra.

Data Reduction for CYP2C9 Luminescence Spectrum

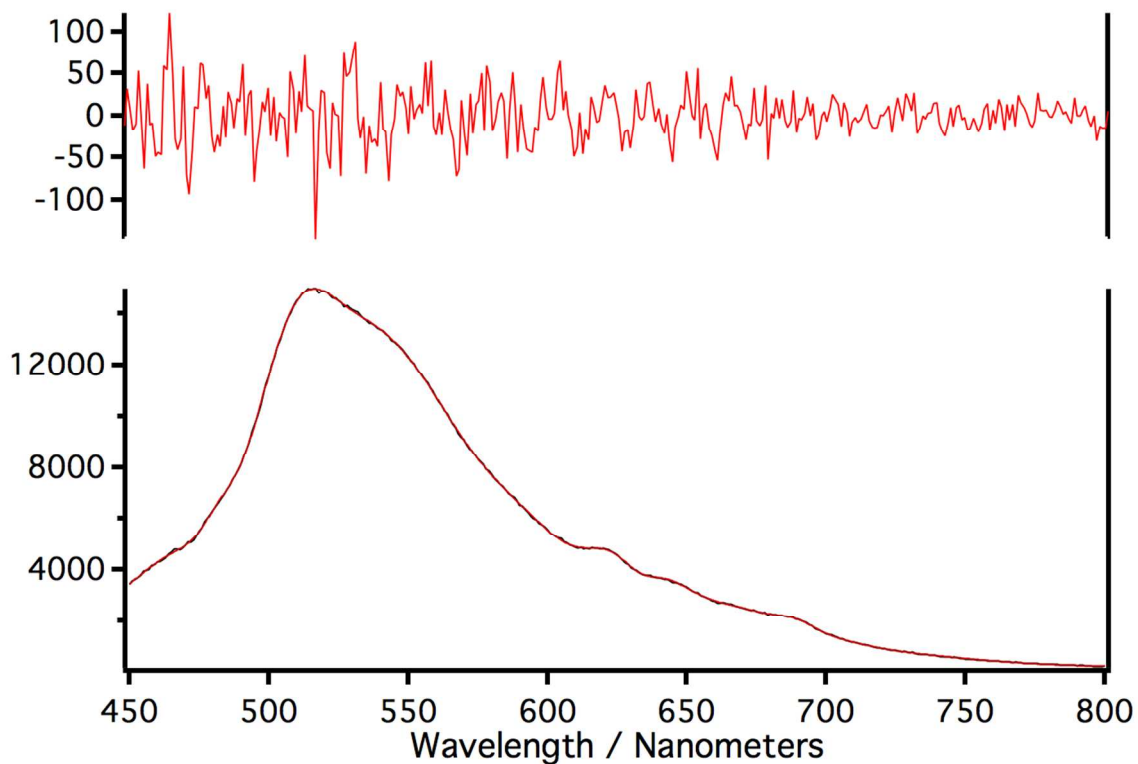


Figure S2. Smoothing of Luminescence data for CYP2C9. **Lower panel:** Solid black line is the luminescence spectrum after a background subtraction to remove the water Raman line and spectral irradiance correction (unsmoothed spectrum). The solid red line is after a Gaussian smoothing was applied (smoothed spectrum). **Upper panel:** Residual between the unsmoothed and smoothed spectra.

Luminescence Spectra at 400nm, 409nm, 418nm, 425nm, 432nm Excitation

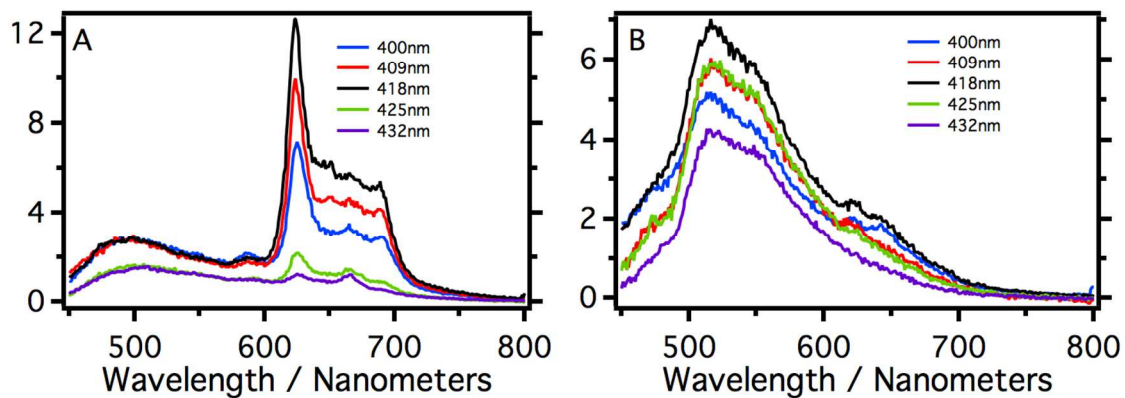


Figure S3. Luminescence spectra of CYP3A4 (A) and CYP2C9 (B) as a function of excitation wavelength. The experimental conditions are the same as the excitation spectra described in section 2.7. All spectra were spectral irradiance corrected.