

Supplementary Materials

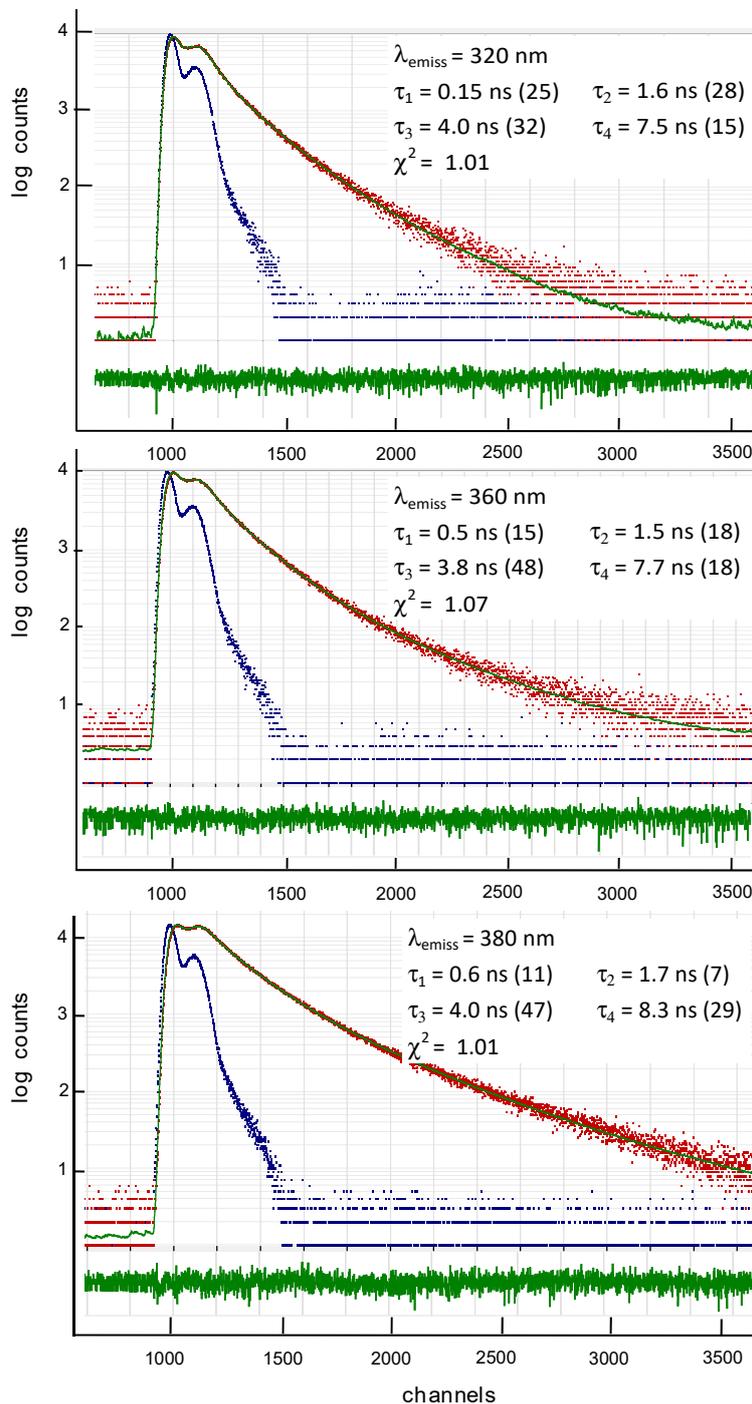


Figure S1. Examples of Lm PTR1 fluorescence decay fittings. The differences between the recalculated decay curves (green) and the experimental data (red dots), are shown in green at the bottom of each panel. The emission wavelengths, the lifetimes obtained, with the corresponding percentage abundances within brackets, and the χ^2 values are reported in the insets. The excitation pulses are shown as blue dots. $\lambda_{\text{exc}} = 295 \text{ nm}$. 1 channel = 27 ps.

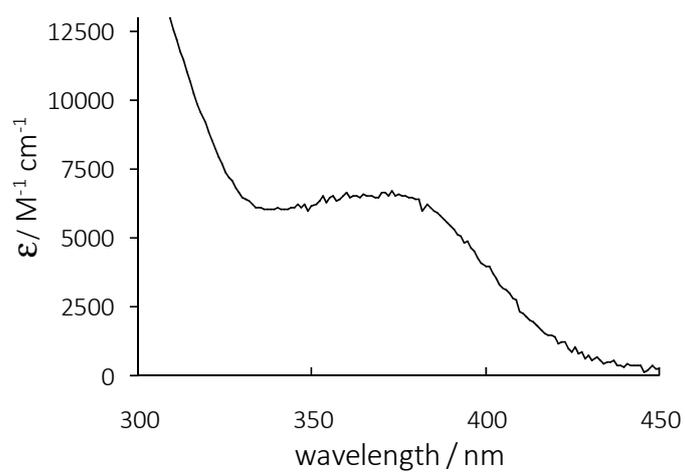


Figure S2. Absorption spectrum of compound C3 in phosphate buffer at pH 6.

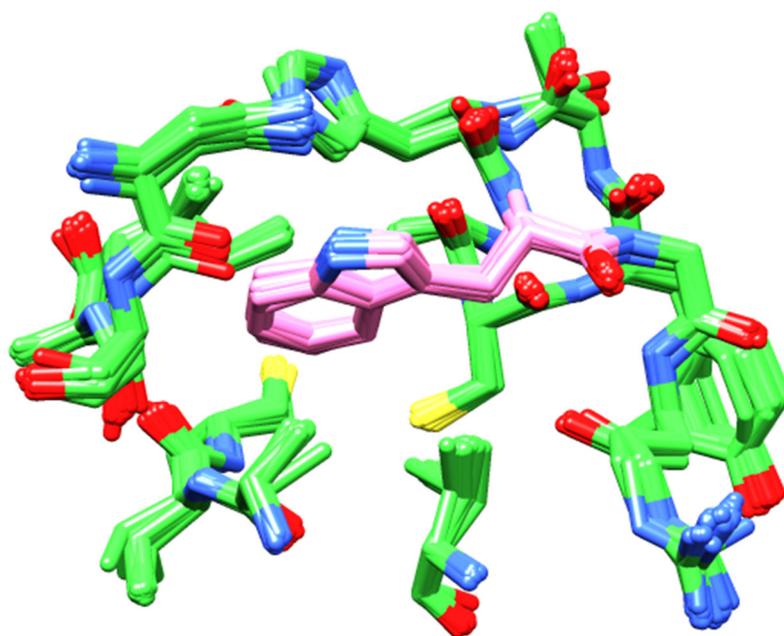


Figure S3. Conformational variability of Trp 100 and its environment in Lm PTR1 (PDB 1E92). Residues are shown as sticks. Color codes: C (green), N (Blue), O (red), S (yellow), Trp100 C atoms (pink).

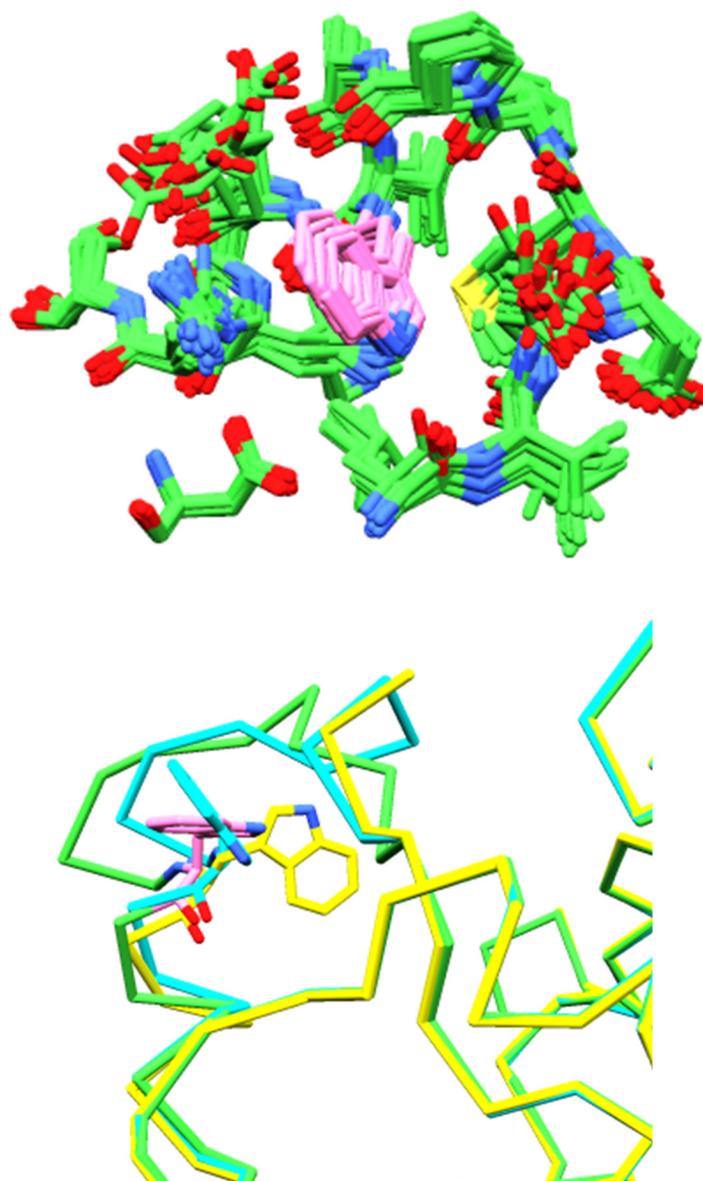


Figure S4. Conformational variability of Trp 238 and its domain in Lm PTR1. Top: Most common conformations (PDB 1E92). Colour codes: C (green), N (Blue), O (red), S (yellow), Trp 238 C atoms (pink). Bottom: The three most largely differing conformations of Trp 238. C atom colors: monomer A of PDB 1EW7, blue; monomer B of PDB 1EW7, yellow; monomer A of PDB 1E92, C_α atoms, green; Trp 238 C atoms (pink).