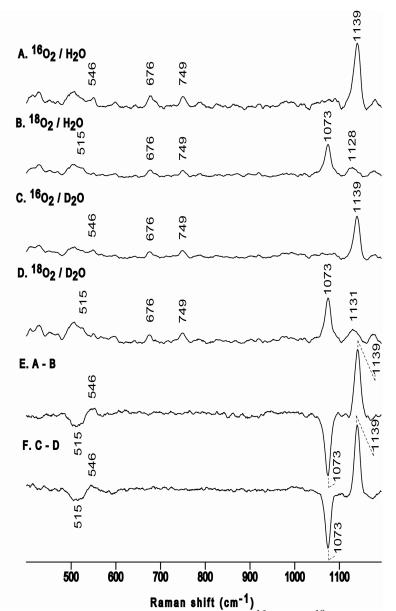
"Resonance Raman Detection of the Hydroperoxo Intermediate in the Cytochrome P450 Enzymatic Cycle"

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Raman shift (cm⁻¹) Figure S1: Resonance Raman spectra of ${}^{16}O_2$ and ${}^{18}O_2$ adducts of P450cam in H₂O and ${}^{2}H_2O$ buffer, before irradiation (30 % glycerol, 413 nm excitation line, 77 K).

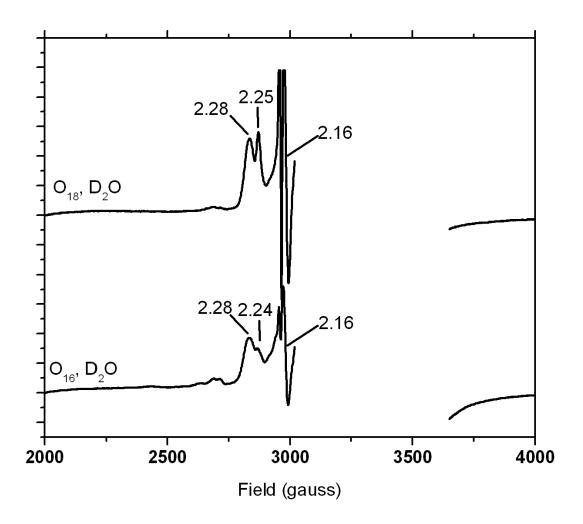


Figure S2: EPR spectra of irradiated oxyCYP101.

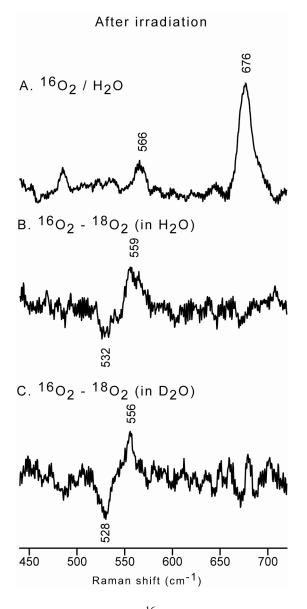


Figure S3: Low Frequency RR spectrum of ${}^{16}O_2$ CYP101 in 30% glycerol/buffer after irradiation (A); ${}^{16}O_2$ - ${}^{18}O_2$ in glycerol/buffer (B); ${}^{16}O_2$ - ${}^{18}O_2$ in deuterated glycerol/buffer (C).