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Supporting information for article:

Probing the structural basis of oxygen binding in a cofactor-independent dioxygenase

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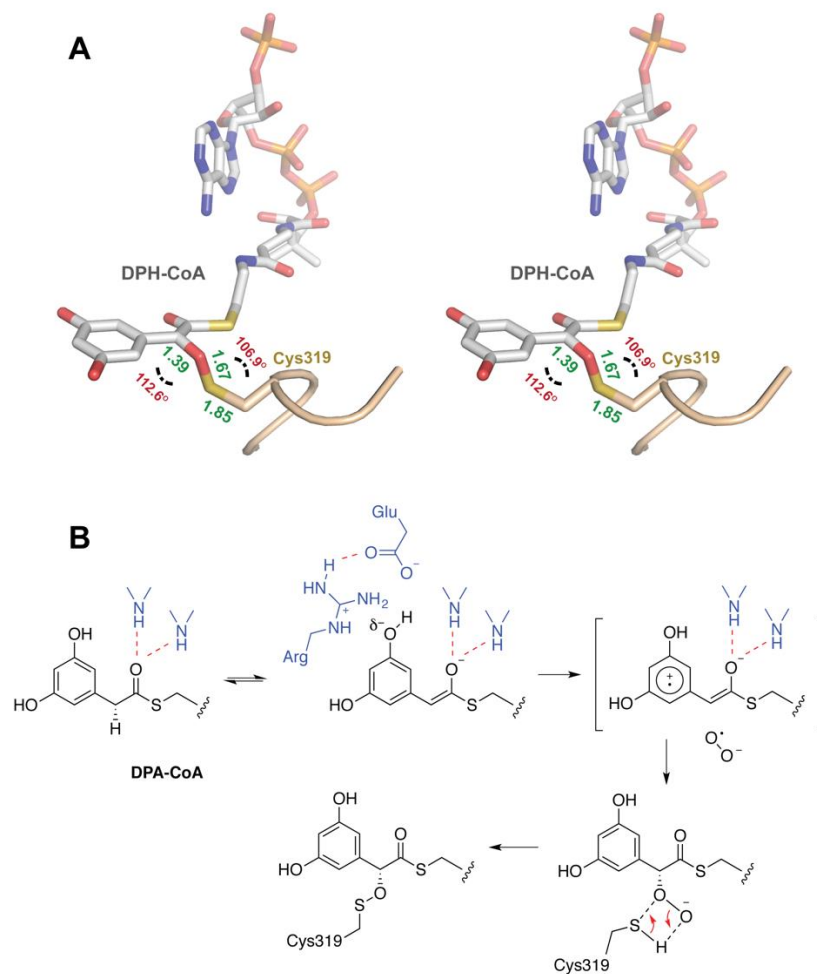


Figure S1 (A) Stereo view of proposed trapped DpgC-C319/DPA-CoA sulfenic ether intermediate illustrating bond lengths and angles. (B) A proposed mechanism for formation of contiguous, bound intermediate. A peroxide intermediate is along the reaction pathway and can be trapped in a concerted mechanism (as shown) or a S_N2 -type mechanism of a protonated peroxide.