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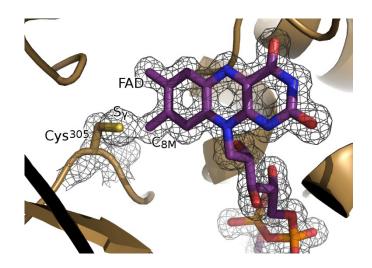


Figure S7. FAD (*purple* sticks) and CDH (*gold* cartoon) form an unusually short intermolecular contact. The S_{γ} atom of Cys^{305} (*gold sticks*) is situated only 1.84 Å from the C_{8M} atom of FAD. Electron density at 2.0 σ (*black mesh*) bridges this gap, indicating a degree of shared electrons. The complexed form is shown; the intermolecular distance was identical in the non-complexed form.