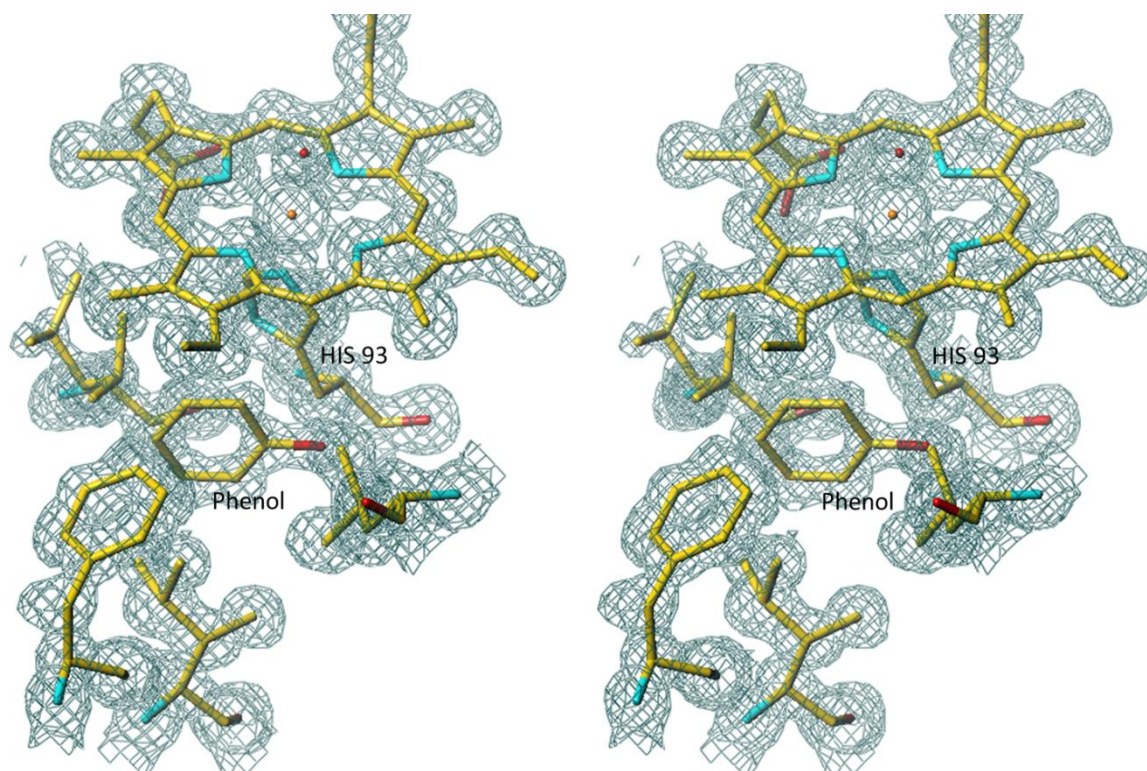
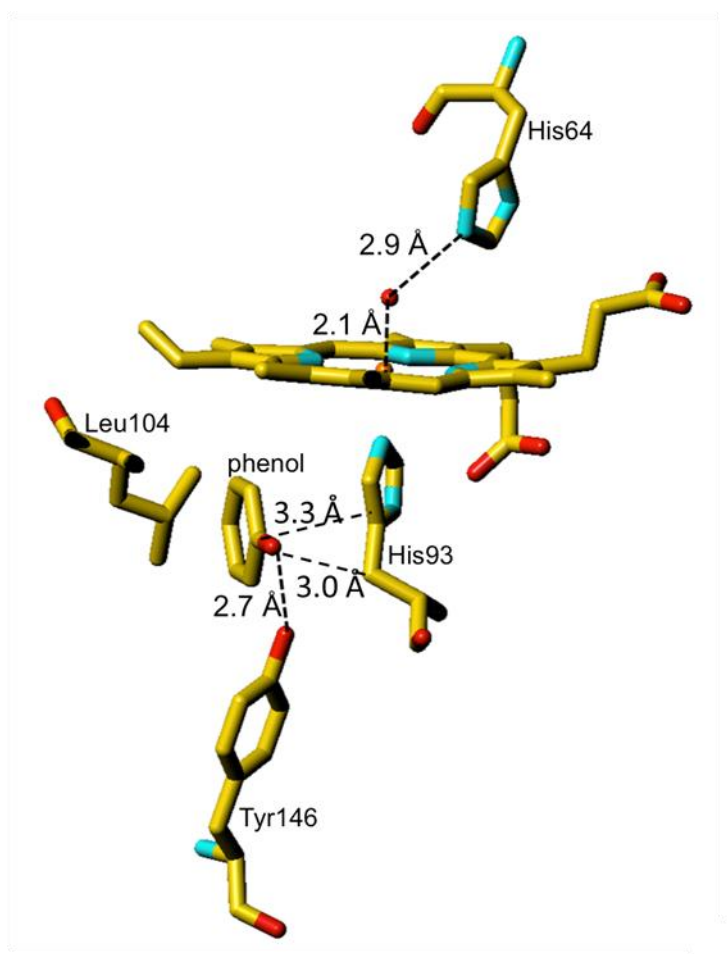


Supplementary Material



Supplementary Figure 1. Stereoview of the phenol binding site in the G65T-phenol complex. $2F_o - F_c$ electron density is contoured at a 1.0σ level.



Supplementary Figure 2. Structure of the Mb-phenol complex. The phenol hydroxyl hydrogen bonds with the hydroxyl of Tyr146 and forms contacts with the proximal histidine.