

Figure S6. Substrate-binding cavity mutation S35P. (A) The position of ubiquinone, the natural substrate, is shown in orange within the Q_i site of MT-CYB (blue ribbon) in relation to the heme (green) to the wild-type residue S35. (B) The consequence of the mutation P35 is depicted in red, showing the likely region of helix disorder caused by the inflexible nature of the proline side-chain. The same area is illustrated as a solvent accessible surface model with the position of S35 shown in dark blue (C) and the area of disruption caused by P35 shown in red (D).

