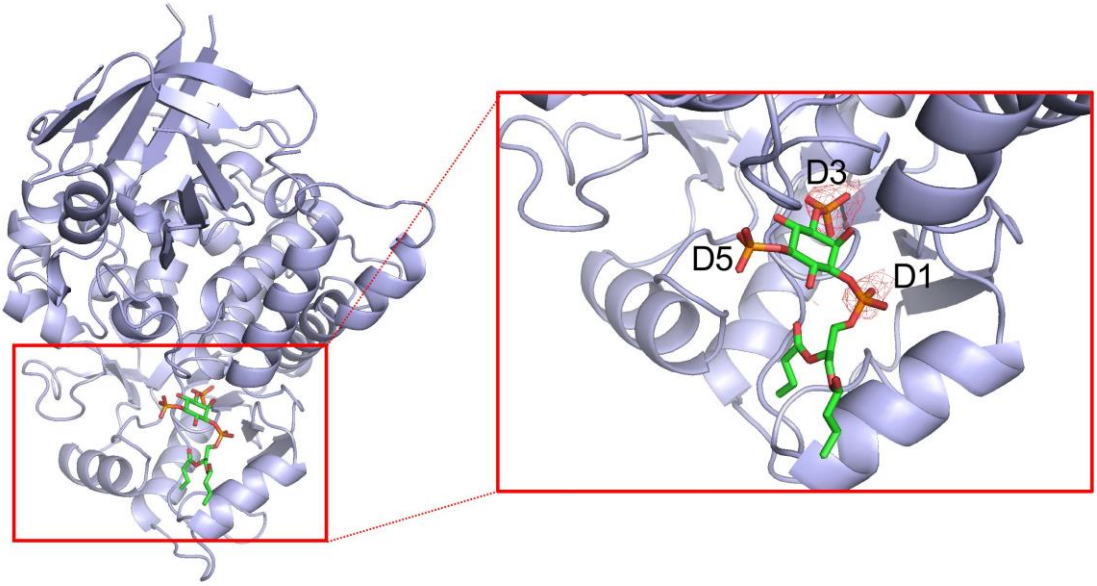**S3 Figure.** Modeled structure of PI(3,5)$P_2$-bound MTMR1. The structure of MTMR2 in complex with PI(3,5)$P_2$ (PDB code, 1ZVR) was used for modeling. The electron density map of two phosphates in MTMR1 is shown.