

**Table S4. RMSD (Å) between C $\alpha$  atoms of subunits of WT *TaTT* and its variants.**

<i>TaTT</i>	WT	mP3	mP3O3
WT (PDB ID 6GKR)	-	0.267	0.286
mP3 (PDB ID 7NEA)	0.267	-	0.190
mP3O3 (PDB ID 7NEB)	0.286	0.190	-