

Supplementary Figure 1. Non-covalent binding of oligonucleotide substrate by wild-type and mutant ETOP enzymes. Gel shift assay was used to compare the fraction of 5'-end labeled oligonucleotide substrate bound by wild-type ETOP (x), ETOP-G116S (■) and ETOP-116S/M320V (○) enzymes in the absence of MgCl₂. After electrophoresis in a non-denaturing acrylamide gel, the radioactive signals of the unbound oligonucleotide DNA substrate and shifted band of the protein-DNA complex were quantitated by PhosphorImager analysis.

