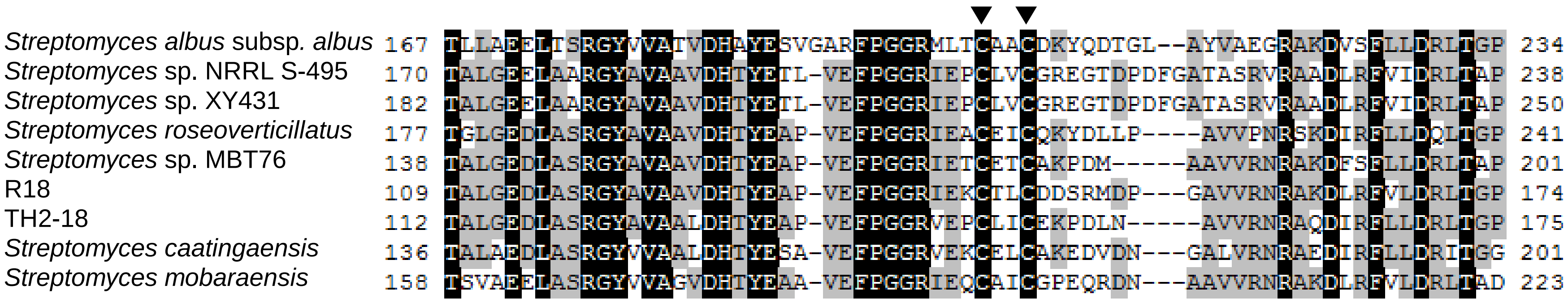

Fig. S1

Conservation of CXXC motif between R18 and its homologous genes. Alignment showing the loop sequence, Cys-143, and Cys-146 on R18. Arrows represent cysteine residues in the CXXC motif.

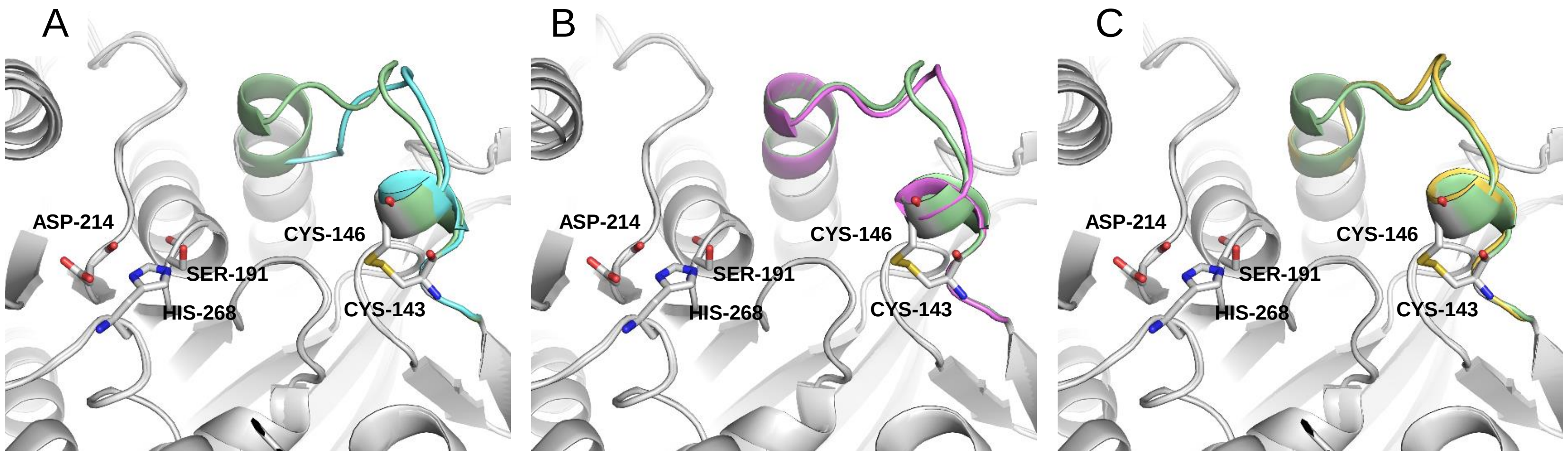

Fig.S2

Comparison of the loop structures of rR18, rTH2-18, rTH2-18PG, and rR18ΔPG. Close-up view of the loop structures of rR18 (green) and rTH2-18 (cyan) (A), rR18 and rTH2-18PG (magenta) (B), and rR18 and rR18ΔPG (yellow) (C). The catalytic triad, Cys-143, and Cys-146 on rR18 are represented as sticks with the oxygen atom in red, the nitrogen atom in blue, sulfur atoms in yellow, and carbon atoms in white.