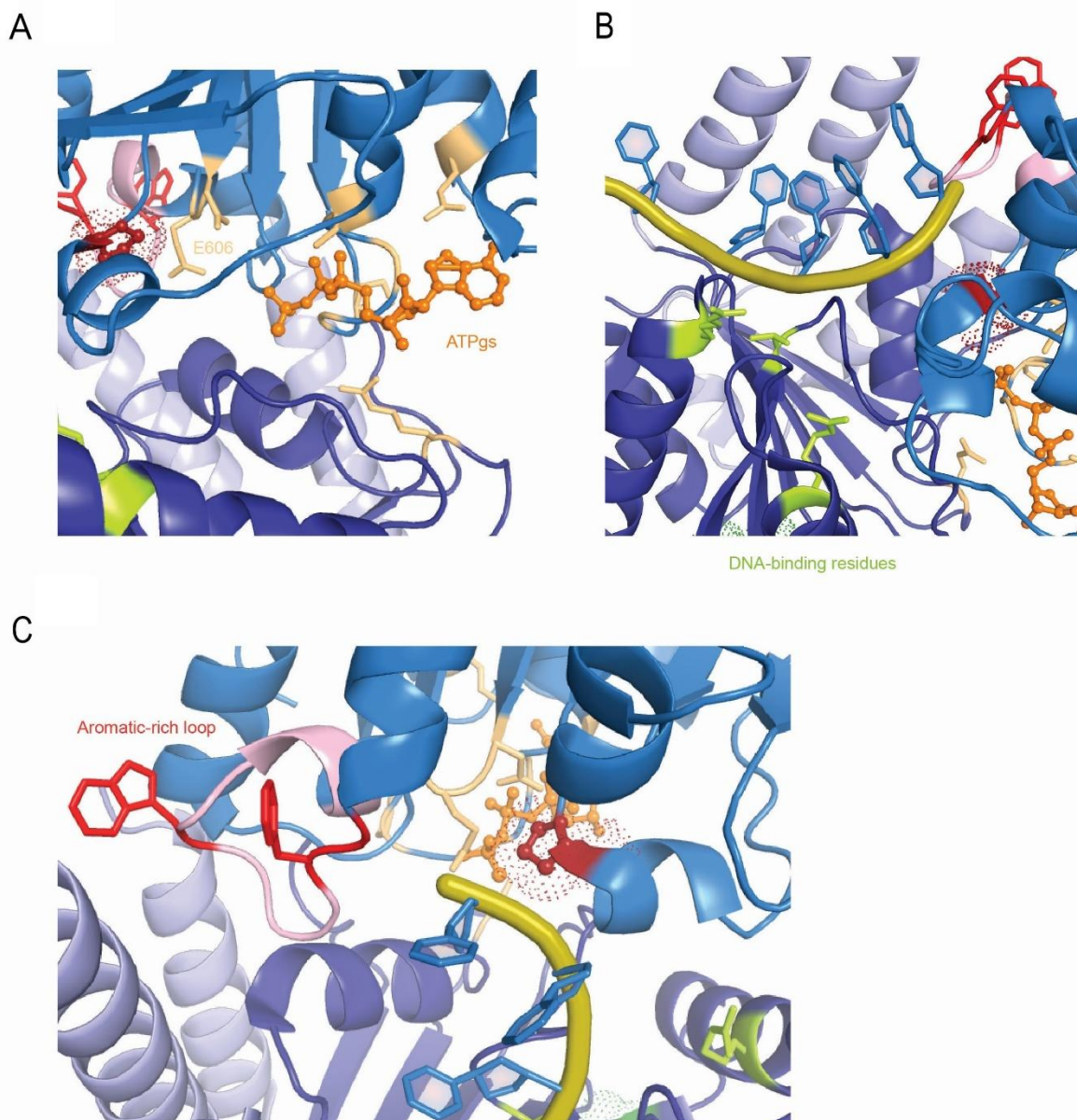




Supplementary figure S1. Modelling RECQL4 and DNA interactions. A. The modelled ATP molecule in RECQL4 is expected to accurately represent the native binding site of nucleoside triphosphates. The position of the DNA in the RECQL4₄₂₇₋₁₁₁₆ structures is marked. B. Many conserved residues, that are involved in single stranded DNA binding, fall proximal to the modelled DNA. C. Residues within the aromatic-rich loop (ARL) are proximal to the 3' end of the ssDNA.