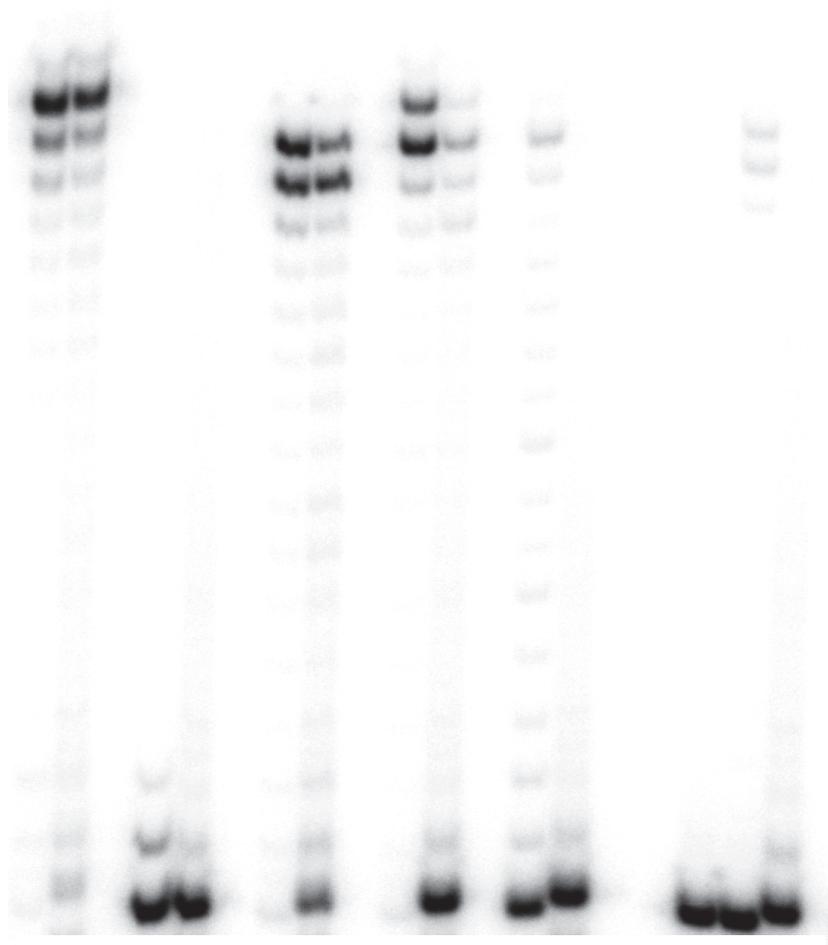


SUPPLEMENTARY INFORMATION

Structural basis for polymerase η -promoted resistance to the anticancer nucleoside analog cytarabine

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Supplementary Figures 1 and 2



Lane no: 2 3

1

Supplementary Figure 1

Supplementary Figure 1. The original gel related to Fig. 2A.

Extension of ^{32}P 5'-end-labeled 23-nt primer with the unmodified C or AraC residues at the 3'-end bound to the 5'-...CCTAAGA...-3' 39-nt template in the presence of dATP, dGTP, and dTTP. Lane 1, unmodified DNA substrate; Lane 2, extension from the unmodified C; Lane 3, extension from AraC. To produce Fig. 2A, lane 1 and lanes 2 and 3 were cropped from different parts of the gel and aligned together. Thus, in Fig. 2A, lane 1 is separated from lanes 2 and 3 with white space. All extension reactions were conducted at 37°C for 10 min.



Lane no: 1 2 3

Supplementary Figure 2

Supplementary Figure 2. The original gel related to Fig. 2B.

Extension with the 5'-...GGGGGA...-3' 39-nt template. Lane 1, unmodified DNA substrate; Lane 2, extension from the unmodified C in the presence of dATP, dGTP, dTTP and dCTP; Lane 3, extension from the AraC in the presence of dATP, dGTP, dTTP and AraCTP. All extension reactions were conducted at 37°C for 10 min.