SUPPLEMENTARY MATERIALS FOR

Recognition of a clickable abasic site analog by DNA polymerases and DNA repair enzymes

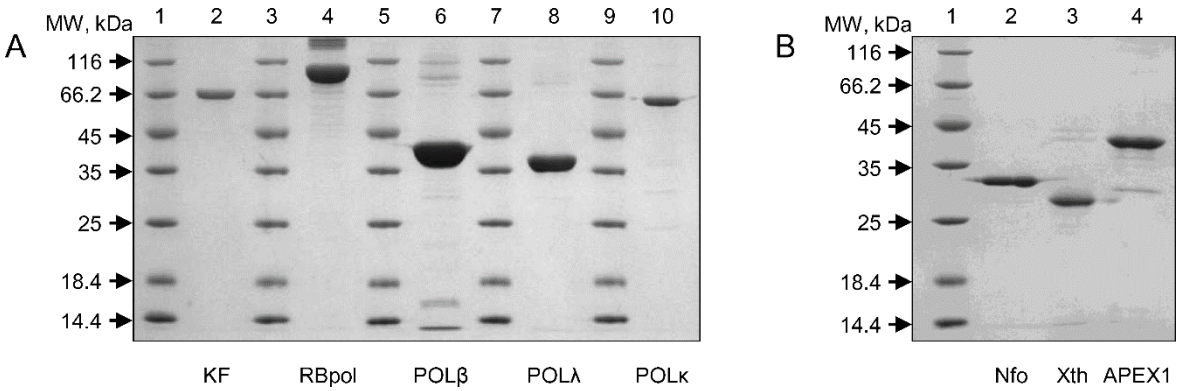
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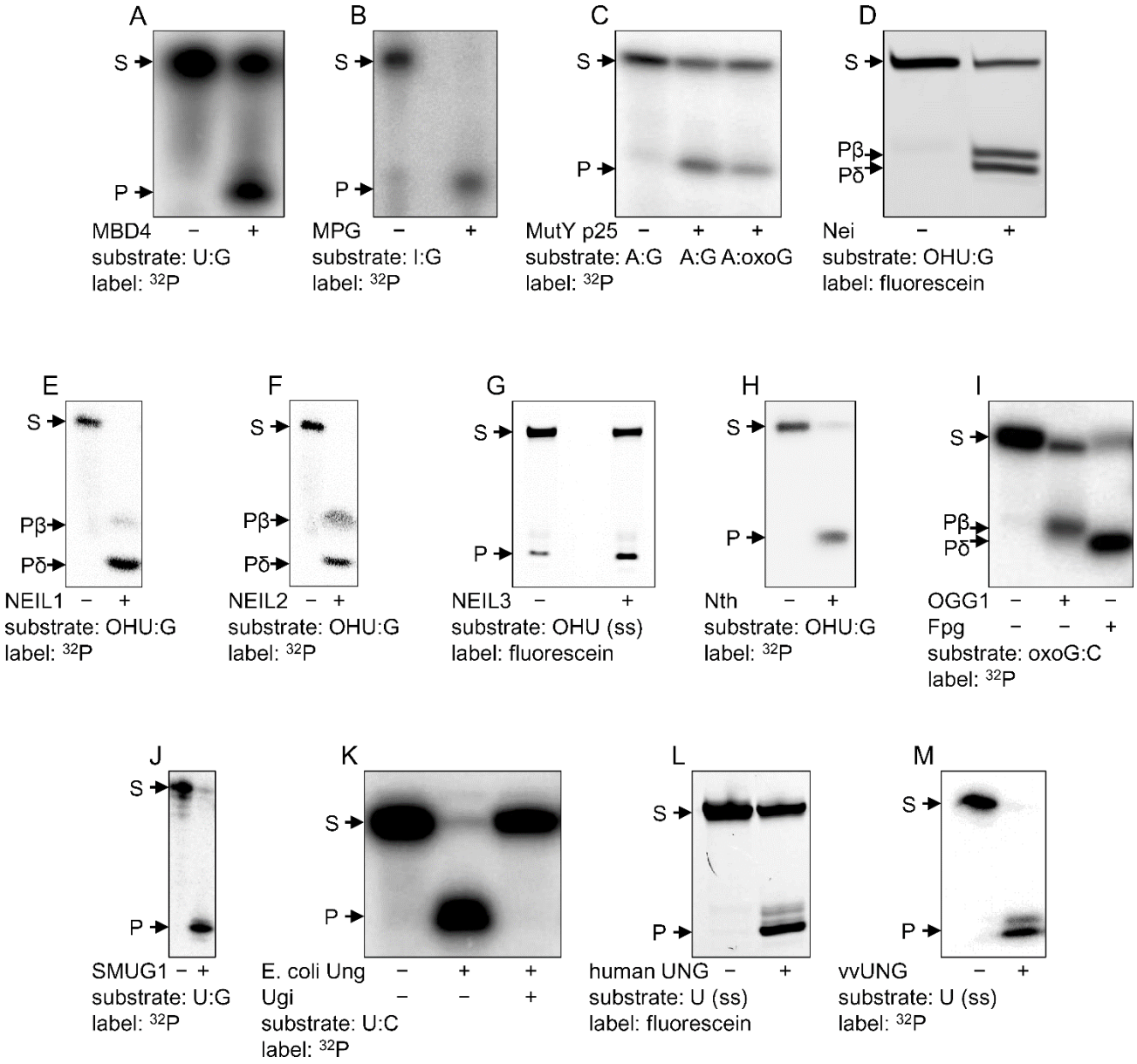
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Supplementary Figure S1. Coomassie Blue-stained gels after 12% SDS-PAGE of the enzyme preparations used in this study. *Panel A*, DNA polymerases. Lanes: *1*, *3*, *5*, *7*, *9*: molecular weight markers (Pierce™ Unstained Protein MW Marker, Thermo Fisher Scientific, Waltham, MA, USA); *2*, KF; *4*, RBpol; *6*, POLβ; *8*, POLλ; *10*, POLκ. *Panel B*, AP endonucleases. Lanes: *1*, molecular weight markers; *2*, Nfo; *3*, Xth; *4*, APEX1.



Supplementary Figure S2. Activity of the studied DNA glycosylases on their preferred base-containing substrates. The enzymes and the substrates are indicated in the panels. Arrows indicate: S, substrate; P, product. In *panels D, E, F,* and *I,* arrows Pβ and Pδ indicate products of β-elimination and δ-elimination, respectively. In *panel K,* the reaction was also carried out in the presence of 0.1 U/μl uracil–DNA gycosylase inhibitor (Ugi) from *Bacillus subtilis* bacteriophage PBS1 (New England Biolabs, Ipswich, MA, USA).