



Figure S1. DNA ends generated after AP site cleavage by AP endonucleases and AP lyases. Cleavage by AP endonucleases takes place at the 5' side of the AP site and yields a 3'-OH end and a 5'-deoxyribose-5-phosphate (5'-dRP) terminus. By contrast AP lyases cleave 3' to the AP site through a β -elimination mechanism, leaving a 5'-phosphate end and a 3'- α,β -unsaturated aldehyde; in some cases, they additionally perform a δ -elimination event that generates a 3'-phosphate end [Adapted from: Boiteux, S. and Guillet, M. (2004) Abasic sites in DNA: repair and biological consequences in *Saccharomyces cerevisiae*. *DNA Repair (Amst)*, 3, 1-12.]