

Supporting Information: In Vitro Effects of a C4'-Oxidized Abasic Site on DNA Polymerases

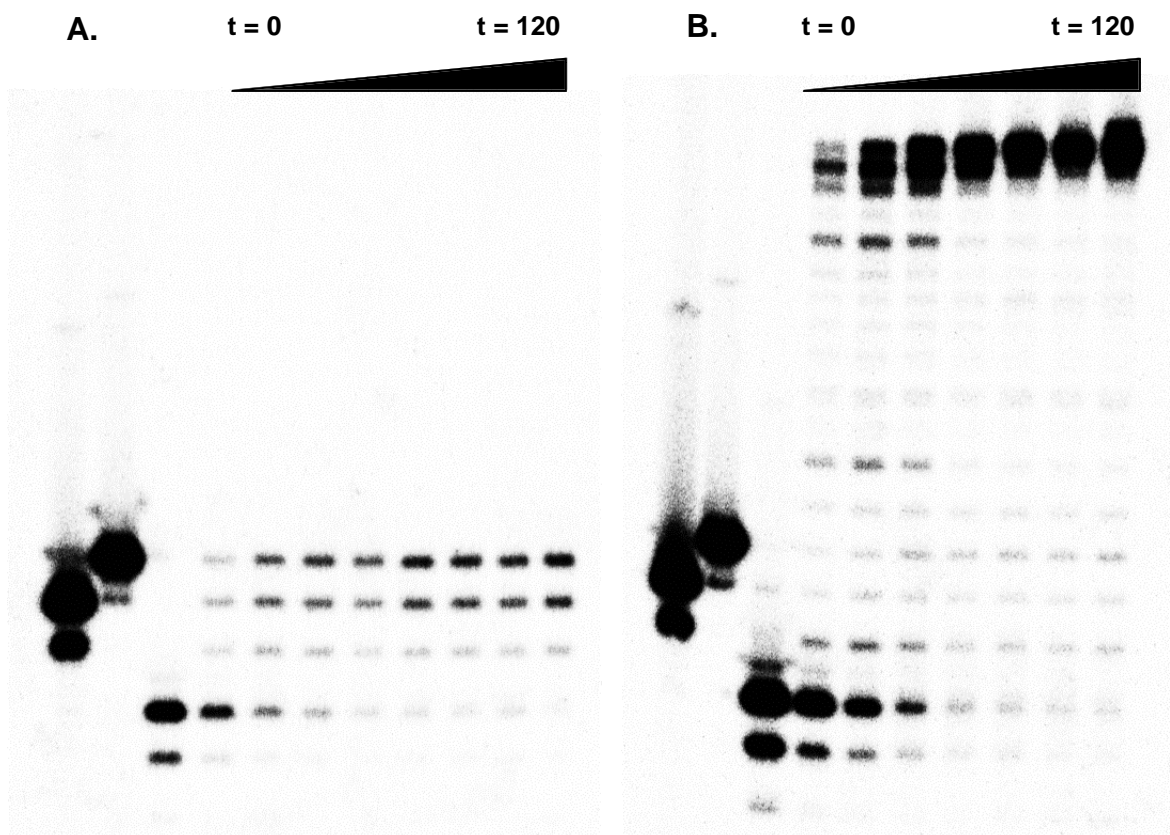
Marc M. Greenberg^{*1}, Yvonne N. Weledji¹, Kelly M. Kroeger¹, Jaeseung Kim¹, and Myron F. Goodman²

¹Department of Chemistry, Johns Hopkins University, 3400 N. Charles St., Baltimore, MD 21218;

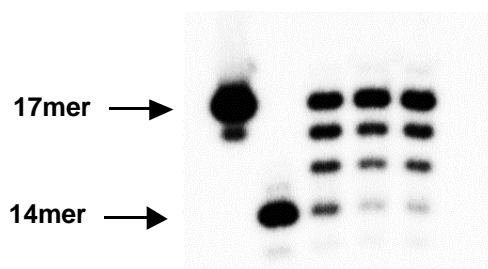
²Department of Biological Sciences, Molecular Biology Section, University of Southern California, Los Angeles, CA 90089

Contents:

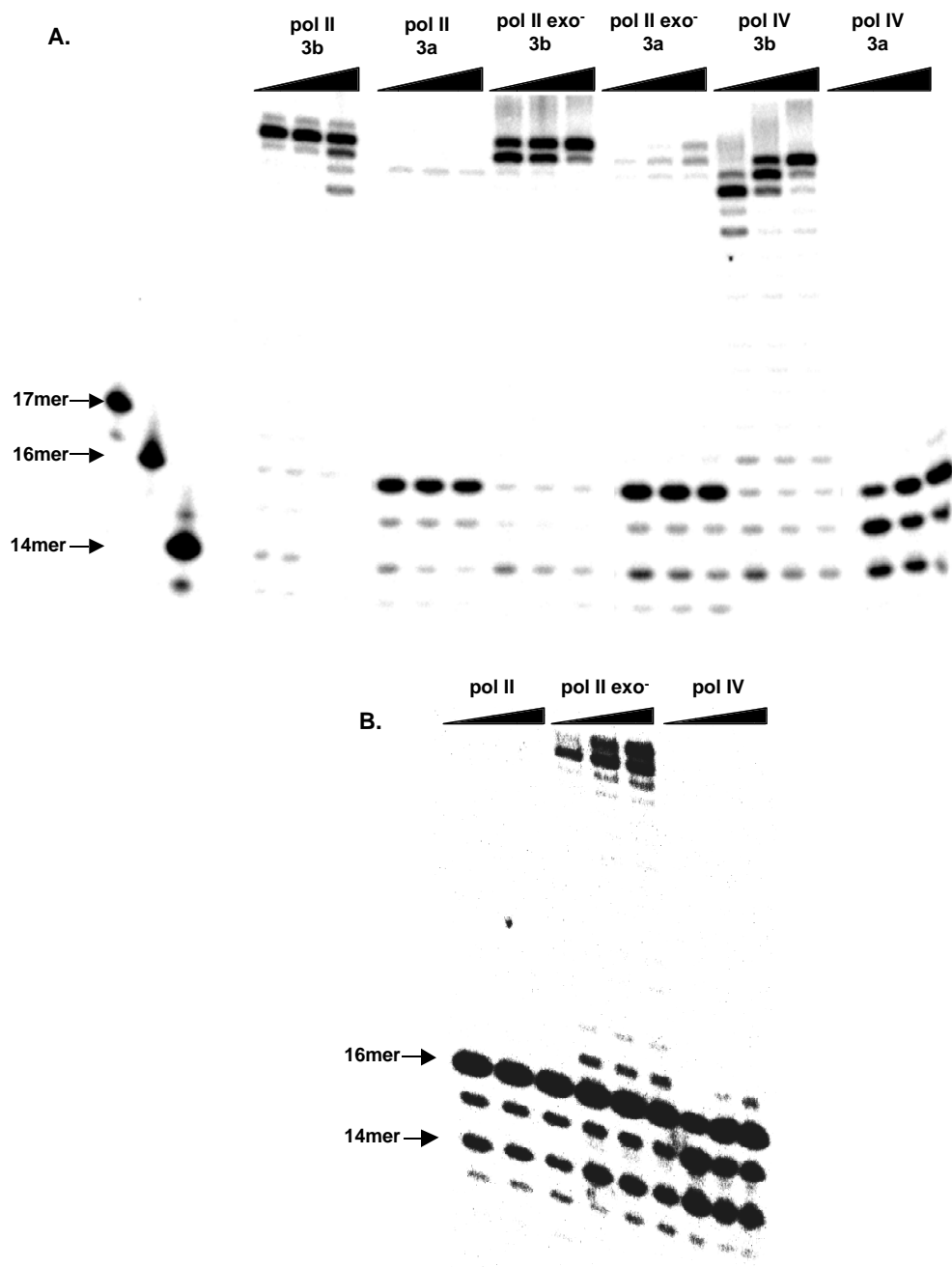
1. Supporting Information Figure 1. Klenow exo^+ (10 nM) mediated extension of **3a,b** (75 nM) in the presence of native dNTP's (0.1 mM each). A) **3a** B) **3b**.
2. Supporting Information Figure 2. Klenow exo^- (1, 5, 10 nM) mediated extension of **3a** (75 nM) in the presence of native dNTP's (0.1 mM each). Reaction time: 1 h.
3. Supporting Information Figure 3. Bypass polymerase extension of **3a-c** by pol II (100, 200, 500 nM), pol II exo^- (100, 200, 500 nM), and pol IV (100, 200, 500 nM). A) **3a**, **3b** (2 nM) B) **3c** (2 nM).
4. Supporting Information Figure 4. Pol V (250 nM), Rec A (250 nM) extension of **3a-c** (10 nM).



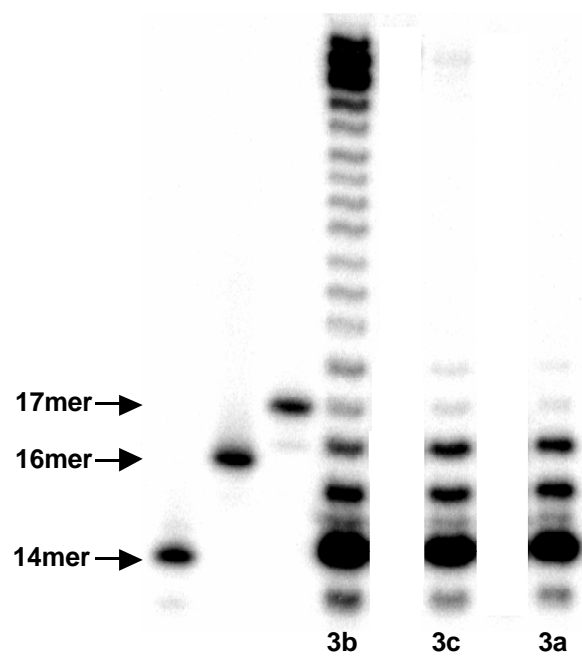
Supporting Information Figure 1. Klenow exo^+ (10 nM) mediated extension of **3a,b** (75 nM) in the presence of native dNTP's (0.1 mM each). A) **3a** B) **3b**.



Supporting Information Figure 2. Klenow exo^- (1, 5, 10 nM) mediated extension of **3a** (75 nM) in the presence of native dNTP's (0.1 mM each). $t = 1$ h.



Supporting Information Figure 3. Bypass polymerase extension of **3a-c** by pol II (100, 200, 500 nM), pol II exo⁻ (100, 200, 500 nM), and pol IV (100, 200, 500 nM). A) **3a, 3b** (2 nM) B) **3c** (2 nM).



Supporting Information Figure 4. Pol V (250 nM), Rec A (250 nM) extension of **3a-c** (10 nM).