Polymerase Bypass of N7-Guanine Monoadducts of Cisplatin, Diepoxybutane, and Epichlorohydrin
Supplementary Material

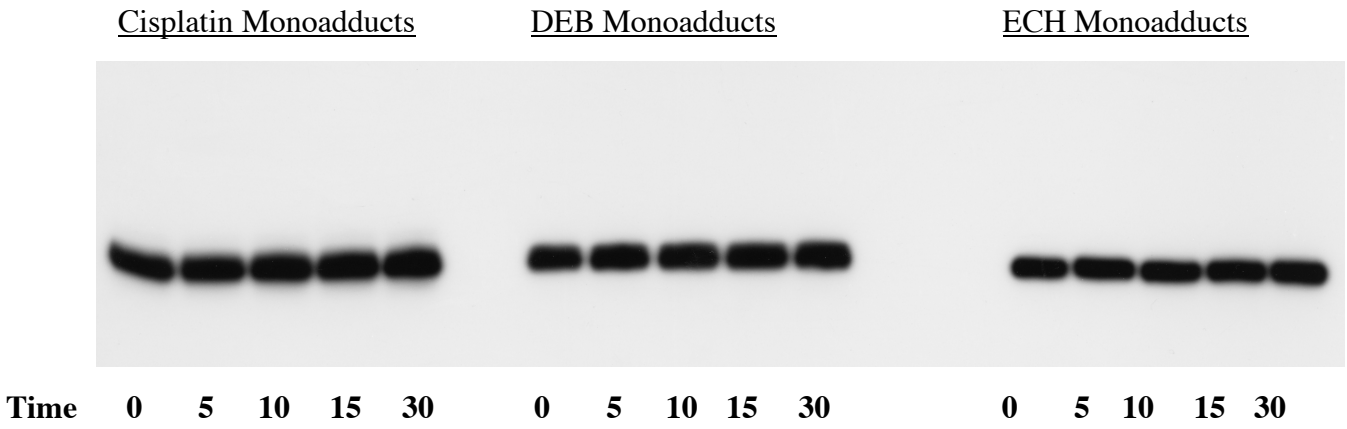

Figure S1. Stability of purified monoadducts. Monoadducts were gel-purified, dissolved in TE buffer, and incubated at 50°C. Aliquots were removed at the indicated time points (minutes).

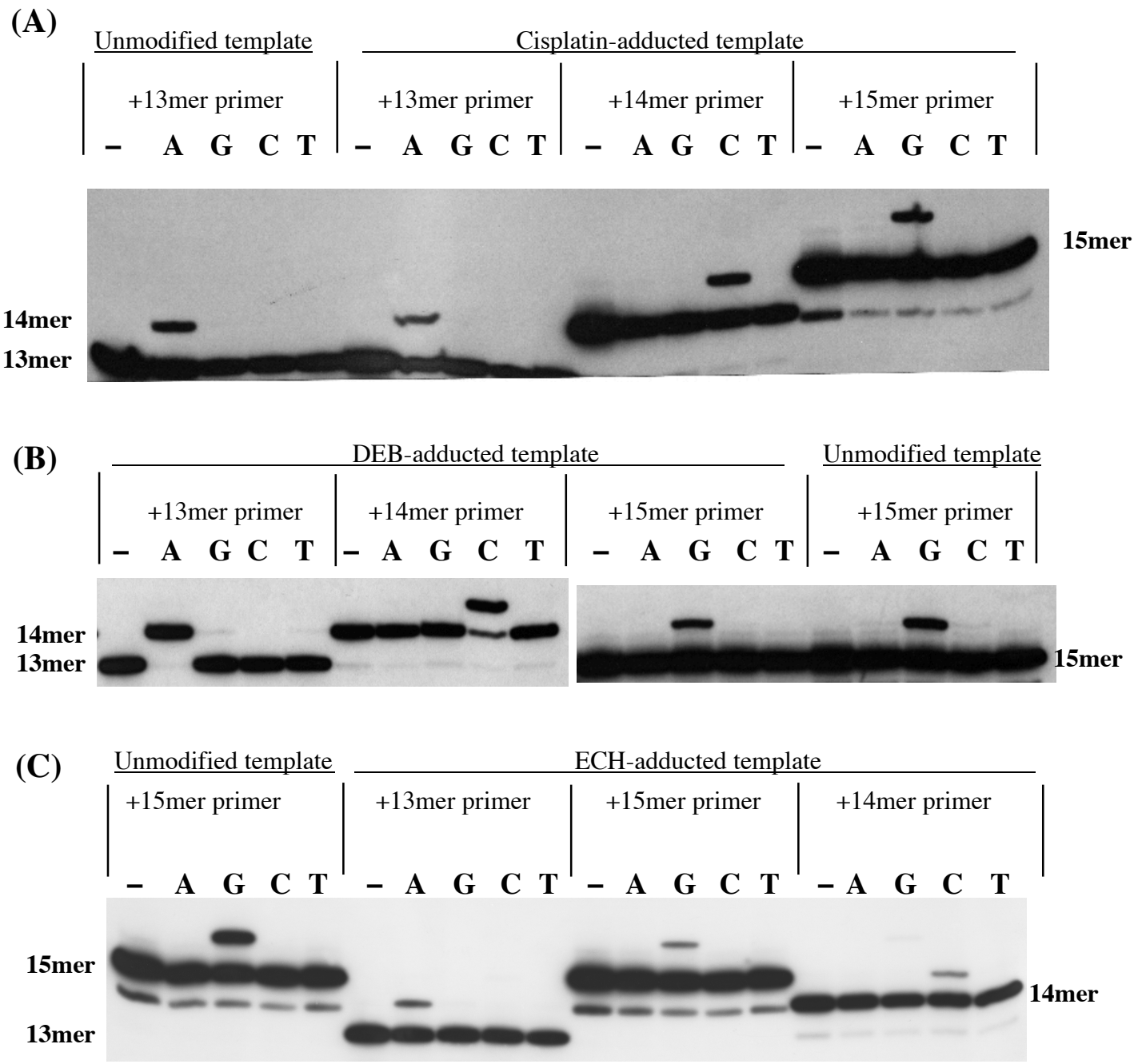

Figure S2. Single nucleotide addition with BF. Strand 1, either unmodified or monoadducted, was first annealed with primer. The first lane in each set is the no-dNTP control. The 13mer primer reveals nucleotide addition one nucleotide before the adduct (across from T); the 14mer reflects addition across from the adduct (at G), and the 15mer reflects addition one nucleotide after the adduct (across from C). (A) Cisplatin-adducted template; (B) DEB-adducted template; (C) ECH-adducted template.

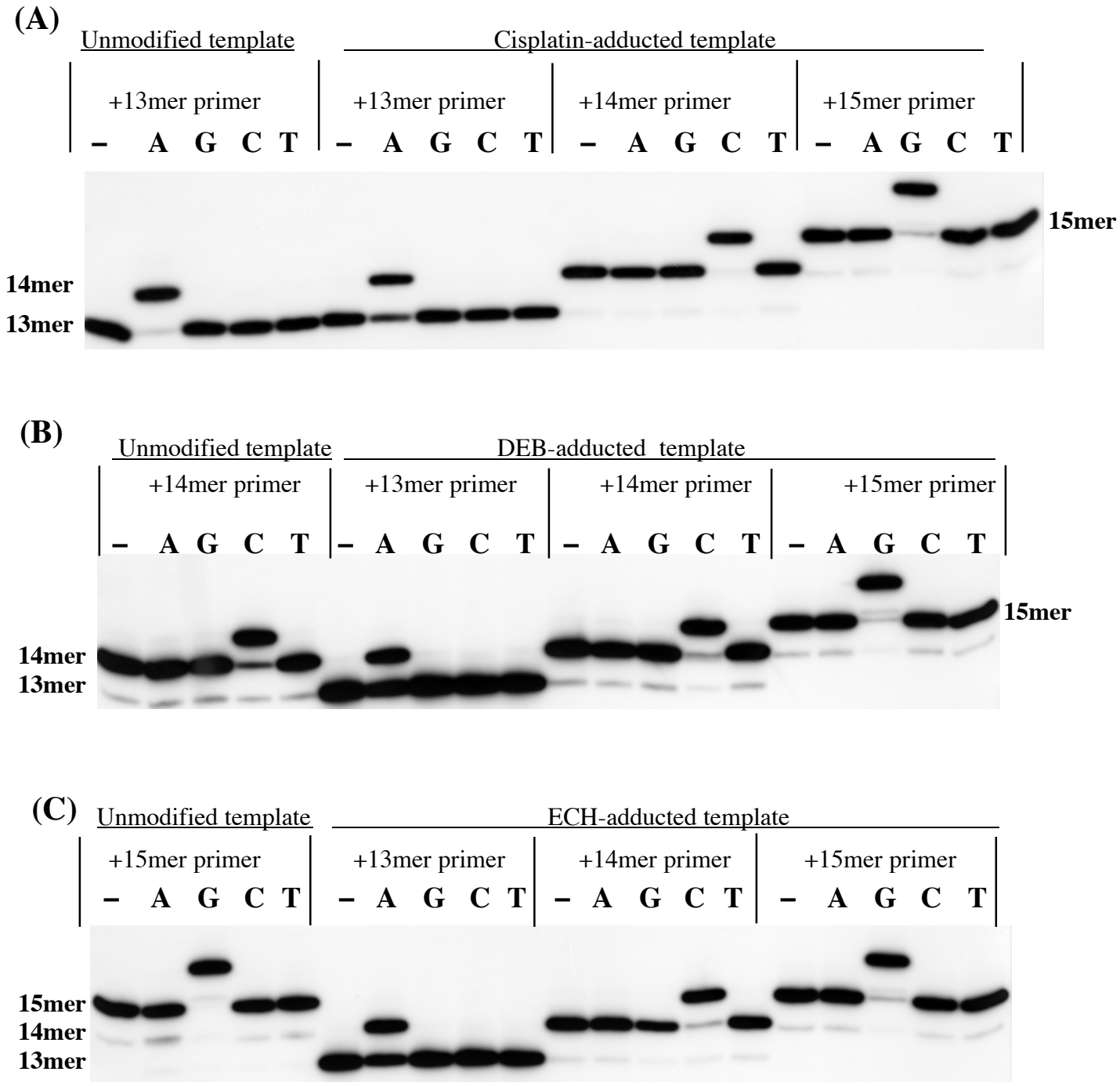

Figure S3. Single nucleotide addition with hPol β. Strand 1, either unmodified or monoadducted, was first annealed with primer. The first lane in each set is the no-dNTP control. The 13mer primer reveals nucleotide addition one nucleotide before the adduct (across from T); the 14mer reflects addition across from the adduct (at G), and the 15mer reflects addition one nucleotide after the adduct (across from C). (A) Cisplatin-adducted template; (B) DEB-adducted template; (C) ECH-adducted template.