Molecular basis of transcriptional mutagenesis at 8-oxoguanine

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Supplementary Figures

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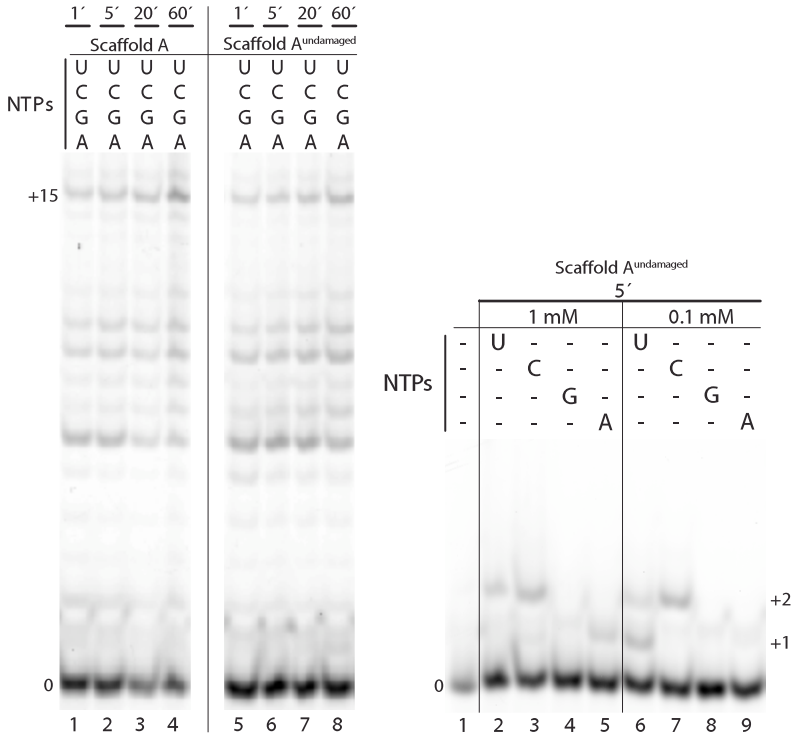

Figure S1. RNA extensions assays
The lanes show the fluorescently labeled RNA. The scaffolds were incubated with Pol II and indicated NTPs for the time that is indicated above. On the left, 1 mM NTP mix was used to elongate scaffold A with an 8-oxoguanine or with a normal guanine (Scaffold $A^{undamaged}$). On the right, single NTPs were added to undamaged scaffold A, different concentrations where used, as indicated.

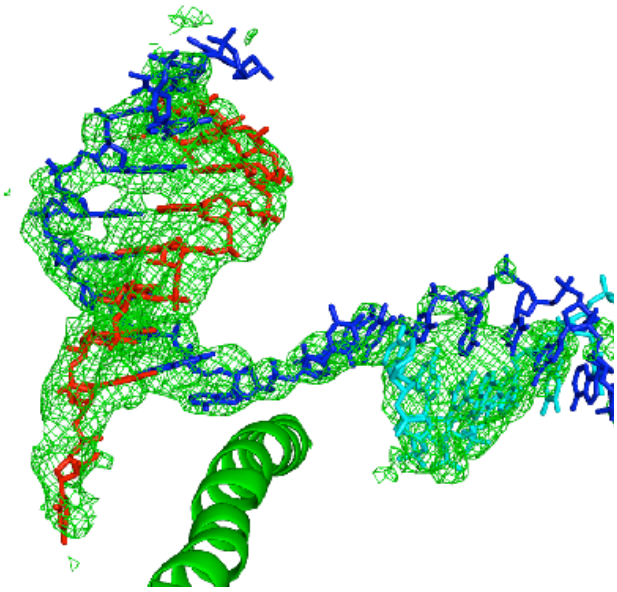

Figure S2. Control structure of an undamaged Pol II elongation complex.
The density map of undamaged Pol II elongation complex D (scaffold $D^{undamaged}$). The difference F_o-F_c density map of the nucleic acids is shown (green, contoured at 3.0σ). The model of complex D is shown. The frayed RNA which was found in the structure of complex D, can also be seen for the undamaged structure.