

Supplemental Movie S1, related to Figure 4. Example time-lapse video of TDG-Halo molecules using single-particle imaging. TDG-Halo U2OS cells were co-transfected with SNAP-XPC and methylated (M.SssI-treated) plasmid DNA 24 hours prior to imaging. TDG-Halo molecules (green) were stochastically activated by sparse illumination using 405 nm light. SNAP-XPC signal (magenta) is superimposed on the video in order to delineate the nuclear boundary. Only TDG-Halo molecules within the nucleus are used in our calculations. Running time and scale bars are stamped on the video. Exposure time, 500 ms.