

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: Representative movie showing single molecule FRET imaging of Cy3-PFV intasome interaction with a Cy5-duplex (G/C) DNA at 100 msec frame rate. Cy3 emission (left); Cy5 emission (right).

File Name: Supplementary Movie 2

Description: Representative movie showing single molecule FRET imaging of Cy3-PFV intasome interaction with a Cy5-1nt (5'-P) gap DNA at 100 msec frame rate. Cy3 emission (left); Cy5 emission (right).