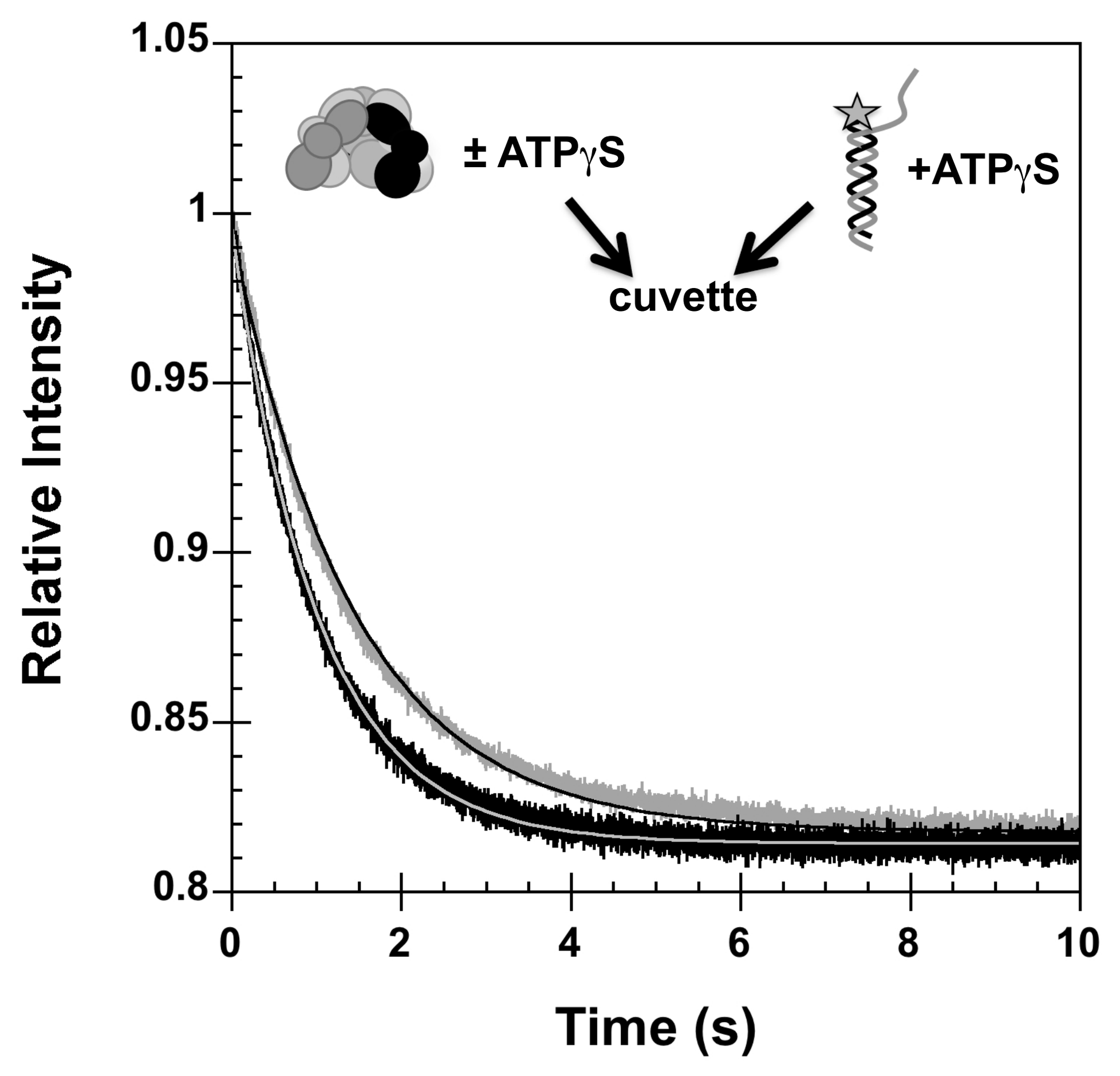
Supplementary Fig. 1 – Effect of ATPγS preincubation on the rate of γ complex binding p/t-DNA-DCC. The change in DCC fluorescence due to γ complex binding DNA was measured as a function of time. In one assay (*black trace*), a solution of γ complex and ATPγS was added to a solution of p/t-DNA-DCC and ATPγS. In the second (*gray trace*), a solution of γ complex that did not contain ATPγS was added to a solution of p/t-DNA-DCC and ATPγS. The relative intensity of DCC is plotted as a function of time on a scale of 2 s. Final concentrations were 200 nM p/t-DNA-DCC and γ complex, and 0.5 mM ATPγS in assay buffer with 4% glycerol. Observed rate constants calculated from exponential fits were 1 s^{-1} (*gray curve on black trace*) for the ATPγS-preincubated reaction and 0.7 s^{-1} (*black curve on gray trace*) for the reaction in which the γ complex was not preincubated with ATPγS.


1.05
1
0.95
0.9
0.85
0.8
Relative Intensity
0
2
4
6
8
10
Time (s)
± ATPγS
+ATPγS
cuvette