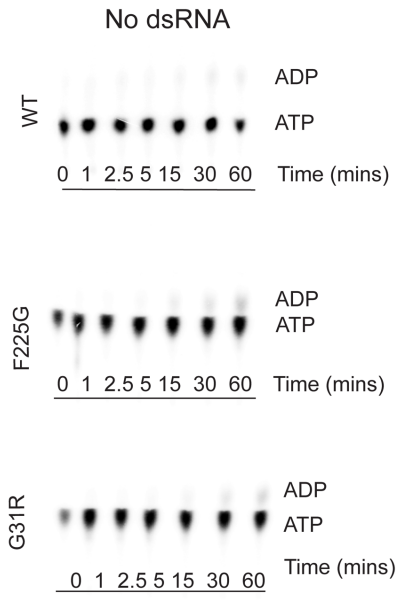
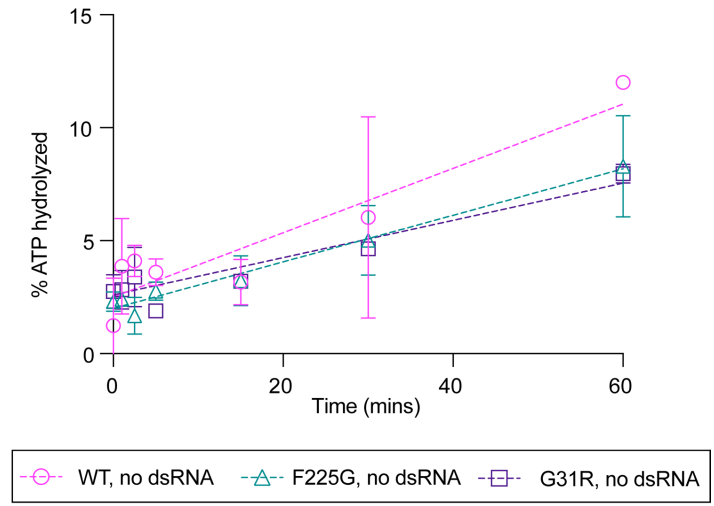


A**B**

S6: ATP hydrolysis without dsRNA: A) PhosphorImages of representative TLC plates show ATP hydrolysis during incubation at 25°C with Dcr-2^{WT}, Dcr-2^{F225G}, or Dcr-2^{G31R}, in the absence of dsRNA. Dcr-2 (200nM) and ATP (100μM), with addition of 100nM of [α -³²P] ATP (3000 Ci/mmol) to monitor hydrolysis. B) Quantification of data from panel A. $n = 3$, errors bars, SD. Data fit with pseudo first order equation, $y = y_0 + A (1 + e^{-kt})$, where A = amplitude of rate curve, y_0 = baseline (~ 0), $k = k_{\text{obs}}$ (first order rate constant), t = time. ATP hydrolysis by Dcr-2 is inefficient without dsRNA (Cenik et al. 2011; Sinha et al. 2015).