

**S2 Fig. AT9010 incorporation catalyzed by POLRMT. (A)** POLRMT (0.5 µM) was incubated with fluorescein-labeled-RNA/DNA scaffold (0.2 µM) for 1 min and then rapidly mixed with SOF TP (50-3000 µM). Reactions were quenched at various times with EDTA (50 µM). **(B)** Quantitated RNA product was plotted as a function of time and fit to a single exponential equation. **(C)** Values for kobs were plotted as a function of AT-9010 concentration and fit to as hyperbola, yielding a kpol value of 0.0017 ± 0.0002 s-1 and a Kd,app value of 204 ± 94 µM).