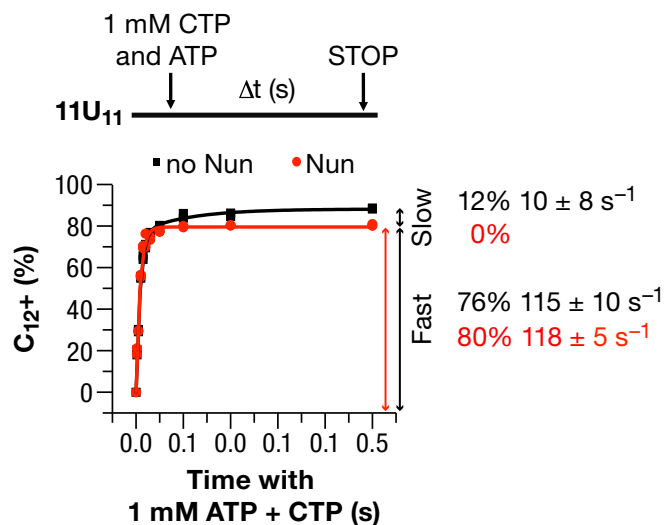


# Supporting Information

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**Fig. S1.** Experiment was performed as described in Fig. 4A, but the ternary elongation complex (TEC) was formed with RNA9, TDS65U11, and NDS65U11 (Table S1) and incubated with 10  $\mu\text{M}$  UTP for 5 min to obtain TEC U<sub>11</sub>.

**Table S1. Sequences of DNA/RNA oligos**

Sequence	TEC	Pausing/arrest
TDS+1 ATCCTCTCCAT <sup>+11</sup> GTG RNA+1 UAGGAGAGG	TEC9G <sub>9</sub>	+10U(P), +11A(P), +12C(A)
TDS+1 ATCCTCTCCAT <sup>+11</sup> GTG RNA+1 UAGGAGAGGU	TEC10U <sub>10</sub>	+11A(P), +12C(A)
TDS+1 ATCCTCTCCAT <sup>+11</sup> GTG RNA+1 UAGGAGAGGUA	TEC11A <sub>11</sub>	+12C(A)
TDS+1 ATCCTCTCCAT <sup>+11</sup> GTG RNA+1 GGAGAGGUA	TEC9A <sub>11</sub>	+12C(A)
TDS+1 ATCCTCTCCAT <sup>+11</sup> GTG RNA+1 GAGAGGUA	TEC8A <sub>11</sub>	+14C(A)

TEC, ternary elongation complex.