

Table 1. Summary of pause-free velocities and apparent pause densities measured at various NTP concentrations

Pol II	[NTP] (μM)	<i>N</i>	Pause-free velocity (nt/s)	Apparent pause density (bp^{-1})
wild-type	35	10	12.4 ± 0.7	0.0721 ± 0.0099
	50	11	11.6 ± 1.1	0.0526 ± 0.0086
	75	9	17.8 ± 1.2	0.0358 ± 0.0079
	100	13	15.7 ± 1.4	0.0326 ± 0.0077
	200	17	21.0 ± 2.4	0.0184 ± 0.0046
	1000	44	24.7 ± 1.8	0.0156 ± 0.0031
	2000	9	26.7 ± 4.3	0.0188 ± 0.0076
E1103G	35	10	16.1 ± 0.9	0.0374 ± 0.0055
	50	13	15.2 ± 1.0	0.0266 ± 0.0055
	75	13	18.9 ± 1.5	0.0290 ± 0.0069
	100	13	24.2 ± 1.7	0.0106 ± 0.0036
	200	13	27.4 ± 3.9	0.0100 ± 0.0027
	400	10	35.6 ± 1.9	0.0094 ± 0.0062
	1000	96	37.6 ± 4.9	0.0051 ± 0.0008
	2000	15	42.1 ± 4.9	0.0083 ± 0.0011

Data are shown as mean \pm SEM. The apparent pause densities are determined by counting pauses that last between 1 s and 120 s. *N* is the number of single-molecule transcription trajectories at each condition.

DOI: [10.7554/eLife.00971.011](https://doi.org/10.7554/eLife.00971.011)