

Gene	k	C _k 5' location	C _k 3' location
<i>hb</i>	1	0.7431	0.4237
	2	0.6806	0.3705
	3	0.6510	0.3433
	4	0.6337	0.3268
<i>Kr</i>	1	0.7447	0.4615
	2	0.6804	0.4157
	3	0.6547	0.3905
	4	0.6408	0.3739
<i>kni</i>	1	0.6368	0.3507
	2	0.5547	0.3116
	3	0.5264	0.2912
	4	0.5127	0.2785
<i>gt</i>	1	0.8072	0.5087
	2	0.7509	0.4616
	3	0.7246	0.4383
	4	0.7093	0.4240

Supplemental Table S2: Conversion factors used to convert the kth cumulants from cytoplasmic units to Pol II counts, Related to STAR Methods.

Gene	Annotated length [bp]	Pol II ChIP [bp]	Effective length [bp]
<i>hb</i>	3621	3685	3635
<i>Kr</i>	2909	3671	3710
<i>kni</i>	3049	3561	3810
<i>gt</i>	1855	2360	2740

Supplemental Table S3: Gene length for the gap genes, Related to STAR Methods.