Figure S1: Autoradiograms of representative DNase I footprinting experiments performed to determine kinetics of TBPc-DNA dissociation. **A)** Rate of dissociation of TBPc from DNA in the absence of Mot1. Unlabeled competitor DNA was added to pre-formed TBPc-DNA complexes at time zero and TATA Box occupancy was assessed by DNase I footprinting performed at various times thereafter (indicated in minutes above lanes 3-13). **B)** Rate of dissociation of TBPc from DNA in the presence of Mot1. Radiolabeled DNA was incubated with 8.8 nM TBPc for ~20 minutes, followed by addition of Mot1 for two minutes. TATA Box occupancy was then determined by DNase I footprinting performed at the times indicated above the lanes (minutes) following addition of unlabeled competitor DNA to reactions at time zero. Reactions in lanes 4-12 contained 8 nM Mot1 plus 25 μM ATP. Reactions in lanes 13-23 contained 8 nM Mot1 but no ATP. Lane 2 contained TBPc but no Mot1; lane 3 contained Mot1 but no TBPc.

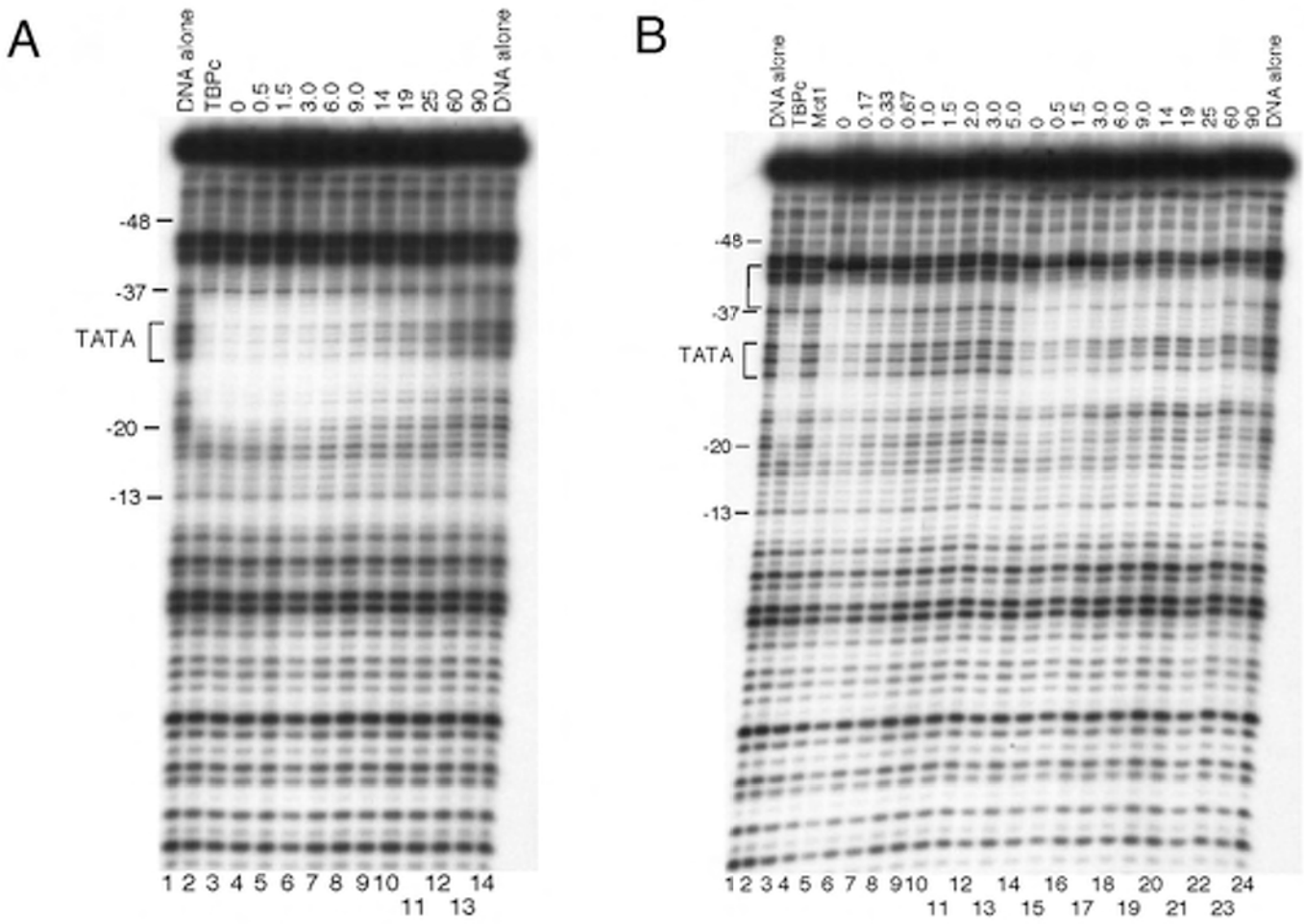
A
DNA alone
TBPc
0
0.5
1.5
3.0
6.0
9.0
14
19
25
60
90
DNA alone
-48
-37
TATA
-20
-13
1 2 3 4 5 6 7 8 9 10 11 12 13 14
B
DNA alone
TBPc
Mot1
0
0.17
0.33
0.67
1.0
1.5
2.0
3.0
5.0
0
0.5
1.5
3.0
6.0
9.0
14
19
25
60
90
DNA alone
-48
-37
TATA
-20
-13
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

Figure S1