

**Supporting Information**

**Examining the Effects of Netropsin on the Curvature of  
DNA A-tracts using Electrophoresis**

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There is one page of supporting information containing a table of electrophoretic mobilities observed for the A-tract constructs.

**Table S1.** Polyacrylamide gel (PAGE) mobilities and free solution (CE) mobilities observed for the A-tract samples. All mobilities are given in mobility units (m.u.). The average standard deviation of the measured values was  $\sim 0.006$  m.u. for the PAGE measurements and  $\sim 0.004$  m.u. for the CE measurements.

PAGE mobilities

Sample	30 mM Tris <sup>+</sup> , 0 mM netropsin	30 mM Tris <sup>+</sup> , 0.01 mM netropsin	35 mM TBA <sup>+</sup> , 0.01 mM netropsin
0	1.317 $\pm$ 0.007	1.299 $\pm$ 0.009	0.941 $\pm$ 0.009
1	1.310 $\pm$ 0.008	1.299 $\pm$ 0.010	0.941 $\pm$ 0.006
2i	1.296 $\pm$ 0.012	1.295 $\pm$ 0.007	0.941 $\pm$ 0.005
3i	1.281 $\pm$ 0.008	1.283 $\pm$ 0.004	0.939 $\pm$ 0.005
4i	1.266	1.270	0.935
2i/o	1.295 $\pm$ 0.006	1.286 $\pm$ 0.005	0.943 $\pm$ 0.003
4o	1.319 $\pm$ 0.006	1.292 $\pm$ 0.011	0.940 $\pm$ 0.008

CE mobilities

Sample	33 mM Na <sup>+</sup> , 0 mM netropsin	33 mM Na <sup>+</sup> , 0.05 mM netropsin	33 mM Na <sup>+</sup> , 0.1 mM netropsin
0	3.516 $\pm$ 0.004	3.113 $\pm$ 0.005	3.027 $\pm$ 0.006
1	3.518 $\pm$ 0.005	3.111 $\pm$ 0.002	3.034 $\pm$ 0.003
2i	3.506 $\pm$ 0.008	3.109 $\pm$ 0.005	3.026 $\pm$ 0.004
3i	3.496 $\pm$ 0.002	3.109 $\pm$ 0.001	3.026 $\pm$ 0.003
4i	3.484	3.102	3.022
2i/o	3.495 $\pm$ 0.001	3.108 $\pm$ 0.008	3.028 $\pm$ 0.004
4o	3.519 $\pm$ 0.002	3.108 $\pm$ 0.003	3.023 $\pm$ 0.005

Netropsin concentration	4i	4o	$\Delta\mu$
0 mM	3.484	3.519	$-0.035 \pm 0.002$
0.001 mM	3.391	3.421	$-0.030 \pm 0.005$
0.002 mM	3.354	3.388	$-0.034 \pm 0.004$
0.005 mM	3.299	3.327	$-0.028 \pm 0.002$
0.02 mM	3.173	3.184	$-0.011 \pm 0.004$
0.03 mM	3.179	3.185	$-0.006 \pm 0.006$
0.04 mM	3.123	3.121	$+0.002 \pm 0.002$
0.05 mM	3.102	3.108	$-0.006 \pm 0.004$
0.06 mM	3.088	3.091	$-0.002 \pm 0.001$
0.07 mM	3.068	3.063	$+0.005 \pm 0.005$
0.08 mM	3.017	3.019	$-0.002 \pm 0.005$
0.1 mM	3.022	3.023	$-0.001 \pm 0.005$