

Supplementary Information for:

**Enhanced Binding of the TATA-Binding Protein to TATA Boxes
with Flanking Cisplatin Adducts**

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CAPTIONS TO FIGURES/TABLES

FIGURE S 1: List of component oligonucleotides used to prepare 55-bp probes. The 37-mers and 18-mers listed make up the top strand (upon ligation) and the 55-mers are complementary bottom strands. For the mono-platinated probes ($^5\text{Pt}[-4,+4]$ and $^3\text{Pt}[-4,+4]$) the 18-mer and 55-mer were the same as in $\text{Pt}_2[-4,+4]$, and the oligonucleotides listed were used to complete the top strand 55-mer (divided 37-mer).

FIGURE S 2: SDS-PAGE (4-20% Tris-HCl) of purified γ TBP at several concentrations. Far-left lane is a low molecular weight Rainbow marker (Amersham Life Sciences).

TABLE S 1: Table of calculated and observed (ESI-MS) molecular weights for platinated component oligonucleotides. The platinated fragments were the 37-mer components except where noted.

Figure S 1Pt₂[-5,+5]/[-5,+5]

5' -TTACTCTTTCTTCAACAA-3'

5' -CTTTTCTCTTCCTCCCGGTATAAACGGTCCCTCCC-3'

5' -TTGTTGAAGAAAGAGTAAGGGAGGGACCGTTTATAACCGGGAGGAAGAGAAAAAG-3'

Pt₂[-4,+5]/[-4,+5]

5' -TTACTCTTTCTTCAACAA-3'

5' -CTTTTCTCTTCCTCCCTGGTATAAACGGTCCCTCCC-3'

5' -TTGTTGAAGAAAGAGTAAGGGAGGGACCGTTTATACCAGGGAGGAAGAGAAAAAG-3'

Pt₂[-4,+4]/[-4,+4]

5' -TTACTCTTTCTTCAACAA-3'

5' -CTTTTCTCTTCCTCCCTGGTATAAAGGCTCCCTCCC-3'

5' -TTGTTGAAGAAAGAGTAAGGGAGGGAGCCTTTATAACCGGGAGGAAGAGAAAAAG-3'

Pt₂[-3,+5]/[-3,+5]

5' -TTACTCTTTCTTCAACAA-3'

5' -CTTTTCTCTTCCTCCCTGGATAAACGGTCCCTCCC-3'

5' -TTGTTGAAGAAAGAGTAAGGGAGGGACCGTTTATCCAAGGGAGGAAGAGAAAAAG-3'

⁵Pt[-4,+4]

5' -CTTTTCTCTTCCTCCCTGGTATAAA-3'

5' -GGCTCCCTCCC-3'

³Pt[-4,+4]

5' -CTTTTCTCTTCCTCCCTGG-3'

5' -TATAAAGGCTCCCTCCC-3'

S3

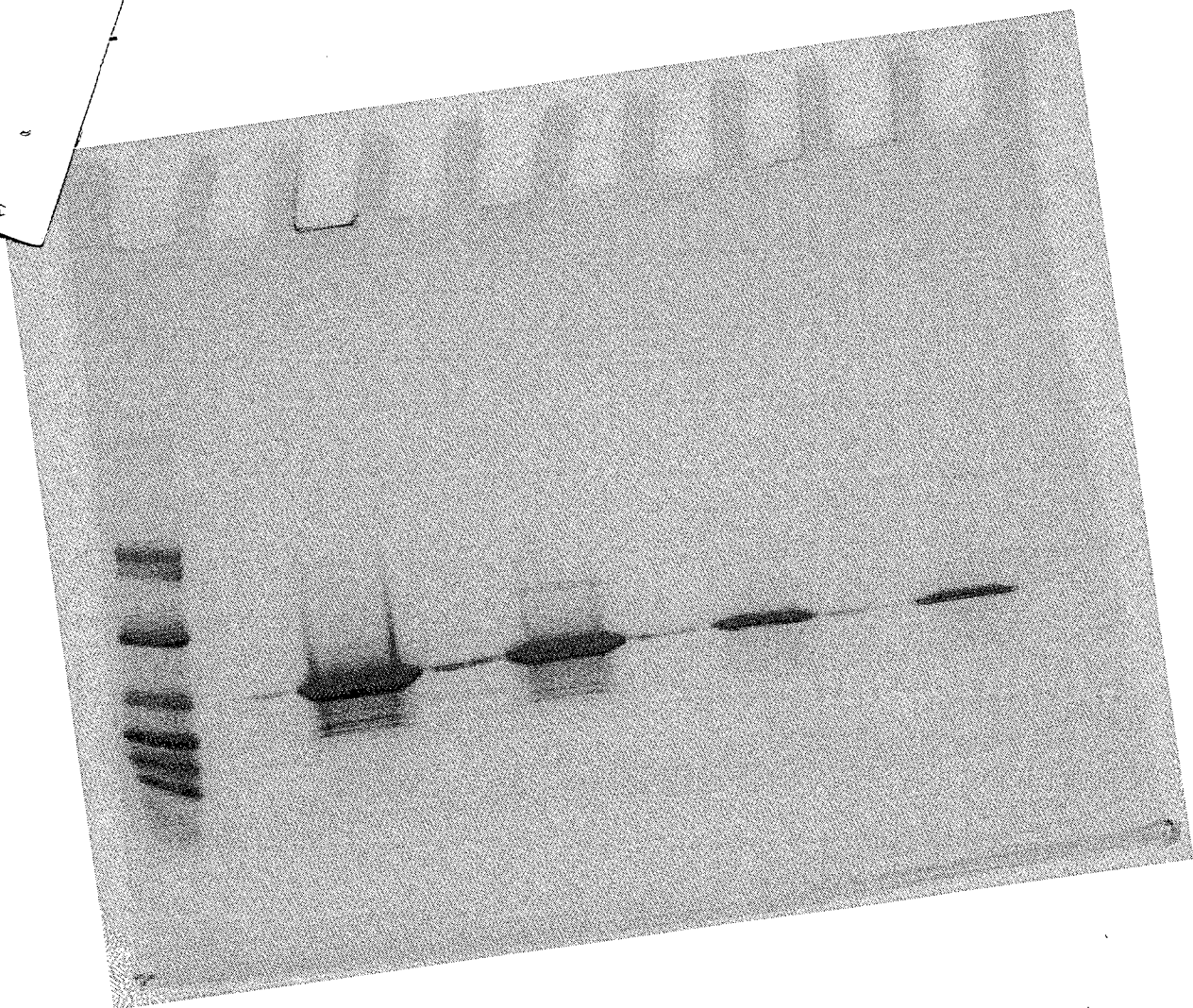


Table S 1

Sequence	Calculated MW ^a (amu)	ESI-MS ^b (amu)
Pt ₂ [-5,+5]	11559	11560.85 (1.41)
Pt ₂ [-4,+5]	11559	11560.47 (1.17)
Pt ₂ [-3,+5]	11559	11560.44 (1.69)
Pt ₂ [-4,+4]	11559	11560.91 (1.09)
³ Pt[-4,+4] (26-mer)	8041	8041.58 (1.10)
³ Pt[-4,+4] (17-mer)	5318	5317.18 (1.97)

^a Calculated mass is of the corresponding single-stranded, platinated 37-mer. ^b Numbers in parentheses represent one standard deviation.