

SUPPORTING INFORMATION FOR

Characterization of the DNA and Membrane Interactions of a Bio-reducible Cell-penetrating Foldamer in its Monomeric and Dimeric Form

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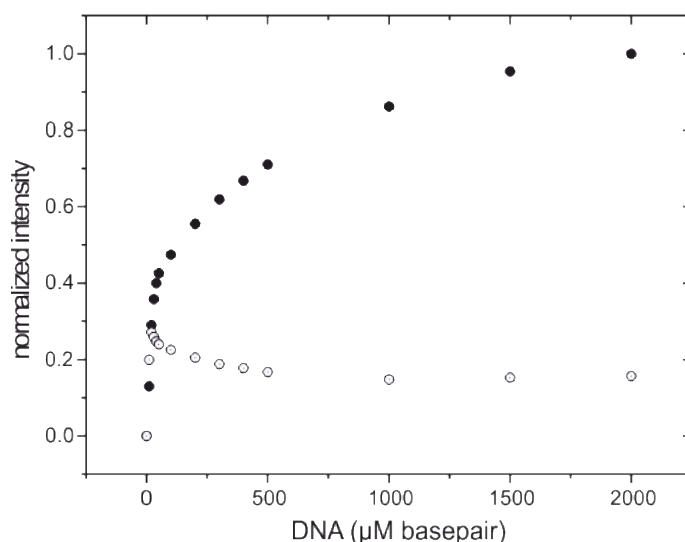


Figure S1: PCA deconvolution of states during monomer **3** association with DNA at pH 5. The closed circles represent the dominant component and the open circles a second component.

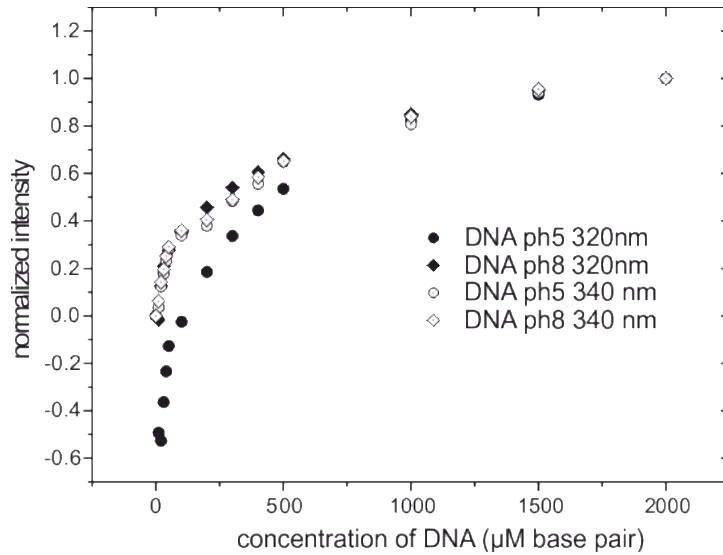


Figure S2: Normalized emission signal of oligourea monomer **3** at 320 nm (closed symbols) and 340 nm (open symbols) at pH 5 (circles) and pH 8 (diamonds)

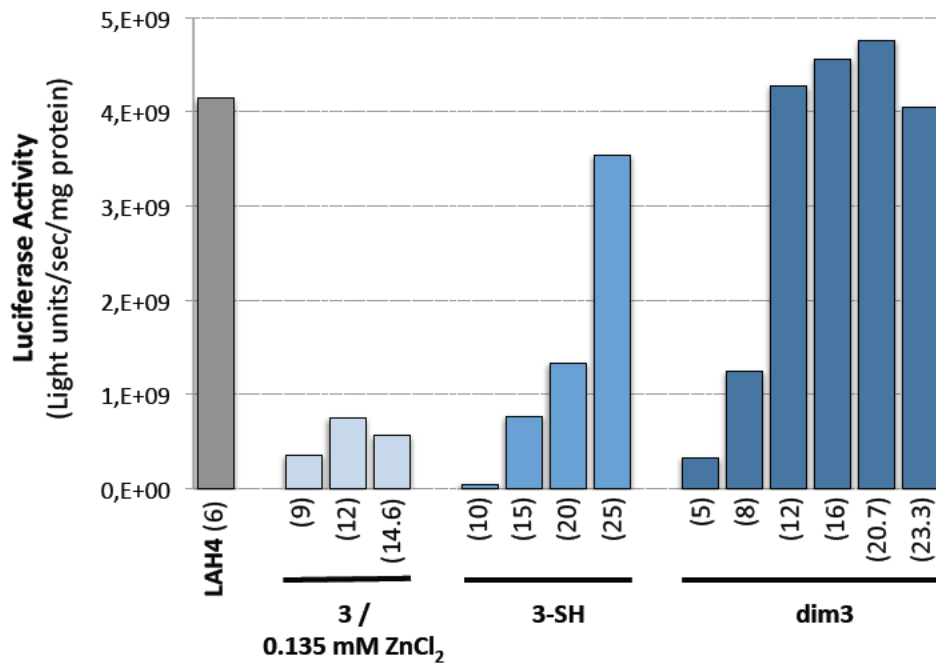


Figure S3: Transfection of a Human embryonic kidney cell line (HEK293 cells) with the plasmid *p-luc* encoding the luciferase gene complexed with different cationic vectors: the LAH4 peptide, oligourea **3** with 0.135 mM ZnCl₂, **3-SH** and **dim3** at the vector/DNA mass ratios indicated in brackets. Notably, at **dim3**/DNA ratios > 20 toxic effects were observed. The cell assay was performed in 24-well plates in duplicates with 1.5 μg of *p-luc*/well. The transfection efficiency was measured after 28h and it is expressed as light units/s/mg protein and is the mean of the duplicates.