Supplementary Materials

Fluorescence Detection of deoxyadenosine in *Cordyceps* spp. by Indicator Displacement Assay

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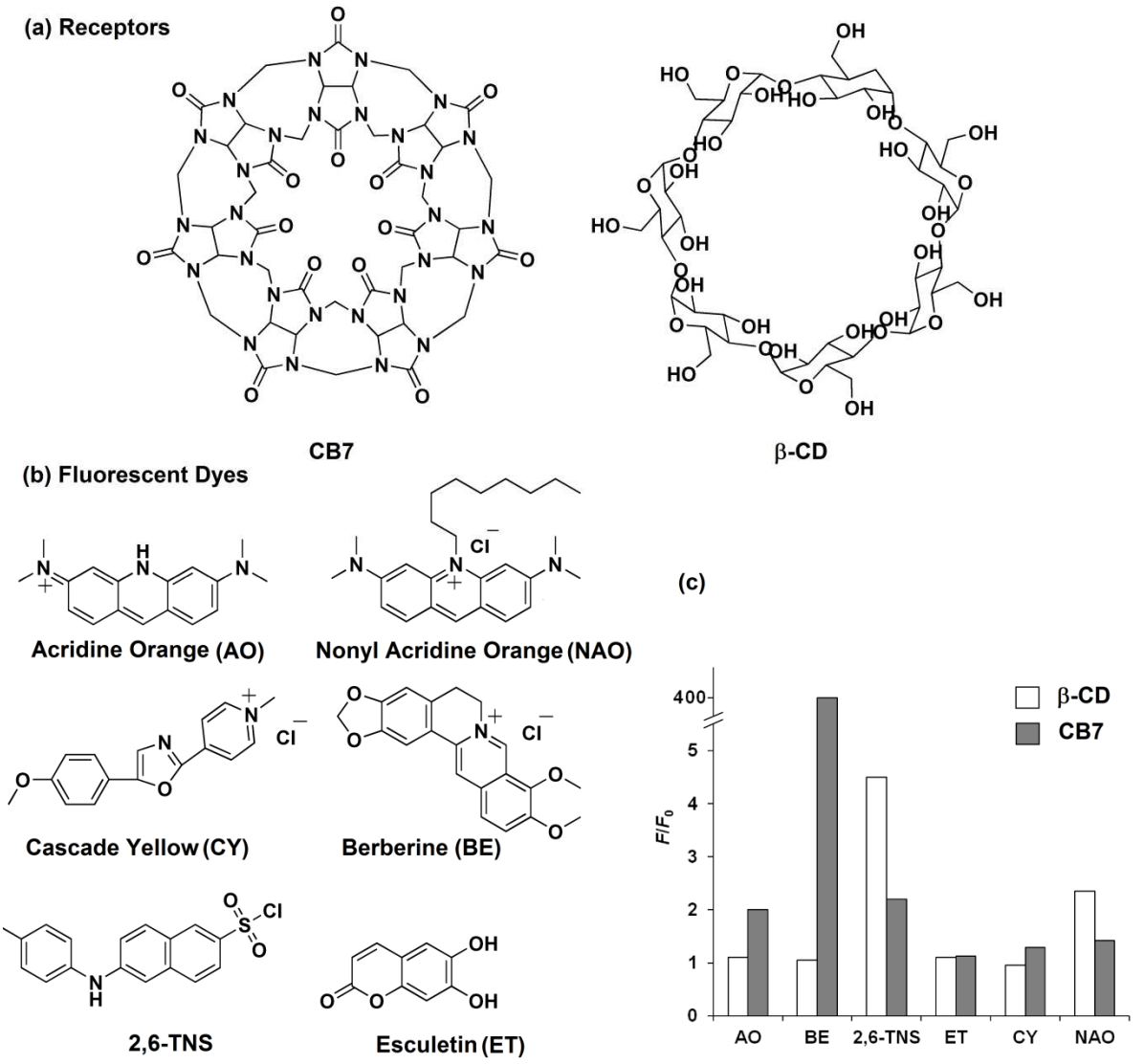

Figure S1. Chemical structures of macrocyclic receptors (**a**) and fluorescent dyes (**b**) tested in this study; (**c**) Fluorescent response of the dye without (F_0) and with 5 equivalent molar of β-CD (white) and CB7 (gray) in 10 mM ammonium acetate buffer (pH 5.0)

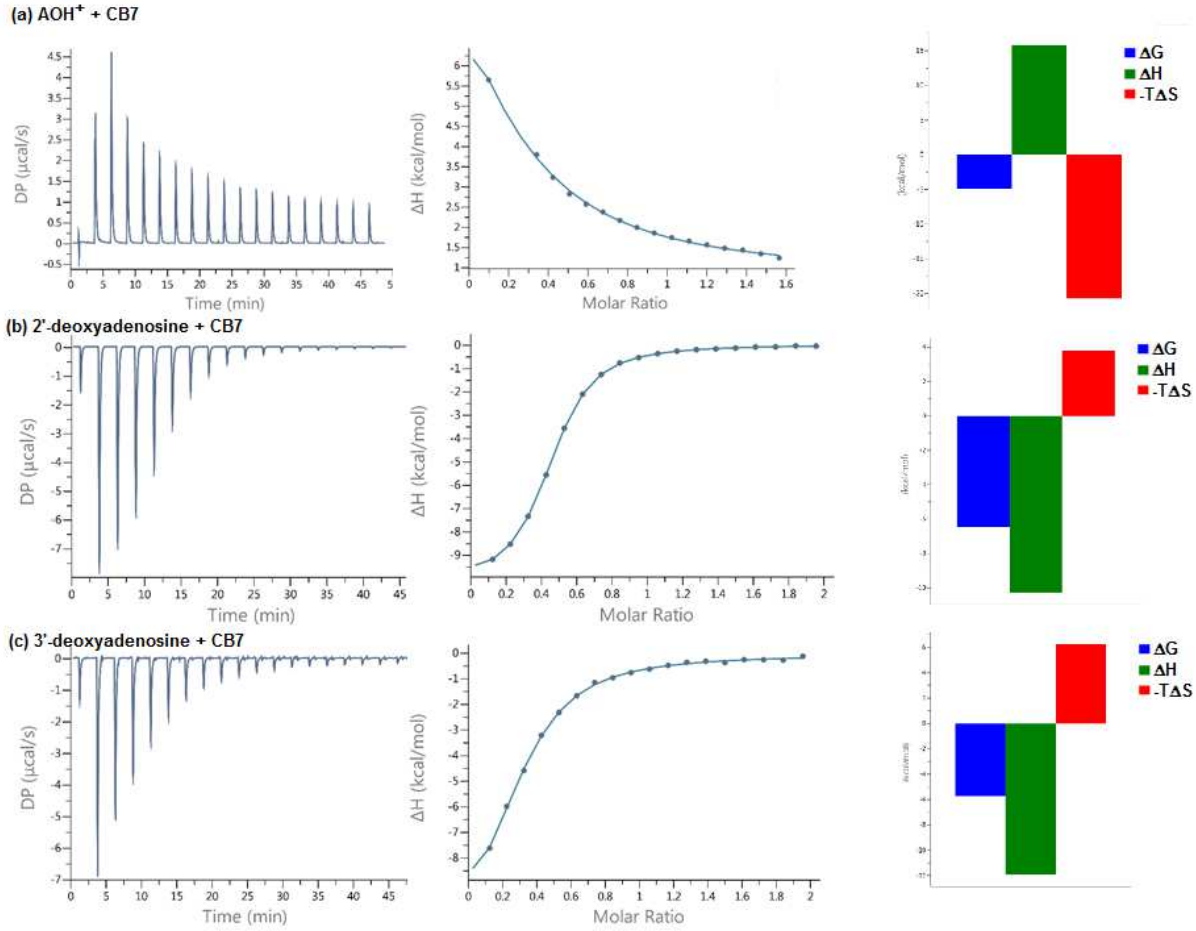

Figure S2. ITC analysis (MicroCal PEAQ-ITC, Malvern Instrument, UK) of CB7 (0.5 mM) and (**a**) AOH^+ (4 mM), (**b**) 2′-deoxyadenosine (5 mM) and (**c**) 3′-deoxyadenosine (5 mM) in 10 mM ammonium acetate buffer (pH 4.0). Blue : ΔG, Green : ΔH, Red : -TΔS (kcal/mol).

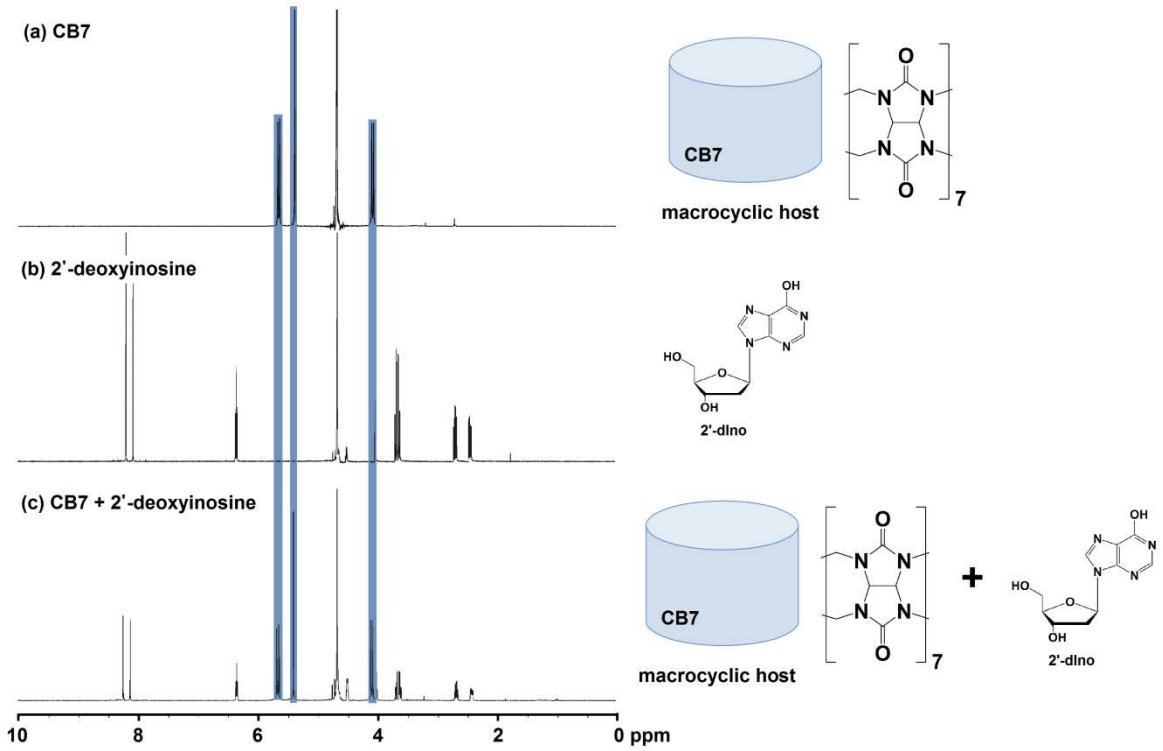

Figure S3. ^{1}HNMR (Bruker Ascend™ 400, D_2O) of the (**a**) CB7 (4 mM), (**b**) 2′-deoxyinosine (4 mM) and (**c**) the mixture between 2′-deoxyinosine and CB7 (4 mM each). Peaks of the CB7 were highlighted in blue.