

Characterization of the E2A-AD1:TAZ2 complex: Supporting Information

Structural insights into TAZ2 domain-mediated CBP/p300 recruitment by transactivation domain 1 of the lymphopoietic transcription factor E2A

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Supporting information:

- 1) Figures S1-S6

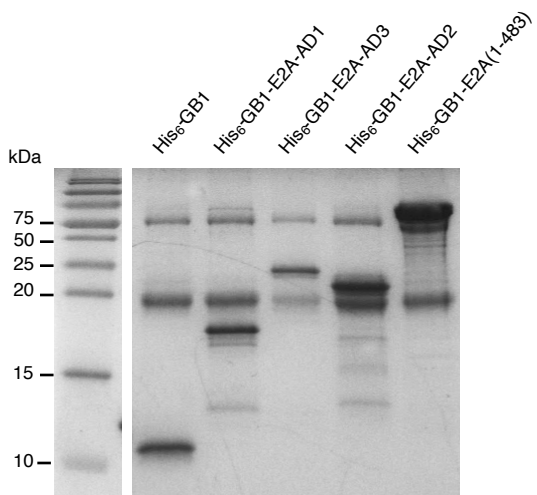


Figure S1. SDS-PAGE analysis of immobilized GB1-E2A constructs used in a pulldown experiment (Figure 2) with no added TAZ1, TAZ2 or KIX.

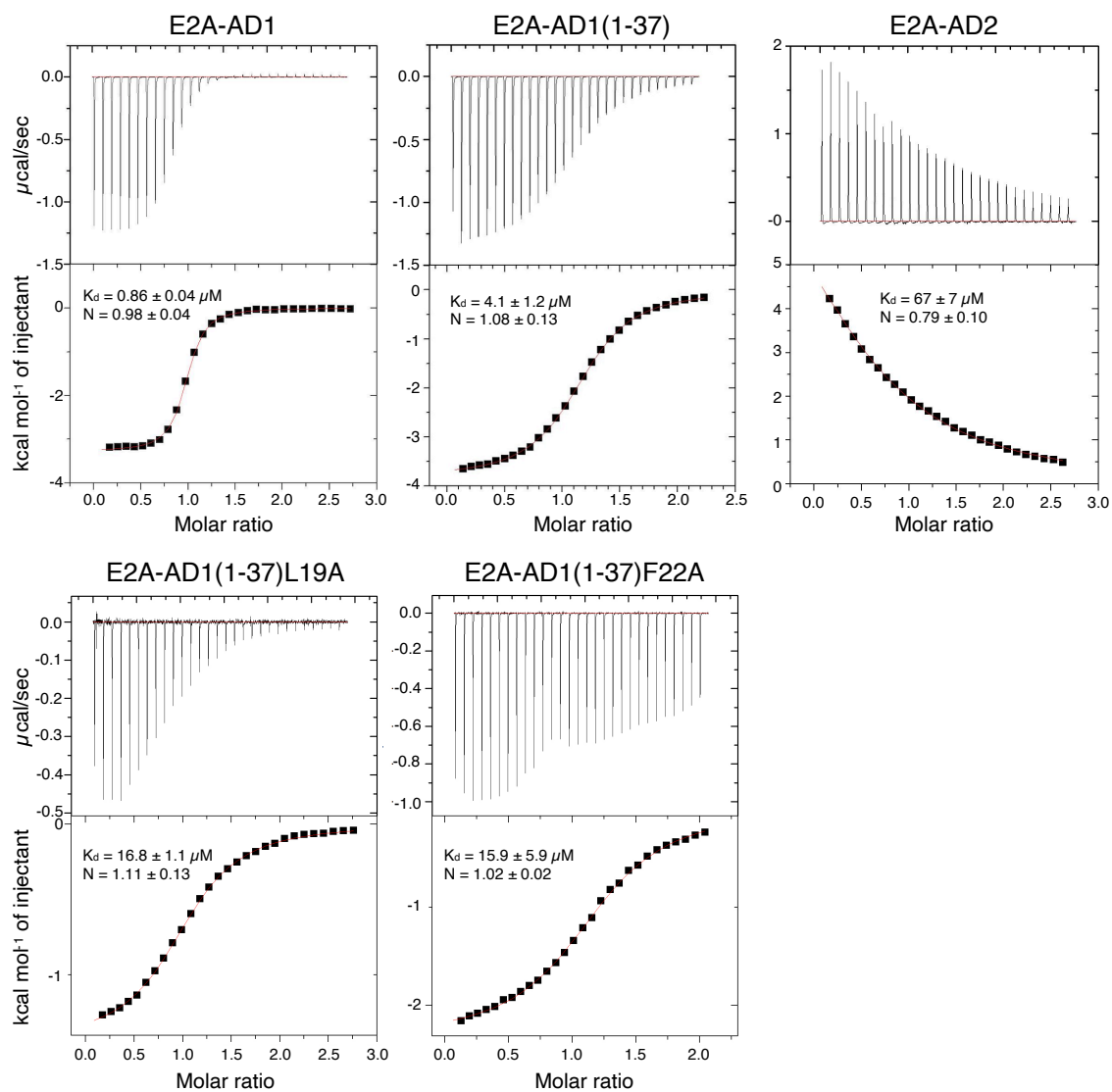


Figure S2. Representative isothermal titration calorimetry thermograms of the indicated E2A constructs titrated into a solution of TAZ2. The mean \pm standard deviation of the dissociation constant (K_d) and stoichiometry (N) of two biological replicates are indicated for each curve.

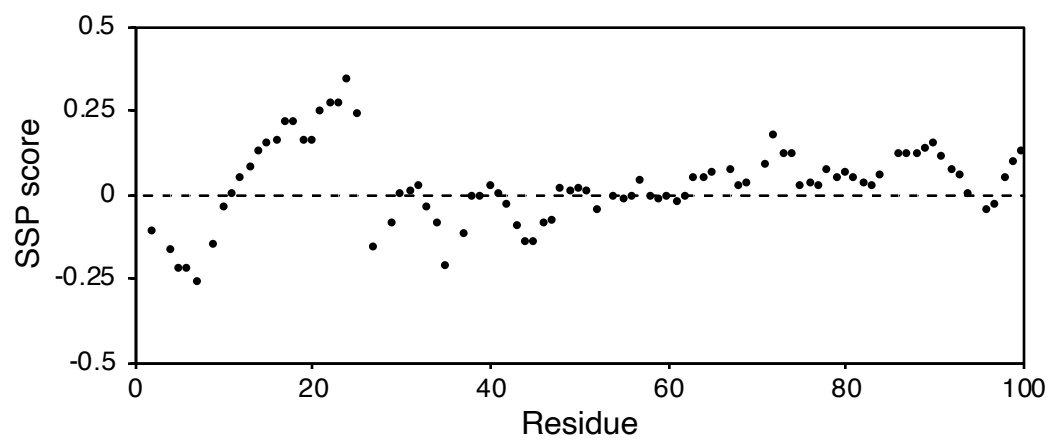


Figure S3. The secondary structure propensity score (calculated from C^α and C^β chemical shifts) of E2A-AD1.

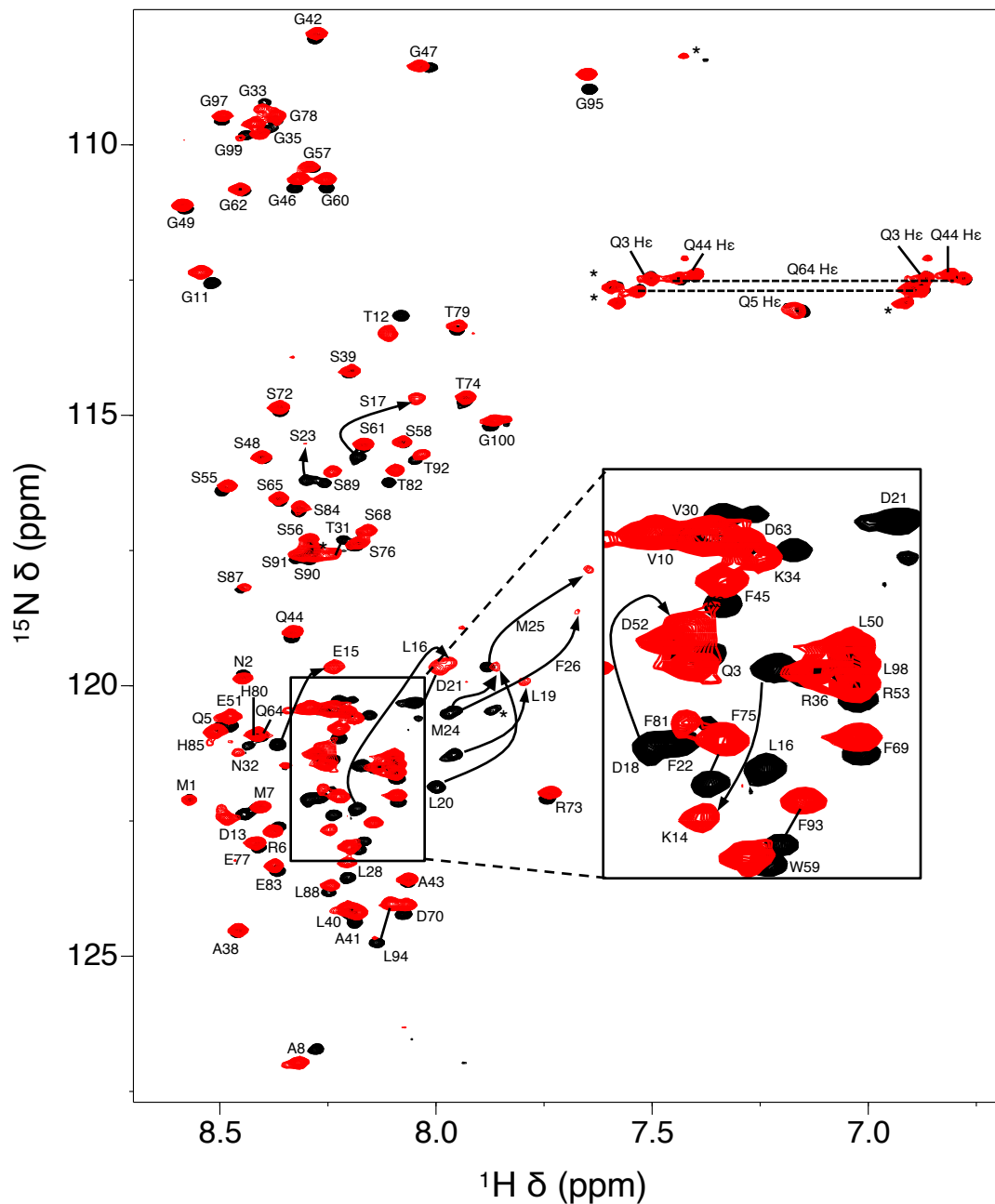


Figure S4. Overlay of ^1H - ^{15}N HSQC spectra of 50 μM E2A-AD1 in the absence (black) and presence (red) of 400 μM Taz2. Resonance assignments are indicated, and * represents resonances that are a minor contaminant or could not be assigned due to spectral overlap.

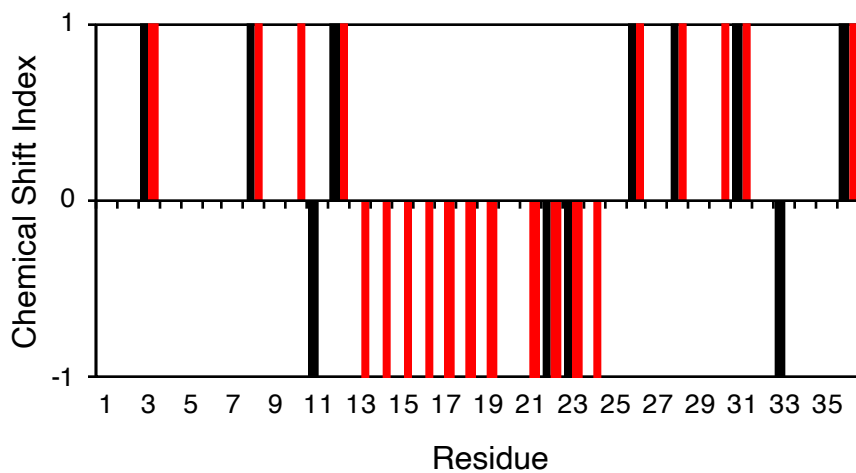


Figure S5. The calculated chemical shift index for residues of E2A-AD1(1-37) in the absence (black) and presence (red) of saturating concentrations of TAZ2.

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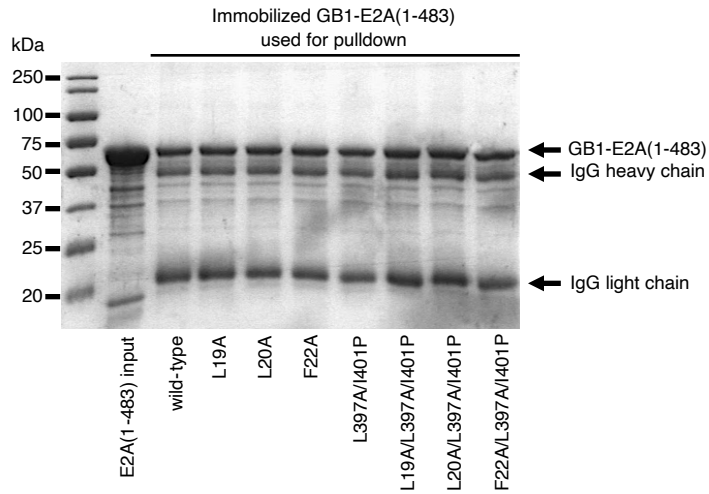


Figure S6. SDS-PAGE analysis of GB1-E2A(1-483) constructs used for the pulldown experiment in Figure 8. Similar band intensity demonstrates equal loading of immobilized GB1-E2A(1-483) constructs.