

Supplemental Information

Structure and Biological Importance of the Spn1-Spt6 Interaction, and Its Regulatory Role in Nucleosome Binding

Seth M. McDonald, Devin Close, Hua Xin, Tim Formosa, and Christopher P. Hill

Supplemental Information Inventory

Table S1. Thermodynamic parameters of the Spn1-Spt6 interaction. Related to Figures 1, 4, and S3.

Figure S1. Structural similarity between Spn1 core and proteins that bind RNAPII CTD and conservation of amino acid sequences. Related to Figure 2.

Figure S2. Electron density surrounding the Spt6 residues. Related to Figure 3.

Figure S3. Mutating the Spn1-Spt6 interface disrupts binding *in vitro*. Related to Figure 4.

Figure S4. Nhp6 and Spn1 each support functions of Spt6 *in vivo*. Related to Figure 5.

Supplemental Experimental Procedures:

Protein Expression and Purification

Strains Used

Strain Construction

Plasmid Construction

Testing the effect of combining *spn1* and *spt6* mutations

Supplemental References