

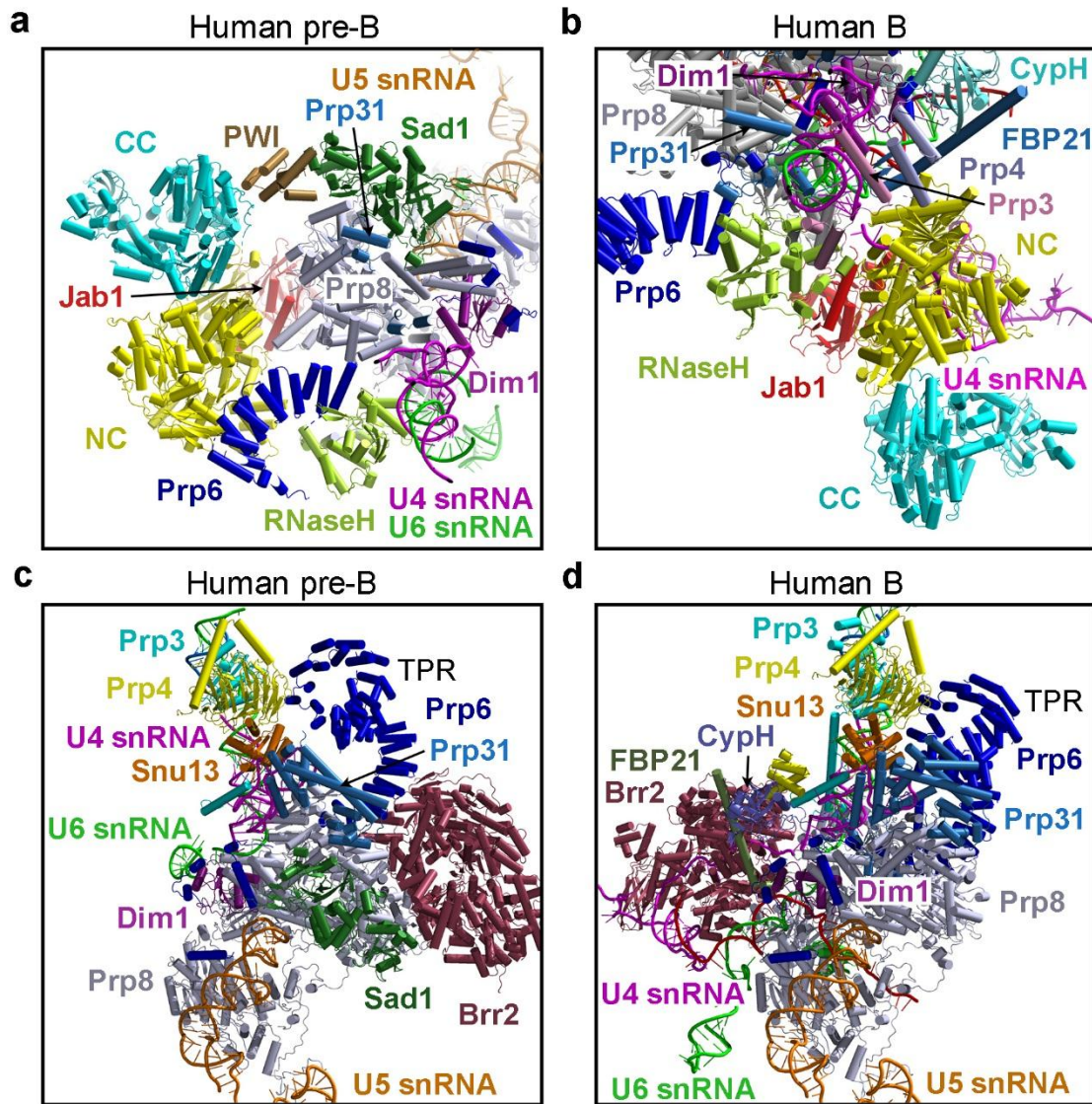


Fig. S9. Structural comparison of components of the tri-snRNP between the human pre-B and B complexes.

(a) Structure of Brr2 in the human pre-B complex. The NC and CC of Brr2 are colored yellow and cyan, respectively. Neighboring proteins are shown. (b) Structure of Brr2 in the human pre-B complex. (c) Structure of select protein components of the U4/U6.U5 tri-snRNP in the human pre-B complex. (d) Structure of select protein components of the U4/U6.U5 tri-snRNP in the human B complex. Comparison of panels C and D reveals marked positional shifts in the protein components. Prp3, Prp4, Prp31, Prp6, and Snu13 are translocated by 10-40 Å in the transition. Sad1 is located between Brr2 and Prp8 in the pre-B complex but is absent in the B complex.