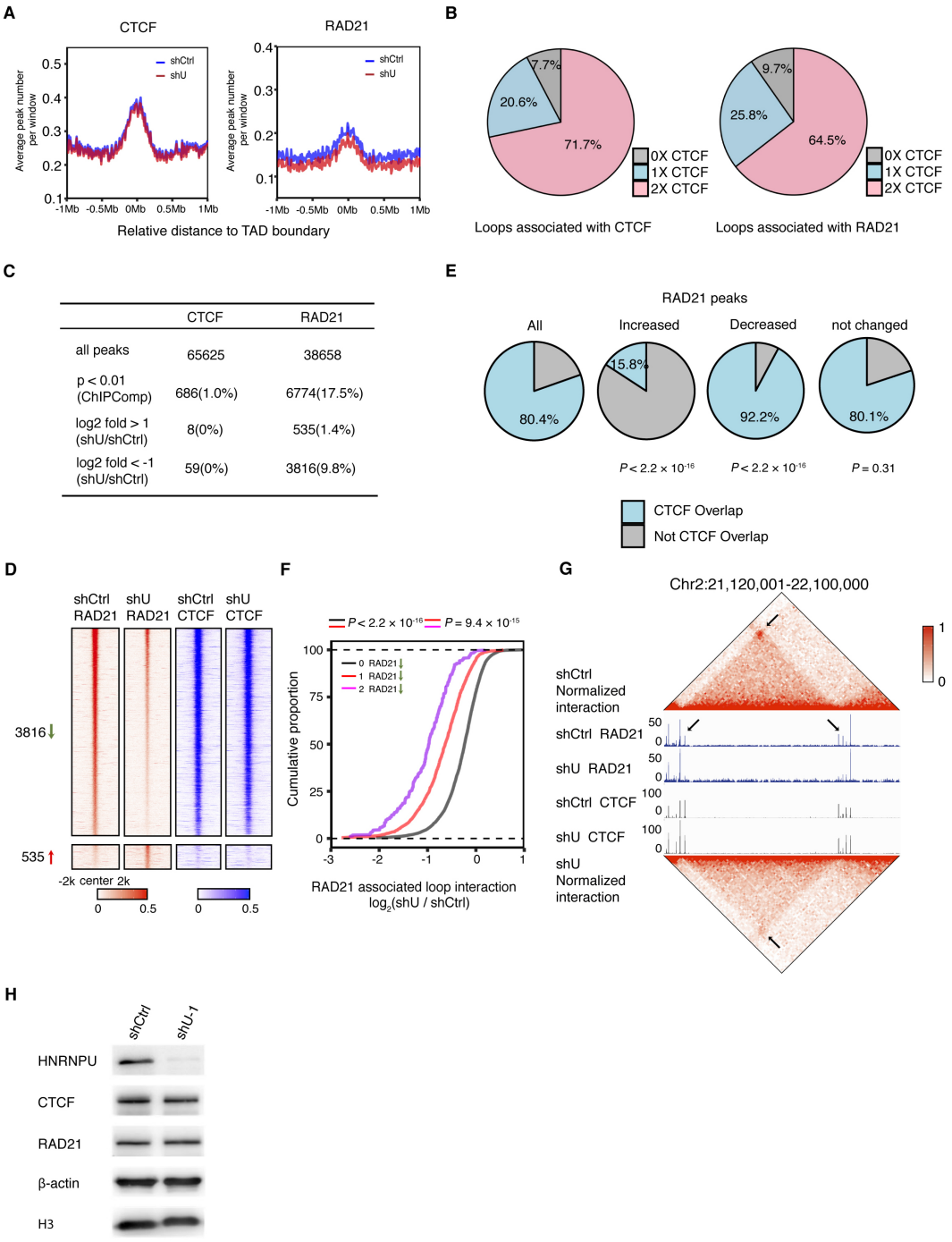

Supplemental Figure S10. The HNRNPU depletion weakens RAD21 binding. (A) Distribution of CTCF and RAD21 peaks centered by TAD boundaries. (B) Overlaps of chromatin loops with CTCF or RAD21 binding. 2X: two-side overlap; 1X: one-side overlap; 0X: no overlap. (C) Statistics of differential ChIP-seq peaks of CTCF and RAD21 between the control and *Hnrnpu* knockdown cells. (D) Overlaps of RAD21 peaks with CTCF peaks. *P* values were obtained by Chi-square test. (E) Heatmaps showing ChIP-seq signals of RAD21 (red) and CTCF (blue) in differential binding sites of RAD21. (F) Cumulative distribution of interaction differences in RAD21-associated chromatin loops, with or without decreased RAD21 peaks. *P* values were obtained by Kolmogorov Smirnov (KS) test. (G) A

representative region showing decreased chromatin loop coincided with reduction of RAD21 binding upon HNRNPU depletion. (H) Western blot analysis with antibodies against specified proteins, Actin and H3 as loading controls.