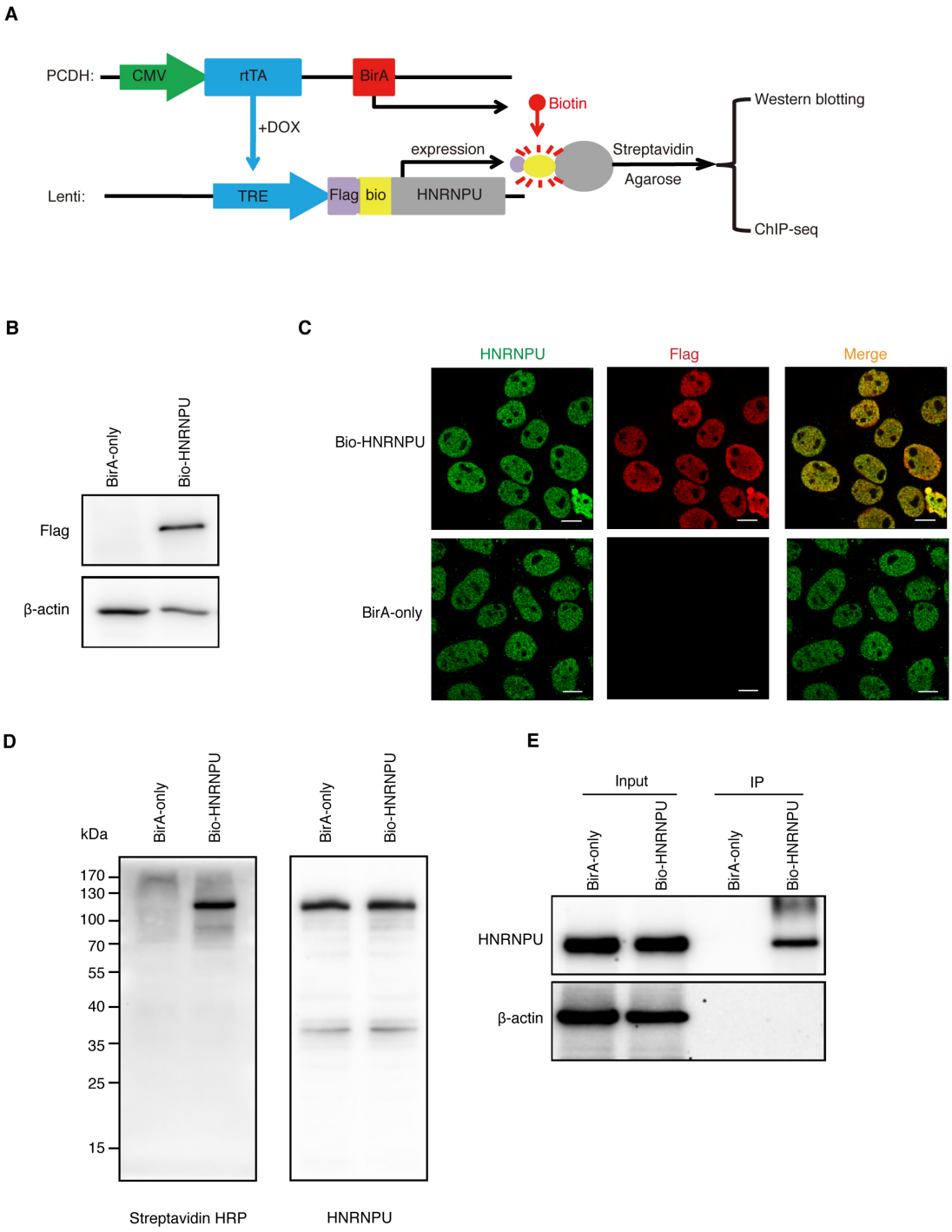

Supplemental Figure S8. Quality controls of HNRNPU bioChIP experiments. (A) Schematic view of vector systems for expression of BirA and HNRNPU tagged with N-terminal FLAG and Bio peptides. (B) Western blot analysis with the antibody against Flag tag proteins; β-actin as loading the control. The result shows that tagged HNRNPU proteins have been expressed successfully. (C) Immunofluorescence staining displays co-localization of total HNRNPU (green) and tagged HNRNPU (red) in AML12 cells, indicating correct localization of tagged HNRNPU proteins. The scale bar represents 10 μm. (D) Western blot

analysis of the nuclear extracts indicate that HNRNPU proteins are specifically and effectively biotinylated. Same amount of nuclear extract from bio-HNRNPU or BirA-only samples were blotted with Streptavidin-HRP (Pierce, 21130) or anti-HNRNPU antibody (Abcam, ab20666). (E) Western blot analysis of input and bioChIP products. Only the product of HNRNPU bioChIP can be detected by the anti-HNRNPU antibody, indicating that *in vivo* labeled HNRNPU proteins can be pull-down by the streptavidin beads specifically.