

**Supplementary Figure S4.** Specificity of PIKK binding is conferred by multiple interactions. **a**, Biotinylated peptides corresponding to the indicated regions of human Nbs1, Ku80 and ATRIP, or uncoupled beads, were incubated with nuclear extract, and bound proteins isolated and immunoblotted as indicated. **b**, Nuclear extracts were immunoprecipitated in the presence of linear dsDNA and immunoblotted as indicated.