Figure S7. Co-LLPS of hnRNP A1 and TDP-43<sup>1-274</sup>.  

**a** hnRNP A1 and TDP-43<sup>1-274</sup> co-phase separate at the indicated conditions *in vitro*. The addition of hnRNP A1 promotes the co-LLPS in a dose-dependent manner. 

**b-c** Representative SDS-PAGE analysis (b) and quantifications (c) of a centrifugation-based, semi-quantitative assay showing the distribution of proteins between aqueous phase (supernatant, S) and condensed liquid phase (pellet, P) fractions for hnRNP A1 and TDP-43<sup>1-274</sup> at the indicated conditions. The experiments are conducted according to the protocol published in a previous study<sup>43</sup>. Our results indicate that the addition of PAR significantly increases the protein distribution of both hnRNP A1 and TDP-43<sup>1-274</sup> in the condensed liquid phase. Scale bar: 10 µm.