



Supplementary Figure 2. The crystal structure of TIN2_{TRFH}-TPP1_{TBM}-TRF2_{TBM} complex. A. The TPP1_{TBM}-binding-pocket in TIN2_{TRFH} shown as stereo images. TIN2 is colored in cyan and TPP1 is colored in yellow. The electron density (2Fo-Fc) map, contoured at 1 δ , is shown for TPP1_{TBM}. Right panel shows TRF2 binding pocket of TIN2_{TRFH}. **B.** The TRF2_{TBM}-binding-pocket in TIN2_{TRFH}. TIN2 is colored in green and TRF2 is colored in magenta. The electron density (2Fo-Fc) map, contoured at 1 δ , is shown for TRF2_{TBM}. **C.** Sequence alignment of TIN2 proteins from different species. Secondary structure assignments based on the hTIN2 structure are shown as cylinders (α -helices) and lines (loops) above the sequences. The residues important for TPP1- and TRF2-binding are labeled as indicated. **D.** Sequence alignment of TIN2-binding motifs of TPP1 from human, mouse and rat. **E.** Sequence alignment of TIN2-binding motifs of TRF2 from human, mouse and rat.