



Figure S4. *TaDOF4.7-B* indirectly regulate the auxin signaling pathway to promote wheat regeneration. (A) Expression heatmap of the *ARFs* induced by *TaDOF4.7*. (B) The expression levels of selected *ARFs* in *TaDOF4.7-B-OE* transgenic calli (*UBI-TaDOF4.7*) and empty vector transgenic calli. (C) Motif analysis of the promoters of the selected *ARFs*. The red vertical lines indicate the possible binding sites of DOF transcription factors. (D-G) The interactions between *TaDOF4.7-B* and the promoters of *TaARF5-B*, *TaARF11-B*, *TaARF16-D* and *TaPIN2-D* were confirmed by ChIP-qPCR. *TaDOF4.7-B-OE* samples with IgG antibody were used as negative controls.