

Supplementary data.

Table S1 Primers for qRT-PCR.

Primer name	Primer Sequence	Primer name	Primer Sequence
<i>ZmTIP2;3</i> -qPCR-F	TCGCATTGGAAGCTTTCGC	<i>ZmTIP2;3</i> -qPCR -R	CTTCGTC AATTGCGAGTAGGC
<i>Zma-Tubulin</i> -F	TCCTGGACAACGAGGCTATCTAT	<i>Zma-Tubulin</i> -R	TGTGAGATCAGCCTGTTCAAGTT
<i>ZmGAPDH</i> -F	AGCAGGTCGAGCATCTTCG	<i>ZmGAPDH</i> -R	CTGTAGCCCCACTCGTTGTC

Table S2 Primers for vector construction.

Primer name	Primer Sequence	Primer name	Primer Sequence
<i>ZmTIP2;3</i> -F	ATGGTGAAGCTCGCATTGG	<i>ZmTIP2;3</i> -R	CGAGTAGGCAATGGCGGA
<i>ZmTIP2;3</i> -GFP-F	ggacagcccagatcaactagtATGGTGAAGCTCGCATTGG	<i>ZmTIP2;3</i> -GFP-R	gcccttgctcaccatggatccTGGGTACTCCTGCTGGCCG
p <i>ZmTIP2;3</i> -F	CTACAACCGTACAGGCAAAAAGT	p <i>ZmTIP2;3</i> -R	CTTTTTC CCCCCCTCTCC
p <i>ZmTIP2;3</i> -GUS-F	gacctgcaggcatgcaagcttCTACAACCGTACAGGCAAAAAGTATT	p <i>ZmTIP2;3</i> -GUS-R	ttaccctcagatctaccatggCTTTTTC CCCCCCTCTCC

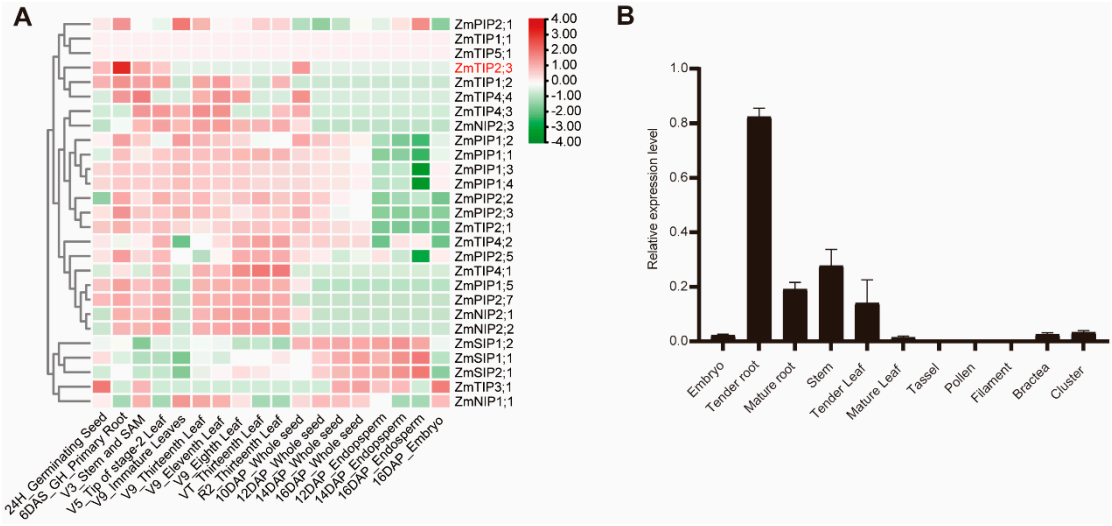


Figure S1. Tissue expression pattern analysis of *ZmTIP2;3*. (A) Heatmap of the tissue expression pattern of *ZmTIP2;3*. (B) The relative expression level of *ZmTIP2;3* in different tissues of maize was measured by qRT-PCR.