

Table S1. The accession ID of Arabidopsis and rice TIPs

Gene	Locus tag
AtTIP1;1	AT2G36830
AtTIP1;2	AT3G26520
AtTIP1;3	AT4G01470
AtTIP2;1	AT5G47450.1
AtTIP2;2	AT4G17340.1
AtTIP2;3	AT5G47450
AtTIP3;1	AT1G73190
AtTIP3;2	AT1G17810
AtTIP4;1	AT2G25810
AtTIP5;1	AT3G47440
OsTIP1;1	LOC_Os03g05290
OsTIP1;2	LOC_Os01g74450
OsTIP2;1	LOC_Os02g44080
OsTIP2;2	LOC_Os06g22960
OsTIP3;1	LOC_Os10g35050
OsTIP3;2	LOC_Os04g44570
OsTIP4;1	LOC_Os05g14240
OsTIP4;2	LOC_Os01g13130
OsTIP4;3	LOC_Os01g13120
OsTIP5;1	LOC_Os04g46490

Table S2. The primers used in this study

Gene Name	Forward Primer	Reverse Primer
ZmUbi	ATGACCATGATTACGCAGTGCAGCGTG ACCCGGT	TACCGAGCTCGAATTCGGATCCTCTAGAGTC GACCTGCAGA
eGFP	ATTCGAGCTCGGTACCATGGTGAGCAA GGGCGAGGA	CTAGAGGATCCCCGGGTACCCTTGACAGCT CGTCCATGCC
mCherry	CGGGGATCCTCTAGAATGGTGAGCAAG GGCGAGGA	GCAGGTCGACTCTAGACTTGACAGCTCGTC CAT
OsTIP1;1	GCAGGCATGCAAGCTTATGCCGATCCG CAACATCGC	ACCTGTAATTCACACGTGTTAGTAGTCGGTG GTGGGGA
AtVAMP711	AGTCTAGAGTCGACCTGCAGATGGCGA TTCTGTAC	TACGAACGAAAGCTCTGCAGTTAAATGCAA GATGG