

Microtubule-associated phase separation of MIDD1 tunes cell wall spacing in xylem vessels in *Arabidopsis thaliana*

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Supplementary Table S1. Statistical analysis of rescue frequency

		Minimum	First quartile	Median	Mean	Tird quartile	Maximum
WT							
	EB	0.00	0.00	0.00	0.03	0.05	0.11
	EG	0.00	0.00	0.00	0.02	0.05	0.08
	LG	0.00	0.00	0.00	0.02	0.04	0.10
<i>midd1midd2</i>							
	EB	0.00	0.00	0.00	0.01	0.02	0.11
	EG	0.00	0.00	0.00	0.03	0.07	0.14
	LG	0.00	0.00	0.00	0.03	0.05	0.25

Data were shown as box plot in Figure 3H.

Supplementary Table S2. Primers used for plasmid construction

Primer ID	Sequence (5' to 3')
MIDD1pro-f1	caccTGCATAATCATCATCGCATGG
MIDD1-r1	TTACTTATGGTTTTTCTTGAGTAACACAC
MIDD1pro-GFP-f1	TAAACTCCAAAAtggtgagcaagggcgag
GFP-MIDD1-r1	TGGAGTCTGCATggtgAAGGGGGCGGCC
Kin13Apro-f1	caccTCGTACAGACATGATGTCTTGAGAC
AtKin13A-r1	CCGAGGAACTCTCTTACGGC
ROP2pro-f1	CCCCTTCACCatcaaatcgtatctctgagaaagc
ROP2ter-r1	GCCCACCCTTaagcatgatgcttggaagatc
ROP2sw-f1	GCTGTGCCAATTACTACAAAC
ROP2sw-r1	ACCAGGATGATCTATAAAGAATTG
ROP2swGFP-f1	GATCATCTGGTTCTGGCGGATCCatggtgagcaagggcg
ROP2swGFP-r1	AATTGGCACAGCGCCCGGCGCGCCctgtacagctcgtccatg
ROP7pro-f1	CCCCTTCACCTgctgtatattgtgggtattcattaaattatg
ROP7ter-r1	GCCCACCCTTacatatataagaactggagcatgaac
ROP8pro-f1	CCCCTTCACCAgctcttctcatcctcaaacgcagtttag
ROP8ter-r1	GCCCACCCTTgaattgagattttattgattattctatttcg
ROP11pro-f1	CCCCTTCACCTaattttttatcaaccaaatttatgtttcttg
ROP11ter-r1	GCCCACCCTTaatcttgaagacaatgtgtcattg
ROP11-f1	caccATGGCTTCAAGTGCTTCAAAG
ROP11-r1	TCAATGCCGAGTCACTATCCTC
ROP11-G17V-f1	TGCTGTTGGTAAAACCTGTATGC
ROP11-G17V-r1	ACATCACCAACAGTCACACACTTG
ROP11-T20N-f1	TGTATGCTCATCTGCTACACCAG
ROP11-T20N-r1	ATTTTTACCAACAGCACCATCACC
IRX3pro-f1	GCTCCGCGGCCGAGGAGGAACAACAACAC
IRX3pro-r1	AGGGGGCGGCCAGGGACGGCCGGAGATTAG
ROP7-crispr-f1	GTGTGACTGTCTGGAGAgtttttagagctagaaatagcaag
ROP7-crispr-r1	CGACAGTCACACACTTaactactacttcgactctagc
ROP8-crispr-f1	GTGTCACTGTTGGCGAgtttttagagctagaaatagcaag
ROP8-crispr-r1	CAACAGTGACACACTTaactactacttcgactctagc
ROP11-crispr-f1	TTGGTGATGGTGCTGTgttttagagctagaaatagcaag
ROP11-crispr-r1	CACCATCACCAACAGTaactactacttcgactctagc
Kin13A-crispr-f1	attgCTTTACCCACTAATGACGC
Kin13A-crispr-r1	aaacGCGTCATTAGTGGGTAAAG