

Table S1. A summary of the plasmids and oligonucleotide primers used in this study

pENTR207 plasmid insert	Template DNA	Primers	pDEST plasmids
RAB-A2a wt	Total cDNA <i>Arabidopsis</i> seedlings	A2.a-GW-F: 5'-(attB1)TTCACCATGGCGAGSSGACCGGACGAA-3' A2.a-GW-R: 5'-(attB2)TCAAGACGATGAGCAACAAG-3'	pAS2.1
RAB-A2d wt	Total cDNA <i>Arabidopsis</i> seedlings	A2.d-GW-F: 5'-(attB1)TTCACCATGGCGCATAGGGTAGAACAG-3' A2.d-GW-R: 5'-(attB2)TTAAGTAGAGCAGCAACCTCT-3'	pAS2.1
RAB-A5c wt	Total cDNA <i>Arabidopsis</i> seedlings	A5.c-GW-F: 5'-(attB1)TTCACCATGTCTAGACGACGACGAGAGA-3' A5.c-GW-R: 5'-(attB2)TTACCTCGAACAGCAAGAGAAT-3'	pAS2.1
RAB-B1b wt	pcAlxs-1 (Moore et al., 2007)	RABB1b-attB-F: 5'-(attB1)TTCACCATGGTCACCGTCGATGGACGC-3' RABB1b-attB-R: 5'-(attB2)TTAACCACAACAGCCACCTCC-3'	pAS2.1, pGEX-4T-1-GW
RAB-B1b QL	pVKE6HA-Venus -RABB1bQL*	RABB1b-attB-F: 5'-(attB1)TTCACCATGGTCACCGTCGATGGACGC-3' RABB1b-attB-R: 5'-(attB2)TTAACCACAACAGCCACCTCC-3'	pAS2.1, pGEX-4T-1-GW
RAB-D2a wt	pVKE6-RABD2a (Batoko et al, 2000)	RABD2a-attB-F: 5'-(attB1)TTCACCATGAATCCTGAGTACGACTAT-3' RABD2a-attB-R: 5'-(attB2)TCAAGTTGAGCAGCAGCCGTT-3'	pAS2.1
RAB-E1a wt	Total cDNA <i>Arabidopsis</i> leaf	RAB8-attB-F: 5'-(attB1)TAATGGCTGCTCCTCCTGCTAGA-3' RAB8-attB-R: 5'-(attB2)TTATGTGCCGCAACATGCTGA-3'	pAS2.1
RAB-E1b wt	Total cDNA <i>Arabidopsis</i> leaf	Ara3/Put3-attB-F: 5'-(attB1)TAATGGCTGCTCCACCTGCTAGA-3' Ara3-attB-R: 5'-(attB2)TTAACTCCACAGCATGCAGA-3'	pAS2.1
RAB-E1c wt	Total cDNA <i>Arabidopsis</i> leaf	Ara3/Put3-attB-F: 5'-(attB1)TAATGGCTGCTCCACCTGCTAGA-3' Put3-attB-R: 5'-(attB2)TTAAGTTCCACAGCATGCAGA-3'	pAS2.1
RAB-E1d wt	pSK-RABE1d (Zheng et al., 2003)	Put2-attB-F: 5'-(attB1)TAATGGCGGTTGCGCCGGCAAGA-3' Put2-attB-R: 5'-(attB2)CTAAACGTAACCTACAGCAAGC-3'	pAS2.1, pACT2
RAB-E1d ΔCC	pGEM T-Easy- RABE1dΔCC (Zheng et al., 2005)	Put2-attB-F: 5'-(attB1)TAATGGCGGTTGCGCCGGCAAGA-3' UE11_noCC_GW-R: 5'-(attB2)CTAAACGTAACCTAGCTGACTTCTC-3'	pAS2.1
RAB-E1d QL	pGEM T-Easy - RABE1dQL (Zheng et al., 2005)	Put2-attB-F: 5'-(attB1)TAATGGCGGTTGCGCCGGCAAGA-3' Put2-attB-R: 5'-(attB2)CTAAACGTAACCTACAGCAAGC-3'	pAS2.1, pGEX-4T-1-GW
RAB-E1d SN	pSK-RABE1dSN (Zheng et al., 2005)	Put2-attB-F: 5'-(attB1)TAATGGCGGTTGCGCCGGCAAGA-3' Put2-attB-R: 5'-(attB2)CTAAACGTAACCTACAGCAAGC-3'	pAS2.1, pGEX-4T-1-GW
RAB-E1d NI	pSK-RABE1dNI (Zheng et al., 2003)	Put2-attB-F: 5'-(attB1)TAATGGCGGTTGCGCCGGCAAGA-3' Put2-attB-R: 5'-(attB2)CTAAACGTAACCTACAGCAAGC-3'	

RAB E1e wt	Total cDNA <i>Arabidopsis</i> leaf	Put1-attB-F: 5'-(attB1)TAATGGCGGTTGCGCCGGCAAGA-3' Put1-attB-R: 5'-(attB2)CTAAACATAACTGCAGCAAGC-3'	pAS2.1
PI4Kb1	Clone U21445 (ABRC DNA stock center)	PI4Kb1-GW-F: 5'-(attB1)TTCACCATGCCGATGGGACGCTTTCTA-3' PI4Kb1-GW-R: 5'-(attB2)TCACAAATATCCATTTAAGAC-3'	pACT2
PIP5K2 wt	Total cDNA <i>Arabidopsis</i> leaf	PIP5K-GW-F: 5'- (attB1)TGGGCCCTCACCATGCGTGAACCGCTTGTTAGC-3' PIP5K-GW-R: 5'-(attB2)TTA GCC GTC TTC GAT GAA GAT-3'	pAS2.1, pACT2, pB7WGF2, pGEX-4T-1-GW
PIP5K2 MORN	pENTR207- PIP5K2	PIP5K-GW-F: 5'- (attB1)TGGGCCCTCACCATGCGTGAACCGCTTGTTAGC-3' Y2H40-3-GW-R: 5'- (attB2)TTAGGTGGTGTGGTCTTAGAACCCCTCCGGTG-3'	pACT2, pB7WGF2, pGEX-4T-1-GW
PIP5K2 ΔMORN	pENTR207- ΔPIP5K2	PIP5K-GW-F: 5'- (attB1)TGGGCCCTCACCATGCGTGAACCGCTTGTTAGC-3' PIP5K-GW-R: 5'-(attB2)TTA GCC GTC TTC GAT GAA GAT-3'	pACT2, pB7WGF2, pGEX-4T-1-GW
GUS	(Gateway BP reaction positive control, Invitrogen, Paisley, UK)	-	pAS2.1, pACT2

Note: (attB1) sequence: 5'-GGGGACAAGTTTGTACAAAAAAGCAGGC-3' and (attB2) sequence: 5'-GGGGACCACTTTGTACAAGAAAGCTGGGT-3' (Gateway, Invitrogen, Paisley, UK)

*Gift of U. Neumann and C. Hawes, Oxford Brookes University.