

Table S1 Plasmids and Primers Used in This Study

PLASMID	DESCRIPTION OF PLASMID INSERT	PRIMERS USED TO GENERATE PLASMID	DONOR VECTOR USED
pAA11	attL4::wee-1.3 short promoter::attR1	oAKA2 and oAKA3	pDONR(P4-P1r)
pAA13	attR2::wee-1.3 3'UTR::attL3	oAKA6 and oAKA9	pDONR(P2r-P3)
pAA15	attR2::wee-1.3 gene + wee-1.3 3'UTR::attL3	oAKA5 and oAKA9	pDONR(P2r-P3)
pAA32	attL4::wee-1.3 short promoter + wee-1.3 gene::attR1	oAKA51 and oAKA52	pDONR(P4-P1r)
pCR110	attL1-GFP with introns (no stop)-attL2		
pCR347	attL1-mCherry (no stop)-attL2		
pCR319	attR4 - attR3; <i>C.elegans unc-119(+)</i>		
pNU162	<i>fib-1</i> prom::FIB-1::eGFP:: <i>fib-1</i> 3' UTR + <i>unc-119(+)</i>		
pDONR P4 P1R	attP4 – attP1R		
pDONR P2R P3	attP2R – attP3		

PRIMER	PRIMER SEQUENCE (5' → 3')	AMPLIFIES
oAKA2	GGGGACAACCTTTGTATAGAAAAGTTGGCcaacatcagaaattcaag	attB4- <i>wee-1.3</i> promoter (forward)
oAKA3	GGGGACTGCTTTTTTTGTACAAACTTTGGcattttcactgaaaatg	attB1- <i>wee-1.3</i> promoter (reverse)
oAKA5	ggggacagctttctgtacaaagtggTTATGGACGACACAGAGGGTAACCTC	attB2- <i>wee-1.3</i> gene (forward)
oAKA6	ggggacagctttctgtacaaagtggGATAAataatgcacaaaaatcagaaa	attB2- <i>wee-1.3</i> 3'UTR (forward)
oAKA9	ggggacaactttgtataataaagtggCgtcctacctccagactactacaagaacagg	attB3- <i>wee-1.3</i> 3'UTR (reverse)
oAKA51	GGGGACAACCTTTGTATAGAAAAGTTGGCacccaaccattgcaaatatgtg	attB4- <i>wee-1.3</i> promoter (forward)
oAKA52	GGGGACTGCTTTTTTTGTACAAACTTTGCaacctcgtcgcctgatgatcc	attB1- <i>wee-1.3</i> gene (reverse)
B4F2	ggggacaactttgtatagaaaaagtggcACGTGGATGAATGAGAGCAGC	attB4- <i>cbd-1</i> promoter (forward)
B1R3	ggggactgctttttgtacaaacttggATATCCCGATTTATCATCATTGTACG	attB1- <i>cbd-1</i> gene (reverse)
B2rF2	ggggacagctttctgtacaaagtggccTGATAAGTTGTTCTAAACACCCCC	attB2- <i>cbd-1</i> 3'UTR (forward)
B3R1	ggggacaactttgtataataaagtggGCGTCCCTTTTACATTTACAG	attB3- <i>cbd-1</i> 3'UTR (reverse)
oAKA70	ggtggttctccgaaagaa	<i>act-1</i> (forward)
oAKA71	gctatgtccagccatccttct	<i>act-1</i> (reverse)
oAKA88	gaataatgtgatcgacgaggctcc	<i>wee-1.3</i> (forward)
oAKA89	tcttctacgtggcgattccgattg	<i>wee-1.3</i> (reverse)
oAKA80	tctcaccatcgttctctcactg	<i>vet-1</i> (forward)
oAKA81	tcggtgggagtgaagaatgg	<i>vet-1</i> (reverse)
oAKA84	gtgctaactttccatccgttg	<i>vet-4</i> (forward)
oAKA85	caaccagtttctctggaagtc	<i>vet-4</i> (reverse)
oAKA76	ggaagaatgtcaagcggcac	<i>vet-6</i> (forward)
oAKA77	tccgtctctgatggcttctctc	<i>vet-6</i> (reverse)