Table S1 Summary of primers used in this study

Experiments	Primer name	Sequences（5′-3′）
qRT-PCR	ClActin-F	CTCCATCATGAAGTGCGATG
	ClActin-R	TTGGGGCTAGGGCAGAAATT
	ClSWEET3a-F	TCGGATTGGGAGCCTCTATA
	ClSWEET3a-R	AAACTAGGAGCCGCGATAAA
Full-length clone	ClSWEET3a-F	ATGGGAGATAGACTGCGCC
	ClSWEET3a-R	TCAACTCTTGCCATTAATATCAGTG
Subcellular localization analysis	pC18- ClSWEET3a-F	GTCGACGGTATCGATAAGCTTATGGGAGATAGACTGCGCC
	pC18- ClSWEET3a-R	TTTACTCATACTAGTGGATCCACTCTTGCCATTAATATCAGTG
	pC18-cexu-F	GACCCTTCCTCTATATAAGGAAGTTC
	pC18-cexu-R	GGGTAAGTTTTCCGTATGTTGCAT
Yeast functional complementation experiment	pDR195-ClSWEET3a-F	ATATACCCCAGCCTCGAGATGGGAGATAGACTGCGCC
	pDR195-ClSWEET3a-R	AAGTCCAAAGCTGGATCCTCAACTCTTGCCATTAATATCAGTG
	pDR195-cexu-F	CTATAACACCAATAGTGAAAATC
	pDR195-cexu-R	TCATAAATCATAAGAAATTCGC
Validation of wampee virus-induced gene silencing	pTRV2-ClSWEET3a-F	TTCTCTAGAAGGCCTCCATGGGGATCCGCCTCTATAACTATGTATAGTTCGCC
	pTRV2- ClSWEET3a-R	GTTTAATGTCTTCGGGACATGCCCGGGCTTGCCATTAATATCAGTGTTTATTG
	pTRV2-cexu-F	ATTAGCGACATCTAAATAGG
	pTRV2-cexu-R	GGGCGTAATAACGCTTACGTAG
	pTRV1-cexu-F	ACACACCAAATGGTCCAGAACTATG
	pTRV1-cexu-R	CCATGATCTCCTCATCGTCTACC
Dual luciferase reporter assay	p0800-ClSWEET3a-pro-F	TATAGGGCGAATTGGGTACCTGACAGCCCACATTGCTAGTG
	p0800-ClSWEET3a-pro-R	GCTCTAGAACTAGTGGATCCAGATGCTAAGTTGAAGAAAAGG
	p62SK-ClERF016-F	GGCCGCTCTAGAACTAGTGGATCCATGGTGAGGCCGAGTGG
	p62SK-ClERF016-R	ATCGATAAGCTTGATATCGAATTCTCAAAAGGTCCACAGACCAG
	p62SK-ClERF062-F	GGCCGCTCTAGAACTAGTGGATCCATGGAAAACTTCATGCACAAG
	p62SK-ClERF062-R	ATCGATAAGCTTGATATCGAATTCTCATGACTCGGGGACTAAAAG
	p62SK-ClERF104-F	GGCCGCTCTAGAACTAGTGGATCCATGGCATCTCTAGATGAAGCATC
	p62SK-ClERF104-R	ATCGATAAGCTTGATATCGAATTCTTAGCAAACACGTAGCGGG
	p62SK-ClbZIP3-F	GGCCGCTCTAGAACTAGTGGATCCATGGGTTCTCAAAGTAATGGC
	p62SK-ClbZIP3-R	ATCGATAAGCTTGATATCGAATTCTCAGAAAGAGGCTGAACTCATT
	p62SK-ClbZIP4-F	GGCCGCTCTAGAACTAGTGGATCCATGGCGTCCTCTAAAATCATG
	p62SK-ClbZIP4-R	ATCGATAAGCTTGATATCGAATTCCTACCACTCCATGGATCGAAC
	p62SK-ClC3H11-F	GGCCGCTCTAGAACTAGTGGATCCATGCCGCCGAAGCAGC
	p62SK-ClC3H11-R	ATCGATAAGCTTGATATCGAATTCTTAAATTTGGATTGATGTCTTTGCT
	p62SK-ClC3H14-F	GGCCGCTCTAGAACTAGTGGATCCATGGATACACGAAAGAGAACGAA
	p62SK-ClC3H14-R	ATCGATAAGCTTGATATCGAATTCTTAAATTGCCGTCTTCCGC
	p62SK-ClRVE5-F	GGCCGCTCTAGAACTAGTGGATCCATGGTGTCCGTGAACCCG
	p62SK-ClRVE5-R	ATCGATAAGCTTGATATCGAATTCTTATCTGATGGAATGGCACT
	p62SK-ClRAP2-1-F	GGCCGCTCTAGAACTAGTGGATCCATGGAAGGAGGTGAGTGCTG
	p62SK-ClRAP2-1-R	ATCGATAAGCTTGATATCGAATTCTCAATCTTCATCAGAACTCTCTG
	p62SK-ClGT-3A-F	GGCCGCTCTAGAACTAGTGGATCCATGGAGGGACATCATCTGC
	p62SK-ClGT-3A-R	ATCGATAAGCTTGATATCGAATTCCTACATGTCTTCTCTTCTAAGCTTG
	p62SK-ClWRKY75-F	GGCCGCTCTAGAACTAGTGGATCCATGGTAGTGGTAGAGCAGTCCC
	p62SK-ClWRKY75-R	ATCGATAAGCTTGATATCGAATTCTTACGAAGTAGTACATGCTTTGAGC
	p62SK-ClGATA1-F	GGCCGCTCTAGAACTAGTGGATCCATGGAGTCCCTGGACTTGC
	p62SK-ClGATA1-R	AATCGATAAGCTTGATATCGAATTCCTCCCTTTATCTACAGGCTTGAC
	p0800- cexu-F	TATTACGCCAGCTGGCGAAAG
	p0800- cexu-R	TCTCCAGCGGTTCCATCTTCC
	p62SK- cexu-F	GGAGAGGACAGCCCAAGCTG
	p62SK- cexu-R	TCCCTTATCGGGAAACTACTCA
Yeast one-hybrid assay	pAbAi-ClSWEET3a-pro-1-F	AAGCTTGAATTCGAGCTCGAGATGGCCAATGGGGC
	pAbAi-ClSWEET3a-pro-1-R	CAGAGCACATGCCTCGAGGAACTTACATAGAGTCATAGAACATAGTCC
	pAbAi-ClSWEET3a-pro-2-F	AAGCTTGAATTCGAGCTCTACCATAGGGTCTACCCTAGTAGTT
	pAbAi-ClSWEET3a-pro-2-R	CAGAGCACATGCCTCGAGGCATGAATTGGAGGGCC
	pAbAi-ClSWEET3a-pro-3-F	AAGCTTGAATTCGAGCTCCCTCCAATTCATGCAATGG
	pAbAi-ClSWEET3a-pro-3-R	CAGAGCACATGCCTCGAGAGATGGTCCTAAGTTGAAGAAAAG
	pGADT7-ClERF062-F	GGAGGCCAGTGAATTCATGGAAAACTTCATGCACAAGG
	pGADT7-ClERF062-R	CGAGCTCGATGGATCCTCATGACTCGGGGACTAAAAGAG
	pGADT7-ClbZIP3-F	GGAGGCCAGTGAATTCATGGGTTCTCAAAGTAATGGC
	pGADT7-ClbZIP3-R	CGAGCTCGATGGATCCTCAGAAAGAGGCTGAACTCATT
	pAbAi-F	TTCAAGGAAACCGAAATCA
	pAbAi-R	TATGCTACAAAGGACCTAAT
	pGADT7-F	TAATACGACTCACTATAGGG
	pGADT7-R	GAGATGGTGCACGATGCACAGT